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Building and Engineering News

IN THIS ISSUE

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Review of NRA Highway Work in Western States

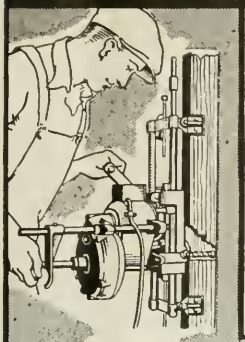
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

Vol. XVII—No. 1

JANUARY 6, 1934

WAPPAT Electric TOOLS



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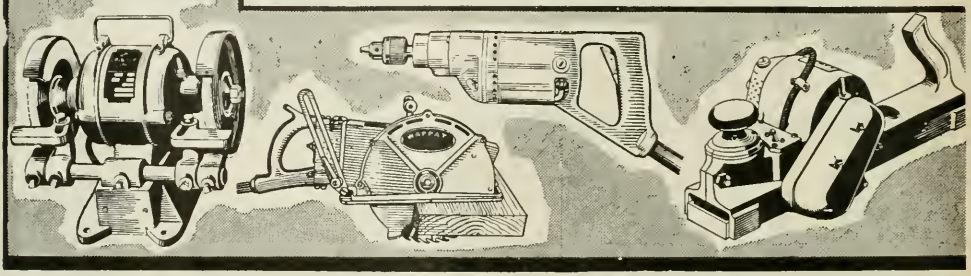

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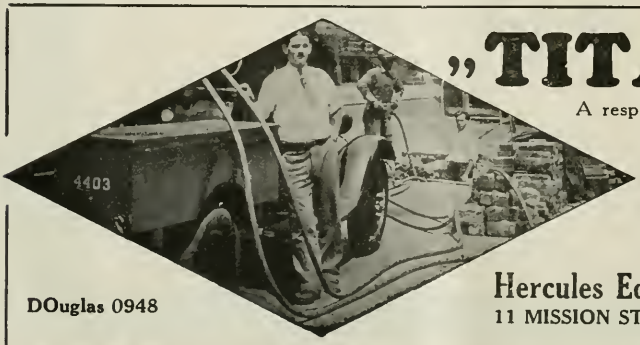

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Vol. XVII SAN FRANCISCO, CALIF., JANUARY 6, 1934 No. 1

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BIDS OPENED ON $979,515 STATE HIGHWAY WORK

Nine Construction Contracts Include Eastbay Approach Spans to Bridge

Low bids on nine construction contracts opened yesterday by the California Highway Commission in San Francisco and Sacramento totaled $979,515, including a contract for a 1072-ft. Eastbay approach section of the San Francisco-Oakland bay bridge.

The bridge contract bids were received at the San Francisco offices of the Department of Public Works. Clinton Construction Company at $253,665 submitted the low bid of five received.

Other openings were at Sacramento. Following are the low bidders on each job. **(Complete tabulation appears in the Advance Report section today):**

FRESNO COUNTY: 0.8 mile in Fresno, grade and pave with asphalt concrete, Valley Paving and Const. Co., Fresno, $52,934.

HUMBOLDT CO:. Bridge across Eel river at Smith Point, Nevis & Harp, Santa Clara, $102,658.

LOS ANGELES CO.: 1.8 mi. in Long Beach, grade and pave with asphalt concrete, Griffith Co., Los Angeles, $117,688.

LOS ANGELES CO.: Concrete bridge on Sunset Blvd., H. M. Baruch Corp., $130,438.

LOS ANGELES CO.: Concrete bridge across Ramona Blvd., David J. Reed and Joseph Maiser, Los Angeles, $23,458.

MENDOCINO CO.: 1.4 mi. between McDonald and Yorkville, grade and surface with gravel, Coats Const. Co., Sacramento, $45-474.

SANTA BARBARA CO.: 2.1 mi. between the Santa Ynez River and Santa Ynez, grade and surface with oil treated gravel, Macco Construction Co., Clearwater, $41,686.

SANTA BARBARA CO.: 3.2 mi. in Santa Barbara, grade and pave with asphalt concrete on a portland cement concrete base, J. E. Haddock, Pasadena. $211,514.

PWA Approves $14,720,000 Loans For S. F. Water and Sewer Systems

Financing for extensions to the San Francisco water and sewer systems to cost $14,720,000 was approved by Public Works Administrator Harold Ickes, according to news dispatches received last night from Washington. The two projects receiving the Federal approval are part of those fo which bonds were voted November 7.

The city was unable to obtain an acceptable bid for the bonds from banks and appealed to the government for a loan on the securities. The Public Works Administration already had grantel 30 percent of the cost of labor and materials prior to the bond election.

Following are the projects for which money now is available:

1. A new bay crossing pipeline near Dumharton bridge to increase the pipeline capacity of the municipal water department to 90,000,000 gallons daily. The new line will cost $4,702,000.
2. The Crystal Springs - University Mound pipeline, $2,556,000.
3. University Mound reservoir addition and a new Sunset District reservoir, $2,470,000.
4. Extensions of the main pipeline system of the city, replacing wornout mains and making general improvements, to cost $2,367,000.

The sewer funds, $2,625,000, include these divisions:

Reconstruction of existing sewers, $972,000; sewage treatment and disposal, $1,170,000, and new construction, $356,000.

Plants to be erected for treatment and disposal of sewage will eliminate unsanitary conditions at Baker's Beach and the Marina. Reconstruction will include 5th, Brannan, 6th, 16th and 18th St. sewers.

CWA SURVEY OF REAL PROPERTY TO AID BUILDING

Recovery in the building industry will be hastened by the completion of the national real property inventory which is authorized as a Civil Works project, according to officials of the Bureau of Foreign & Domestic Commerce which will conduct the survey with the aid of the Census Bureau.

The inventory will include studies in the cities of Sacramento and San Diego to be directed from the San Francisco office of the commerce bureau. A representative of the Census Bureau is expected here immediately to direct this portion of the work.

Other western cities selected for study are Phoenix, Boise, Reno, Butte, Albuquerque, Santa Fe, Portland, Salt Lake City and Seattle.

Data from the survey will be made available as soon as possible to public and private interests. The information compiled will relate to the location and character of structures in typical communities, dealing with occupancy, vacancy, family unit, extent of double-up type of building, material of construction, condition of structure, epoch, services such as elevators, heating apparatus, fuel used, water supply, refrigeration, sanitary facilities, transportation, number of auxiliary buildings on premises, rentals, value and ownership.

Architects are expected to find the data particularly valuable in stimulating proposals for rectification of blighted areas and replacement of obsolete structures.

Cities will be encouraged to aid in the utilization of local studies, formation of planning, housing and slum clearance bureaus, with direct benefit in employment of architects, engineers and contractors.

Washington and Cleveland advisers and enumerators are busily engaged in actual field work in their cities, the early results of which are being used to clarify schedules and instructions for the more extensive of field work.

STATUS OF NRA HIGHWAY WORK

State	Work Advertised for Contract (Including Force Account Work)				Work Awarded (Including Force Account Work)			
	No. of Projects	PWA Funds (Sec. 204)	% of Allotment	Est. Total Cost	No. of Projects	PWA Funds (Sec. 204)	% of Allotment	Est. Total Cost
Arizona	29	$3,334,000	64.0	$3,813,000	26	$2,885,000	55.4	$3,197,000
California	99	8,963,000	57.4	11,503,000	73	7,379,000	47.3	8,929,000
Colorado	73	3,530,000	51.3	3,530,000	64	3,283,000	47.8	3,283,000
Hawaii	11	1,512,000	80.8	1,825,000	11	1,326,000	70.9	1,569,000
Idaho	68	2,948,000	65.7	2,998,000	64	2,739,000	61.1	2,790,000
Montana	78	4,700,000	63.2	4,880,000	58	4,398,000	59.1	4,578,000
Nevada	21	2,232,000	49.1	2,252,000	21	2,232,000	49.1	2,252,000
New Mexico	79	4,134,000	71.4	4,134,000	69	3,887,000	67.1	3,887,000
Oregon	92	4,025,000	65.9	4,147,000	79	3,858,000	63.2	3,976,000
Utah	83	3,191,000	76.1	3,193,000	76	3,121,000	74.4	3,122,000
Washington	76	3,816,000	62.4	3,834,000	63	3,019,000	49.4	3,032,000
Wyoming	88	3,112,000	69.1	3,298,000	83	2,657,000	59.0	2,812,000

Work Under Construction

State	(By Force Account)				(By Contract)			
	No. of Projects	PWA Funds (Sec. 204)	Est. T'tl Cost	No. Men Employed	No. of Projects	PWA Funds (Sec. 204)	Est. T'tl Cost	No. Men Emply'd
Arizona	2	$ 41,000	41,000	96	24	$2,693,000	$2,693,000	965
California	3	107,000	119,000	104	59	6,314,000	7,650,000	2,394
Colorado	19	649,000	649,000	989	24	1,859,000	1,859,000	1,880
Hawaii	....	.....	.....	.....	6	648,000	869,000	276
Idaho	21	572,000	574,000	1192	33	1,884,000	1,927,000	1,336
Montana	1	70,000	70,000	65	46	3,389,000	3,569,000	2,471
Nevada	3	70,000	90,000	42	14	1,872,000	1,872,000	1,016
New Mexico	19	901,000	901,000	364	26	2,260,000	2,260,000	1,316
Oregon	....	.....	.....	.....	38	2,658,000	2,690,000	1,228
Utah	28	860,000	860,000	526	22	895,000	896,000	758
Washington	....	.....	.....	.....	50	2,389,000	2,402,000	1,375
Wyoming	5	295,000	295,000	243	44	1,574,000	1,643,000	1,174

The above tabulations are prepared by the U. S. Bureau of Public Roads as of December 16.

NRA HIGHWAY CONTRACTS NOW EMPLOY 130,556

Bureau of Roads Reports Contract Total at $134,451,000 Under Construction

Public works highways under construction by the states on Dec. 16 were employing directly 130,566 men under the Federal Public Works appropriation provided for in Section 204 of the National Industrial Recovery Act according to a tabulation of work in progress issued by the Bureau of Public Roads, U. S. Department of Agriculture.

This force of men was divided between contract and day labor projects as follows: 102,636 men on 2,053 projects let by contract and 27,930 men on 582 projects on which the labor is employed directly by the highway authorities.

The estimated cost of work under construction on December 16 was $148,555,000, of which $134,451,000 was by contract and $14,104,000 was by day labor employed directly by the highway authorities.

Awards of 3,932 projects at an estimated total cost amounting to $203,224,000 have been made out of a total of 4,870 projects advertised for contract involving an estimated expenditure of $242,632,000.

On December 16, the work advertised for contract or started by day labor employed by the highway authorities 56.8 percent of the $400,000,000 provided for highways under Section 204 of the National Industrial Recovery Act.

There were 365 projects, involving a total expenditure of $9,552,000 reported by the Bureau of Public Roads as completed on December 16. Of these, 68 were completed during the week ending December 16.

MAY VOTE AGAIN ON ALAMEDA BONDS

Possibility that the proposed bond issue for the Alameda county courthouse, defeated by a small margin at the election December 19, will again be submitted to the voters early next year is admitted by the county board of supervisors. The board has asked for an eight weeks' extension of time in which to accept the PWA grant of $462,000.

Supervisors expressed the opinion that a new election might result favorably for the bond issue of $1,712,000. Opposition to a group of other bond issues on the December ballot is held an influence in defeating the original proposal.

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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
551	Patterson	Owner	3000
552	Hazel	Owner	4000
553	Fong	Sommarstrom	2475
554	Abrahamson	Kulchar	1000
555	Chevrolet	Owner	6300
556	Jonas	Brown	1000
1	Patterson	Owner	3000
2	Corder	Lyons	4000
3	California	Wiggins	2000

DWELLING
(551) 3077 MOUNTAIN BLVD., **OAKLAND;** 1½-story 3-room dwelling.
Owner and Builder—Miss F. Patterson, 3077 Mountain Blvd., Oakland.
Architect—Not Given. $3000

ADDITION
(552) S G ST. bet. 89th and 92nd Aves., **OAKLAND;** steel addition.
Owner and Builder—Hazel Atlas Glass Co., foot of 89th Ave., Oakland.
Architect—Not Given. $4000

ADDITION
(553) 2781 TELEGRAPH AVENUE, **OAKLAND;** one-story brick & tile addition.
Owner—Richard & Edward Fong, 576 10th St., Oakland.
Architect—Not Given.
Contractor — Edw. Sommarstrom, 138 E 12th St., Oakland. $2475

ALTERATIONS
(554) SE COR. 13th and Washington Sts., **OAKLAND;** alterations.
Owner—Abrahamson Brothers.
Architect—Not Given.
Contractor—S. Kulchar Co., 731 East 10th St., Oakland. $1000

ALTERATIONS
(555) 6901 FOOTHILL BLVD., **OAKLAND;** alteration and addition to service shed.
Owner and Builder—Chevrolet Motor Co., 6901 Foothill Blvd., Oakland.
Architect—Not Given. $6300

ALTERATIONS
(556) 1233 BROADWAY, **OAKLAND;** alterations.
Owner—Irving Jones, Bank of America Building.
Architect—Not Given.
Contractor—Henry Brown, 1387 East 32nd St., Oakland. $1000

DWELLING
(1) NO. 3077 MOUNTAIN BLVD., **OAKLAND.** Two-story three-room dwelling.
Owner—Miss F. Petterson, Premises.
Architect—Not Given. $3000

ALTERATIONS
(2) NO. 2310 SHATTUCK AVE., **BERKELEY.** Alterations.
Owner—T. W. Corder, Inc., 67th and Bay St., Emeryville.
Architect—Not Given.
Contractor—W. E. Lyons, 2009 Pacific Ave., Alameda. $4000

STATION
(3) NO. 2800 TELEGRAPH AVE., **OAKLAND.** One-story concrete and brick service station.
Owner—California Bank & Trust Co., San Francisco.
Architect—Not Given.
Contractor—Wiggins & Swanson, 3906 Laguna Ave., Oakland. $2000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
906	Sternsher	Mooney	1200
907	Boothby	Owner	1500
1	Aiello	Petersen	1000
2	Rothschild	Owner	3000
3	Holdom	Papenhausen	1400
4	Iso	Owner	3600
5	Newland	Taylor	2000
6	Tarantino	Sartorio	8000
7	Gauci	De Lucchi	6500

REPAIRS
(906) NO. 883 THIRTY-FIFTH AVE. Repair fire damage to dwelling.
Owner—Mrs. M. Sternsher, 883 35th Ave., San Francisco.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher St., San Francisco. $1200

BUILDING
(907) E VAN NESS AVE SOUTH, from Mission to Twelfth Sts. One-story and basement frame building
Owner—Boothby-Spillman Tabernacle
Architect—A. R. Williams, 785 Market St., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco. $1500
ALTERATIONS
(1) NO. 960 MOSCOW ST. Alter dwelling.
Owner—S. Aiello, 960 Moscow St., San Francisco.
Architect—Not Given.
Contractor — H. W. Petersen, 912 Geneva Ave., S. F. $1000

STORE
(2) N CHESTNUT ST. 46 E Mallorca One-story frame store.
Owner — Rothschild Bros., 41 Sutter St., San Francisco.
Architect—Appleton & Hyman, Foxcroft Bldg., San Francisco. $3000

ADDITION
(3) NO. 127 SAN PABLO AVE. Add to dwelling.
Owner—Courtland Holdom, Premises.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—H. Papenhausen, 595 Victoria St., S. F. $1400

REPAIRS
(4) NO. 1182 DE HARO ST. Repair fire damage to stores and flats.
Owner—Mrs. Iso, Premises.
Architect—Not Given. $3600

REPAIRS
(5) NO. 74 NEW MONTGOMERY ST. Repair fire damage to news publishing building and offices.
Agent — J. C. Newland, 420 Sharon Bldg., San Francisco.
Architect—Not Given.
Contractor—Taylor & Goericke, 220 Sharon Bldg., S. F. $2000

FLATS
(6) N NORTH POINT ST. 125 E Webster. Two-story frame and stucco (2) flats.
Owner—Leo Tarantino, 1690 Bay St., San Francisco.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market St., San Francisco. $8000

RESIDENCE
(7) W OAKDALE ST. 125 E Newhall. Two-story and basement frame and stucco residence.
Owner—Spiro and Anna Gauci, % Contractor.
Architect—Not Given.
Contractor—De Lucchi & Sons, 3275 San Bruno Ave., $6500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
193	Southern Pacific	Eaton	—
194	Sinton	Jensen	26460
1	Schosser	Peterson	16955
2	Same	Western	10530

PAVING WHARF
(193) S. P. GOLDEN GATE FERries at foot of Hyde St. All work for paving wharf.
Owner—Southern Pacific-Golden Gate Ferries, Ltd.
Architect—Not Given.
Contractor—Clarence B. Eaton and James M. Smith (as Eaton & Smith), 715 Ocean Ave., S. F.
Filed Dec. 21, '33. Dated Dec. 8, '33
Close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST—$0.049 per sq. ft. of paving done purspant to the terms of this agreement (approx. 27,000 square feet).
Bond, $1323. Surety, Massachusetts Bonding & Insurance Co. Limit, 5 days. Forfeit, none. Plans and specifications filed.

DWELLING
(194) E DIVISADERO ST. 50 N Pacific Ave. All work for two-story, basement and attic frame and stucco dwelling.
Owner—Stanley Sinton Jr, Care Contractor.
Architect — Angus McSweeney, 277 Pine St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco.
Filed Dec. 21, '33. Dated Dec. 11, '33.
On or before 15 of each month.. 75%
Usual 35 days..... 25%
TOTAL COST, $26,460
Bond, $26,460. Surety, Coast Surety Corp: Limit, on or before June 1, '34. Forfeit, none. Plans and specifications filed.

BUILDING
(1) N SIXTEENTH 60 W Mission W 57 N 110 E 25 N 50 E 32 S 160 MB 35. Excavations, etc., for two-story and basement and part mezzanine Class A building with subsidewalk area.
Owner—Wm. F. Schosser.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Filed Jan. 2, '34. Dated Dec. 23, '33.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $16,955
Bond, $8477.50. Sureties, D. J. Sullivan and E. H. Peterson. Limit, forfeit, none. Plans and specifications filed.

(2) STRUCTURAL STEEL WORK, etc., on above.
Contractor — Western Iron Works, Corp., 141 Beale St., San Francisco
Filed Jan. 2, '34. Dated Dec. 22, '33.
90% of value of steel work erected during the month to be due and payable on or before the 10th day of the following month.
An amount to equal with previous payments, 90% of the total contract to be due and payable on completion.
Usual 35 days..... 10%
TOTAL COST, $10,530
Bond, $8477.50. Sureties, D. J. Sullivan and E. H. Peterson. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

BARSTOW, San Bernardino Co., Cal.—Barstow Union High School District will apply to the Federal Government for aid in constructing a new high school plant in Barstow. A school to accommodate 350 students and to cost approximately $100,000 is proposed.

Contract Awarded.
ALTERATIONS, ETC. Cost, $——
BERKELEY, Alameda Co., Cal. No. 2218 Durant Street.
Alterations and additions to apartments.
Owner—Mrs. E. F. Kraft, Premises.
Architect—Not Given.
Contractor—George F. King, 1541 Virginia St., Berkeley.

3— CHURCHES

Planned.
IMPROVE CHURCH Cost, $——
VALLEJO, Solano Co., Cal. Florida and Sacramento Streets.
Additions to church.
Owner—St. Vincent's Church.
Architect—Not Given.

4— FACTORIES & WAREHOUSES

LONG BEACH, Cal.—Schinner-Hofmann Brewing Co., care of H. W. Funke, 620 Jergins Trust Bldg., Long Beach, contemplates erecting a brewery on Long Beach Blvd., north of the city of Long Beach. The company proposes investing about $150,000 in the building and equipment. The project has not yet reached the plan stage.

Contract Awarded.
REMODEL LAUNDRY Cost, $1500
ALAMEDA, Alameda Co., Cal. No. 2335 Lincoln Avenue.
Alterations to two-story frame laundry (work involves stucco work, tile roofing, etc.)
Owner—Alameda Steam Laundry Association.
Architect—Not Given.
Contractor—Walter H. Anderson, 1011 Doris Court, Oakland.

Plastering Contract Awarded.
MILK PLANT Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. 400 Block East-Empire Street.
One-story brick mill processing plant bottling room, cooling room, bottle washing room, etc.)
Owner—Golden State Co., Ltd., 400 N. First St., San Jose.
Designer—Engineering Dept. of Owner
Mgr. of Const.—E. Perkins, % Owner.
Plastering—W. G. Newman, 1423 Glen Una Way, San Jose.
Other awards previously reported.

Contract Awarded.
ADDITION Cost, $7000
OAKLAND, Alameda Co., Cal. No. 6901 Foothill Blvd.
Alterations and addition to service shed.
Owner—Chevrolet Motor Co., Premises
Plans by Owner.
Contractor—J. Catucci, 1212 18th St., Oakland.

Electrical Contract Awarded.
MALT HOUSE Cost, $——
SAN FRANCISCO. Twelfth and Bryant Streets.
Construst malt house.
Owner—Rainier Brewing Co. Inc., 1550 Bryant Street.
Engineer—Leland Rosener, 233 Sansome Street.
Contractor—Lindgren and Swinerton, Inc., 225 Bush Street.
Electric—Alta Electric & Mechanical Co., 467 O'Farrell Street.
Other awards previously reported.

Planned.
BREWERY Cost, $250,000
SEATTLE, Wash. E Marginal Way; 2½-acre tract.
Construct new brewery (conc. const.)
Owner—Western Brewing Co. (A. F. Bernstein & Co., agents) Dexter-Horton Bldg., Seattle.
Architect—E. S. Rising, 5033 17th Ave. NE Seattle.

Planned.
BREWERY Cost, $——
PORTLAND, Oregon.
Construct new brewery.
Owner—Century Brewing Assn., Seattle (H. W. Wagner).
Architect—Not Given.

Electrical Contract Awarded.
MILK PLANT Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. 400 Block East of Empire Street.
One-story brick mill processing plant (bottling room, cooling room, bottle washing room, etc.)
Owner—Golden State Co., Ltd., 400 N First St., San Jose.
Designer—Engineering Dept. of Owner
Mgr. of Const.—E. Perkins, % Owner.
Electric—Russell Electric Co., Montgomery Hotel, San Jose.
Plastering bids still being taken.

To Be Done By Day's Work.
ADDITION Cost, $5000
OAKLAND, Alameda Co., Cal. S G Street, bet. 89th and 92nd Aves.
One-story steel addition to factory.
Owner—Hazel Atlas Glass Co., Foot of 89th Ave., Oakland.
Architect—Not Given.

To Be Done By Day's Work.
ADDITION Cost, $7000
OAKLAND, Alameda Co., Cal. No. 6901 Foothill Blvd.
Alterations and addition to service shed.
Owner—Chevrolet Motor Co., Premises
Plans by Owner.

Plans Being Prepared.
MACHINE SHOP Cost, $7000
MODESTO, Stanislaus Co., Cal. 8th and L Streets.
One-story reinforced concrete and tile machine shop (42x90 ft.)
Owner—City of Modesto.
Engineer—Frank J. Rossi, City Engineer, Modesto.

Additional Sub-Contracts Awarded.
BREWERY Cost, $750,000
SAN FRANCISCO. (Paul Tract) Bayshore Ave. and Third St.
Group of buildings for brewery, steel and concrete construction.
Owner—General Brewing Corp (C. W. Ahrens, Director).
Architect—Fred H. Meyer, 525 Market Street.
Engineer—C. H. Snyder, 251 Kearny Street.
Contractor—Cahill Bros., 206 Sansome Street.
Bucket Elevator and Screw Conveyor—Union Machine Co., 934 Brannan Street.
Other awards reported Dec. 9.

Planned....
WINERY AND CANNERY $250,000
STOCKTON, San Joaquin Co., Cal. Waterfront.
Construct winery and cannery.
Owner—Riverbank Co. (Lorenzo Zerillo, President), Riverbank.
Architect—Not Given.
Further details will be announced shortly.

Contract Awarded.
ADDITION Cost, $100,000
TACOMA, Washington, No. 105 East Twenty-sixth Street.
Five-story concrete addition to brewery (60x70 feet); pipe lines, cork iisulation, 100-ton ammonia compressor, etc.
Owner—Northwest Brewing Co. (Peter Marinoff, President), Tacoma.
Architect—Not Given.
Contractor—R. M. Grant, 414 South 1 St., Tacoma.

Structural Steel Bids Being Taken—To Close Jan. 6, 12 Noon.
STOCK HOUSE Cost, $75,000
OAKLAND, Alameda Co., Calif. 7th Street near Kirkham.
Three-story steel and concrete stock house (72x72) composition roof, concrete floors, cork insulation, tanks, etc.
Owner—Golden West Brewery Co., 7th and Kirkham Sts., Oakland.
Architect—A. R. Williams, Humboldt Bank Bldg., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, Call Bldg., San Francisco.
Refrigeration—York Ice Machinery Co. 234 9th St., San Francisco.
Following will submit structural steel bids:
Western Iron Works, 141 Beale St., San Francisco.
Schrader Iron Works, 1241 Harrison St., San Francisco.
Judson Pacific Co., 609 Mission St., San Francisco.
McClintic - Marshall Co., 20th and Illinois Sts., San Francisco.
Herrick Iron Works, 18th & Campbell Sts., Oakland.
Moore Drydock Co., foot of Adeline St., Oakland.

Contract Awarded.
ADDITION Cost, $32,000
EMERYVILLE, Alameda Co., Cal.
One-story steel, brick and concrete addition to factory.
Owner—Paraffine Co., Inc., Emeryville
Engineer — Leland Rosener, 233 Sansome St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract Awarded.
BUILDING Cont. Price, $17,500
SAN FRANCISCO. Tenth and Bryant Streets.
Two-story reinf. concrete keg washing building.
Owner—Milwaukee Brewery, 490 10th Street.
Engineer—W. E. Murray, 908 Hayes Street.
Contractor—Cahill Brothers, 206 Sansome Street.

5— FLATS

Contract Awarded.
FLATS Cost, $8000
SAN FRANCISCO. N North Point St. 125 E Webster St.
Two - story and basement frame and stucco flats (2 flats).
Owner—Leo Tarantino, 1690 Bay St.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market Street.

Sub-Contracts Awarded.
SERVICE STATION Cost, $6000
OAKLAND, Alameda Co., Cal. No. 3631 Piedmont Avenue.
One-story steel super service station (6 pumps; 2 grease racks, etc.)
Owner—Union Oil Co., 220 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor— Independent Iron Works, 821 Pine St., Oakland.
Electric—T. L. Rosenberg, 411 Webster St., Oakland.
Plumbing — Edward Hooson, 3976 Rhoda Ave., Oakland.
Pumps and tanks will be installed from supplies of the company.

Contract Awarded.
FLATS Cost, $8000
SAN FRANCISCO. N North Point St. 125 E Webster St.
Two-story and basement frame and stucco (2) flats.
Owner—Leo Tarantino, 1690 Bay St., San Francisco.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market St., San Francisco.

6—GARAGES & SERVICE STATIONS

Plans Being Prepared.
SERVICE STATION Cost, $7000
OAKLAND, Alameda Co., Calif. Harrison St. between 24th and 26th.
Two - unit steel service station (six pumps).
Owner—General Petroleum Corp., 1924 Broadway, Oakland.
Plans by Engr. Dept. of Owner.
Present building on site will be razed.

Contract Awarded.
SERVICE STATION Cost, $2000
OAKLAND, Alameda Co., Calif. 2800 Telegraph Avenue.
One-story concrete and brick service station.
Owner—California Bank & Trust Co.
Plans by Engr. Dept. of Owner.
Contractor—Wiggins & Swanson, 3906 Laguna Ave., Oakland.

7—FEDERAL BUILDING

FORT McARTHUR, Los Angeles Co., Cal.—Bannister-Field Co., 4101 Goodwin Ave., Los Angeles, reports sub-contracts for the construction of seven double sets of non-commissioned officers' quarters at Fort McArthur, for the War Department, awarded as follows: Steel sash and screens to the Soule Steel Co.; painting to Wm. Gelfan; finish floors to B. F. McCall Floor Co.; plumbing and heating to Donnelly Plumbing Co.; sheet metal to Main Cornice Works; marble and tile to Sunset Tile & Marble Co.; electrical work to R. R. Jones Electric Co. tile and composition roofing to Angelus Roof Co.; dampproofing and caulking to Ott Waterproofing Service; miscellaneous iron to Jackson Iron Works; window shades and rods to Pacific Shade & Linoleum Co.; glass and glazing to Townsend Glass Co.

ALCATRAZ ISLAND, San Francisco Bay—As previously reported Stewart Iron Works Co., Cincinnati, O., at $218,703 submitted low bid to the Bureau of Prisons for revamping jail at Alcatraz Island. Work involves new cell blocks, locking equipment, doors, etc. Following bids received:

Stewart Iron Works Co.		$218,703
	(1)	7,000
	(2)	1,000
	(3)	7,100
	(4)	500
	(5)	400
	(6)	2,500
	(7)	3,000
	(8)	7,100
	(9)	2,185
Pauly Jail Bldg. Co., St. Louis Missouri		$232,615
	(1)	8,165
	(2)	865
	(3)	7,128
	(4)	298
	(5)	236
	(6)	2,183
	(7)	4,156
	(8)	7,128
	(9)	2,414
Southern Prison Co., San Antonio, Texas		$232,740
	(1)	9,116
	(2)	1,125
	(3)	8,115
	(4)	325
	(5)	397
	(6)	2,395
	(7)	4,160
	(8)	8,115
	(9)	2,684
Van Dorn Iron Works, Cleveland		$237,510
	(1)	10,886
	(2)	1,550
	(3)	10,025
	(4)	260
	(5)	472
	(6)	2,450
	(7)	4,329
	(8)	10,025
	(9)	2,750
Fries & Son Steel Const. Co., Covington, Ky.		$241,312
	(1)	11,185
	(2)	1,595
	(3)	10,312
	(4)	400
	(5)	528
	(6)	2,800
	(7)	4,500
	(8)	10,312
	(9)	2,550

Bids held under advisement.

SEATTLE, Wash.—D. Zelinsky and Sons, 165 Grove St., San Francisco, at $23,825 awarded contract by the Treasury Department for painting the plaster in the U. S. post office at Seattle.

SEATTLE, Wash.—J. W. Pollenson, 1202 N 46th St., Seattle, at $4,495 awarded contract by Treasury Department for waterproofing the brick work of the U. S. post office at Seattle.

LONG BEACH, Los Angeles Co., Cal.—Lindgren & Swinerton, Pacific Mutual Bldg., Los Angeles, general contractors for the Long Beach Post Office, will start work next week on earthquake damage repairs to the structure. The terra cotta exterior will be replaced where damaged, guniting applied in the upper stories and structural steel horizontal bracing will be employed in strengthening the first, second and third story floor slabs. Approximately $125,000 is available for the work.

FORT LEWIS, Wash.—Brady Construction Co., Seattle, at $44,770 awarded contract for warehouse and A. S. Hansen, Seattle, at $45,000 awarded contract for medical detachment barracks at Fort Lewis by War Department.

Medical detachment barracks will be 123 by 38 feet in area, two stories and basement, concrete frame, concrete slab floors, tile roof and brick exterior walls.

Warehouse will be two stories and basement, 128 by 47 feet in area, concrete frame, concrete slab floors, brick exterior and tile roof.

SANTA FE, New Mexico. — W. F. Stewart, Santa Fe, at $3,950 awarded contract by Treasury Department for cleaning and pointing stone work in the U. S. Courthouse at Santa Fe.

TUCSON, Ariz.—Smythe & Co., 1416 F St., N. W. Washington, D. C., at $3,863 awarded contract by Treasury Department for painting plaster in the U. S. Postoffice at Tucson.

LOS ANGELES, Cal.—Until Jan. 18 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for clearing the site of the U. S. post office and court house in Los Angeles. Plans and specifications available from above office and from the Custodian of the site of the U. S. post office and court house at Los Angeles.

HAMILTON FIELD, Marin Co. Cal. —Azevedo & Sarmento, 920 O Street, Sacramento, awarded the following sub-contracts for the construction of a photographic laboratory at Hamilton Field:

Masonry—Creed H. Wainscott, 5509 Folsom Blvd., Sacramento.
Carpentry—Azeveda & Sarmento, 920 O St., Sacramento.
Heating and Plumbing—J. J. McDermott, 2401 W St., Sacramento.
Electric Wiring—Spencer Elec. W'ks, 354 Hobart St., Oakland.
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Terra Cotta—Gladding, McBean and Co., 660 Market St., San Francisco.
Structural Steel—Palm Iron Works, 15th and S Sts., Sacramento.
Reinforcing Steel and Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Ornamental Iron—Palm Iron Works, 15th and S Sts., Sacramento.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Sheet Metal Work—Richmond Sheet Metal Works, Richmond.
Painting—Patterson Bros., 573 Santa Fe Ave., Berkeley.
Plastering—Chas. Hoskins, 3055 Gough St., San Francisco.
Tile—Malott and Peterson, 20th and Harrison Sts., San Francisco.
Glass & Glazing—East Bay Glass Co. 621 6th St., Oakland.
Vault Door—Herring - -Hall - Marving Safe Co., 214 California St., San Francisco.
Shades—A. J. Ruhlman & Co., 444 Golden Gate Ave., San Francisco.
Cast Cement—C. Tajliabue, 3432 Serre St., Sacramento.

PEARL HARBOR, T. H.—Bureau of Yards and Docks, Navy Department, Washington, D. C., cancelled the call for bids for two electric freight elevators and hoistway doors at the Naval Fleet Air Base, Pearl Harbor, T. H. Specification No. 7557. Bids were scheduled to be opened January 3.

BUTTE, Mont.—Until Jan. 10 bids will be received by Purchasing Agent Post Office Department, Washington, D. C., for furnishing three steel shelves, olive-green finish, for the post office at Butte. Proposal No. 837.

GLENDALE, Los Angeles Co., Cal. —Post Office Department, Washington, D. C., rejected all bids received on October 27 for eleven steel cabinets and a standing desk for the Glendale Post Office.

PORTLAND, Oregon — Bushong & Co., Portland, Oregon, at $1404.25 awarded contract by Post Office Department for furnishing furniture for the U. S. Post Office at Portland. Identical bids at $1405.25 were submitted by the following:
Remington Rand, Inc.
E. C. Chapman.
J. K. Gill Co.
D. C. Wax Office Equipment Co.
All of Portland.

HAMILTON FIELD, Marin Co., Cal. —All bids were rejected by Post Quartermaster, Hamilton Field, for linoleum in new kitchens of the Non-Commissioned Officers' Quarters at Hamilton Field. Bids did not comply with the specifications and new bids will be asked within a few days.

SALT LAKE CITY, Utah—Patterson Bros., 354 Hobart St., Oakland, at $545, submitted low bid to Treasury Department, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office and Courthouse at Salt Lake City, Utah. Only other bids was submitted by Berntson & Kuhn, Salt Lake City, at $725. Bids held under advisement.

8— CLUB BUILDINGS

RIVERSIDE, Cal.—Riverside Country Club, A. H. Brown, president, P. O. Box 358, Riverside, applied to the Public Works Administration for a loan of $150,000 to finance the construction of a new club house.

Contract Awarded.
ALTERATIONS Cont. Price, $3768
MENLO PARK, San Mateo Co., Calif. Woodside Road.
Alterations and additions for club house (construct concrete retaining wall, beams in ceilings, partition work, mill work, etc.)
Owner—Menlo Country Club, Woodside Road, Menlo Park.
Architect—Gardner Dailey, 210 Post St., San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.

SOUTH PASADENA, Los Angeles Co., Cal.—South Pasadena Post No. 110, American Legion, has been granted an allocation of approximately $22,500 of C.W.A. funds for a basement addition to its clubhouse in South Pasadena. The work will include the digging of a basement under the main building, 45x75 feet in area, lockers, showers and toilets. An addition will be made to the building to house adjutant's offices, billiard room, etc. Plans are being completed by Architects Marsh, Smith & Powell, Architects' Bldg., Los Angeles. Colonel Leonard J. Mygatt has been retained by the city to supervise construction.

9— HOSPITALS

LOS ANGELES, Cal.—Henry Auerbach, 331 S Grammercy Place, awarded contract for erection of a 2-story, 20-room Class D brick day nursery at 244 N Breed St., for Mrs. Sarah Singer and The Jewis Mothers' Alliance. The building will be 103x130 ft. in area, mission tile and composition roofing. Plans prepared by Architect M. P. Miller, 707 Board of Trade Bldg. Cost, $20,350.

Commisioned To Prepare Plans.
HOSPITAL AND ALMSHOUSE Cost, $70,000
MADERA, Madera Co., Cal.
Construct hospital and almshouse.
Owner—County of Madera.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Bonds were recently voted to finance construction.

VISALIA, Tulare Co., Cal.—Until 10 A. M., January 2, bids will be received by the Tulare County Supervisors for supplies and materials to be used in the erection of a detention home. Separate bids are required as follows:
(1) Electrical wiring and fixtures;
(2) Plumbing;
(3) Heating;
(4) Lumber and mill work;
(5) Hardware;
(6) Cement, rock, brick and sand;
(7) Roofing;
(8) Paints.
Specifications may be examined at the office of the Board in Visalia. Gladys Stewart, Clerk.

SAN FRANCISCO — Sara Delano Home, San Francisco, applied to the Public Works Administration for a loan of $190,000 for financing the construction of a five-story dormitory building on Leavenworth Street, San Francisco. Douglas Stone, 110 Sutter St., architect. Myrne Lamson and Jordan, Russ Bldg., attorneys.

10— HOTELS

Preparing Working Plans.
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Cal. Campus of Stanford University.
Group of two-story frame and stucco buildings (4 dormitories, accommodating 50 wemen); two dining rooms, large kitchen, administration building and servants' quarters; tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architect — John Bakewell Jr., and Arthur Brown Jr., Associated, 251 Kearny St., San Francisco.
Plans will be ready for bids in about six weeks.

LONG BEACH, Los Angeles Co. Cal.—Title Insurance & Trust Co., 433 S. Spring St., Los Angeles, trustees, will award a contract soon for reconditioning the Breakers Hotel at 200 E. Ocean Ave., Long Beach. John A. Dunham, engineer, 105 Locust Ave., Long Beach. Work will consist of repairing walls with reinforced concrete and reinforced gunite work, plastering, plumbing, electric wiring, tile and marble work, painting and decorating. Estimated cost is $50,000.

12— POWER PLANTS

SONOMA COUNTY, Cal.—The Geysers Development Co., 417 S Hill St., Los Angeles, has applied to the Federal Administration of Public Works for a loan of $25,000 to finance the construction of electrical power development and transmission lines in Sonoma County.

SAN FRANCISCO. — Until January 17, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for alterations and additions to steam generator plant at the Laguna Honda Home. Work involves:

Construction of a new building for boiler room, boiler to be 400 - hp.; complete automatic plant control, induced air fan, electrically driven, complete boiler room instruments, pneumatic water system, new filter system, two 10,000 gallon storage tanks, alterations to present switch board and feeders for relining of old boiler. Estimated cost, $93,000. Plans and specifications available from above office upon deposit of $10.00. Bids are being received on a lump sum basis

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

SANTA BARBARA, Cal.—Santa Barbara city council applied to the Public Works Administration for loan of $285,000 and a grant of $90,000 for financing the construction of a civic auditorium in Santa Barbara. Plans are being prepared by the Associated Architects of Santa Barbara, 116 E Sola Street.

SAN MATEO COUNTY, Cal.—San Mateo County Supervisors applied to the Public Works Administration for loans and grants to finance construction of public building additions as follows: Addition to courthouse, grant of $48,000, loan of $121,092; county office building, grant, $50,700, loan, $130-198; addition to relief home, grant of $7,650, loan of $21,716.

INGLEWOOD, Los Angeles Co., Cal. —Inglewood City Council has approved plans for a new fire hall and a memorial building to be erected in Inglewood. The plans have been submitted, with a request for the funds necessary to erect the buildings, to the Civil Works Administration.

CALIFORNIA — California prison directors have recommended that five new penal institutions be established in the state, including an institution for offenders unlikely to be released; institution of San Quentin type, including hospital and industrial facilities aid psychiatric ward; institution for criminal insane; instituton for criminally feebleminded, and prison farms with housing facilities of dormitory type. Application will be made to the Public Works Administration for a $1,500,000 loan for the construction of a new prison in Southern California to house juvenile offenders.

UPLAND, San Bernardino Co., Col. —Richard G. Manley, Upland City Service Manager, is preparing preliminary plans for a new city hall to be erected at D St. and Second Ave., Upland. The proposed structure will be built as a public works project in the event the city's application for Federal funds is approved.

Bids Opened.
ADDITION Cost, $15,000
WATSONVILLE, Santa Cruz Co., Cal.
Reinforced concrete and structural steel addition to public library (40 by 60 ft.), composition and shingle roofing and remodeling present building.
Owner—City of Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Following bids received:
C. M. Norgrove, 2220 Roosevelt St., Berkeley $16,630
Friend Raisch, Watsonville.... 16,749
H. H. Larsen, San Francisco.... 16,953
P. T. Wallstrom, Watsonville.... 17,300
C. L. Wold, San Francisco..... 17,587
If alternate (J) for omitting portion of building fixtures, is accepted the bid of Friend & Raisch will be low.

LOS ANGELES, Calif. — Architects A. C. Martin, A. R. Walker, Earl Heitschmidt, Edgar W. Maybury and Aleck Curlett have been selected by the Los Angeles county supervisors to prepare plans for the proposed new county office building to be erected at Sunset Blvd. and N Spring St. It will be an 11-story, Class A structure, and will house all branches of the county government now in rented quarters. Reports received from Washington early this month indicated that the Public Works Administration had approved an application for a loan and grant amounting to $2,115,200 for the building, but the question of whether the loan will be secured by a lease agreement or bonds has not yet been determined. G. B. Kaufmann and Edwin Bergstrom were recently appointed by the county supervisors as supervising architects for all county buildings financed with funds received from the government under the PWA and CWA programs.

Action Postponed Until Jan. 13.
MEMORIAL Cost, $——
WATSONVILLE, Santa Cruz Co., Cal.
Two - story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; club rooms, etc.; tile and composition roofing, hot air heatng system, hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
A meeting is being held on Jan. 13 at which time it is expected contract will be awarded. On bid opening lowest bid was submitted by H. H. Larsen, 64 South Park St., San Francisco at $52,432.

NAPA, Cal.—Construction will start shortly at the Napa County Veterans' Home under the CWA for repairs to the two-story infirmary, estimated cost, $14,000. There will also be constructed a two-stall garage building for housing fire truck, placing top soil for landscaping, improvements to walks, roads and grounds. Calls for bids for materials will be issued by John Castner, Purchasing Agent, Napa, who will work in conjunction with Director Fred Pond, local Civil Works Administrator.

SANTA MARIA, Santa Barbara Co. Calif.—O. H. Strauser, 900 Dawson Ave., Long Beach, at $50,847 submitted low bid to city council for general work for the construction of a new city building in Santa Maria to house city offices, fire station and jail. Louis N. Crawford, 8 Gibson-Drexler Bldg., Santa Maria, architect. Following are low bidders on all portions of the work:

General Work
O. H. Strauser, Long Beach.....$50,847
C. L. Wold, San Francisco..... 53,497
Plumbing
E. M. Payne, San Luis Obispo..$3,176
Electric
Misslon Elec. Co., Santa Barbara $1,646
Roofing
Carl Roofing Co., Santa Maria....$5,368
Ventilating
E. M. Payne, San Luis Obispo..$2,838
Painting
Patterson Bros., 573 Santa Rosa Ave., Berkeley $1,474
Complete bids will be published in a day or so.

Commissioned To Prepare Plans.
ADDITIONS Cost, $——
BERKELEY, Alameda Co., Cal. Warring and Parker Streets.
Additions to state home for the deaf.
Owner—State of California.
Architect—Charles F. B. Roeth, 2548 Cedar St., Berkeley.

Preparing Working Drawnigs.
ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Application has been filed with the Public Works Administration for a grant of $19,320.

14— RESIDENCES

Contract Awarded.
RESIDENCES Cost. $2000 each
REDWOOD CITY, San Mateo Co., Cal. Stafford Street.
Three one-story frame residences (3 rooms and bath each).
Owner—C. E. Archibald, 919 Arguello Blvd., Redwood City.
Architect—Not Given.
Contractor — T. Yamane, Woodside Road, Redwood City.

To Ask Bids In One Week.
RESIDENCE Cost, $17,000
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and stucco residence (11 rooms and 4 baths); shake roof, pine and oak floors, hot water heating system, etc.
Owner—Withheld.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.

Contract Awarded.
ALTER RESIDENCE $2973
PALO ALTO, Santa Clara Co., Cal. No. 442 Lowell Avenue.
Alterations to two-story frame and stucco residence (general interior and exterior work).
Owner—Harry Bruning, 442 Lowell Ave., Palo Alto.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Clinton Stephenson Construction Co., 550 Montgomery St., San Francisco.

Low Bidder.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and stucco residence.
Owner — J. H. P. Howard Jr., 1401 Jones St., San Francisco.
Architect — Willis Polk Co. (Angus McSweeney, Architect), 277 Pine St., San Francisco.
Low Bidder—G. W. Williams Co., 315 Primrose Road, Burlingame.

Prospective Bidders.
REMODEL RESIDENCE Cost, $2500
SAN FRANCISCO. Sixteenth Avenue and Lake Street.
Remodel residence (two-story frame and stucco structure) work involves: new entrance, brick steps, wrought iron railing, new kitchen equipment, new plumbing fixtures, add one new bath room, linoleum and canvas in baths, complete painting and decorating, warm air gas heating system, living room to be done in pine.
Owner—Sheldon Potter.
Architect — Mario Corbett, 683 Sutter St., San Francisco.
Following will submit bids. Bids open January 10.
Young & Horstmeyer, 461 Market.
Moore & Roberts, 693 Mission St.
Strehlow & LaVoie, 1070 Dolores St.
Fred DuPuy, 110 Sutter St.
Paul Jones, 1272 18th Ave.
A. F. Mattock, 212 Clara St.

Contract Awarded.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Ascot Drive.
One-story and basement frame and stucco residence (6 rooms) English type, shingle roof, hardwood floors wood sash, etc.
Owner—L. E. Lyons, Ricardo Avenue, Oakland.
Architect—Not Given.
Contractor — W. A. Netherby, 3853 Lyman Road, Oakland.

Sub-Blds Being Taken.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. Windsor Street (Sunset Gable Tract).
Two-story frame and stucco residence (6 rooms) shingle roof, gas heating system, tile work, wood sash, sheet metal, etc.
Owner—Mrs. Ruth Utter, Richmond.
Architect—Not Given.
Contractor — W. A. Netherby, 3853 Lyman Road, Oakland.

Plans Being Figured—Bids Close Jan. 8, 12 Noon.
RESIDENCE Cost, $15,000
SAN ANSELMO, Marin Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 3 baths), modernistic type, composition roof, wood and stucco exterior, oil burner, warm air heating system, tile baths, etc.
Owner—Dr. Mary H. Layman, Stanford University Hospital, S. F.
Architect—George Clark, 210 Post St., San Francisco.
Bids are being taken from a selected list of contractors.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
PALO ALTO, Santa Clara Co., Cal. No. 109 Dana Street.
Two-story frame and stucco residence
Owner and Builder, T. E. Robertson, % Architect.
Architect—Chas. K. Sumner, Decker Oak Bldg., Palo Alto.

Contract Awarded.
RESIDENCE Cost, $6500
SAN FRANCISCO. W Oakdale 125 E Newhall.
Two - story and basement frame and stucco residence.
Owner—Spiro and Anna Gauci, care contractor.
Architect—Not Given.
Contractor—DeLucchi and Sons, 3275 San Bruno Avenue.

Contract Awarded.
RESIDENCE Cost, $6500
SAN FRANCISCO. W Oakdale St. 125 E Newhall.
Two-story and basement frame and stucco residence.
Owner—Spiro and Anna Gauci, % Contractor.
Architect—Not Given.
Contractor—DeLucchi & Sons, 3275 San Bruno Ave., San Francisco.

To Ask Bids Within A Few Days.
COTTAGES Cost, $3200 each
ALBANY, Alameda Co., Cal.
Group of 20 one-story frame and stucco cottages (5 rooms each).
Owner and Builder—C. M. McGregor, % W. W. Dixon.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Planned.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Piedmont Pines.
New residence.
Owner—L. E. Lyons, Ricardo Avenue, Oakland.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost. $——
ALAMEDA, Alameda Co., Cal. 3000 Washington Street.
One - story and basement frame and stucco residence (7 rooms) Colonial style.
Owner—Pietro Recagno.
Architect—Not Given.

Contractor—Charles Ungaretti, 1727 Foothill Blvd., Oakland.

Preparing Preliminary Plans.
RESIDENCE Cost, $5500
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
One-story and basement frame and stucco residence (five rooms) tile roof, gas heating system, tiled bath, hardwood floors and trim.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. 2000 106th Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Sidney Pepperell.
Architect—Not Given.
Contractor—J. C. Rodger, 2257 106th Ave., Oakland.
Brick—Paul Breitkopf, 2145 East 23rd St., Oakland.
Plumbing—L. J. Kruse Co., 6247 College Ave., Oakland.
Concrete Materials—Powell Brothers, Harrison Ave. and Pearl St., Alameda.
Fixtures—Bungalow Fixture Co., 1235 35th Ave., Oakland.
Roofing—M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Tile—Kenneth Meiring Tile Co., 1139 Addison St., Berkeley.
Painting—Montgomery and Montgomery, 4526 Pampas Ave., Oakland.
Hardwood Floors—Angelo Ranconi, 5127 Lawton Ave., Oakland.
Frames—Fraga and Ramos Mill and Lumber Co., 616 29th Ave., Oakland.

Plans Being Prepared.
RESIDENCES Cost, $2,440,800
REDWOOD CITY, San Mateo Co. Cal. Woodside Road; 100-acre tract.
218 5-room and 173 6-room frame and stucco residences.
Owner—Not Given.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Lots will average 70x100 feet, allowing approximately four houses to an acre. There will be gardens, parks playgrounds, tennis courts, baseball ground and swimming pool. Further details will be announced shortly.

Preparing Preliminary Plans.
RESIDENCE Cost, $5800
BERKELEY, Alameda Co., Cal. Shasta Road.
Two-story frame and stucco residence (5 rooms) shingle roof, gas heating system, tiled bath, hardwood floors and trim, etc.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Plans Being Completed.
REMODEL RESIDENCE $2500
LAFAYETTE, Contra Costa Co., Cal.
Remodel frame farm house (add two rooms and balcony, new shake roof, hardwood floors, add one tile bath.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Bids will be asked about January 2d

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 6007 Monadnock Way.
One-story frame and stucco residence (5 rooms).
Owner and Builder—O. L. Moen, 4201 E-16th St., Oakland.
Plans by Owner.
Plumbing — K. C. Nelson, 2534 14th Ave., Oakland.
Painting — William Flint, 749 Warfield Ave., Oakland.
Electric—E. L. Reed, 2541 Seminary Ave., Oakland.
Sheet Metal—California Furnace Co., 4801 E-14th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
PALO ALTO, Santa Clara Co., Calif. 1118 Webster Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—F. W. Fox.
Architect—Henry C. Collins, Decker-Oak Bldg., Palo Alto.
Contractor—F. W. Fox, 1101 Waverly St., Palo Alto.

To Be Done By Day's Work.
RESIDENCE Cost, $5250
PALO ALTO, Santa Clara Co., Cal No. 108 Dana Street.
One-story and basement frame and stucco residence.
Owner and Builder—T. E. Robertson, % Architect.
Architect—Chas. K. Sumner, Decker Oak Bldg., Palo Alto.

15— SCHOOLS

Plans Being Figured—Bids Close Jan. 25, 4 P. M.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St., and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—Henry D. Dewell, 55 New Montgomery St., San Francisco.

BUTTONWILLOW, Kern Co., Cal. —Buttonwillow Union School District will hold an election on January 23 to vote bonds in the amount of $9,000 to finance construction of an addition to the Buttonwillow School. Edwin J. Symmes, Haberfeld Bldg., Bakersfield architect. Public Works Administration has approved the application for a loan and grant of $11,500.

Preparing Working Drawings.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Calif.
One-story frame and stucco grammar school (five classrooms and recreation room).
Owner—Portola Grammar School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked about March 1.

Commissioned To Prepare Plans.
ADDITION Cost, $25,000
LE GRAND, Merced Co., Cal.
Addition to high school.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Application has been filed with the Public Works Administration for a loan and grant. If loan is granted a bond election will be held to finance construction.

Commissioned To Prepare Plans.
ADDITION Cost, $25,000
CERES, Stanislaus Co., Cal.
Frame addition to High School building (hollow tile exterior walls, etc.)
Owner—Ceres Union High School Dist.
Architect—W. H. Weeks, 525 Market St., San Francisco.
An election is being held by the Ceres Union High School District to vote bonds in the amount of $25,000 to finance construction.

BEVERLY HILLS, Los Angeles Co. Calif.—Beverly Hills School District has applied to the Public Works Administration for a loan of $225,000 and a grant of $67,500 for financing the strengthening of school buildings in Beverly Hills. Holmes & Narver, 1400 Stock Exchange Bldg., Los Angeles, are consulting engineers for the district.

SANTA ANA, Orange Co., Calif.—Santa Ana board of education has called an election for January 23 at which time the matter of rehabilitating schools will be submitted to the voters. Two propositions will appear on the ballot, one in regard to repairing damage at the high school and junor high schools at a cost not to exceed $500,000; the other in regard to elementary school repairs at a cost of not more than $115,000. Santa Ana schools were recently allotted $615,000 from the R.F.C. earthquake reconstruction fund as a loan. Allison & Allison, Los Angeles, architects for the high school work and Frederick H. Eley, Santa Ana, architect for the elementary schools.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $114,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replace masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.

SACRAMENTO, Cal. — Campbell Construction Co., 800 R St., Sacramento, awarded contract by Sacramento Board of Education for erecting and furnishing chain link fence at the Kit Carson Junior High School, located at 54th and M Streets. Work involves approximately 2059 feet of chain link fence, including gates. Complete bids published December 14.

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans, including analyses, structural design computations and estimates of cost for reconstructing, rehabilitating and strengthening at the Polytechnic high school and has authorized Structural Engineers Holmes and Narver, Inc., 639 S Spring St., to proceed with working drawings. Cost is estimated at $339,513. Work on plans for administration building to be deferred temporarily pending soil tests.

Plans Completed.
ADDITION Cost, $4000
SANTA CLARA, Santa Clara Co., Cal.
One-story frame addition to shop.
Owner — Santa Clara Union Hign School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Work will be done by day's labor under CWA.

Excavation Under Way.
SHOWER BLDG. Cost, $7000
HOLLISTER, San Benito Co., Cal.
One-story frame and stucco boys' shower building (flat roof, concrete floors, some tile work, etc.)
Owner—San Benito High School Dist.
Architect—W. H. Weeks, 525 Market San, San Francisco.
Manager of Constr.—C. B. Younger, 840 Washington St., Hollister.

BERKELEY, Alameda Co., Cal.—Architects Bakewell & Welhe 251 Kearny St., and Architect Eldridge T. Spencer, Spreckels Bldg., San Francisco, have been commissioned to make a preliminary survey of all school buildings in Berkeley to determine the type of improvements and the costs. Thomas Chace, 625 Market

St., San Francisco, structural engineer. Further details will be announced shortly.

Prospective Bidders.
SHOP BLDG. Cost, $10,000
GRASS VALLEY, Nevada Co., Cal.
One-story Class C reinforced concrete shop building for school (3 rooms)
Owner—Grass Valley High School District.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Following is a partial list of contractors who have procured plans. Bids open January 10.
San Francisco Constr. Co., 3159 Fillmore St., San Francisco.
H. H. Henning, 1751 Berkeley Ave., Stockton.
E. T. Leiter & Son, 811 37th St., Oakland.
A. F. Anderson, 5322 J St., Sacramento.
George Swanstrom, 1615 78th Ave., Oakland.
Plans available from architect and from high school district at Grass Valley upon deposit of $10.

BERKELEY, Alameda Co., Cal.—Berkeley Board of Education is contemplating the construction of an earthquake-proof tunnel to present shower and locker rooms in the gymnasium and removal of any brick or tile wall in the gymnasium. Further details will be announced later.

Preparing Working Drawings.
ADDITION Cost, $60,000
HEALDSBURG, Sonoma Co., Cal.
One and two-story wing addition to high school (reinforced concrete structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alteration work, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Application for a federal loan of $18,000 has been filed with the Public Works Administration.

LOS ANGELES, Cal.—Secretary of the Interior Ickes this week is expected to approve an outright grant of from $9,000,000 to $11,000,000 of Public Works Administration funds to Los Angeles school district for repairs to earthquake damaged schools, according to an announcement made by Frank E. Trask, state engineer for the PWA. The total cost of the repairs, according to report of the board of consulting engineers appointed by the board of education, will amount to more than $31,000,000. Matters pertaining to a bond issue to cover cost of repairs, the bonds in turn to be sold to the PWA have been discussed by the board, but no decision as to the amount of the issue or an election date has been reached.

LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary plans, including analysis, structural design computations and estimates of cost, of reconstructing, rehabilitating and strengthening at the Hooper Avenue School and has authorized Structural Engineer Ellis Wing Taylor, 803 W. Third St., to proceed with working drawings. Cost, $26,772.

Planned.
SCHOOLS Cost, $80,000
ROSEVILLE, Placer Co., Cal.
Construct one new elementary school and additions to two elementary school buildings.
Owner—Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
An election will be held February 20 to vote bonds in the amount of $80,000 to finance construction. Federal aid will also be asked.

Plans Being Figured—Bids Close Jan. 22, 7:30 P. M.
SCHOOL Cost, $12,000
BAKERSFIELD, Kern Co., Calif. F St. bet. 31st and California.
Two-story high school bldg. (21 classrooms) Class A steel frame and reinforced concrete construction.
Owner—Kern Co. Union High School District.
Architect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.
Plans and specifications are available from architect upon deposit of $20. Certified check or bidder's bond in the amount of 10% must accompany each bid. Marvin Davis, clerk.

VICTORVILLE, San Bernardino Co., Cal.—The Victorville High School District proposes the erection of a combination auditorium and gymnasium building at the Victorville High School site. Preliminary sketches have been prepared by Architects Marsh, Smith & Powell, 506 Architects' Bldg., Los Angeles.

ALHAMBRA, Los Angeles Co., Cal.—Alhambra Board of Education has decided to erect a complete new unit on the Ramona School site instead of remodeling the auditorium and building addtions. The project is part of the rehabilitation program for which a $398,000 bond issue will be submitted to the voters on January 30. John Walker Smart, 39 E. Main St., Alhambra, architect.

PRESTON, Sonoma Co., Cal.—Monarch Iron Works, 262 7th St., San Francisco, at $762 awarded contract by State Purchasing Department for miscellaneaous iron and steel for the Preston School of Industry at Ione.

SANTA YNEZ VALLEY, Santa Barbara Co., Cal.—Santa Ynez Valley Union High School District applied to the Public Works Administration for a loan of $94,400 and a grant of $30,600 for financing the construction of a reinforced concrete school bldg. E. K. Lockard, 117 E De la Guerra, Santa Barbara, architect.

ALBUQUERQUE, N. M.—Until Friday, Jan. 19, bids will be received by the Albuquerque board of education for the construction of a new school building to replace the old Fourth Ward school in Albuquerque. It will be a two-story and basement, seventeen-rom structure costing $100,000.

Contract Awarded.
SCHOOL Cost, $25,000
BATTLE GROUND, Washington.
Two-story addition to school building (frame construction, brick exterior, cast stone trim, etc.)
Owner—Battle Ground School Dist.
Architect—C. N. Freeman, Weatherly Bldg., Seattle, and Day Nilborn, Vancouver.
Contractor—J. Malarkey, Portland.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $4000
BERKELEY, Alameda Co., Cal. 2310 Shattuck Avenue.
Alterations to building.
Owner—T. W. Corder, Inc., 67th and Bay, Emeryville.
Architect—Not Given.
Contractor—W. E. Lyons, 2009 Pacific Ave., Alameda.

To Be Done By Day's Work.
REPAIRS Cost, $3,600
SAN FRANCISCO. 1182 De Haro St.
Repair fire damage to stores and flats.
Owner—Mrs. Iso, 1182 De Haro St.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $5000
ALAMEDA, Alameda Co., Cal. Park St. at Central Ave.
Alterations to store building (counters, fixtures, etc.)
Owner—Jesse L. Delanoy, Commercial National Bank, Alameda.
Architect—Not Given.
Lessee—Sprouse-Reitz Co., Portland.
Contractor—J. H. Pickrell, 332 Santa Clara Ave., Alameda.

Construction To Start Shortly.
STORE Cost, $25,000
SAN MATEO, San Mateo Co., Calif. 240-246 B Street.
1½-story reinforced conc. store bldg. (50x108) two stores.
Owner—H. Van Oorschot.
Architect—Not Given.
Contractor—H. H. Larsen, 64 South Park St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. 1097 Howard St.
Alterations to Blindcraft home.
Owner—S. F. Blindcraft Assn., 1097 Howard Street.
Architect — Henry H. Gutterson, 526 Powell Street.
Contractor—A. H. Wilhelm, 666 Mission Street.

Contract Awarded.
ALTER BLDG. Cost, $1300
SAN JOSE, Santa Clara Co., Calif. 181 South First Street.
Alterations to builidng for restaurant.
Owner—Steve Dimeff, Willow Glen.
Architect—Not Given.
Contractor—San Jose Commercial Co. South Market St., San Jose.

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ENGINEER'S CONSULTATION FREE

R. G. LE TOURNEAU, INC.

Wilson Way at Roosevelt Stockton, Calif.

Contracts Awarded.
ALTER STORE Cost, $5000
OAKLAND, Alameda Co., Cal. SE Thirteenth and Washington Sts.
Alterations to building for furniture store (show windows, electric work, remodel elevator, painting, etc.)
Owner—Hugo and Jules Abrahamson, 477 15th St., Oakland.
Architect—Not Given.
Lessee—Union Furniture Co., San Francisco.
Contractor—S. Kulchar & Co., 731 E-Tenth St., Oakland.
Electric — Scott Buttner, 19 Grand Ave., Oakland.
Remodel Elevator—Liberty Elevator Co., 1005 Webster St., Oakland.
Painting—Cramer Bros., 1325 Clement St., San Francisco.

Contract Awarded.
ADDITION Cost, $3000
OAKLAND, Alameda Co., Cal. No. 2781 Telegraph Avenue.
One-story brick and tile addition to building.
Owner—Richard & Edward Fong, 576 Tenth St., Oakland.
Architect—Not Given.
Contractor — Edward Sommarstrom, 138 E-12th St., Oakland.

Contract Awarded.
STORE Cost, $7500
OAKLAND, Alameda Co., Cal. Lakeshore Boulevard.
One-story reinforced concrete store building (50x80 ft.) woood trusses, tar, gravel and composition roof, Vitrolite front, metal sash bars.
Owner—L. B. Hoge.
Architect — Ray Keefer, 770 Wesley St., Oakland.
Structural Engineer — V. Poss, 2929 Russell St., Berkeley.
Contractor — C. H. Thrams, 28 Home Place, Oakland.

Contract Awarded.
REMODEL BLDG. Cost, $15,000
FRESNO, Fresno Co., Calif. Broadway.
Alterations to four buildings (250 ft. frontage).
Owner—W. Parker Lyon, Pasadena.
Architect—Not Given.
Contractor—Fred. J. Stone, Mason Bldg., Fresno.

Contracts Awarded.
ALTER CAFE Cost, $——
VALLEJO, Solano Co., Cal. 328 Georgia Street.
Alterations for cafe.
Owner—Tony Smernes, Vallejo.
Architect—Not Given.
Contractor—George Cassady, Vallejo.
Plumbing—Robert G. Winchell.
Oil System—Basalt Rock Co., Napa.
Sheet Metal—Stanley Cook, Vallejo.
Electric—Stanley Pierce, Vallejo.
Ice and Ammonia Plant—P. W. Haskins.
Linoleum—Lisher & Ratto.
Frigidaire—Win Kehr.

Contract Awarded.
STORES AND OFFICES Cost, $——
SAN FRANCISCO. Sixteenth St., bet. Mission and Valencia Sts.
Two-story, basement and mezzanine floor Class A steel frame and reinforced concrete stores and offices (2 stores, 14 offices) asphalt and gravel roof, steam heating system, ventilating, electrical work, wood and tile floors, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, Architects and Engineers, Phelan Bldg., San Francsco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco, at $16,955.
Contract awarded for excavaton, grading, foundation, reinforced concrete walls, floors and roof.
Structural Steel—Western Iron Wks., 141 Beale St., at $10,530.

Bids will be taken on heating, ventilating, plumbing, electric, refrigeration, electric lighting fixtures, interior finish and elevators in abount two weeks.

Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. No. 2116 Broadway.
Alterations for grille.
Owner—Hamburger & Kern, 110 Sutter St., San Francisco.
Architect—Not Given.
Plumbing — Robert Duncan Jr., 711 Myrtle St., Oakland.
Cabinet Work, Etc.—Bay City Cabinet Co., 1076 5th St., Oakland.

Plans Being Figured.
AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 405 W-Santa Clara Street.
One-story brick automobile building (107x250 ft.) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin, San Jose
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.

Contract Awarded.
ALTER STORE Cost, $2000
PALO ALTO, Santa Clara Co., Cal. No 333-335 University Avenue.
Alterations to store building.
Owner—George Wagner.
Architect—Not Given.
Contractor—O'Neil-The-Builder, 1450 Emory St., San Jose.

Construction To Start Shortly.
STORE Cost, $30,000
MENLO PARK, San Mateo Co., Cal. El Camino Real.
One-story reinforced concrete Post Office and store building (8 stores) (163x90 ft.)
Owner—Maloney Estate.
Architect — W. F. C. Gillam, 1470 Broadway, Burlingame.
Contractor—John W. Morey, Alejandro Ave., Atherton.

Sub-Bids Being Taken.
ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Cal. No. 1445 Oak Street.
Repairs to building.
Owner—Nucleus Bldg. & Loan Assn., 6 N-First St., San Jose.
Plans by Owner.
Contractor—W. James Johnston, 220 Santa Rosa Ave., Oakland.

Roofing Contract Awarded.
STORES & OFFICES Cost, $35,000
SAN FRANCISCO. Stockton St. and Card Alley.
Two - story reinforced concrete office and store building (tar and gravel roof, steam heating system, concrete and wood floors).
Owner—S. Giannone, % A. Cavali, 255 Columbus Avenue.
Architect — Wm. Mooser, Monadnock Building.
Supt. of Const.—Louie Spargo.
Contractor—Vannucci Bros. Const. Co. 1875 San Bruno Avenue.
Roofing—Empire Roofing Co., 261 Silver Avenue.
Other awards reported Dec. 8.

Contract Awarded.
REMODEL OFFICES. Cost, $3850
BERKELEY, Aameda Co., Cal. SW Bancroft and Shattuck Ave.
Remodel third floor of T. W. Corder Building (work involves, cabinet and partition work, electric wiring, etc.)
Owner—T. W. Corder, Inc., 67th and Bay Sts., Emeryville.
Architect—James Plachek, Mercantile Bank Bldg., Berkeley.
Contractor—W. E. Lyons, 2009 Pacific Ave., Alameda.

Contract Awarded.
REPAIR BLDG. Cost, $2000
SAN FRANCISCO. No. 74 New Montgomery Street.
Repair fire damage to news publishing building and offices.
Owner — J. C. Newlan, 420 Sharon Bldg., San Francisco.
Architect—Not Given.
Contractor—Taylor & Goericke, 220 Sharon Bldg., San Francisco.

To Ask Bids Within A Few Days.
STORES & OFFICES $15,000
ALBANY, Alameda Co., Cal. Solano Avenue.
One-story frame and stucco store building (3 stores) and one two-story frame and stucco store and office building (3 stores, 4 offices for dentists); tile and composition foor, wood floors, etc.
Owner and Builder—C. M. McCregor, % W. W. Dixon.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Sub-Contracts Awarded.
STORE Cost, $——
SAN FRANCISCO. Chestnut and Mallorca Streets.
One-story reinforced concrete store bldg. (25x70 ft.) steel sash, aluminum face sash on front, ten-year guaranteed built-up roof.
Owner—Martin Stelling, 155 Montgomery St., San Francisco.
Architect—Francis Lloyd, 360 Pine St. San Francisco.
Contractor—De Luca & Son, 1745 Filbert St., San Francisco.
Steel Sash—Michel & Pfeffer Iron Works, 10th and Harrison Sts. San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts.
Mill Work—Acme Mfg. Co., 1885 San Bruno Ave.
Roofing—P. E. Depaoli, 2450 Polk St.

17— THEATRES

Plastering Contract Awarded.
ALTER THEATRE Cost, $12,000
SAN FRANCISCO. 645 Broadway.
Alterations to theatre building.
Owner—North Beach Theatre, Inc., 25 Taylor Street.
Contractor—Alfred J. Hopper, 1769 Pleasant Valley Road, Piedmont.
Plastering—Emil Zanzi, 1366 Shafter.
As previously reported, structural steel awarded to Judson-Pacific Co., foot of Park Ave., Oakland; lumber to Acme Lumber Co., 6th and Channel Sts.; mill work to Holmes Planing Mill Co., 6th and Channel Sts.; doors to Western Door & Sash Co., 112 Market St.; wet conc. to Readymix Concrete Co., Carolina and Mariposa Sts.; reinforcing mesh to Truscon Steel Co., Call Bldg.; finish hardware to Marshall Newell Supply Co., Spear and Mission Sts.; sheet metal work to L. F. Witharm, 686 28th St., Oakland; plumbing to Frank Kilmm Co., 456 Ellis St.

18— WHARVES & DOCKS

Planned.
EXTEND DOCK Cost, $510,000
OAKLAND, Alameda Co., Cal. Outer Harbor.
1300 foot extension to dock (concrete construction, timber apron).
Owner—City of Oakland Port Commission.
Plans by Engr. Dept. of Owner.
Application is being filed with the PWA for funds to finance construction.

YERBA BUENA ISLAND, Cal.—Until January 11, 2 P. M., (date postponed from January 5) bids will be received by the Superintendent of Light-

houses. H. W. Rhodes, Room 424 Customhouse, San Francisco, under Proposal No. N-62, for 90 ft. by 60 ft. extension to wharf at Yerba Buena Island Lighthouse Depot, San Francisco Bay. The work includes timber piling and laying of railroad track. Alternate bids will be received for the construction as follows:
(1) Wharf and 180 ft. of railroad track
(2) Wharf and 90 ft. of railroad track
(3) Wharf omitting railroad track.
An appropriation of $8500 is available for the work. Plans and specifications obtainable from above office.

19—MISC. CONSTRUCTION

LOS ANGELES, Calif.—Lohman Bros., 232 S Spring St., Los Angeles, have signed a contract at $118,000 for the power plant and heating system to be installed in the building under construction at 1st and Spring Sts. for the Times-Mirror Co. Gordon B. Kaufmann, architect, 610 Union Bank Bldg. P. J. Walker Co., managers of construction, 3900 Whiteside Avenue.

CAPITOLA, Santa Cruz Co., Cal.—Public Works Administration will be asked for $250,000 for the purpose of constructing a new training camp for the California National Guard at Capitola. Adjutant General Seth E. Howard.

Construction to Start Immediately.
FIELD HOUSE, ETC. Cost, $27,000
SAN JOSE, Santa Clara Co., Cal. Spartan Stadium.
Construct new field house, rest rooms, radio broadcasting booth, press box and two sections of new seats (all frame and timber construction).
Owner—San Jose State College.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Work is to be done under the CWA.

HAMILTON FIELD, Marin Co., Cal. Plans are on file at the office of the Daily Pacific Builder for the construction of additions to the A. C. gasoline system at Hamilton Field, for which bids will be opened January 10, 11 A. M., by the Constructing Quartermaster, Hamilton Field.
The contract includes installation of three underground storage tanks of 25,000 gals. each (furnished by the government), a tank truck filling stand and shelter, connecting these tanks with the existing system, removal and relocation of the existing gasoline fill line and the installation of a new delivery line from the new tanks to the existing line and to the tank truck filling stand and making all connections to the existing water main and electric power lines, installing a new water separator, water control pit and meter pit, the necessary drainage system from the new tanks to the existing storage sewer, together with the furnishing and installing of all equipment necessary to complete the gasoline fueling system. Plans Completed.
BUILDING Cost, $2000
SAN FRANCISCO. E Van Ness Ave South, from Mission to Twelfth.
One-story and basement frame building.
Owner—Boothby-Spillman Tabernacle
Architect—A. R. Williams, 785 Market St., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.

PEARL HARBOR, T. H.—Automatic Electric Company, Chicago, Ill., at $45,016.71 awarded contract by Bureau of Yards and Docks, Navy Department, for telephone exchange and sets for the Navy Yard and 14th Naval District, Pearl Harbor, T. H. Specification No. 7513.

20—MISC. SUPPLIES AND MATERIALS

PORTLAND, Oregon—J. K. Gill Co., Portland, at $323 awarded contract by Post Office Department, Washington, D. C., for office furniture for the U S. Post Office, Portland. Identical bids at 323 were submitted by the following. All bidders of Portland:
E. J. Chapman.
Remington Rand, Inc.
D. C. Wax Office Equipment Co.
Bushong & Co.

CALIFORNIA STATE. — Identical prices were quoted by all oil compaies bidding for the furnishing of gasoline and oil for State equipment, the price being posted Retail Service Station "at time and place of delivery."

J. F. Mispley, State Purchasing Agent, announced that no contracts would be awarded on this basis. He recommended to all departments and institutions that wherever possible deliveries will be taken from the various highway jobs, to effect a savings of deliveries made on credit cards.

PORTLAND, Oregon — Remington-Rand, Inc., Portland, at $490.50 awarded contract by Post Office Department, Washington, D. C., for furnishing furniture for Post Office, Portland. Identical bids at $490.50 were submitted by the following bidders, all of Portland:
Bushong & Co.
E. J. Champan.
J. K. Gill Co.
D. C. Wax Office Equipment Co.

ELEVATORS—Bureau of Reclamation, Denver, Colo.

BOULDER CANYON, Nev.—Haughton Elevator and Machinery Co., 679 Spencer St., Toledo, Ohio, at $20,267 submitted low bid to the Bureau of Reclamation, Denver, for furnishing and installing two automatic push-button type electric elevators under Spec. 555.

Bidders follow:

(A) Haughton Elevator & Mach. Co. Toledo, Ohio.
(B) Montgomery Elevator Co., Moline, Ill.
(C) Pacific Elevator & Equip. Co., San Francisco.
(D) Otis Elevator Co., New York.
(E) Westinghouse Electric & Machinery Co., Chicago.
Items are as follows:
(1) shipping point, elevators, etc.;
(2) shipping point, tools, and equip.;
(3) bid price shipping point;
(4) extra for safety gates;
(5) delivery cost on commercial B/L without safety gates;
(6) extra for safety gates;
(7) delivered cost on commercial B/L with safety gates.

	(A)	(B)	(C)	(D)
(1)	Toledo, Ohio	Moline, Ill.	Beaver Falls, Pa.	Yonkers, N. Y.
(2)	Toledo, Ohio	Moline, Ill.	San Francisco	Los Angeles
(3)	$20,267.00	$21,604.00	$22,216.00	$22,375.00
(4)	No bid	No bid	No bid	$84.00
(5)	$21,457.00	$23,174.00	.....	$24,015.00
(6)	No bid	No bid	.....	$84.00
(7)	.....	.....	.....	$24,099.00

	(E)		(E)
(1)	Chicago	(5)	24,735.00
(2)	Los Angeles	(6)	360.00
(3)	$22,385.00	(7)	25,095.00
(4)	360.00		

ORDNANCE WAREHOUSE — HAMILTON FIELD

HAMILTON FIELD, Marin Co., Cal. —Following bids received by Constructing Quartermaster, Hamilton Field, for the construction of an ordnance warehouse at Hamilton Field. Total bids follow:
(A) K. E. Parker, 135 South Park, San Francisco, $35,800.
(B) San Francisco Constr. Co., San Francisco, $36,813.
(C) H. L. Petersen, San Francisco, $38,131.
(D) Schuler & MacDonald, Oakland, $39,973.
Alternate proposals follow:
(1) Work complete;
(2) If cast-in-place piles are used in lieu of precast concrete piles, deduct;
(3) If built?up roofing on wood deck and copper flashings and cornice are installed in lieu of asbestos protected metal roofing, deduct;
(4) If one and not to exceed three bays are added or omitted;
(5) Wood test piles, 40 feet long, ea.;
(6) Precast concrete pile, per lin. ft.;
(7) Cast-in-place concrete piles, per lin. ft.;
(8) Excavation, per cu. yd.;
(9) Concrete, Type "A" including forms, per cu. yd.;
(10) Concrete, Type "B" including forms, per cu. yd.;
(11) Reinforcing steel, per ton;
(12) Common brick (in wall), per sq. ft.;
(13) 8 in. partition tile (in place) per sq. ft.;
(14) 4 in. partition tile (in place) per sq. ft.;
(15) Built-up roofing (including deck) 100 sq. ft.;
(16) A.P.M. roofing, 100 sq. ft.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$35,800.00	$36,813.00	$38,131.00	$39,973.00
(2)	4.000.00	2,400.00	979.00	1.373.00
(3)	900.00	419.00	745.00	385.00
(4)	3,300.00	3,204.00	3,703.00	3,100.00
(5)	50.00	60.00	75.00	75.00
(6)	1.35	1.45	2.05	2.00
(7)	2.40	1.98	2.30	1.65
(8)	1.50	1.00	.75	1.50
(9)	13.50	14.00	12.00	14.50
(10)	15.50	16.00	14.00	15.00
(11)	80.00	78.00	77.50	83.00
(12)	.65	.69	.75	1.15
(13)	.40	.37	.38	.35
(14)	.20	.18	.20	.20
(15)	18.00	18.00	15.20	7.75
(16)	27.50	23.00	23.00	8.85

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for machinery and equipment as follows:

SAWS, motor-driven hack; 3, Mare Island. Sch. 1487; Jan. 9.
CRANE, gasoline engine driven self-propelled; 1, Mare Island. Sch. 1489; Jan. 9.
SAW, motor-driven metal cut-off; Puget Sound. Sch. 1492; Jan. 9.
TRACTOR, with crane attachment; San Diego. Sch. 1507; Jan. 9.
CABINET, sand blast; San Diego. Sch. 1507; Jan. 16.
MACHINE, motor-driven bench milling; San Diego. Sch. 1503; Jan. 16.
DRILLS, motor-driven, radial, 2; San Diego. Sch. 1502; Jan. 16.
DRILLS, motor-driven bench milling; San Diego. Sch. 1503; Jan. 16.
DRILLS, motor-driven sentitive; 10, Mare Island and Puget Sound. Sch. 1513; Jan. 16.
VALVE OUTFITS, valve-reseating globe; 34, Mare Island. Sch. 1515; Jan. 16.
GRINDERS, electric; 9, Mare Island; 12, Puget Sound. Sch. 1516; Jan. 16.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials, as follows:

BOLTS, brass machine bolts and nuts; 2400, Puget Sound. 43,200 machine steel bolts and nuts and 1530 lbs. brass nuts, Puget Sound. Sch. 1488; Jan. 9.
HOSE, bronze steam; 2750 ft., Mare Island. Sch. 1483; Jan. 9.
STEEL, corrosion resisting bar and sheet; Mare Island. Sch. 1482; Jan. 9.
FUEL OIL, bunker "B", as required during the month of February; West Coast. Sch. 1505; Jan. 12.
TREADS, metallic-ladder; 150, San Diego; 700 Mare Island; 124, San Diego; 380, Mare Island. Sch. 1511 Jan. 16.
STONES, sharpening: Eastern and Western Yards. Sch. 1514; Jan. 16.

BREMERTON, Wash.—Until January 31, 1934, bids will be received by Supply Officer, Puget Sound Navy Yard, Bremerton, for furnishing 12,000 pieces Diatomaceous earth, block, 1-in. thick, 6-in. wide, 36-in. long.

SAN FRANCISCO—Bids will be received by the Purchasing Officer, 12th Naval District, 100 Harrison St., San Francisco, as follows:

PUMP, centrifugal, f.o.b. Yerba Buena Island. Sch. 9883; Jan. 9.
LUMBER, hardwood, mahogany; 2000 ft., Mare Island. Sch. 9768; Jan. 9.
CABLE, electric, 3-conductor stranded copper; 2000 ft. Sch. 9857; Jan. 10.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

HANDLES for No. 2 long handle shovel; 36 doz. Bid 663; Jan. 8.

IRONS, furnishing materials and casting branding irons USFS, with handles; 150. Bid 666; Jan. 8.

PADLOCKS, cast bronze, 1¾-in. by 15/16-in., 5 pin tumblers, bronze shackles, with bronze sash chain, 9-in. long; 500. Bid 672; Jan. 8.

KEYS, for above locks; 500. Bid 672; Jan. 8.

ENGINE, 6-cylinder gasoline, (A) f.o.b. Govt. Island; (B) f.o.b. bidder's shipping point. Bid 665; Jan. 10.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Jan. 15, 3 P. M., bids will be received by T. A. Brooks, Purchasing Agent, Room 270, City Hall, as follows:

RAIL, spikes and track bolts for Municipal Railway. Bid No. 1135.

RAIL, special work (track crossing) for Municipal Railway. Bid No. 1136.

TIES, No. 1 redwood cross; 10,122 for Municipal Railway. Bid No. 1137.

Specifications obtainable from the above office.

MENDOCINO COUNTY, Calif.—On January 9, 2 P. M., a public auction will be held at the east entrance of the Court House, Ukiah, for the sale of a Marion steam shovel.
H. M. Burke, clerk.

WAR DEPARTMENT

FORT MASON, San Francisco—Until January 9, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General depot, Fort Mason, under Req. QM 671-102-34, for furnishing six cold storage freezer doors as follows:

(1) 2 left hand track type;
(2) 1 right hand track type;
(3) 3 right hand standard (non-track type).

Specifications obtainable from the above office.

SACRAMENTO, Cal.—Until January 8, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Rm. 268, Post Office Bldg., Sacramento, under Order No. 6021/HMR, as follows:

(1) 16-ga. corru. galv. iron culvert pipe, 8-in. in diameter as follows:
14 ft. in length, 1 each.
16-ft. in length, 2 each.
22-ft. in length, 1 each.
24-ft. in length, 1 each.
(2) 18-in. drop inlet; 1.
(3) Band couplers, 8-in. diameter, to fit pipe under item 1; 5.
(4) Elbow, 30° from straight, 18-in. long; 1.

Delivery f.o.b. U. S. Engineers, Marysville. Specifications obtainable from above office.

FORT MASON, Cal.—Until January 12, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 928-3066-34, Memo. 3079, for the following:

Boiler compound, kerosene, nails, flint paper, machine bolts, pipe fittings, brass nipples, steel niples, galvanized pipe straps, faucets, screws, green chrome.

MENDOCINO COUNTY

MENDOCINO COUNTY, Cal.—Until January 9, 3 P. M., bids will be received by the Mendocino county board of supervisors, Court House, Ukiah, for furnishing and delivering fuel oil to Mendocino county for one year, January 1, 1934 to Jan. 1, 1935.
H. M. Burke, clerk.

CANAL ZONE

Until January 12, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2929, for the following: Galvanized steel sheets, Stainless steel plates, Black steel, sheets, steel bars, Sheet brass, Sheet copper, Copper-covered steel tubing, Condenser tubes, Wire rope, Metal traffic signs, Coil chain, Nails, Foundry pig iron, Antifriction metal, Sheet lead, Solder, hose, Asphalt-saturated rag felt, White enamel, Ethyl alcohol, Carbon bisulphide, Creosote oil, Quicklime, Asphalt cement, White Portland cement, Unsensitized blueprint paper and Lumber (White Maple and Cypress).

Drawings, specifications, etc., obtainable from above office, and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE — Until January 19, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2930, for the following: Fire alarm system; electric water heaters, electric ranges, switchboards and motor generator sets, paving brick, bridge-truck driver wheel, automobile tires, crushed alumina sulphate, anhydrous ammonia and white oak timbers.

Drawings and specifications obtainable from above office and from the Purchasing Officer, The Panama Canal Assistant, Fort Mason, San Francisco.

SAN FRANCISCO CITY

SAN FRANCISCO—Until January 12, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing 30,000 redwood ties for Hetch Hetchy Project, under Invitation Bid. No. 1139. Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

LINCOLN COUNTY, Oregon.—Tom Lillebo, Reedsport, at $35,206 awarded contract by State Highway Commission, Portland, for constructing 4 bridges between Kernville and Toledo on Siletz Highway, Lincoln County.

F. C. Dillard submitted the only other bid at $40,511.

21

POLK COUNTY, Oregon.—Parker-Schram Co., Couch Bldg., Portland, at $15,482 awarded contract by State Highway Commission, Portland, for constructing bridges over Rickreall Creek and Oak Point Creek on Independence Highway, Polk County. Complete bids follow:

Parker-Schram Co.	$15,482
Northwest Roads	16,006
Sig Ash	16,077
Lindstrom & Feigenson	16,097
Johnson & Pierce	16,417
J. F. Johnston	16,667
Mountain States Const. Co.	16,864
Settergren Bros.	17,234
Portland Bridge Co.	17,669
Berkemeier & Saramel	17,743

HARNEY COUNTY, Ore. — Curtis Gardner, Portland, at $10,920 awarded contract by the State Highway Commission, Portland, for constructing bridges over Malheur River and Stinkingwater Creek, Central Oregon Highway, near Drewsey, Harney Co.

Complete bids follow:

Curtis Gardner	$10,920
Joplin & Eldon	11,174
Oregon & Washington Bridge	11,318
Sawmill Engr. & Const. Co.	12,440

WASHINGTON CO., Ore.—Johnson & Pierce, Portland, at $9,070 submitted low bid to State Highway Commission, Portland, for constructing railroad bridge over Nehalem Highway near Buxton, Washington County. Complete bids follow:

Johnson & Pierce	$ 9,070
Shattuck & Neland	9,580
J. F. Johnston	10,045
Kuckenberg - Wittman	10,472
Berkemeier & Saramel	10,920

All bids held under advisement.

COLUMBIA COUNTY, Ore.—Lindstrom & Feigenson, 7923 NE Halsey, Portland, at $21,404 awarded contract by State Highway Commission, Portland for constructing bridge over the Clatskanie River, Columbia County. The other bids were:

Kuckenberg-Wittman	$24,673
Gilpin Const. Co.	24,978

LOS ANGELES, Cal.—Until January 24, 2 P. M., bids will be received by State Highway Commission, Sacramento, for construction of a bridge across Ramona Boulevard at Marengo Street in the City of Los Angeles, consisting of two reinforced concrete girdera spans approximately fifty-two feet and sixty feet in length respectively, on reinforced concrete abutments and piers in Los Angeles County, involving:

(1) Remove and dispose of portions of exist. bridge;
(2) 6600 cu. yds. rdwy. excav. unclass;
(3) 1350 cu. yds. struc. excav.;
(4) 1500 cu. yds. Class A Portland cement concrete structures;
(5) 10 cu. yds. Class C Portland cem. concrete;
(6) 22 cu. yds. Class E Port. cement conc. railings;
(7) 211,000 lbs. bar reinf. steel;
(8) 100 tons asph. concrete type A surface;
(9) 1 lot lighting equipment.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BENTON COUNTY, Ore.—Sig Ash, Medford, at $7,907 awarded contract by the State Highway Commission, Portland, for constructing a bridge over the south fork of the Alsea river on Alsea-Deadwood Highway, Benton County. The other bids were:

A. G. Enright	$8,070
J. F. Johnson	8,705

LOS ANGELES, Cal.—Los Angeles county supervisors rejected all but the low bid received December 18 for construction of a reinforced concrete bridge over the spillway at San Gabriel Dam No. 2. John Oberg, 3740 E 8th St., Los Angeles, submitted low bid at $13,637.70.

MARION COUNTY, Ore. — Settergren Bros., Portland, at $6,840 were awarded contract by the Oregon State Highway Commission, Portland, for construction of bridge over North Mill Creek on Pacific Highway in Salem, National Recovery Project No. NRM 176-B, in Marion County.

Complete bids follow:

Settergren Bros., Portland	$6,840.00
Northwest Roads Co., Portland	7,320.00
Birkemeier & Saremal, Portland	7,865.80

R. H. Baldock, state highway engineer.

COMPLETE BID LISTING

CLARK COUNTY, Nevada.—Dodge Const. Co., Fallon, at $20,620.50 was awarded contract (as previously reported) by Department of Highways, Carson City, for constructing an overhead crossing at Moapa, Clark Co.

Complete bids follow:

(A) Dodge Const. Co., Inc., Fallon, $20,620.50.
(B) James J. Burek & Co., Salt Lake City, $23,989.10.
(C) Engineer's estimate, $21,815.10.

Quantities follow:

(1) 800 cu. yds. rdwy. excav.;
(2) 290 sta. yd. overhaul;
(3) 9623 cu. yds. select borrow;
(4) 290 cu. yds. structure excav.;
(5) 120 cu. yds. Class A concrete;
(6) 1 cu. yd. Class B concrete;
(7) 175 cu. yds. Class D concrete;
(8) 32,500 lbs. struc. steel;
(9) 57,000 lbs. reinf. steel;
(10) 54 lin. ft. 24-in. CMP;
(11) 0.340 mi. subgrade;
(12) 800 cu. yds. crushed gravel or stone surface;
(13) 8 each monuments;
(14) 0.36 mi. finish rdwy.

Unit prices were:

	(A)	(B)	(C)
(1)	$ .50	$ .45	$ .50
(2)	.05	.03	.05
(3)	.50	.80	.70
(4)	1.00	1.50	1.75
(5)	20.00	26.00	23.00
(6)	30.00	26.00	50.00
(7)	27.50	27.00	24.50
(8)	.07	.07	.07
(9)	.06	.06	.055
(10)	3.50	3.00	3.00
(11)	400.00	200.00	200.00
(12)	1.25	1.30	1.00
(13)	4.00	3.00	5.00
(14)	1000.00	200.00	200.00

LOS ANGELES COUNTY, Cal.—H. M. Baruch Corp., Ltd., 625 S Olive St., Los Angeles, at $130,438.20 submitted the only bid to the State Highway Commission, Sacramento, for the construction of a reinforced concrete bridge on Sunset Blvd. acros Glendale Blvd. in Los Angeles, consisting of a filled arch having a clear span of 90 ft. The quantities were:

(1) 1 only existing bridge to be removed and disposed of;
(2) 6,000 cu. yds. struc. excav.;
(3) 720 cu. yds. sand fill;
(4) 3,510 cu. yds. Class A Port. cem. concrete struc.;
(5) 200 cu. yds. Class C Port. cem. concrete;
(6) 30 cu. yds. Class A Port. cem. concrete sidewalks;
(7) 34 cu. yds. Class A Port. cement concrete curbs and gutters;
(8) 22 cu. yds. Class E Port. cem. concrete ornamental railing;
(9) 1 lot ornamental iron railing;
(10) 808,000 lbs. bar reinf. steel;
(11) 1 lot lighting equipment;
(12) 730 tons asphalt concrete;
(13) 11,560 lin. ft. reinf. conc. piles.

(1)	$5000.00
(2)	2.50
(3)	1.35
(4)	15.00
(5)	5.70
(6)	8.00
(7)	11.00
(8)	40.00
(9)	800.00
(10)	.037
(11)	1200.00
(12)	2.50
(13)	1.77

SONOMA and Mendocino Counties, Cal.—Directors of Joint Highway District No. 19 plans to award segregated contractos for principal items of labor and material required for construction of the Monte Rio bridge.

Bids received December 8 on a general contract for construction of the bridge were rejected because they all exceeded the appropriation.

Separate contracts are to be let for (1) reinforced steel (2) structural steel in place (3) piling, excavation and concrete.

H. A. Postelthwaite, 58 Sutter St.,

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

San Francisco, said awards probably will be announced this week.

Construction of the bridge will be supervised by J. B. Piatt, district engineer, Dougherty-Shea Bldg., Santa Rosa.

ALPINE COUNTY, Cal.—Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for constructing a bridge across east Carson River, 2 miles south of Markleeville, Alpine County, consisting of one 40-ft. steel stringer span and six 19 ft. timber spans on concrete and timber bents. The work involves:

(1) 1500 cu. yds. rdwy. excav. unclass.;
(2) 120 cu. yds. struc. excav.;
(3) 1 only detour bridge;
(4) 1 only existing bridge to be removed and disposed of;
(5) 20 cu. yds. Class A Port. cem. concrete footing blocks;
(6) 210 cu. yds. Class A Port. cem. concrete structure;
(7) 20 cu. yds. Class B Port. cem. concrete;
(8) 20,000 lbs. bar reinf. steel;
(9) 25,000 lbs. struc. steel;
(10) 135 lbs. cast steel;
(11) 24 M.F.B.M. redwood timber dense allheart structural grade;
(12) 12 M. F. B. M. do;
(13) 1 lot miscellaneous items of work

Plans and specifications obtainable from above office and on file at the office of the District Engineers at Los Angeles and San Francisco and at the district in which the work is located.

MARION COUNTY, Ore.—Oregon-Washington Bridge Co. Toledo, Washington, at $21,095.13 submitted low bid to Oregon State Highway Commission, Portland, for construction of bridge over Abiqua River on Cascade Secondary Highway near Silverton, National Recovery Project No. NRS 226 in Marion County.

Complete bids follow:

Oregon - Washington Bridge Co., Toledo	$21,095.13
Northwest Roads Co., Portland	21,540.00
Mountain States Const. Co., Eugene	21,994.75
Theo. Arenz, Portland	23,762.00
Parker - Schram, Portland	24,337.20
Lindstrom and Feigenson, Portland	24,811.50
Birkemeier & Saremal, Portland	24,916.75
Kuckenberg - Wittman Co., Portland	28,626.50

R. H. Baldock, state highway engineer.

MARION COUNTY, Oregon—Birkemeier & Sarmal, Portland at $19,845.50 submitted low bid to Oregon State Highway Commission, Portland, for construction of a bridge over Butte Creek on Woodburn-Mt. Hood Secondary Highway near Woodburn, National Recovery Project No. NRS 225 in Marion County.

Complete bids follow:

Birkemeier & Saremal, Portland	$19,845.50
Mountain States Const. Co., Eugene	20,410.00
Johnson & Pearce, Portland	20,935.50
Parker - Schram, Portland	21,635.75
A. T. Dolan, Tillamook	22,028.00
Theo. Arenz, Portland	22,150.00
Northwest Roads Co., Portland	22,263.25
F. C. Dillard, Medford	22,411.50
Lindstrom and Feigenson, Portland	23,976.50
Kuckenberg - Wittman Co., Portland	24,130.50

R. H. Baldock, state highway engineer.

22—DREDGING HARBOR WORKS EXCAVATION

SEATTLE, Wash. — Puget Sound Bridge & Dredging Co., 2929 16th SW, Seattle, at $73,333 submitted low bid to the U. S. Engineer Office, Federal Bldg., Seattle, for removing approximately 550,000 cu. yds. of material from the Willapa River. The other bids were:

General Construction Co., Seattle. $74,800.
Tacoma Dredging Co., Tacoma $82,000
Engineer's Estimate, $62,127.

The bids were forwarded to Washington, D. C., for award.

SACRAMENTO, Calif.—Sacramento Chamber of Commerce will ask Federal assistance for development of a yacht harbor on the Sacramento river estimated to cost $200,000.

It is planned to obtain permission for use of CWA labor on the project. C. M. Coffing, president of the chamber.

PEARL HARBOR, T. H.—Hawaiian Dredging Co., Honolulu, at $2,800,000 awarded contract by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for dredging 2,900,000 cu. yds. at Pearl Harbor. Spec. 7337.

SEATTLE, Wash.—Until January 11, 10 A. M., bids will be received by the Seattle Board of Public Works for the construction of a seawall and improvement of Railroad Avenue.

The Board announced that contractors will be permitted to submit a bond of 50% of the contract price instead of 100%, as previously required, and to submit a property bond instead of a surety bond.

General Construction Co., 3840 Iowa St., Seattle, at $1,516,131 submitted low bid December 21, which has been rejected as excessive.

SUTTER COUNTY, Cal. — Haas, Doughty & Jones, 1104 Merchants Exchange Bldg., San Francisco, at $29,943.90 ($0.1029 per c. y.) submitted low bid to the U. S. Engineer Office, Sacramento, for raising and strengthening an existing levee on the Feather River, Sutter County, involving approximately 291,000 cu. yds. of earth. The levee is approximately 8.1 miles long. Complete bids follow. (1) per cu. yd; (2) total:

Haas, Doughty & Jones, San Francisco, (1) $.1029; (2) $29,943.90.
Delta Dredging Co., Pittsburg, (1) $.114; (2) $33,174.
D. McDonald, Sacramento (1) $.125; (2) $36,375.
Wm. Swinyer Co., Pasadena, (1) $.133 (2) $38,703.
Larsen Bros., Sacramento ,(1) $.1495; (2) $43,504.50.
Hemstreet & Bell, Marysville, (1) $.17; (2) $49,470.
Harms Bros., Sacramento, (1) $.178; (2) $51,798.
Engineer's Estimate (1) $.1728.

24—STREET LIGHTING SYSTEM

ANAHEIM, Cal.—Bids for furnishing materials and reconstructing the municipal lighting system were received by the Anaheim city council Dec. 26 from the following firms:

Graybar Electric Co., John A. Roeblings Sons Co., Henry Adams Lumber Co., Gibbs Lumber Co., Graham Reynolds, General Electric Supply Co., General Cable Corp., Listenwalter & Gough, Pacific Clay Products Co., Westinghouse Elec. Supply Co., Columbia Steel Corp., Anaconda Wire & Cable Co., Simplex Wire & Cable Co., Okonite-Callander Co., General Elec. Co., J. H. Baxter Co.

Irregular bids from: Greatwest Elec. Co., Pacific Pan and Piling Co., Myers Electric Supply Co., Western Light & Fixture Co.

25—MACHINERY AND EQUIPMENT

MARE ISLAND, Cal.—Lakeside Bridge & Steel Co., Milwaukee, Wis., at $46,454 awarded contract by Navy Department, Bureau of Yards and Docks, Washington, D. C., under Spec. No. 7540 for two 10-ton hammerhead cranes at the Navy Yard, Mare Island.

SAN FRANCISCO.—U. S. L. Battery Corp., by Welding Engineering Co., 334 Van Ness Ave. South, at $1,383.25 each, submitted low bid to the U. S. Forest Service, 85 Second St., for furnishing two 300-ampere one-arc gasoline-driven welders. Complete bids follow:

U. S. L. Battery Corp.	$1383.25
Roberts-Moore Co.	1398.55
Kratz & McClelland	1417.00
Harron, Rickard & McCone	1425.50
Jenisen Machinery Co.	1428.33
Lincoln Electric Co.	1540.00
" accessories	62.00
Air-Reduction Sales Co.	1657.60
General Electric Co.	1708.20
Edw. R. Bacon Co.	1708.20

All bids held under advisement.

BOULDER CANYON, Nevada—Bids for furnishing generator-voltage oil-circuit breakers for Boulder Power Plant were opened by the Bureau of Reclamation, Denver, Dec. 15. The bids were:

Allis-Chalmers Mfg. Co., Item (1) (a) $321,500, (b) $321,500; Item (2) (a) (b) no bids; Item (3) (a) $18,750, (b) $18,750; Item (4) (a) (b) no bids; Item (5) services of engineer and mechanic, $25 and $20 per day.

General Electric Co., (a) $329,750, (b) $329,750; (a) $329,750, (b) $329,750; (a) $19,250, (b) $19,250; (a) $19,250, (b) $19,250; Item (5) $25 and $20.

Westinghouse Elec. & Mfg. Co., (a) $331,510, (b) $331,510; (a) $331,510, (b) $331,510; (a) $19,390, (b) $19,390; (a) $19,390, (b) $19,390; Item (5) $25, $20.

SAN DIEGO, Cal.—Five identical bids at $2766.71 plus tax, and 2% discount 30 days, were submitted to the State Purchasing Agent, Sacramento, for one 35 hp. tracklaying tpye tractor, f.o.b. San Diego. Requisition No. 233, December 23. The bids were:

Smith-Booth-Usher Co., Cletrac "35".
J. D. Adams Co., McC. D TA 40.
San Diego Tractor & Equipment Co., Caterpillar 35.
Hulse-Anderson Tractor & Equipment Co., Caterpillar 35.
Contractors Equipment & Machinery Co., Allis-Chalmer Mod K.
All bids less 2% 30 days.

SAN DIEGO, Cal.—J. D. Adams Co. care of Bevis Machinery Co., Los Angeles, awarded contract by the State Purchasing Agent for furnishing an Adams tractor for Shop No. 11, San Diego; Req. No. 107.

OAKLAND, Calif.—L. F. Grimsley, Inc., I S Aurora St., Stockton, at $3,831.50; trade in $550; net, $3281.50, 2% 10 days, submitted low bid to the East Bay Municipal Utility District for furnishing one 3-cylinder, 35 minimum h.p. tracklaying tractor. Cochrane & Celli, 417 6th St., Oakland, at $1213.96 submitted low bid for furnishing one 4-wheel low bed trailer. Complete bids follow:

TRACTOR

L. F. Grimsley, Stockton, $3831.50;

trade in, $550; net, $3281.50 2% 10 days.
Caterpillar Tractor Co., San Leandro $3869.87; $250; $3609.87 net.
Robinson Tractor Co. Oakland, $3858.-92; $410; $3448.92, subject to $73 discount.
J. D. Adams Co., San Francisco, $4,-087.50; $150; $3937.50 2% 30 days.

TRAILER

Cochrane & Celli, Oakland..... $1213.96
Utility Trailer Sales Co., S. F. 1275.00
Reliant Trailer & Truck, Inc., S. F., less 2% 10 days..... 1285.00
N. K. Davis. S. F., less 1% 10 days 1327.00
Kratz & McClelland, S. F., less 2% 14 days 1349.00
Wieland Equip. Co., Berkeley, used equipment 990.00

SACRAMENTO, Cal.—Bids for furnishing three 8-foot leaning-wheel graders, with scarifier attachment, f.o.b. San Diego, Req. No. 232, were opened by the State Purchasing Agent, Sacramento, December 23. The bids were:

Associated Equipment Co.—Rome No. 8 W-13T scarifier ½-in. mould board, $1343 each; total, $4029. Heavy type with ⅝-in. mould board, $1503; total, $4509.
Smith- Booth-Usher—Gallen EZ lift, $1353; $4059.
J. D. Adams Co.—No. 83 Adams High lift, $1353; $4059.
Concrete Machinery & Supply Co.—Austin No. 8LP13T, scarifier, $1418; $4254.
San Diego Tractor & Equipment Co.—Caterpillar No. 33, $1460; $4380.
Hulse-Andersen Tractor & Equipment Co. — Caterpillar No. 33, $1460; $4380.

All bids 2%, 30 days.

26— RAILROADS

BONNEVILLE, Oregon.—Clifton & Applegate, Hutton Bldg., Spokane, at $40,340 submitted low bid (as previously reported) to U. S. Engineer Office, Portland, for relocating and reconstructing a portion of O.-W. R. & N. Co.'s tracks and operating facilities in its station grounds in Bonneville, under Bid No. 34-319.

Complete bids follow:

Clifton and Applegate, Spokane $40,340.00
Shanahan Bros., Portland 43,224.00
P. L. Crooks Co., Portland..... 49,695.00
O. T. Malcon, Portland 50,666.75
Kern & Kibbe, Portland..... 50,798.75

30—RESERVOIRS & DAMS

BONNEVILLE, Ore.—Diamond Drill Contracting Co., Spokane, at $20,150 submitted low bid to U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-341 for exploration drilling at Ruckel Slide between Cascade Locks and Eagle Creek.

Complete bids follow:

Diamond Drill Cont. Co., Spokane $20,150
Lunch Bros., Seattle..... 25,280
Mitchell Diamond Drill, Spokans 26,350
Cannon Bros., Compton, Cal..... 39,360

LOS ANGELES, Cal.—Until January 30, 11 A. M., bids will be received by the Metropolitan Water District of Southern California, 306 W. Third St., Los Angeles, for constructing the East Eagle Mountain Tunnel and appurtenant works of the Colorado River Aqueduct. The East Eagle Mountain Tunnel is located in the Eagle Mountains about 43 miles east from Indio in Riverside County. The work to be bid upon consists of the excavating and lining of a 16-ft. diameter water supply tunnel, approximately 1.79 miles in length.

Specifications may be obtained from the office of the engineer, Room 1007, 306 W. Third St., Los Angeles, on and after Deecember 30 upon payment of $5 per set, not returnable. Certified or cashier's chack, $50,000. F. E. Weymouth, General Manager and Chief Engineer.

LOS ANGELES, Cal.—Until January 30, 11 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for constructing Schedules 7 and 8, Coachella Tunnels, and appurtenant works of the Colorado River Aqueduct. The work is located in the Little San Bernardino Mountains, approximately 12 miles northwest of Indio, and consists of excavating and lining 7.1 miles of horseshoe section water supply tunnel of 16-ft. interior diameter. The approximate length of tunnel to be constructed under Schedules 7 and 8 and 3.14 and 3.96 miles, respectively.

Specifications may be obtained on and after January 2 from the office of the engineer, Room 1007, 306 W. Third St., Los Angeles, upon payment of $5 per set, not returnable. Certified check or cashier's check for $100,000 for each schedule upon which a bid is submitted. F. E. Weymouth, General Manager and Chief Engineer.

31—PIPE LINES & WELLS

NAPA, Cal. — O. J. Pearson, 88 Franklin St., Napa, at $2727.50 (well drilling) and $75 (testing well) submitted low bid to Department of Public Works, Sacramento, for drilling and testing a water well at the Napa State Hospital. Following bids received

(1) well drilling; (2) testing well.
O. J. Person, Napa, (1) $2727.50; (2) $75.
Western Well Drilling Co., San Jose, (1) $3175; (2) $150.
R. L. Norris, Sacramento, (1) $3430; (2) $250.

Bids held under advisement.

31

ALAMEDA COUNTY, Cal.—W. A. Bechtel Co., 155 Sansome St., San Francisco, at $223,623 (Proposal A) awarded contract by the San Francisco Public Utilities Commission, City Hall, San Francisco, for construction of a 44-in. diameter welded steel pipeline from Calaveras Dam, about 8½ miles southerly from the town of Sunol, Alameda County, to the Alameda Creek Siphon, on the Hetch Hetchy Aqueduct, a distance of approximately 30,000 ft. Proposal A calls for a tunnel approximately 1060 ft. long on grade of 6.7%.

SUNNYVALE, Cal.—Harold E. Martin, 663 S. Ninth St., San Jose, at $2450 submitted low bid to the Sunnyvale City Council for drilling a well 900 ft. deep, the city to furnish the casing. Complete bids follow:

Harold E. Martin, San Jose.... $2450.00
E. J. Mattocks, San Jose..... 2532.50
J. F. Hawthorne, San Jose..... 2937.50
San Jose Well & Pump Works, San Jose 3115.00

The City is to furnish the casing in each of the above bids. San Jose Well & Pump Works submitted a bid at $5225 including the furnishing of the casing.

All bids held under advisement until January 15, at which time the City Council will meet and make the award. H. N. Bishop, City Engineer.

LONG BEACH, Calif.—Application has been made by Southern Counties Gas Co. for the War Department permission to install a submerged 6⅝-in. O. D. steel gas pipe across Cerritos Channel at a depth of at least 35.5 ft. below mean lower low water 62 ft. east of the center line of Badger Avenue bridge in the city of Long Beach.

Map showing location of the proposed work will be on exhibition in the office of the U. S. Engineer, 751 S Figueroa St., Los Angeles, until 11 A. M., Monday, January 8, 1934. V. L. Peterson, Lieut.-Colonel, Corps of Engineers, District Engineer.

ALAMEDA, Alameda Co., Calif.—Fairbanks Morse Co., Spear and Harrison Sts., San Francisco, at $1,086 (net) submitted low bid to Alameda city council to furnish and install one 10-hp. deep well turbine pump, 50-60 gallons p. m. capacity, and one 1000-gallon hydro-pneumatic steel tank at Franklin Park, Alameda. Complete bids follow:

Fairbanks Morse, S. F.....$1,086.00*
Byron Jackson, Berkeley 1,258.00**
E. J. Goyette Machine W'ks Oakland 1,323.27*
Robt. Garcia, Palo Alto..... 1,330.04**
Western Pump Co. San Jose 1,455.90**
Herman Lawson, S. F..... 1,484.00**
Woodin & Little, S. F..... 1,485.00*
John Bean Mfg. Co., S. F... 1,493.25**
Centerville Elec. & Pump Co. Centerville 1,524.80*
Simonds Mchy. Co., S. F..... 1,721.00**

*net; **plus tax.

All bids held under advisement until January 16.

33— WATERWORKS

INGLEWOOD, Cal.—Bids for furnishing welded steel pipe, dipped and wrapped, ¼-in. shell, for use in constructing a line from the lower pump plant to the upper reservoir were received by the Inglewood City Council, December 26. The items are:

(1) 3340 ft. 24-in. welded steel pipe; (or as an alternate);
(2) 3340 ft. 25½-in. I. D. electrically welded steel pipe;

AND FITTINGS AS FOLLOWS:

(3) 1 24-in. special bend, 36½ degree deflection;
(4) 1 24-in. special bend, 57 degree deflection;
(5) 1 24-in. special bend, 53 degree deflection;
(6) 1 29x24-in. long radius welded tee
(7) 1 24x24-in. welded tee;
(8) 1 24x12-in. welded tee;
(9) 1 24x 8-in. welded tee;
(10) 1 24x12-in. welded cross (or as alternate);

Fittings as above for 25½-in. I. D. fittings.

Furnishing services of construction foreman ($8 per diem).

Complete bids follow:

Western Pipe & Steel Co. (1) $2.75; (2) $2.85; (3) $39.50; (4) $47; (5) $47; (6) $70; (7) $70; (8) $52; (9) $52; (10) $52.
Consolidated Steel Corp. (1) $2.87; (2) no bid; (3) $45; (4) $50; (5) $50; (6) $80; (7) $75; (8) $60; (9) $55 (10) $80.

The bids were taken under advisement for two weeks.

CHICO, Butte Co., Cal.—The California Water Service Co. plan to expend $10,000 in improvements to water system in Chico, providing better fire protection and supplying adequate water in various sections of the city.

29—STREETS AND HIGHWAYS

ARIZONA STATE—Until January 12, 2 P. M., bids will be received by the Arizona State Highway Commission. T. S. O'Connell, State Highway Engineer, Phoenix, Ariz., for highway construction on N.R.H. 99-F, Globe-Showlow-A.F.E. 6019. The work, which begins about ½ miles northeast of the Salt River Bridge and extends northeasterly approximately 3 miles, consists of grading and draining, and

is to be completed on or before Sept. 30, 1934. The principal items of work are as follows:
(1) 250,000 cu. yds. roadway excav.;
(2) 1800 cu. yds. struc. excav.
(3) 24,000 cu. yds. other grading items
(4) 100 cu. yds. concrete;
(5) 3066 lin. ft. CMP (various sizes);
(6) 11,200 lin. ft. road guard (either cable or steel plate).

Funds have been programmed for the construction of this project in the amount of $200,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

Plans and specifications obtainable from above office.

CHELAN COUNTY, Wash. — Fred G. Redmon, Yakima, Wash., at $87,-573 submitted low bid to U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, Oregon, for surfacing and applying oil rock and constructing guard rail on Sunset Highway Project NR-9-A6, National Forest Road Project, located within the Wenatchee National Forest, Chelan County, Wash. Complete bids follow:
Fred G. Redmon, Yakima, Wash., $87,-573.
Homer G. Johnson, Portland, Ore., $103,000.
G. D. Lyons, Spokane, $111,290.
A. Milne, Portland, $112,957.
Romano Engineering Corp., Seattle, $122,252.
Elliott & Co., Seattle, $169,497.

BENTON COUNTY, Ore. — United Contracting Co., Stock Exch. Bldg., Portland, at $16,364 awarded contract by the State Highway Commission, Portland, for paving Corvallis Section of Corvallis - Newport Highway, Benton County. The other bids were:

Saxton & Looney	$16,716
A. T. Dolan	16,859

CLACKAMAS CO., Ore.—Northwest Roads Co., Park Rose, Portland, at $34,836 submitted low bid to the State Highway Commission, Portland, for grading and paving 1.01 miles of the Canby-Molalla river section of Pacific Highway, Clackamas county. Complete bids follow:

Northwest Roads Co.	$34,836
Theo. Arenz	34,998
Edlefsen - Wygandt	36,965
Harold Blake	37,391
A. T. Dolan	39,910
E. C. Hall	40,907
United Contracting Co.	41,938
Parker - Schram	42,627

All bids held under advisement.

POLK COUNTY, Ore.—L. O. Herrold, Salem, at $133,156 awarded contract by State Highway Commission, Portland, for regrading and surfacing Brunk's Corner-West Salem Section of Salem-Dallas Highway, Polk Co.
Complete bids follow:

L. O. Herrold	$133,156
Guy F. Pyle	156,635
Newport Const. & Kern and Kibbee	182,379
Northwest Roads	189,797
J. C. Compton	194,382
A. Milne	175,908

MULTNOMAH COUNTY, Ore. — J. C. Compton, McMinnville, at $69,867 submitted low bid to State Highway Commission, Portland, for paving 2.43 miles of the Washington County Line-Bertha Section of Bertha-Beaverton Highway. Complete bids follow:

J. C. Compton	$69,867
Parker - Schram	71,236
Northwest Roads Co.	73,303
Harold Blake	73,866
United Contracting Co.	77,984

All bids held under advisement.

MARION COUNTY, Ore.—Fred H. Slate, 585 E 29th St., Portland, at $95,954 submitted low bid to the State Highway Commission, Portland, for grading 4.24 miles of the Mill City-Gates Section of the North Santiam Highway in Marion County. C. T. Malcom submitted the only other bid at $108,974.

Bids held under advisement.

CHELAN COUNTY, Wash.—Until January 11, 10 A. M., bids will be received by W. H. Lynch, District Engineer, U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, Oregon, for grading 3.008 mi. of Stevens Pass Highway Project, NR-8-A3, National Forest Road Project, located within the Wenatchee National Forest, County of Chelan, Washington, involving:
(1) 40 acres clearing;
(2) 30 acres grubbing;
(3) 193,650 cu. yds. unclass. excav.;
(4) 215,000 sta. yds. overhaul;
(5) 3.008 mi. finish earth graded road
(6) 6000 cu. yd. mi. overhaul;
(7) 125 cu. yds. Class A concrete;
(8) 13,500 lbs. reinf. steel;
(9) 1124 lin. ft. reinf. conc. pipe;
(10) 1000 cu. yds. loose rip rap;
(11) All lump const. and maint. of detours;
(12) All lump channel cleaning;
(13) 5 acres roadside cleanup;
(14) 10,000 lin. ft. flatt. and round. cut slopes.

Plans and specifications obtainable from above office upon deposit of $10.

FLAGSTAFF, Ariz.—The city council has authorized the filing of an application with the Federal Public Works Administration for funds to finance a street oiling program.

LOS ANGELES COUNTY, Cal. — Byerts & Dunn, 7908 Santa Monica Blvd., Los Angeles, at $77,486 awarded contract by State Highway Commission, Sacramento, for grading and paving about 0.6 miles with Portland cement concrete in Los Angeles County between State St. and Fickett St. in the City of Los Angeles.

TULARE COUNTY, Cal.—The State Highway Commission, Sacramento, has cancelled a call for bids to have been opened January 17, as previously reported, for grading and paving with asphalt concrete about 8.1 miles between Visalia and Merryman in Tulare County. The projecet will be readvertised in the near future.

MADERA AND MARIPOSA COS., Cal.—Heafey-Moore Co., 344 High St., Oakland, at $172,289.20 awarded contract by the Bureau of Public Roads, San Francisco, for placing a crushed rock base course on Sections C and D, and bituminous surface treatment on Sections A, B, C, and D of Route 47, the Oakkhurst National Forest Highway, Sierra National Forest in Madera and Mariposa Counties.

GLENDALE, Los Angeles Co., Cal. —Geo. Mittry, 134 N Avenue 20, Los Angeles, submitted low bid at $25,-717.80 (Proposal 1) and at $25,394.80 (Proposal 2) to the Los Angeles County supervisors for constructing a concrete conduit on Verdugo Wash bet. Brand Blvd. and Pacific Ave., Glendale.

Other bidders were:
Bannister-Field Co., Ltd., (1) $28,-595.10; (2) $28,107.60.
Herbert M. Baruch Corp., Ltd., (1) $29,989.85; (2) $29,829.85.

LAS VEGAS, Nev.—The Las Vegas city council has authorized the city officials to apply to the Public Works Administration for funds to finance a municipal street paving program.

SAN FRANCISCO COUNTY, Calif. —Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for paving about 0.9 mile with asphalt concrete between Van Ness Avenue and Division St., in San Francisco County, involving:
(1) 55,000 sq. ft. street grading;
(2) 7,500 tons crusher run base rock fill;
(3) 19,100 sq. yds. remove asph. concrete;
(4) 19,100 sq. yds. asph. paint binder
(5) 6,820 tons asph. concrete;
(6) 1,070 cu. yds. Class A port. cem. conc. pave widening;
(7) 200 cu. yds. do. sidewalks and driveways;
(8) 100 cu. yds. Class C do, curb backfill;
(9) 23 tons emulsified asph. road oil;
(10) 60 tons screenings;
(11) 7,200 lin. ft. move and reset existing granite curb;
(12) 350 lin. ft. new granite curb tangent;
(13) 210 lin. ft. do, curved;
(14) 132 each move and reset side sewer traps;
(15) 184 lin. ft. 6-in. vit. clay pipe side sewer;
(16) 281 lin. ft. 12-in. vit. clay pipe encased in concrete sewer;
(17) 245 lin. ft. 18-in. do;
(18) 4,440 lin. ft. furnish untreated Douglas fir piles;
(19) 74 each drive timber piles;
(20) 10 each brick catchbasins raised to grade;
(21) 27 each move and reset brick catchbasins;
(22) 23 each brick manholes raised to grade;
(23) 2 each new brick manholes;
(24) 770 each traffic markers.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated. 29

LEWIS COUNTY, Wash. — Sam Orino, Spokane, Wash., at $135,355 awarded contract by U. S. Bureau of Public Roads, Portland, Oregon, for grading 2.3909 mi. of Stevens Canyon Project NR-4-E1. Mt. Rainier Nat'l. Park Road Project, in Lewis County.

KITTITAS AND YAKIMA COS., Wash.—James Coyle, Seattle, at $39,-156 (metal pipe) awarded conarct by U. S. Bureau of Public Roads, Portland, Oregon, for grading 8.123 mi. Litt Naches. Jungle Creek Section, Project NR-A1, Washington Forest Development Road located within Columbia National Forest, in Kittitas and Yakima Counties.

LANE COUNTY, Ore.—A. G. Enright, Eugene at $14,832.00 awarded contract by State Highway Commission, Portland, for paving Cottage Grove and Gregg Ranch Sections of the Pacific Highway in Lane County. 29

PIERCE COUNTY, Wash.—Colonial Building Co., 326 First St., Spokane, at $91,533.60 awarded contract by U. S. Bureau of Public Roads, Portland, for grading 0.933 mile of Stevens Canyon Road, Project NR-4-C1, Mt. Rainier National Park in Pierce County.

TULARE CO., Cal.—Hemstreet and Bell, 501 11th St., Marysville, at $89,-913 awarded contract by U. S. Bureau of Public Roads, San Francisco, for placing bituminous treated crushed rock base course on Sections C1, C2 ,D1 and D2 of Route 1. The General's Highway, Sequoia Nat'l Park in Tulare County.

RIVERSIDE and San Bernardino Counties, Cal.—Clyde W. Wood, Box 1435, Stockton, at $98,087.80 awarded contract by U. S. Bureau of Public Roads, San Francisco, for grading Section A of Federal Lands Highway Project No. 2, the Blythe - Needles Highway in Riverside and San Bernardino Counties.

APACHE and Navajo Cos., Ariz.—Everly & Allison, Albuquerque, N. M. at $82,269 submitted low bid to U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a crushed gravel base course on Sections A and B1 of Route 1, and all of Route 2, Petrified Forest National Monument, Apache and Navajo counties, Arizona.

Skousen Bros., Albuquerque, at $88-032.50 was second low bidder.

Engineer's estimate, $122,372.50.

MADERA COUNTY, Calif. — Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 4.1 miles between Hawkins School and Oakhurst in Madera county, involving:

(1) 36 acres clear and griub right of way;
(2) 240,000 cu. yds. rdwy. excav., unclassified;
(3) 1,100,000 sta. yds. overhaul;
(4) 2,317 cu. yds. struc. excav.;
(5) 115 cu. yds. Class A Port. cem. conc. struc.;
(6) 48 cu. yds. Class A Port. cement concrete timber trestle slab;
(7) 13,500 lbs. bar reinf. steel;
(8) 54 lin. ft. 12-in. CMP;
(9) 1,690 lin. ft. 18-in. CMP;
(10) 672 lin. ft. 24-in. CMP;
(11) 220 lin. ft. 30-in. CMP;
(12) 130 lin. ft. 36-in. CMP;
(13) 214 lin. ft. 48-in. CMP;
(14) 86 lin. ft. 8-in. perf. metal pipe underdrains;
(15) 30.57 M. ft. b.m. dense select all-heart struc. grade redwood timber;
(16) 49.43 MFBM sel. all-heart struc. grade redwood timber;
(17) 1,240 lin. ft. furnish creosoted Douglas fir piles;
(18) 52 each driving piles;
(19) 9,250 M. gals. water;
(20) 510 cu. yds. heavy riprap;
(21) 24,700 lbs. struc. steel;
(22) 0.2 mile existing property fence to be moved and reset;
(23) 8.1 miles new property fence;
(24) 25 each timber guide posts;
(26) 54 each timber culvert markers;
(27) 217 sta. finish rdwy.;
(28) 132 each monuments complete in place.

Plans and specifications obtainable at above office, and are on file at the office of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

SAN FRANCISCO.—Until Jan. 24, 2 P. M., bids will be received by State Highway Commission at Sacramento, for grading and paving about 0.7 mile with Portland cement concrete and asphalt concrete on Bryant Street between 5th and 10th Sts., in San Francisco, involving:

(1) 5,600 tons crushed run base;
(2) 13,000 sq. yds. asph. paint binder
(3) 5,400 tons asph. concrete;
(4) 1,100 cu. yds. Class A Portland cem. conc. pave.;
(5) 114 cu. yds. do, sidewalks;
(6) 290 cu. yds. Class B do, curb backing;
(7) 515 cu. yds. remove existing sidewalks;
(8) 5,940 lin. ft. remove, redress and reset stone curbs;
(9) 200 lin. ft. furnish and place new stone curbs tangent;
(10) 900 lin. ft. do, circular;
(11) 12,000 sq. ft. remove and reset basalt block pavement;
(12) 80 each remove and reset side sewer traps;
(13) 58 each remove and reconstruct brick catchbasins;
(14) 1 only new brick catchbasin;
(15) 17 each remove and reset manhole frames and covers;
(16) 10 each new brick manholes on piles;
(17) 1,450 lin. ft. 6-in. vit. clay pipe side sewer;
(18) 860 lin. ft. 12-in. vit. clay pipe sewer encased in concrete;
(19) 240 lin. ft. 18-in. do;
(20) 420 lin. ft. 21-in. do;
(21) 24 each 12x6-in. wye branches in place;
(22) 7 each 18x6-in. do;
(23) 11 each 21x6-in. do;
(24) 18,440 lin. ft. furnish untreated Douglas fir piles;
(25) 214 each drive Douglas fir piles;
(26) 300 each cross walk markers.

Plans and specifications obtainable at above office, and are on file at the office of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

SAN DIEGO COUNTY, Cal.—Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 10.2 miles in San Diego County, bet. Encinitas and Oceanside. The work involves:

(1) 80 trees to be removed and disposed of;
(2) 135,100 cu. yds. rdwy. excav. unclass.;
(3) 63,000 cu. yds. imported borrow;
(4) 1590 cu. yds. selected material;
(5) 837,000 sta. yds. overhaul;
(6) 1070 cu. yds. struc. excav.;
(7) 84,500 sq. yds. subgrade for pave.
(8) 72,000 sq. yds. asph. paint binder
(9) 64,200 tons asph. concrete;
(10) 450 cu. yds. Class A Portland cement conc. strucs., sidewalks and curbs;
(11) 4200 lbs. mar reinf. steel strucs.;
(12) 1500 tons crusher run base;
(13) 546 lin. ft. 8-in. C.M.U.;
(14) 152 lin. ft. 12-in. C.M.P.;
(15) 1478 lin. ft. 18-in. C.M.P.;
(16) 54 lin. ft. 24-in. C.M.P.;
(17) 25 each spillway assemblies;
(18) 8600 M. gals: water;
(19) 2000 bbls. heavy fuel oil;
(20) 400 lin. ft. laminated timber buardrail;
(21) 4300 sq. yds. lined gutters;
(22) 21 each culvert markers;
(23) 2350 cu. yds. riprap;
(24) 6 each cast iron drop inlet frames and covers;
(25) 7080 lin. ft. exist. woood curbs to be removed and salvaged;
(26) 180 lin. ft. exist. CMP culverts to be removed and salvaged;
(27) 440 cu. yds. exist. riprap to be removed and salvaged;
(28) 135 each guide posts to be moved and reset;
(29) 112 lin. ft. guardrail to be moved and reset;
(30) 16 each culvert markers to be moved and reset;
(31) 6 each monuments to be moved and reset;
(32) 0.25 miles property fence to be removed and reset;
(33) 29 each electroliers to be moved and reset;
(34) 3260 cu. yds. conc. in exist. pave. struc. except bridge to be removed and disposed of;
(35) 535 cu. yds. conc. in exist. bridges to be do;
(36) 160 each monuments complete in place;

Plans and specifications obtainable from above office and on file at the office of the District Engineers in Los Angeles and San Francisco and in the district in which the work is located.

MERCED COUNTY, Calif.—Until January 24, 9 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone road mixed, about 3.3 miles between west boundary and 3.5 miles east, in Merced County, involving:

(1) 25 acres clear and grub right of way;
(2) 306,000 cu. yds. rdwy. excav., unclassified;
(3) 2,000,000 sta. yds. overhaul;
(4) 2,900 cu. yds. struc. excav.;
(5) 68 cu. yds. Port. cement concrete to be removed and disposed of;
(6) 135 cu. yds. Class A portland cement concrete struc.;
(7) 9,800 lbs. bar reinf. steel struc.;
(8) 2,150 cu. yds. salvaged surf. detours;
(9) 2,278 lin. ft. 24-in. CMP;
(10) 246 lin. ft. 36-in. CMP;
(11) 666 lin. ft. CMP clean and relay;
(12) 382 lin. ft. CMP remove and salvage;
(13) 2 each remove and reset headwalls;
(14) 14 each spillway assemblies complete in place;
(15) 6,160 M. gals. water;
(16) 8,900 cu. yds. untreated crusher gravel or stone base;
(17) 5,600 cu. yds. crushed gravel or stone bit. treated surfacing;
(18) 380 tons cutback ashp. bit. treat. surfacing;
(19) 3.3 miles mix cutback asphalt & crushed gravel or stone;
(20) 220 bbls. light fuel oil detours;
(21) 250 bbls. heavy fuel oil prime coat;
(22) 1.4 mi. existing property fences remove and reset;
(23) 5.5 miles new property fences;
(24) 20 each fence gates complete in place;
(25) 174 sta. finish roadway;
(26) 54 each monuments complete in place.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

SAN FRANCISCO — Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for pavement widening and paving with Portland cement concrete and asphalt concrete about 0.7 mi. in the City of San Francisco on Harrison street, between Fifth and Tenth Sts. The work involves:

(1) 8500 tons crusher run base;
(2) 14,000 sq. yds. asph. paint binder
(3) 6200 tons asphalt concrete;
(4) 1100 cu. yds. Class A Portland cement concrete pave.;
(5) 350 cu. yds. Class A Portland cement concrete sidewalks;
(6) 180 cu. yds. Class B Portland cem. conc. curb backing;
(7) 560 cu. yds. remove exist. sidewalks;
(8) 6170 lin. ft. remove, redress and reset stone curbs;
(9) 200 lin. ft. furnish and place new stone curbs tangent;
(10) 720 lin. ft. furnish and place do, circular;
(11) 90 each remove and reset side sewer traps;
(12) 45 each remove and reconstruct brick catchbasins;
(13) 8 each new brick catchbasins;
(14) 22 each remove and reset manhole frames and covers;
(15) 1 only new brick manhole;
(16) 9 each new brick manholes on piles;
(17) 1575 lin. ft. 6-in. vit. clay pipe side sewer;
(18) 65 lin. ft. 12-in. vit. clay pipe sewer;
(19) 527 lin. ft. 12-in. do incased in concrete;

(20) 235 lin. ft. 18-in. do
(21) 247 lin. ft. 21-in. do
(22) 172 lin. ft. reinf. concrete sewer on piles;
(23) 18 each 12-in. x 6-in. wye branches in place;
(24) 12 each 18-in. x 6-in. do;
(25) 9 each 21-in. x 6-in. do;
(26) 13,440 lin. ft. furnish untreated douglas fir piles;
(27) 168 each driving Douglas fir piles
(28) 300 each cross walk markers.

Plans and specifications obtainable from above office and on file at the office of the District Engineers of San Francisco and Los Angeles.

SAN MATEO, Cal.—Until January 9, 8 P. M., bids will be received by the San Mateo City Council, City Hall, for the construction of asphaltic concrete wearing surface on San Mateo Drive, involving:

(1) 400 tons asphaltic concrete wearing surface in place, including all incidental work. Price per ton.

Plans and specifications obtainable from City Clerk, E. W. Foster, or from the City Engineer.

SISKIYOU COUNTY, Calif. — Until January 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with crusher run base about 7.5 miles in Siskiyou County between Moffett Creek and Forest House, involving:

(1) 28,550 cu. yds. rdwy. excav., unclassified;
(2) 84,000 sta. yds. overhaul;
(3) 100 cu. yds. struc. excav.;
(4) 10,300 cu. yds. untreated crushed gravel or stone surfacing;
(5) 156 sta. reshaping roadbed;
(6) 1,225 M. gals. water;
(7) 1,105 bbls. heavy fuel oil;
(8) 10 lin. ft. 8-in. conc. pipe, clean and relay;
(9) 28 lin. ft. 8-in. CMP;
(10) 258 lin. ft. 12-in. CMP;
(11) 36 lin. ft. 18-in. CMP;
(12) 56 lin. ft. 24-in. CMP;
(13) 122 lin. ft. 30-in. CMP;
(14) 52 lin. ft. 36-in. CMP;
(15) 398 sta. finishing roadway.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated. 29

VENTURA COUNTY, Cal.—Basich Bros., 20550 Normandie Avenue, Torrance, at $430,172 awarded contract by State Highway Commission, Sacramento, for grading, paving 8.5 miles with asphalt concrete, between Ventura and Mussel Shoal in Ventura County. Complete bids published December 6.

CLACKAMAS CO., Oregon.—Babler Bros., Portland, at $47,105 awarded contract by U. S. Bureau of Public Roads, Portland, for surfacing on 10 miles of Mt. Hood and Wapanita Highway in Clackamas County.

WASCO COUNTY, Ore.—Kern and Kibbe, Portland, at $47,513.50 awarded contract by Oregon State Highway Commission, Portland, for grading and surfacing 0.7 mile of the Dalles Section of the Columbia River Highway, National Recovery Project No. NRM 36-B, in Wasco County.

C. T. Malcolm, Portland, at $69,-443 was only other bidder. R. H. Baldock, state highway engineer.

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $2287.64 awarded contract by Board of Public Works, City Hall, for improvement of Carolina St. from 22nd to 23rd Sts.

TULARE COUNTY, Cal.—Until Jan. 24, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 8.1 miles in Tulare County between Visalia and Meeryman, involving:

(1) clearing and grubbing;
(2) 20,000 cu. yds. rdwy. excav.;
(3) 105,000 cu. yds. imported borrow;
(4) 6,600 cu. yds. struc. excav.;
(5) 15,000 sta. yds. overhaul;
(6) 24,000 tons crusher run base;
(7) 29,500 tons asphalt concrete;
(8) 4,200 sq. yds. asph. paint binder;
(9) 2,310 cu. yds. Port. cem. conc. Clas A struc.;
(10) 1,400 cu. yds. remove and dispose of Port. cem. concrete and brick in pave. and struc.;
(11) 20 cu. yds. drainage sumps;
(12) 236,400 lbs. bar reinf. steel struc.
(13) 0.2 mile new property fence;
(14) 8 miles reset property fence;
(15) 60 each culvert markers;
(16) 110 each guide posts;
(17) 9 each concrete joints;
(18) 4,700 bbls. heavy fuel oil shoulders;
(19) 600 bbls. light fuel oil tack coat;
(20) 45 each gates;
(21) 5,000 M. gals. water;
(22) 430 sta. mix oil on detours and shoulders;
(23) 975 lin. ft. concrete pipe, clean and relay;
(24) 540 lin. ft. laminated timber guard rail;
(25) 1,2333 lin. ft. solid timber guard rail struc.;
(26) 24 lin. ft. CMP, clean and relay;
(27) 1,346 lin. ft. 12-in. CMP;
(28) 784 lin. ft. 18-in CMP;
(29) 20 lin. ft. 24-in. CMP;
(30) 124 lin. ft. 24-in. CMP, siphon close riveted and soldered;
(31) 72 lin. ft. 30-in. do;
(33) 932 lin. ft. part circle culverts;
(34) 430 sta. finishing rdwy.;
(35) 48 each monuments complete in place.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

POLK COUNTY, Ore.—Earl L. McNutt, Eugene, at $15,272.50 awarded contract by the Oregon State Highway Commission, Portland, for grading and surfacing Brunk's Corner Oak Point Creek Section of Independence Secondary Highway, National Recovery Project No. NRS 224, in Polk Co.

Complete bids follow:

Earl L. McNutt, Eugene	$15,272.50
C. H. Leonard, Albany	18,580.00
J. A. Lyons, Portland	22,300.00
F. C. Dillard, Medford	22,500.00
Birkemeier & Saremal, Portland	25,775.00
Guy F. Pyle, Eugene	25,900.00

R. H. Baldock, state highway engineer.

MALHEUR COUNTY, Ore.—Bids received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, for regrading and applying penetration type bituminous macadam, on the Ontario Section of Old Oregon Trail, National Recovery Project No. NRM 158B, have been rejected. The bids were:

A. Milne, Portland, using tar, $12,-421; using No. 3 road oil.

Quinn-Robbins Co., Boise, Idaho, $12,531.50; $13,111.50.

J. C. Compton, McMinnville, Ore., $13,014;

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $998.50 awarded contract by Board of Public Works, City Hall, for improvement of crossing at Jarboe Ave. and Putnam St.

SAN MATEO COUNTY, Cal.—John Casson, 319 Warren St., Hayward, at $8,435 submitted low bid to Department of Public Works, Division of Highways, John H. Skeggs, District Highway Engineer, No. IV, State Bldg. San Francisco, for grading, surfacing with crusher run base and applying bituminous treatment on about 0.26 mile in Daly City between School Street and Market Street, in San Mateo county. Complete bids follow:

(A) John Casson, Hayward, $8,435.
(B) C. L. Harney, San Francisco, $8,-693.00.
(C) A. J. Raisch, San Francisco, $8,-721.00.
(D) Fay Improvement Co., San Francisco, $9,431.00.
(E) A. J. Grier, Oakland, $9,484.00.
(F) Lee J. Immel, Berkeley, $10,190.

Quantities follow:

(1) 3,000 cu. yds. roadway excav., unclassified;
(2) 2,150 tons crushed run base in place;
(3) 300 cu. yds. concrete remove from existing sidewalks, curbs, floors;
(4) 350 tons screenings in place;
(5) 25 tons emulsified asphalt road oil in place;
(6) 8 drop inlet or manhole covers & frames, remove and reset;
(7) 1 drop inlet complete in place;
(8) 100 cu. yds. Class A Portland cement conc. in place (curbs, sidewalks).

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)..	$ .50	$ .50	$ .44	$ .82	$ .70	$ .35
(2)..	1.60	1.60	1.70	1.63	1.66	2.10
(3)..	2.50	2.50	1.80	.82	1.00	2.20
(4)..	2.20	2.50	3.40	2.48	3.00	2.01
(5)..	21.00	20.00	24.00	21.50	25.00	20.00
(6)..	25.00	6.00	2.00	5.00	10.00	5.00
(7)..	150.00	80.00	40.00	75.00	60.00	85.00
(8)..	11.00	15.00	16.00	17.00	17.00	17.60

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $4,172.50 awarded contract by Board of Public Works, City Hall, for improvement of Laidley St. between Fairmount and Miguel Streets.

SAN FRANCISCO—M. J. Lynch, 1435 Church St., San Francisco, at $190 submitted low bid to the Board of Public Works, City Hall, for constructing a macadam sidewalk on the west side of Van Ness Ave., between Beach St. and Fort Mason. Complete bids follow:

M. J. Lynch, San Francisco	$190
D. C. McCabe, San Francisco	203
E. J. Treacy, San Francisco	205
Theodore Cohn, San Francisco	334

YAMHILL COUNTY, Oregon—Harold Blake, Portland, Oregon, at $124,-130 awarded contract by Oregon State Highway Commission, Portland, for regrading 4.16 miles and paving with Portland cement concrete 3.56 miles. Newberg McMinnville Section of West Side Pacific Highway, National Recovery Project Nos. NRH 122-B, NRH 52, NRH 179-B, NRM 52 and NRM 179-B, in Yamhill County. Complete bids follow:

Harold Blake, Portland	$124,130
Parker-Schram Co., Portland	136,417
Theo. Arenz, Portland	141,889
Edlefsen-Weygandt Co., Port.	144,742

R. H. Baldock, State Highway Engineer.

LEWIS COUNTY, Wash. — J. D. Harms, Seattle, Wash., at $183,162 awarded contract by U. S. Bureau of Public Roads, Portland, Oregon, for grading 2.955 mi. and constructing a bridge 0.036 mi. in length on the Mt. Rainier National Park East Side Highway, Project NR-5-C, in Lewis Co.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BRIDGE — NEVADA — STATE

NYE COUNTY, Nev.—Dodge Const. Co., inc., Fallon, Nev., at $84,287.42 awarded contract (as previously reported) by Department of Highways, Carson City, for constructing 14.19 miles of State Highway System in Nye County, between 7 miles northwest of Lockes and Callaways, Route 4, Section D-2.

Complete bids follow:

(A) Dodge Const. Co., Inc., Fallon, $84,287.42.
(B) Utah Const. Co., Ogden, $87,130.14
(C) M. J. Bevanda, Stockton, Calif., $93,884.96.
(D) Isbell Const. Co., Carson City, $95,607.36.
(E) George Pollock Co., Sacramento, Cal., $96,097.46.
(F) Jack Casson, Oakland, $97,396.52.
(G) Engineer's estimate, $103,363.91.

Quantities were:

(1) 83,900 cu. yds. rdwy. and excav.;
(2) 39 acres clear and grub;
(3) 39,353 sta. yds. overhaul;
(4) 77,936 cu. yds. select borrow;
(5) 400 cu. yds. struc. excavation;
(6) 14.19 miles subgrade;
(7) 46,600 cu. yds. cru. gravel or stone surface;
(8) 40 cu. yds. Class "A" concrete;
(9) 56 cu. yds. Class "B" concrete;
(10) 5600 lbs. reinf. steel;
(11) 60 lin. ft. 18-in. C.M.P.;
(12) 588 lin. ft. 24-in. C.M.P.;
(13) 34 lin. ft. 36-in. C.M.P.;
(14) 315 lin. ft. 18-in. vit. pipe;
(15) 273 lin. ft. 24-in. vit. pipe;
(16) 188 lin. ft. remove pipe culverts;
(17) 40 monuments;
(18) 7810 lin. ft. construct fence;
(19) 14.19 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .25	$ .22	$ .30	$ .25	$ .30	$ .25	$ .25
(2)	10.00	12.00	30.00	15.00	10.00	5.00	15.00
(3)	.04	.03	.02	.02	.02	.02	.02
(4)	.30	.35	.40	.35	.40	.36	.40
(5)	1.00	1.00	1.00	1.00	1.00	1.00	1.00
(6)	100.00	60.00	125.00	100.00	100.00	100.00	100.00
(7)	.55	.62	.50	.70	.50	.75	.80
(8)	25.00	28.00	30.00	35.00	40.00	30.00	30.00
(9)	25.00	28.00	25.00	35.00	35.00	30.00	30.00
(10)	.07	.07	.07	.07	.06	.08	.08
(11)	2.25	2.00	2.50	2.00	3.00	2.80	2.00
(12)	3.25	2.90	3.00	3.00	4.00	3.50	2.75
(13)	6.00	5.20	5.00	6.00	6.00	5.50	3.75
(14)	4.00	3.50	3.00	3.00	4.00	2.80	2.75
(15)	5.00	4.25	4.00	5.00	6.00	4.00	5.00
(16)	.75	.50	1.50	1.00	1.00	1.00	.50
(17)	3.00	3.00	4.00	3.50	3.00	3.00	4.00
(18)	.15	.08	.10	.12	.10	.15	.12
(19)	100.00	100.00	125.00	150.00	200.00	100.00	150.00

ALAMEDA CO.—S. F. BAY BRIDGE— (STATE)

ALAMEDA COUNTY, Cal.—Clinton Const. Co., 923 Folsom St., San Francisco, at $253,665 submitted low bid to Department of Public Works, 500 Sansome St., San Francisco, for the construction of a structure consisting of 22 reinforced concrete piers with timber piles, 10 reinforced concrete spans for the lower deck highway and interurban traffic and 6 reinforced concrete spans for the upper deck highway, located in Oakland immediately east of the east bay crossing of the San Francisco-Oakland bay bridge, in Alameda County.

Complete bids follow:

(A) Clinton Const. Co., San Francisco, $253,665.00.
(B) MacDonald & Kahn Co., Ltd., San Francisco, $269,692.00.
(C) Healy - Tibbitts Const. Co., San Francisco, $337,500.00.
(D) W. J. Tobin, Oakland, $346,000.
(E) Bridge Builders, Inc., Oakland, $358,000.00.

The quantities were:

(1) 580 pieces driving pile piers E-23 to E-27A, inclusive;
(2) 420 pieces driving pile piers E-28 to E-39, inclusive;
(3) 2400 tons gravel blanket piers E-23 to E-27A;
(4) 440 cu. yds. concrete seal pier E-23;
(5) 860 cu. yds. do piers E-23A to E-27A, inclusive;
(6) 1050 cu. yds. concrete footings, piers E-28 to E-39, inclusive;
(7) 5,600 cu. yds. conc. above seals;
(8) 130 cu. yds. concrete railings;
(9) 800,000 lbs. reinf. steel;
(10) 6,000 lbs. bronze bearings;
(11) 5,000 lbs. misc. metalwork;
(12) lump sum, electrical conduits;
(13) 1,000 bbls. extra Port. cement 10 percent over and above regular cement.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 17.50	$ 15.00	$ 25.00	$ 25.00	$ 41.00
(2)	10.50	12.60	30.00	21.00	46.00
(3)	2.50	3.50	1.25	3.00	2.50
(4)	48.00	14.80	30.00	60.00	40.00
(5)	44.00	15.35	30.00	107.00	40.00
(6)	19.30	13.40	35.00	36.00	40.00
(7)	18.20	23.70	32.50	21.00	31.00
(8)	24.00	45.00	40.00	23.00	30.00
(9)	.053	.0825	.05	.041	.04
(10)	.29	.47	.20	.25	.30
(11)	.14	.21	.05	.07	.12
(12)	1500.00	977.00	1000.00	1100.00	1000.00
(13)	2.50	4.10	2.00	2.50	2.00

BIDS OPENED

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $117,688.50 submitted low bid to State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 1.8-mi. in Long Beach, between the easterly boundary of the City of Los Angeles and Pacific Ave., in Los Angeles County, involving:

(1) 94 sta. yds. clear and grub r/w;
(2) 17,000 cu. yds. rdwy. excav. unclass.;
(3) 175,000 sta. yds. overhaul;
(4) 5500 cu. yds. imported borrow;
(5) 7500 cu. yds. struc. excav.;
(6) 37,500 sq. yds. subgrade for pave;
(7) 14,000 sq. yds. asph. paint binder;
(8) 19,200 tons asph. concrete;
(9) 2050 cu. yds. Class A Port. cem. concrete curbs, gutters and sidewalks;
(10) 270 cu. yds. Class A Port. cem. concrete strucs.;
(11) 20,000 lbs. bar reinf. steel strucs.;
(12) 14,000 lbs. misc. iron and steel structures;
(13) 200 lin. ft. 18-in. C.M.U.;
(14) 600 lin. ft. 12-in. plain concrete pipe;
(15) 40 lin. ft. 15-in. plain conc. pipe;
(16) 1850 lin. ft. 12-in. reinf. conc. pipe
(17) 180 lin. ft. 15-in. reinf. conc. pipe;
(18) 500 lin. ft. 24-in. reinf. conc. pipe;
(19) 980 lin. ft. 27-in. reinf. conc. pipe;
(20) 630 lin. ft. 30-in. reinf. conc. pipe;
(21) 20 lin. ft. 36-in. reinf. conc. pipe;
(22) 600 cu. yds. conc. removed and disposed of;
(23) 350 tons broken stone culvert foundation;
(24) 700 M. gals. water;
(25) 1250 bbls. fuel oil;
(26) 1.5 mi. preparing mixing and shaping shoulders;
(27) 4 each moving and resetting electroliers;
(28) 90 sta. yds. finishing roadway.

Complete bids follow:

(A) Griffith Co., Los Angeles, $117,688.50.
(B) Sully-Miller Contracting Co., Long Beach, $125,059.
(C) Munde Engineering Co., Los Angeles, $132,534.60.
(D) Southern California Roads Co., Los Angeles, $134,818.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 10.00	$ 3.00	$ 10.00	$ 5.00
(2)	.22	.25	.43	.40
(3)	.005	.005	.006	.005
(4)	.45	.35	.60	.80
(5)	.40	.45	.65	.70
(6)	.09	.09	.09	.09
(7)	.03	.02	.02	.02
(8)	2.90	3.35	2.79	3.10
(9)	10.15	9.80	14.65	11.50
(10)	18.00	16.00	18.00	15.00
(11)	.033	.045	.045	.05
(12)	.10	.105	.106	.11
(13)	1.62	1.475	1.50	1.60
(14)	.60	.70	.67	1.00
(15)	1.00	1.05	.72	1.20
(16)	1.80	2.00	2.00	2.00
(17)	2.35	2.50	2.50	2.50
(18)	3.55	3.80	3.86	4.00
(19)	4.40	4.60	4.66	6.00
(20)	4.90	5.30	5.30	7.00
(21)	6.50	7.00	6.95	10.00
(22)	1.50	1.00	2.00	1.60
(23)	2.40	2.20	2.25	2.40
(24)	.60	.35	1.00	1.50
(25)	1.30	1.60	1.50	1.40
(26)	500.00	400.00	300.00	350.00
(27)	50.00	100.00	126.00	120.00
(28)	10.00	2.00	2.00	5.00

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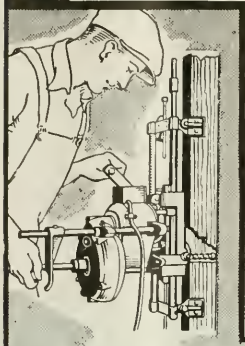
Vol. XVII—No. 2

JANUARY 13, 1934

WAPPAT Electric TOOLS



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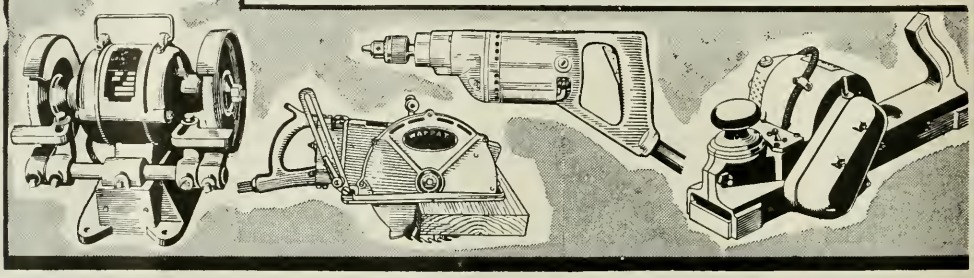

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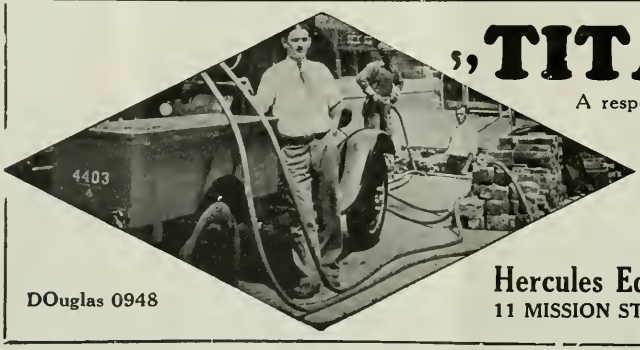

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Vol. XVII SAN FRANCISCO, CALIF., JANUARY 13, 1934 No. 2

Los Angeles Leads in 1933 Building; San Francisco Second, Oakland Fifth

San Francisco and Oakland were second and fifth, respectively, among the five leading cities of the Pacific coast in total building permits for the year 1933, according to a comparison of twelve-month figures made possible yesterday by completion of the annual review of building permit totals

The tabulation has been adjusted for purposes of accurate comparison by omitting awards on San Francisco bay bridge construction which have been reported in several months of the past year. By deducting these totals from the San Francisco totals the figures obtained represent accurately the actual expenditures for building.

The San Francisco total for the twelve months, thus revised, is $11,175,645, comparing with $15,283,216 for Los Angeles, first on the list, and $6,453,010 for Long Beach, in third place.

Five other cities among the leaders in building in 1933 were grouped closely in the following order ranked by total expenditures, Portland, Oakland, Seattle, Beverly Hills and San Diego.

Other than these the city of Sacramento is the only one with a total exceeding one million dollars for the year. San Jose and Pasadena reported nearly identical totals just below the million-dollar mark. Berkeley ranks next with Glendale following closely, the only other cities topping the three-quarter-million figure.

With award of the $2,500,000 contract for the federal office building, San Francisco takes honors for the largest individual building contract of the year. The award was needed to bring the city's building total above the $9,822,680 figure of 1932.

Following are the 1933 totals for the leading group of cities:

	Permits	Value
Los Angeles	15,868	$15,283,216
San Francisco	4,839	11,175,645
Long Beach	9,813	6,453,010
Portland	3,184	2,380,440
Oakland	2,275	2,050,416
Seattle	2,888	1,933,905
Beverly Hills	592	1,797,892
San Diego	2,446	1,783,296
Sacramento	1,407	1,365,940
San Jose	527	993,730
Pasadena	2,726	993,671
Berkeley	746	760,170
Glendale	558	740,426

LATE MAIL MAY DISQUALIFY BID

SACRAMENTO, Jan. 10.—Disqualification of several bids due to late arrival at the offices of the State Highway Commission in recent weeks caused State Director of Public Works Earl L. Kelly today to issue a warning to all contractors to mail proposals in time to be certain of delivery before 2 p. m. on bid opening days.

Firms bidding from distant points in the state should allow for possible delay in mails because of bad weather and interruption of train schedules, Kelly said.

FLOOD DELAYS WORK AT BONNEVILLE DAM

Although relatively small damage was caused by high water in the Columbia river at the Bonneville dam site, the unprecedented flood caused about 30 days' delay in the construction schedule, C. I. Grimm, chief engineer in charge, reports, following an inspection of the project.

A survey of the flood damage revealed that the top of the upper Bradford slough cofferdam will have to be rebuilt, as well as the lower Bradford slough cofferdam and about 200 feet of cofferdam between Boat rock and Bradford island. The additional work necessitated by the loss of the cofferdams and the consequent loss of working time during the high water will result in about 30 days' delay in that part of the work scheduled for completion prior to the June freshet, unless offset by rapid progress in the next four months.

S. F. AND ALAMEDA PROJECTS GIVEN FEDERAL MONEY

Broadway Tunnel and O'Shaughnessy Dam Receive Grants; 9 Million for L.A. Schools

Additional millions of Federal funds have been released to projects in California and other Western states by the Public Works Administration, according to dispatches from Washington yesterday.

Largest of the new apportionments in California is that of $9,380,000, a loan and grant to Los Angeles for rehabilitation of school buildings.

The city of San Francisco received approval of loan and grant of $3,500,000 for raising O'Shaughnessy Dam and $260,000 for improvements at the airport.

Alameda and Contra Costa counties, through Joint Highway District No. 13 were granted $1,000,000 toward the cost of the Broadway low-level tunnel, total Broadway low-level tunnel, the total cost of which with appurtenant structures will be $3,752,000. The tunnel is to be a double bore of 2910 feet. It involves also construction of two overhead crossings and viaduct and a grade separation at the intersection with the Sacramento Northern Railway.

The balance of the financing is to be obtained from sale of district bonds, which already have been voted. Wallace B. Boggs, 1448 Webster St., Oakland, is chief engineer. A meeting of the tunnel district directors will be called as soon as official notification of the grant is received and bids for the tunnel and for sale of the bonds probably will be advertised within a week.

Other grants and loans included $22,000 to the city of Monterey for outfall sewer construction; $49,000 to the city of Morgan Hill for water system improvements; $2000 to the city of Modesto for sanitary sewer extension; $600,000 to the La Mesa - Spring Valley - Lemon Grove Irrigation district to finance a concrete pipe line.

Bakersfield received $274,000 for a new library building and San Jose received a grant of $112,000 contingent upon approval of a bond issue to complete financing of a $460,000 municipal auditorium

A.G.C. Annual Convention to Celebrate Improvement in Construction Industry

Foreseeing the prospect of a great concentration of actual construction work within the next few months, preparations for inducing and handling during 1934 the first rising volume of construction since 1929 are to be enthusiastically undertaken at the 15th annual convention of the Associated General Contractors of America, to be held in Washington January 29, 30 and 31, Edward J. Harding, managing director of the contractors' association, announces.

With allotments under the ponderous Federal Public Works program virtually completed and reaching the contract award stage in increasingly heavy volume, construction leaders look to the industry to afford by spring its greatest employment opportunities in years. Every effort to sustain this activity throughout 1934, thru a revival of private construction and probably additional Federal grants for State and municipal public works, will be made by the contractors of the country at their convention, Harding states.

"For the first time in its history," he points out, "the construction industry, under its code of fair competition, is organizing 100 per cent for honest and efficient service to the public, and new construction values will be more thoroughly stabilized and safeguarded than ever before. We, therefore, believe that an early return of private capital investment to this field is inevitable, and that the large volume of such work which has been held up by the uncertainty of the last three years will soon make itself felt upon the business and purchasing power of the country."

Harding declared that the Associated General Contractors and the construction industry as a whole have sought in perfecting their master code and divisional supplements to provide fair and reasonable wages for labor and at the same time keep construction costs in proper relationship to consumer earning power. The successful carrying out of this objective will be assured by the strict self-regulation of the industry under N. R. A., which will definitely eliminate the "chisler," he states. Organization of the general contractors' code authorities is expected to be perfected by the time of the Associated General Contractors' convention and it is anticipated that the meeting will attract the largest gathering of contractors on record.

Contractor Makes Record on Road Job in Colorado

What the U. S. Bureau of Public Roads believes to be a speed record in road building was established recently in the building of a Public Works highway in the San Juan National Forest in Colorado. The road, known as the Pagosa-Chama forest highway, is part of the main-traveled route between Santa Fe, New Mexico, and the Mesa Verde National Park. Only 49 days of the 200 allowed to complete this 4½ mile section of road were required to put the highway in service, according to the report of the bureau, which was in charge of the construction.

Work accomplished on the section of road built so rapidly included grading to a 24-ft. width, building two major drainage structures of concrete, and placing two 4-in. layers of crushed surfacing material.

Although the contract permitted the use of machinery, the Bureau of Public Roads reports that the contractor, E. H. Honnen, preferred to use instead a large number of unemployed and needy men.

"This project," the report states, "proved a veritable godsend to the community, which depends on grazing, farming and lumbering for its living. Of the 276 men registered for employment in the county, 211 were given employment on the road work. This represented 6,400 men-days and 2,300 stock-days of work, representing payrolls of $40,000. Expenditures for supplies and materials have improved local financial conditions, and business men of the community are outspoken as to the local benefits of the road construction."

NEW ELECTION ASKED TO GET U. S. MONEY

Stanislaus County Residents Working for $498,000 County Buildings

Plans for a second election on the proposed bond issues of $247,000 and $250,000 to finance construction of an addition to county hospital and a new courthouse are being made in Stanislaus county following notification that the Federal government has set aside money to purchase the bonds and to make a grant for part of the cost.

E. A. Taggard, Modesto electrical contractor, is leading the campaign for a new election and is chairman of a committee circulating petitions in favor of the bonds.

At Taggard's request, the board of supervisors drafted a letter to the San Francisco office of the Public Works Administration to learn if a 90-day extension of time could be given to determine whether Stanislaus County may accept a $498,000 loan and grant offered by the federal government last week.

The allocation was made by the PWA on an application made by the supervisors before a special election last December 19. At that time, two proposed bond issues as security for the federal loan failed to receive the required two-thirds majority necessary for issuance.

Because only a simple majority was given the bonds, the supervisors have been advised they cannot accept the government's offer unless voters at another election give a two-thirds majority.

It is the understanding of the board the allocations must be accepted within thirty days.

Gate Bridge Now 240 Ft. Above Pier

With fourteen additional gangs of riveters at work and structural steel units being transported daily from the Alameda assembly plant of the McClintic-Marshall corporation, the Marin tower of the Golden Gate Bridge now extends skyward 288 feet above sea level.

The tower proper, according to the statement yesterday of James Reed, general manager of the Golden Gate Bridge and Highway District, and Chief Engineer Jos. B. Strauss, is 240 feet high, the differential of 48 feet represents the height of the Marin pier above mean high water level.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
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Consolidated Rock Products Co.
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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
8	Botti	Ghiotto	1000
9	Lyman	Siegrist	3850
10	Golden	Owner	4000
11	Huntington	Owner	2000
12	Rawlings	Mullen	4800
13	Sprague	Owner	1000
14	Smith	Coburn	7000
15	Voss	Owner	3000

REPAIRS
(8) NO. 590 DUNCAN ST. Repair fire damage to dwelling.
Owner — P. A. Botti, 376 Capistrano St., San Francisco.
Architect—Not Given.
Contractor—Ghiotto Bldg. Supply Co., 221 Delano St., S. F. $1000

REPAIRS
(9) NO. 150 REDWOOD ST. Replace roof destroyed by fire.
Owner—Edmunds Lyman, 604 Mission St., San Francisco.
Engineer—N. B. Green, Sharon Bldg., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., S. F. $3850

DWELLING
(10) W THIRTY-SECOND AVE. 50 N Rivera St. One-story and basement frame dwelling.
Owner—Golden Gate Investment Co., 1143 Grant Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco. $4000

ADDITION
(11) 32 MAPLE STREET; addition to dwelling.
Owner—Miss M. Huntington, 32 Maple Street.
Architect—Not Given. $2000

ALTERATIONS
(12) SE CR. MASON and Eddy Sts.; alter store.
Owner—Rawlings & Pisani, Mason & Eddy Streets.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Ransch St. $4800

ALTERATIONS
(13) NO. 3387-91 MISSION STREET. Alter restaurant.
Owner—W. Sprague, 369 Pine St., San Francisco.
Architect—Not Given. $1000

REPAIRS
(14) 236-46 JACKSON ST.; repair fire damage to store.
Owner—Mrs. Smith, % contractor.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street. $7000

ALTERATIONS
(15) N GEARY ST. 50 E Seventh Ave. Alter store.
Owner—Herman H. Voss, 4435 Geary St., San Francisco.
Architect—Not Given. $3000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
4	Firestone	Thrams	3800
5	Union	Stolte	2000
6	Friedman	Owner	1920
7	de Perhach	Cords	1500
8	University	Kulchar	2000
11	Mid-Valley	Allen	5000
12	McMillan	Reiningham	3000

ALTERATIONS
(4) NO. 1100 HARRISON ST., OAKLAND. Alterations and addition to service station.
Owner—Firestone Tire & Rubber Co., Los Angeles.
Architect—Not Given.
Contractor—C. H. Thrams, 28 Home Place, Oakland. $3800

STATION
(5) NO. 6232 COLLEGE AVE., OAKLAND. One-story steel service station.
Owner—Union Oil Co., 1018 Mills Bldg San Francisco.
Architect—Not Given.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland. $2000

ADDITION & SHEDS
(6) 1700 E 12th ST., OAKLAND; addition and two 1-story sheds.
Owner & Builder—S. Friedman, 2200 East 12th St., Oakland.
Architect—Not Given. $1900

DWELLING
(7) 3069 MOUNTAIN BLVD., OAKLAND; two-story 4-room dwelling.
Owner—M. A. dePerhach, 1723 Franklin St., Oakland.
Architect—Not Given.
Contractor—Alfred Cords, 1723 Franklin St., Oakland. $1500

ALTERATIONS
(8) NO. 1325 WASHINGTON STREET OAKLAND. Alterations.
Owner—University Investment Co.
Architect—Not Given.
Contractor—S. Kulchar Co., 731 East 10th St., Oakland. $2000

9 Lang Rose 4000
REPAIRS
(9) 521 PRINCE ST., OAKLAND; repair fire damage to apartment.
Owner—Leon Lang, 315 Jerome Ave., Piedmont.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $4000

ALTERATIONS
(10) 2235 LINCOLN AVE., ALAMEDA; alterations to frame work on present building.
Owner—Alameda Steam Laundry, 2235 Lincoln Ave., Alameda.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. $1000

DWELLING
(11) NO. 4243 ATLAS AVE., OAKLand. One-story six-room dwelling.
Owner — Mid,-Valley Corporation Fruitvale Medical Bldg., Oakland
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland. $5000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
3	Lyman	Ciegrist	3850
4	Tarantino	Sartorio	12900
5	Regents	Lyon	1027
6	Surian	Gavazza	3000

RECONSTRUCTION
(3) 150 REDWOOD ST.; reconstruct building.
Owner—Edmunds Lyman, 604 Mission Street.
Architect—Norman B. Green, Sharon Building.
Sontractor—F. R. Siegrist, 604 Mission Street.
Filed Jan. 5, '34. Dated Dec. 30, '33. 10th of each month, 100% of value of labor and materials up to 8th of that month.
Completion, sum sufficient to complete the contract price.
TOTAL COST, $3850.00
Bond, $3850. Sureties, U. S. Fidelity and Guarantee Co. Limit, 45 days. No plans and specifications filed.

BUILDING
(4) N NORTH POINT 127-6 E Webster E 27-6 N 137-6 W 30 S 37-6 E 2-6 S 100 WA 257; all work on two-story and basement frame building.
Owner—Ruth and L. Tarantino, 1690 Bay Street.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market Street.
Filed Jan. 5, '34. Dated Jan. 4, '34.
When roof is completed.....$3225
When rough plaster is on..... 3225
When building is completed..... 3225
Usual 35 days 3225
TOTAL COST, $12,900
Limit, 90 days. Plans and Spec. filed.

STEEL LOCKERS
(5) UNIVERSITY of California in San Francisco; contract for steel lockers for dental clinics areas, Medical Bldg.
Owner—The Regents of the University of California.
Architect—W. P. Stephenson, University of California, Berkeley.
Contractor—Lyon Metal Prod., Inc., 582 Market St.
Filed Jan. 5, '34. Dated Dec. 28, '33.
Upon completion 75%
Usual 35 days.....25%
TOTAL COST, $1027
Bonds, (2) $550 each. Sureties, Fidelity & Deposit Co. of Maryland. Limit 45 days. Plans an Spec. filed.

ALTERATIONS
(6) NW MISSION AND THIRTIETH Sts. S 59-9 W 106 N to pt on S 30th dist. 119 W from NW Mission E 119 to beg Ptn PV Lands. All work for alterations, etc., three flats with stores below.
Owner—J. Valle and G. Surian, 3393 Mission St., San Francisco.
Architect—G. E. Berger, 309 Valencia St., San Francisoc.
Contractor—Peter Gavazza, 179 Pixley St., San Francisco.
Filed Jan. 8, '34. Dated, ——.
Roof completed .....$ 500
Front elevation cement plaster on 700
When Completed..... 1000
Usual 35 days..... 800
TOTAL COST, $3000
Bond, $1700. Sureties, Harley A. Norton and C. E. Reinhart. Limit, 60 days. Forfeit none. Plans and specifications filed.

ALAMEDA COUNTY

73	Union	Independent	5688
10	Alameda	Anderson	1000

STATION
(73) PIEDMONT AND MOSS AVES. Oakland. All work for service station.
Owner — Union Service Stations, Los Angeles.
Architect—Not Given.
Contractor—Independent Iron Works, 821 Pine St., Oakland.
Filed Dec. 21, '33. Dated Dec. 12, '33.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, $5688
Bond, $4266. Surety, U. S. Fidelity & Guarantee Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

3— CHURCHES

Planned.
CHURCH ADDITION Cost, $——
OAKLAND, Alameda Co., Cal. No. 1410 Tenth Avenue.
Additions and alterations to present church (enlarge auditorium to seat 1000, lower floor; construct new gymnasium, etc.)
Owner—Tenth Avenue Baptist Church (Dr. George W. Phillips, Pastor), 362 Lake Chabot Road, Hayward.
Architect—Not Given.
If the proposed work is approved by the members of the congregation and the Oakland building inspectors, construction will be handled by Carl Marshall, 700 Alma Ave., Oakland.

Construction To Start Shortly.
CHURCH Cost, $3000
CROCKETT, Contra Costa Co., Calif. Highway.
Construct new church building.
Owner—St. Mark's Episcopal Church (Rev. F. C. Miller, Walnut Creek, Vicar).
Architect—Not Given.

4— FACTORIES & WAREHOUSES

Sub-Contracts Awarded.
MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Patitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Vault Doors—James E. Townsend, 2nd and Mission Sts., San Francisco.
Mill Work—National Mill & Lumber Co., 230 California St., S. F.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
As previously reported, excavation awarded to Ariss-Knapp Co., 961 41st St., Oakland; terra cotta wall units to Krafft Co.; reinforcing steel to Truscon Steel Co., Atlas Bldg.; plastering to P. H. Donnelly, 3957 Oakmore Road, Oakland; structural steel to Herrick Iron Works, 18th and Campbell Sts., Oakland; brick, White & Gloor, Monadnock Bldg., San Francisco; steel rolling doors, Acme Partition Co., 3535 Peralta St., Oakland.

Plans Completed.
BREWERY Cost, $150,000
SANTA ROSA, Sonoma Co. Cal. Junction of College Ave. and N. W. P. R. R.
Construct brewery and brew house (steel and concrete construction) 100 barrel per day capacity.
Owner—Sonoma Valley Brewing Corp. (Mr. Hanrahan in charge) 217 Exchange Bank Bldg., Santa Rosa.
Architect—Withheld.
It is expected to call for bids in about three weeks.

Planned.
IMPROVE WINERY Cost, $10,000
FRESNO, Fresno Co., Cal. Clovis Avenue.
Improve winery (new cooperage, etc.)
Owner—Las Palmas Winery (B. Cribari & Son), 1066 Bird St., San Jose.
Architect--Not Givne.

Planned.
IMPROVE WINERY Cost, $20,000
FRESNO, Fresno Co., Cal.
Improve winery (additional cooperage, spur track, etc.)
Owner — Henrietta Rancho Products Co. (E. Pusey Cain), Peach Road, Fresno.
Architect—Not Given.

January 10, 1934

Planned.
IMPROVE WINERY Cost, $——
FRESNO, Fresno Co., Cal. Clovis Avenue.
Additions and alterations to present plant.
Owner—California Wineries & Distilleries, Inc. (A. B. Tarpey, Mgr.), Tarpey Vineyard, Fresno.
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $10,000
FRESNO, Fresno Co., Cal. Del Ray Highway.
Improvement of winery (repair and remodel distillery and fermentation tanks, etc.)
Owner—A. Mattei Winery, Del Rey Highway (S. W. Harkelroad, Mgr.) Fresno.
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $25,000
FRESNO, Fresno Co., Cal. Tulare Avenue.
Build new fermentation room, enlarge storage room, new equipment, etc.
Owner—St. George Winery (Hugh Malter, Prop.)
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $——
SANGER, Fresno Co., Cal.
Construct new bottling plant, laboratory and offices.
Owner—Sanger Winery, (B. J. Wingfield, Owner), Sanger.
Architect—Not Given.

Planned.
WINE CELLAR Cost, $20,000
FRESNO, Fresno Co., Cal. Railroad Avenue.
Install wine cellar, distillery and additional cooperage and machinery.
Owner—G. Maselli & Sons, Railroad Ave., Fresno.

Planned.
IMPROVE WINERY Cost, $25,000
FRESNO, Fresno Co., Cal. Shaw and Winery Avenues.
Improvements to winery.
Owner—Lucerne Winery, Inc. (Max Hopper and Coleman, Props.), Fresno.
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $——
FRESNO, Fresno Co., Cal. Hayes Avenue.
Improvements to winery.
Owner—Kearney Winery, Hayes Ave., Fresno (J. J. Allegretti, Prop.)
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $25,000
FRESNO, Fresno Co., Cal. Ventura Avenue.
Replacement of cooperage, install new bottling plant and construct new warehouse.
Owner—West Coast Wineries, Inc., (Harry R. De Venney, Mgr.), Fresno.
Architect—Not Given.

Contract Awarded.
ALTER LAUNDRY Cost, $——
ALAMEDA, Alameda Co., Cal. No. 2235 Lincoln Avenue.
Alterations to frame laundry.
Owner—Alameda Steam Laundry, 2235 Lincoln Ave., Alameda.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.

Planned.
PLANT Cost, $——
PASO ROBLES, San Luis Obispo Co., Cal. 20 Acre Tract in Moorpark Subdivision.
Almond plant (warehouse to hull and shell) machine shop, machinery and equipment, etc.
Owner—J. R. Ranches (Fred D. Jackson, President), Santa Barbara.
Architect—Not Given.

SUB-CONTRACTS AWARDED.
SAN FRANCISCO. — K. E. Parker Co., 135 South Park Street, awarded the following sub-contracts for the construction of a two-story steel and concrete shed and utilities (concrete walls, steel floor and roof) at Pier No. 1, Fort Mason:
Wrecking—Symon Bros., 1435 Market Street.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets.
Sheet Metal—Fire Protection Products Co., 1101 16th Street.
Steel Floor — H. H. Robertson, 50 Hawthorne Street.
Lathing and Plastering—Jas. Smith, 271 Minna Street.
Tile—Malott and Peterson, 3221 20th Street.
Paving—Fay Imp. Co., 760 Market St.
Pressed Wood Tile—Western Asbestos Magnesia Co., 675 Townsend.
Glass and Glazing—W. P. Fuller and Co., 301 Mission Street.
Plumbing—F. W. Snook Co., 596 Clay Street.
Electric—Spencer Electric Co., 2059 Webster St., Oakland.

Contract Awarded.
REPAIR FACTORY Cost, $4000
SAN FRANCISCO. No. 150 Redwood Street.
Replace roof of factory recently destroyed by fire.
Owner—Edmunds Lyman, 604 Mission St., San Francisco.
Engineer—N. B. Green, Sharon Bldg., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.

Structural Steel Contract Awarded.
STOCK HOUSE Cost, $75,000
OAKLAND, Alameda Co., Cal. Seventh St. near Kirkham.
Three-story steel and concrete stock house (72x72 ft.) composition roof, concrete floors, cork insulation, tanks, etc.
Owner — Golden West Brewery Co., Premises.
Architect—A. R. Williams, Humboldt Bank Bldg., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, Call Bldg., San Francisco.
Structural Steel—Western Iron Works 141 Beale St., San Francisco.
As previously reported refrigeration awarded to York Ice Machinery Co., 234 9th St., San Francisco.

Sub-Contracts Awarded.
ADDITION Cost, $32,000
EMERYVILLE, Alameda Co., Cal.
One-story steel, brick and concrete addition to factory.
Owner—Paraffine Co., Inc., Emeryville
Engineer — Leland Rosener, 233 Sansome St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel—Herrick Iron Works 1729 Campbell St., Oakland.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.

Plans Being Prepared.
FACTORY Cost, $400,000
CALIFORNIA CITY, Marin Co., Cal. (near Tiburon)
One-story storage depot and reeling plant (650x115 ft.) sheet steel walls, steel truss frame work.
Owner—John Roebling Sons Co., 646 Folsom St., San Francisco.
Plans by Engineering Dept. of Owner. Bids will not be asked for several months.

Planned.
IMPROVE WINERY Cost, $100,000
FRESNO, Fresno Co., Cal.
Improve winery (additional cooperage, new bottling equipment, etc.)
Owner — Mount Tivy Winery, Inc. (Lucius Powers, Jr., President), Rowell Bldg., Fresno.
Architect—Not Given.

Planned.
IMPROVE WINERY Cost, $50,000
FRESNO, Fresno Co., Cal.
Improve winery (add new cooperage and equipment, extensive repairs, etc.)
Owner—California Growers Wineries, Inc. (Harry Hitzl), 642 McKinley St., Fresno.
Architect—Not Given.

Contracts Awarded.
ADDITION Cost, $7000
OAKLAND, Alameda Co., Cal. No. 6901 Foothill Blvd.
Alterations and additions to service shed.
Owner—Chevrolet Motor Co., Premises
Plans by Owner.
Sash and Side Walls—F. T. Kennedy, 751 7th St., Oakland.
Cement and Excavation—J. Catucci, 1212 18th St., Oakland.

To Be Done By Day's Work.
ALTER SHEDS Cost, $2000
OAKLAND, Alameda Co., Cal. No. 1700 E-Twelfth Street.
Alterations and additions to sheds and construction of two 1-story sheds
Owner—S. Friedman, 2200 E-12th St., Oakland.
Architect—Not Given.

Sub-Contracts Awarded.
BUILDING Cont. Price, $17,500
SAN FRANCISCO. Tenth and Bryant Streets.
Two-story reinf. concrete keg washing building.
Owner—Milwaukee Brewery, 490 10th Street.
Engineer—W. E. Murray, 908 Hayes Street.
Contractor—Cahill Brothers, 206 Sansome Street.
Lumber—Loop Lumber Co., Central Basin.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Sts.

AWARD.
HAMILTON FIELD, Marin Co., Cal. —K. E Parker Co., 135 South Park, San Francisco, awarded contract by the War Department on January 5, at $34,900 for the construction of an ordnance warehouse and chemical storage building at Hamilton Field, Marin County.

Additional Sub-Contracts Awarded.
ADDITION Cost, $5000
OAKLAND, Alameda Co., Cal. South G Street bet. 89th and 92nd Aves.
One-story steel addition to factory.
Owner—Hazel Atlas Glass Co., foot of 89th Ave., Oakland.
Architect—Not Given.
Concrete—Larsen & Larsen, 629 Bryant St., San Francisco.
Corrugated Iron—W. L. Henry, 1620 Fruitvale Ave., Oakland.
As previously reported, steel contract awarded to Judson Pacific Co., foot of Park Ave., Oakland.

Foundation Contract Awarded.
BREWERY Cost, $50,000
PORT ORCHARD, Washington.
Six-story heavy frame construction brewery.
Owner—Kitsop Brewing Assn., L. E. Woolfolk, Port Orchard, Secretary
Architect—Carl Siebrand, 5016 E. 21st Ave., NE., Seattle.
Foundations—J. A. Holmberg, Port Orchard.
Work has been started. Other awards will be made shortly.

Plans Being Prepared.
WAREHOUSE AND COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Cal. Stockton Waterfront.
Construct one-story warehouse and three-story cotton compress (divided into areas separated by brick firewalls, size varying from 28,000 sq. ft. to 50,000 sq. ft.)
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall, Stockton.
Bids will be asked within ninety days.
Public Works Administration allotted funds in the amount of $230,000 to finance construction.

5— FLATS

Contract Awarded.
ALTERATIONS Cont. Price, $3000
SAN FRANCISCO. SW Thirtieth and Mission Streets.
Alterations to frame flats and stores.
Owner—G. Surian and J. Valla, 3393 Mission Street.
Architect—G. A. Berger, 309 Valencia.
Contractor—Peter Gavazza, 179 Pixley Street.

6—GARAGES & SERVICE STATIONS

Plans Being Completed.
SERVICE STATION Cost, $7000
OAKLAND, Alameda Co., Cal. Harrison St., between 24th and 26th.
Two-unit steel service station, (six pumps).
Owner—General Petroleum Corp., 1924 Broadway, Oakland.
Plans by Engineering Dept. of Owner. Present building on site will be razed.
Bids will be asked in about two weeks.

Contract Awarded.
ALTERATIONS Cost, $4000
OAKLAND, Alameda Co., Cal. No. 1100 Harrison Street.
Alterations and additions to service station.
Owner—Firestone Tire & Rubber Co., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—C. H. Thrams, 28 Home Place, Oakland.

Contract Awarded.
SERVICE STATION Cost, $2000
OAKLAND, Alameda Co., Cal. No. 6232 Colleg Avenue.
One-story steel service station.
Owner—Union Oil Co., 1018 Mills Bldg. San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3440 Laguna Ave., Oakland.

Contract Awarded.
REBUILD GARAGE Cost, $15,000
FRESNO, Fresno Co., Cal. Broadway and Stanislaus Street.
Rebuild present garage building, Spanish type.
Owner—O. L. Everts et al, Fresno.
Architect — Associated Architects of Fresno.
Contractor—Taylor & Wheeler, Power Co. Bldg., Fresno.

Contracts Awarded.
SERVICE STATION Cost, $——
SAN FRANCISCO. NE Bay and Fillmore Streets.
Steel service station.
Owner — Dr. Louis S. Constine, 490 Post St., San Francisco.
Plans by Engineering Dept. of Lessee.
Lessee—Richfield Oil Co., 248 Battery St., San Francisco.
Contractor—Fred J. Early, 369 Pine St., San Francisco.
Steam Shovel — Sibley Grading & Teaming Co., 165 Landers St.
Steel—Michel & Pfeffer Iron Works, Harrison and Tenth Sts.
Electric—Collonan Elec. & Mfg. Co., 3201 Mission St.

Planned.
SERVICE STATION Cost, $——
PORTERVILLE, Tulare Co., Cal. Mill and D Streets.
Super service station (100x110 feet); steel construction, stucco exterior, rest rooms, hoists, etc.
Owner—Gilmore Oil Co., 2423 E. 28th St., Vernon.
Plans by Engineering Dept. of Owner.

Work To Start Shortly.
SERVICE STATION Cost, $——
OAKLAND, Alameda Co., Calif. NE Webster and 23rd Sts.
Construct super service station.
Owner—United Auto Repair Co., 2342 Valdez St., Oakland.
Plans by E. F. Sanctuary, 1070 65th St., Oakland.
Work will be done under the owner's supervision.

Preparing Preliminary Plans.
GARAGE Cost, $4000
BERKELEY, Alameda Co., Cal. San Pablo Avenue.
One-story reinforced concrete garage (tar and gravel roof, concrete floors, steel sash, etc.)
Owner—Withheld.
Engineer—J. H. Piatt, 2024 University Ave., Berkeley.

Sub-Contracts Awarded.
SERVICE STATION Cost, $5000
BERKELEY, Alameda Co., Cal. San Pablo Ave. and Pardee St.
Super service station.
Owner and Builder—H. P. Herhelm, 3278 Arizona St., Oakland.
Electric—Bradshaw Electric Co., 2016 Shattuck Ave., Berkeley.
Roofing—Walter C. James, 2646 66th Ave., Oakland.
Pumps—Rheem Mfg. Co., Chesley at Southern Pacific Tracks, Richmond

7—FEDERAL BUILDING

FUNDS ALLOTTED

PORT TOWNSEND, Wash.—Public Works Administration allotted $270,000 to Treasury Department, Public Works Branch to finance construction of a new quarantine station at Port Townsend, Washington. 7

FUNDS ALLOTTED.

PEARL HARBOR, T. H.—Public Works Administration allotted $800,000 to the Bureau of Yards and Docks Navy Department, for the construction of radio communication facilities at Pearl Harbor, T. H. Work includes erection of radio towers, new general facilities building, quarters, barracks and mess halls. Plans have been completed and work will be started at an early date.

FUNDS ALLOTTED.

SUMMIT, Canal Zone.—The Public Works Administration allotted $600,000 to the Bureau of Yards and Docks Navy Department, for the construction of radio communication facilities at Summit. Work will include construction of radio towers, general facilities building, quarters, barracks and mess halls. Plans for improvements have been completed and the work start shortly.

CONTRACT AWARDED.

ALCATRAZ ISLAND—Stewart Iron Works Co., Cincinnati, Ohio, at $218,703 awarded contract by the Bureau of Prisons for revamping jail at Alcatraz Island. Work involves new cell blocks, locking equipment, doors, etc. Complete bids published Jan. 3.

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FUNDS ALLOTTED

WASHINGTON, D. C.—The Treasury Department has been allotted funds for the construction of Federal buildings, including an extension to the customs house at Denver, to cost $870,000; a quarantine station at Port Townsend, Wash., to cost $270,000; a public health laboratory at Hamilton, Mont., to cost $132,000, and an inspection station at Naco, Ariz., to cost $66,000.

PROSPECTIVE BIDDERS

HAMILTON FIELD, Marin Co., Cal.—Following have procured plans for the purpose of submitting bids to the Construction Quartermaster, Hamilton Field, on January 16 for the construction of Bachelor Officers' Quarters at Hamilton Field:

Western Iron & Body Works, 4063 Emery St., Emeryville.

K. E. Parker Co., 135 South Park, San Francisco.

Mangrum Holbrook Co., 1235 Mission St., San Francisco.

A. W. Parker, 5526 Morse Drive, Oakland.

Concrete Engineering Co., 1450 Mirasol St., Los Angeles.

Dunham, Carrigan and Hayden, Kansas and Division Sts., San Francisco.

Edgar W. Anderson, 3103 San Pablo Ave., Oakland.

Eureka Electric Radio Co., 3469 Mission St., San Francisco.

Palace Hardware Co., 581 Market St., San Francisco.

H. L. Petersen, 731 Treat Ave., San Francisco.

San Francisco Constr. Co., 3159 Fillmore St., San Francisco.

William Spivock, Hobart Bldg., San Francisco.

W. Olsen & Son, Petaluma.

Scott Co., 143 Minna St., San Francisco.

Truscon Steel Co., Atlas Bldg., San Francisco.

Reilly & Grace, 703 Market St., San Francisco.

J. A. Fazio, 402 Castro St., Oakland.

Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

W. G. Thompson, 336 Church St., San Francisco.

Soule Steel Co., 1750 Army St., San Francisco.

Schuler & McDonald, 1723 Webster St., Oakland.

V. L. Burt, 2487 24th Ave., San Francisco.

Richmond Sheet Metal Works, Richmond.

Tacoma Mill & Supply Co., Tacoma.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.—William Spivock, Hobart Bldg., San Francisco, awarded contract by War Department for the construction of five double sets of non-commissioned officers' quarters at Hamilton Field. The sub-contracts in connection with this project reported in our issue of December 26. Contract price, $54,900.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until January 11, 2 P. M., bids will be received by Post Quartermaster, Hamilton Field, for furnishing and installing linoleum in new kitchens of the Non-Commissioned Officers' Quarters at Hamilton Field. On previous call for bids, all bids were rejected as they did not comply with specifications.

CONTRACT AWARDED

SEATTLE, Wash. — General Fireproofing Co., Mills Bldg., Washington, D. C., at $17,861.38 awarded contract by Treasury Department for metal shelving and counters in the Federal Office Building at Seattle.

Additional Sub-Contracts Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal building, (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 261 Kearny Street.
Contractor—Great Lakes Const. Co., 333 N Michigan Ave., Chicago.
James R. Pursell, Room 1707, William Taylor Hotel, is in charge of construction.
Mill Work—Hall Woodworking Co., Chicago.
Marble—Anderson Marble Co. Chicago
Asphalt Tile—David E. Kennedy, San Francisco.
Building Hardware—Yale & Towne, 7 Front St., San Francisco.
As previously reported, structural steel awarded to McClintic - Marshall Corp., 20th & Illinois Sts.; reinforcing steel to Truscon Steel Co., Atlas Bldg. rolling reinforcing steel to Judson-Pacific Co., 609 Mission St.; cement to Santa Cruz Portland Cement Co., Crocker Bldg.

CONTRACT AWARDED.

HAMILTON FIELD, Marin Co., Cal.—Azevedo and Sarmento, 920 O St., Sacramento, awarded the mill contract to National Mill & Lumber Co., 230 California St., San Francisco, for the one-story concrete and tile mess building at Hamilton Field. Other awards reported December 19.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal. — Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on January 18 for the clearing of the site for the U. S. Post Office Building in Los Angeles:

Lewis & Co., 4569 Whittier Blvd., Los Angeles.

Cuyahoga House Wrecking Co., 6311 Kinsman Road, Cor. Grand Ave., Cleveland, Ohio.

E. D. Stern, 2085 E. Randolph St., Huntington Park.

California Wrecking Co., F. G. Nutting San Francisco.

Shartzer Wrecking & Excavating Co., Dayton, Ohio.

American Wrecking Co., 3800 Milwaukee Ave., Chicago, Ill.

American Wrecking Co., 1114 F St., N.E., Washington, D. C.

Cleveland Wrecking Co., 1415 Harrison Ave., Cincinnati, Ohio.

Globe Wrecking Co., 201 N. Wells St., Chicago, Ill.

Samuel H. Tuber, 1556 Ansel Road, Cleveland, Ohio.

Harris Wrecking Co., 2915 S. La Salle St., Chicago, Ill.

Rose Bros. Lumber & Supply Co., 1221 6th Ave., No., Minneapolis, Minn.

Ogden Wrecking Co., 5601 Ogden Ave., Cicero, Ill.

Thos. M. Madden Co., 4610 W. Van Buren St., Chicago, Ill.

Goldman Wrecking Co., 1427 Eye St., N. W., Washington, D. C.

Los Angeles Wrecking Co., 810 East Ninth St., Los Angeles.

Cleveland Wrecking Co., 1415 Harrison Ave., Cincinnati, Ohio.

Cleveland Wrecking Co., 1215 Sixth Ave., No., Minneapolis, Minn.

Arthur A. Parker Co., 988 Bergenline Ave., Union City, N. J.

Cleveland Wrecking Co., 175 East Jefferson Blvd., Los Angeles.

BIDS WANTED

SACRAMENTO, Cal.—Until January 25, 2 P. M., bids will be received by the Custodian, U. S. Post Office Building, Sacramento, for miscellaneous changes in the U. S. Post Office and Courthouse in Sacramento. Work involves expansion joint in concrete and alterations to doors, etc.

COMPLETING PLANS

SAN PEDRO, Los Angeles Co., Cal.—Treasury Department has approved the Eighth and Beacon St. location for the San Pedro Federal building to be erected at a cost of approximately $450,000. It will be a three-story and basement Class A structure, covering an area of 250x100 feet, and will house the post office, customs department, immigration and public health service, steamboat inspection service, shipping commission and hydrographic office. Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, and W. Horace Austin, 532 Chestnut Ave., Long Beach, architects for the building, have working drawings practically complete.

BIDS WANTED.

HAMILTON FIELD, Marin Co., Cal.—Until January 25, 2 P. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of porch enclosures for twelve types "A" and "B" commissioned officers' quarters buildings Nos. 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133 and 135. Plans and specifications available from above office.

LOW BIDDERS.

FT. LEWIS, Wash.—Erickson, Roberts & Johnson, Tacoma, at $99,639 submitted low bid to Constructing

Quartermaster, Fort Lewis, to construct gun sheds for 155 mm. guns, including untilities at Fort Lewis. Second low bid was submitted by the West Coast Const. Co., Seattle, at $99,975 and Emil Pohl, Seattle, third low at $101,600. Howard S. Wright & Co., Inc., Seattle, submitted low bid for the construction of stables at $31,950; J. W. Bailey Const. Co., Seattle, second low at $33,366 and West Coast Const. Co., Seattle, third low at $33,725.

8— CLUB BUILDINGS

Sub-Contracts Awarded.
ADDITION Cost, $——
SAN FRANCISCO. Yacht Harbor.
Addition and alterations to clubhouse.
Owner—St. Francis Yacht Club, Yacht Harbor.
Architect — Willis Polk Co. (Angus McSweeney, Architect), 277 Pine St., San Francisco.
Architect—A. F. Mattock, 212 Clara St., San Francisco.
Sheet Metal Work—Morrison Co., 74 Duboce Ave., San Francisco.
Miscellaneous Iron Work—Fair Mfg. Co., 617 Bryant St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Heating—W. E. Trousdale, 422 Turk St., San Francisco.
Tiling—Mangrum-Holbrook Co., 1235 Mission St., San Francisco.

Planned.
REMODEL HALL Cost, $——
TURLOCK, Stanislaus Co., Cal. Center Street.
Remodel 2-story building for Legion hall.
Owner — American Legion, Rex Ish Post No. 88, Turlock (Lew W. Boies, in charge).
Architect—Not Selected.

Preparing Working Drawings.
MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust St. and Mineral King Ave.
Two-story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain two lodge rooms, banquet club and reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Assn.
Architect — P. L. Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.
Bids will be asked in about five weeks.

Mill Contract Awarded.
ALTERATIONS Cont. Price, $3768
MENLO PARK, San Mateo Co., Calif. Woodside Road.
Alterations and additions for club house (construct concrete retaining wall, beams in ceiling, partition work, mill work, etc.)
Owner—Menlo Country Club, Woodside Road, Menlo Park.
Architect—Gardner Dailey, 210 Post St., San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.
Mill Work — Pacific Mfg. Co., Santa Clara.

9— HOSPITALS

Preparing Working Drawings.
HOSPITAL Cost, $75,000
GRASS VALLEY, Nevada Co., Cal.
Two-story and basement brick and steel Class C hospital (52 beds; 42x212 ft.) composition roof, metal lath partitions, tile floors, steam heating plant, X-Ray equip., etc.
Owner—Legion Memorial Hospital.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Equipment will cost approximately $12,000. Bids will be asked about March 1.

SEEK FEDERAL AID.
AGNEW, Santa Clara Co., Calif.—State of California will make application to Public Works Administration for a loan of $4,000,000 to finance construction of improvements at the Agnew State Hospital. Proposed work involves:
Twelve ward buildings each housing 120 patients.
Two hydrotherapy buildings, capacity 150 patients each.
Hospital for sick employees.
Two nurses' home.
Two physicians' residences.
Two occupational therapy workshops.
Additions to kitchen, laundry, canning plant and additional storerooms.
New sewer line.
At the annex two miles east of the "home plant," the program would provide the following buildings, completing that unit along the lines originally laid out by the late Dr. Leonard Stocking:
Four large hospital buildings, capacity 40 patients each.
Four nurses' homes.
Two physicians' residences.
Central heating plant and central kitchen.
Should this program be approved, Dr. Scanland reports that the Agnew plant would accommodate from 5000 to 6000 patients.

PLANNED.
SEATTLE, Wash. — The cities of Seattle, Tacoma and Portland will offer the federal government a site for the proposed $2,250,000 psychiatric hospital to be constructed by the U. S. Public Health Service. The city making the most attractive offer of a site comprising 750 acres will obtain the hospital, according to Dr. L. D. Fricks, Seattle District Medical Officer. Further details will be announced at a later date.

BIDS WANTED
VISALIA, Tulare Co., Calif.—Until 10 A. M., Jan. 16, bids will be received by the Tulare county supervisors for supplies and materials to be used in the erection of a detention home. Separate bids are required as follows:
(1) Tile work;
(2) Linoleum;
(3) Masonry;
(4) Roofing;
(5) Hardware;
(6) Steel and Iron;
(7) Heating;
(8) Plumbing;
(9) Mill work and glazing;
(10) Paints.
Specifications may be examined at the office of the board in Visalia. Gladys Stewart, clerk.

ALLOTMENT APPROVED.
OLIVE VIEW, Los Angeles Co., Calif.—Public Works Administration, on January 4 approved an allotment of $508,800 to Los Angeles County for financing the construction of four ward buildings, four employes' buildings and a kitchen and dining room unit at Olive View sanitarium. Plans for the project are in course of preparation in the office of Wm. Davidson, Los Angeles county mechanical engineer, Hall of Records, and are about 80 per cent complete.

CONTRACT AWARDED.
SAN FRANCISCO.—Regents of the University of California awarded a contract at $1,027 for steel lockers to the Lyon Metal Products Co., Inc., 582 Market St., for the Dental Clinic, University of California Hospital, 1st and Parnassus Avenues.

HOSPITAL BLDG. Cost, $40,000
Preparing Working Drawings.
HOSPITAL BLDG. Cost, $30,000
SACRAMENTO, Sacramento Co., Cal. County Hospital grounds.
One-story and basement concrete and brick addition to women's home building.
Owner—Sacramento County.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Funds were recently allotted by the Public Works Administration to finance construction.

Plans Being Prepared.
SERVICE BLDG. Cost, $56,000
SAN JOSE, Santa Clara Co., Calif. County Hospital grounds.
One-story reinforced concrete service building for almshouse.
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Public Works Administration has allotted $56,000 to finance construction. Binder and Curtis, 35 W San Carlos St., San Jose, were previously reported as being the architects, which was in error.

FIRE LOSS.
REDWOOD CITY, San Mateo Co., Cal.—The Canyon Sanitarium nurses' building was destroyed by fire January 9. The building was a two-story structure and damage is estimated at $25,000. Dr. Ralph B. Scheier, Hillsborough, is the owner.

10— HOTELS

Plans Being Prepared.
REMODEL HOTEL Cost, $——
SAN FRANCISCO. Geary and Taylor Streets.
Extensive remodeling to hotel (new furnishings, plumbing, mechanical equipment, etc.)
Owner—Allied Properties (Clift Hotel), Allan Pollack, Manager.
Architect—G. Albert Lansburgh, 140 New Montgomery St., San Francisco.
Bids will be asked within a few weeks.

12— POWER PLANTS

FUNDS APPLIED FOR.
SONOMA COUNTY, Cal.—The Geysers Development Co., Room 952, 417 S Hill St., Los Angeles, has applied to the Federal Administration of Public Works for a loan of $250,000 to finance the construction of a geothermal steam turbine electric generating plant at the "Geysers," located in the northeast portion of Sonoma County, and the extension of a high tension line from that point to the City of Healdsburg, a distance of 15 miles.
C. Lee Straub, Mosswood Rd., Berkeley, is the engineer.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

ASK FEDERAL AID
SANTA ANA, Orange Co., Cal.—City of Santa Ana applied to Public Works Administration for a loan of $70,000 and a grant of $30,000 for financing the construction of a city hall at Third and Main Sts., Santa Ana. The city voted bonds in the sum of $70,000 on December 19 to be used as security for the loan. The proposed building will be a three-story and basement Class B structure. W. Horace Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, architects.

PLANNED
CORCORAN, Kings Co., Cal.—City of Corcoran is contemplating the erection of a library in the near future. The sum of $2500 was included in the budget some years ago by the Supervisors and if that sum is still avail-

able CWA labor may be secured to construct the building. Further details will be announced shortly.

TO ASK FEDERAL AID

SEATTLE, Wash. — King County Commissioners will ask Civil Works Administration for $1,455,205 to finance construction of tuberculosis hospital, county home and power house in Seattle. 13

FUNDS ALLOCATED

OCEANSIDE, San Diego Co., Cal.—Public Works Administration, on January 5, approved an allotment of $40,000 to the City of Oceanside for financing the construction of a city hall and a library building in Oceanside. Virgil Westbrook, San Clemente, architect.

FUNDS ALLOCATED

SAN JOSE, Santa Clara Co., Cal.—Public Works Administration allotted $460,000 to the City of San Jose to finance construction of a civic auditorium in San Jose. Binder & Curtis, 35 W. San Carlos St., San Jose, architects. An election to vote bonds in the amount of $375,000 is being held by the City on Feburary 18.

Funds Allocated.

LIBRARY Cost, $250,000
BAKERSFIELD, Kern Co., Cal. Seventeenth and K Sts.
Two-story and basement reinforced concrete library building (main floor will have reading rooms, lobby, order departments, stack rooms, etc., and second floor will have exhibition room, display room, staff room, storage stack rooms, etc.)
Owner—County of Kern.
Architect—Chas. H. Biggar, Haberfelde Bldg., Bakersfield.
Public Works Administration allotted $274,000 to the county to finance construction.

AWARDS RECOMMENDED

SANTA MARIA, Santa Barbara Co., Cal.—Santa Maria City Council recommended to the Public Works Administrtion that O. H. Strauser, 900 Dawson Ave., Long Beach, be awarded the general contract at $50,847, for the construction of a building in Santa Maria to house city offices, fire station and jail. Recommendation was also made that other contracts be awarded to the following: E. M. Payne, 840 Monterey St., San Luis Obispo, plumbing and sheet metal at $3176; Mission Electric Co., 1020 State St., Santa Barbara, electric work at $1646; Kyle Roofing Co., Santa Maria, roofing at $5368 E. M. Payne; heating and ventilating at $2838.50; Patterson Brothers, 573 Santa Rosa Ave., Berkeley, painting at $1474. Louis N. Crawford, 8 Gibson - Drexler Bldg., Santa Maria, is the architect. The building will be reinforced concrete structure with part stone trim, ornamental iron, tile roof, concrete floors, cork, tile and linoleum floor covering, vault, intercommunicating telephone system, hot air furnace, steel sash, tile work, etc. Public Works Administration recently allotted a grant of $12,100 to be applied on the cost of constructing the building.

PREPARING PLANS

SANTA ANA, Orange Co., Cal.—Architects W. Horace Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, are preparing preliminary plans for a three-story and basement Class B City Hall building to be built at the corner of third and Main Sts., Santa Ana. Bonds in the sum of $70,000 were voted December 19, with a provision that the bonds will not be sold unless the Federal government guarantees to grant $30,000 on the project.

PLANS PREPARED

LOS ANGELES, Cal.—Los Angeles Bureau of Construction, C. O. Brittain, superintendent, City Hall, has prepared plans and will supervise alterations to the first floor of the city hall to provide court rooms. The work will be handled by day labor, requisitions to be sent through the city purchasing agent's office for bids on certain sub-trades. Work will consist of the removal of hollow tile, plaster and wood partitions and the installation of fixtures, toilets, etc. Estimated cost $54,000.

Commissioned To Prepare Plans.

FIRE HOUSE Cost, $20,000
SACRAMENTO, Sacramento Co., Cal. Vallejo Way and Freeport Blvd.
Construct new fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Public Works Administration has made a grant of $3000 and a loan of $17,000 to finance construction.

Preparing Working Drawings.

ALTERATIONS Cost, $40,000
WEAVERVILLE, Trinity Co., Cal.
Alterations and additions to present two - story brick court house and construction of 2-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)
Owner—County of Trinity.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Bids will be asked February 1.

Plans Being Completed.

ADDITION Cost, $450,000
SEATTLE, Washington.
Wing addition to library (concrete and brick construction).
Owner—University of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Bids will be asked in about three weeks.

Planned.

CITY HALL Cost, $——
CORNING, Tehama Co., Calif.
Two-story building (to house city offices, fire station and jail).
Owner—City of Corning.
Architect—Not Given.
A proposal to construct the building has been presented to the city council as a CWA project.

FUNDS ALLOTTED

BELL, Los Angeles Co., Cal.—Public Works Administration, on Jan. 4, approved an allottment of $80,000 to the City of Belll for financing the construction of a city hall, swimming pool and tennis courts in Bell. The program contemplates a city hall to contain 13,240 square feet of floor space, swimming pool, 31x105 feet, with filteration and chlorination equipment, bathhouse to contain 2340 square feet of floor space, and tennis courts. Preliminary plans for the city hall were prepared several months ago by Owensby Company (R. Van Euren Livingston, architect), Huntington Park.

FUNDS ALLOTTED

SACRAMENTO, Cal.—City of Sacramento has been granted an allocation of $17,000 to be used in financing the construction of a three-story reinforced concrete addition to the Sacramento City Hall. Total cost of the addition is estimated at $70,000. Harry J. Devine, California State Life Bldg., Sacramento, Architect.

PLANNED

REDLANDS, San Bernardino Co., Cal.—Redlands city hall project will probably be submitted to Civil Works Administration this month. Proposed building will be a fireproof structure, costing approximately $76,000. Howard E. Jones, 518 Andreson Bldg., San Bernardino, architect.

BOND ELECTION

SAN JOSE, Santa Clara Co., Cal.—City of San Jose, will hold an election on February 13 to vote bonds in the amount of $375,000 to finance construction of a civic auditorium in San Jose. Binder & Curtis, 35 W. San Carlos St., San Jose, architects.

SEEK FUNDS

ALBUQUERQUE, N. M.—Albuquerque has applied to the Public Works Administration for a loan of $300,000 to finance the construction of a civic auditorium in that city. The proposed building will seat about 2500 persons.

Segregated Bids Being Taken.

RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. St. James Wood.
Two-story and basement frame, stucco and brick residence (9 rooms and 2 baths); shake roof, gas heating system, hardwood floors and trim, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Plans Being Completed.

RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Stonewall Road.
Two-story and basement frame and stucco residence (9 rooms and 3 baths) shake roof, oil heating system, hardwood floors and trim, electric refrigeration.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked in about ten days

To Be Done By Day's Work.

RESIDENCE Cost, $5000
SAN FRANCISCO. W Thirty-second Ave. 50 N Rivera St.
One-story and basement frame and stucco residence.
Owner—Golden Gate Investment Co., 1143 Grant Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.

Preparing Working Drawings.

RESIDENCE Cost, $12,500
WALNUT CREEK, Contra Costa Co.
Two-story steel and brick residence (7 rooms and 2 baths) steel joists and rafters, exterior and interior brick walls, cement mortar, etc.
Owner—Earl Barnett.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked within 30 days.

Preparing Working Drawings.

ALTER RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Calif.
Alterations to two-story frame and brick veneer residence.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked within 3 weeks.

Plans Being Figured.

RESIDENCE Cost, $10,000
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and brick veneer residence (8 rooms and 3 baths); shingle roof, gas heating system, tiled baths, hardwood floors, etc.
Owner—C. Cole.
Architect—Fred Reimers, 233 Post St., San Francisco.

Sub-Contracts Awarded.

RESIDENCE Cost, $25,000
SAN FRANCISCO. NE Pacific Ave. and Divisadero Street.
Two-story, basement and attic frame and stucco residence (13 rooms and 4 baths).

Owner—Paul Bissinger, 3885 Jackson Street.
Architect—Angus McSweeney, 277 Pine Street.
Contractor—A. F. Mattock, 212 Clara Street.
Excavation—Devencenzi Brothers, 150 Collins Street.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Avenue.
Millwork—National Mill and Lumber Co., 230 California St.
Cast Stone Mantels—O. F. Larsen Co. 480 Potrero Avenue.
Plumbing and Heating—J. H. Pinkerton Co., 927 Howard St.
Sheet Metal Work—Metal Const. Co.
Roofing—Slate Roofing Co., 5324 Manila St., Oakland.
Brickwork—Wm. Rainey & Son, 327 Clementina Street.
Hardwood Floors—Royal Floor Co. 600 Seventh Street.
Glass—Habenicht & Howlett, 529 Clay Street.
Screens—Domestic Bldg. Products Co.

14— RESIDENCES

Work Started.
REMODEL RESIDENCE Cost, $2500
LAFAYETTE, Contra Costa Co., Cal.
Remodel frame farm house (add two rooms and balcony, new shake roof, hardwood floors add one tile bath).
Owner—Mr. McKinney.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—F. W. Confer, 2800 Shasta Road, Berkeley.

Contract Awarded.
ALTERATIONS Cont. Price, $53,200
HILLSBOROUGH, San Mateo County, Cal. Easton Drive.
Alterations and additions to two-story and basement frame residence (add rooms, new plumbing, heating, wiring, mill work, etc.)
Owner—Paul I. Fagan, Hillsborough.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, $——
BERKELEY, Alameda County, Cal. Wellesley Ave. near Arlington.
One-story frame and stucco residence (4 rooms) shingle roof, steel sash, hot air heating system, hardwood floors, etc.
Architect—F. L. R. Confer, 2812 Russell St., Berkeley.
Contractor—F. W. Confer, 2800 Shasta Ave., Berkeley.
Sub-bids are being taken on roofing, plumbing, hardwood flooring, sheet metal, steel sash, electric wiring and painting.

Sub-Contracts Awarded.
RESIDENCE Cost, $5500
OAKLAND, Alameda Co., Calif. 4107 Oakmore Highlands.
Two-story frame and stucco residence (6 rooms) shingle roof, gas heating system, hardwood floors, English type.
Owner and Builder—A. H. Monez, 4350 Bridgeview Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Plastering—Harry Mortensen, 4060 E 18th St., Oakland.
Plumbing—J. R. Pierce Plbg. Co., 7109 E 14th St., Oakland.
Shake Roof Materials—Marshal Shingle Co., 3729 Telegraph Ave., Oakland.
Painting—Thomas Scanlan, 2199 40th Ave., Oakland.
Sash and Doors—Western Door and Sash Co., 5th and Cypress, Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. 34 Oval Road.
One-story and basement frame and stucco residence (5 rooms).
Owner—J. S. Wiggins, 5733 Grisborne Ave., Oakland.
Architect—Not Given.
Millwork—Western Sash & Door Co., 5th and Cypress, Oakland.
Flooring—Ability Hardwood Floor Co. 1807 40th Ave., Oakland.
Tile—East Bay Tile Co., 425 San Pablo Ave., Albany.
Sheet Metal—David Barnes, 1029 Aquarius Way, Oakland.
Ornamental Iron Work—J. M. Neilsen Orn. Iron Work, 1804 Harmon St., Berkeley.

Segregated Bids Being Taken.
RESIDENCE Cost, $6000
SAN FRANCISCO. Stockton and O'Farrell Streets.
One-story precast residence (5 rooms and breakfast room; penthouse on roof of nine-story department store building) hot air heating system.
Owner—O'Connor Moffatt & Company, Premises.
Architect—O. A. Delchmann, 110 Sutter St., San Francisco.
Landscape gardening, gas, enclosed dining terrace, etc.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 4243 Atlas Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Mid-Valley Corp., Fruitvale Medical Bldg., Oakland.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland.

Plans Being Figured.
RESIDENCE Cost, 17,000
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and stucco residence 11 rooms and 4 baths); shake roof, pine and oak floors, hot water heating system, etc.
Owner—Withheld.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.

Plans Being Figured.
RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story and basement frame, brick veneer, stucco residence (8 rooms and 3 baths) split shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Owner—Dr. and Mrs. S. B. Randall,% Architect.
Architect—W. W. Wurster, 260 California St., San Francisco.

15— SCHOOLS

PLANNED.
SAN GABRIEL, Los Angeles Co., Calif.—San Gabriel School Board has received from the State Division of Architecture a report on the division's inspection of San Gabriel schools Recommendations for strengthening the buildings to eliminate earthquake damage hazard, acccompanied the report. Ways and means of meeting the state standards are being considered by the board.

Commissioned To Prepare Plans.
SCHOOL IMP. Cost, $120,000
SAN MATEO COUNTY, Calif.
Alterations and additions to school buildings in San Mateo and Burlingame.
Owner—San Mateo Junior College District.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Following schools will be improved:
San Mateo high school;
Burlingame high school;
San Mateo Applied Arts Bldg.

PLANNED
PASADENA, Los Angeles Co., Cal. —Pasadena Board of Education has approved architectural contracts for repairing four elementry schools as follows:
Jackson School; Marston & Maybury, architects; cost $115,000.
Longfellow School; Marston & Maybury, architects; cost $110,000.
Madison School; Bennett & Haskell, architects; cost $110,000.
Washington School; Frederick Kennedy Jr., architect; cost $100,000.
Construction will start as soon as the sale of the elementary district school bonds is assured.

SURVEY BEING MADE
PITTSBURG, Contra Costa Co., Cal. —H. J. Brunnler, Engineer, Sharon Bldg., San Francisco, is making a survey of school buildings in Pittsburg to determine their safety and to make a report on the type of improvements necessary and the costs.

Preparing Preliminary Plans.
LIBRARY $45,000
MODESTO, Stanislaus Co., Cal. Junior College.
Library unit for the Modesto Junior College.
Owner—Modesto Junior College Dist. (C. Shakelford, president of the board).
Architect—J. J. Donovan, 950 Parker St., Berkeley.

PLANNED
PASADENA, Los Angeles Co., Cal. —Pasadena Board of Education has requested the State Board of Equalization for permission to use approximately $100,000 of its reserve funds to erect temporary bungalows to house students of the Pasadena Junior College and the Washington High School. Preliminary plans are being prepared by the Board of Education for 60 bungalows at the Junior College and 35 bungalows for the Washington High School. Bids will be taken as soon as funds are available. Construction will probably be frame with canvas sides and top.

BOND ELECTION POSTPONED ....
ALHAMBRA, Los Angeles Co., Cal. —The Alhambra School Board voted to call of the $400,000 bond issue election set for January 30 and to defer all action on proposed school rehabilitation program. It was stated, before any construction program was started, additional information would be secured from a recent report of the county grand jury upon earthquake conditions in relationship to schools. A motion was also passed authorizing abandonment of any schools or buildings thought to be unsafe, and the construction of temporary bungalows on the sites of condemned schools.

FUNDS ALLOCATED .....
INYOKERN, Kern Co., Cal.—Public Works Administration allotted $11,000 to Indian Wells Valley Union School District to finance construction of a two-classroom school building in Inyokern.

FUNDS ALLOCATED.
LOS ANGELES, Cal.—Public W'ks Administration on January 6 approved an allotment of $9,380,000 to the Los Angeles School District for financing repairs to earthquake-damaged schools in Los Angeles. With funds to be furnished by the district, the allotment will provide a total of $10,880,000 for a program of reconstruction involving about 130 schools. The cost of completely re-

habilitating all Los Angeles schools is estimated at $31,272,497.

Contract Awarded.
SCHOOL Cost, $25,000
RICHMOND, Contra Costa Co., Cal.
Rebuilding & reinforcement of Roosevelt Junior High School, work involves steel girders, new entrances concrete stairways, etc.
Ownr—Richmond Union High School District.
Architect—Louis Stone, 98 Ramona St., Piedmont and 354 Hobart St., Oakland.
Inspector—E. J. Freethy, 1301 Roosevelt Ave., Richmond.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., San Francisco, at $17,691.
Following bids received:
Schrader Iron Works, S. F...(a) $17,691
(b) 19,306
Judson-Pacific Co., S. F.....(a) 18,250
Independent Iron Wks., Oakland .....(a) 19,044
(b) 18,900
Herrick Iron Works, Oakland .....(a) 19,760
(b) 20,400

Preparing Working Drawings.
HIGH SCHOOL Cost, $60,000
COVELO, Mendocino Co., Cal.
high school buildings (6 classroom academic building, gymnasium and shop) built-up composition roofing, steam heating system to connect to grammar school.
Owner — Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).
Architect — Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

PLANNED

POMONA, Los Angeles Co., Cal.—Architect T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, have submitted a report to Pomona Board of Education recommending that Garey, Hamilton, Kauffman and San Antonio elementary school be replaced by new structures at an estimated cost of $401,200 and that three other buildings be strengthened as follows: Alcott school, estimated cost $17,000; Washington school, estimated cost $40,000; and Roosevelt school, estimated cost $48,000. Replacement of the first named schools with reinforced concrete structures was estimated to cost, individually, as follows: Garey, $99,000; Hamilton, $103,000; Kauffman, $96,700 and San Antonio, $102,500. An application for federal funds to finance the work will probably be made.

AWARD

HUNTINGTON PARK, Los Angeles Co., Cal.—Harman Pacific Co., 422 E. 3rd St., Los Angeles, awarded contract at $28,590 for the erection of an auditorium and classroom building at St. Matthias Parish, located at Belgrave and Stafford Aves., Huntington Park for the Roman Catholic Bishop of Los Angeles and San Diego. Plans by Architects Henry Carlton Newton and Robert Dennis Murray, 502 Architects' Bldg., Los Angeles.

COMMISSIONED TO PREPARE PLANS

COSTA MESA, Orange Co., Cal.—Architect and Engineer H. E. Mackie and John P. Perrine, 341 Western Pacific Bldg., Los Angeles, have been commissioned to prepare plans for reconstructing the Costa Mesa school. Cost estimated at $70,000. Work will start soon on a shop building, 35x102 feet in area and a garage building, 26x36 feet in area. Work will be done by CWA labor and materials will be salvaged from the classroom and administration buildings now being wrecked.

TO MAKE SURVEY

MONROVIA, Los Angeles Co., Cal.—Architects Allison & Allison, Edison Bldg., Los Angeles, has been authorized by the Monrovia City School District to make a preliminary survey of the Monrovia grammar schools regarding their earthquake resistance. The architects will present plans to the school board when the survey has been completed, with their recommendation as to whether the schools should be rehabilitated or razed and constructed anew. An estimate of the cost involved is also to be submitted.

Plans Completed.
SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium); tile roof, steam heating system, wood floors, etc.
Owner — North Grant Union High School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Plans will be checked and bids asked shortly.
Public Works Administration allotted $164,000 to finance construction.

FUNDS ALLOTTED

FORT JONES, Siskiyou Co., Cal.—Public Works Administration, allotted $4000 to the Fort Jones Union Elementary School District to assist in financing the construction of a one-story wood frame grammar school to contain three classrooms. Starks & Flanders, Forum Bldg., Sacramento architects. Cost of building is estimated at $11,000.

Low Bidders.
SCHOOL Cost, $150,000
VANCOUVER, Washington.
Four-story reinforced concrete and brick school building, 150x150 feet (15 classrooms, auditorium, 90x100 feet, gymnasium, cafeteria, laboratories, etc.)
Owner—Vancouver High School Dist.
Architect — W. F. Higgins, Terminal Sales Bldg., & Donald J. Stewart of Seattle.

General Work
George Isaacson, Portland, Oregon, at $108,967.
Only other bid on general work was submitted by L. H. Hoffman Co., Portland, at $118,381.

Plumbing
Thomas Maddock, Camas, at $6364.

Electric
Morrison Electric Co., Portland, at $9422.

Heating and Ventilating
C. H. Hastorf Co., Portland, at $28,285.
Bids held under advisement.

COMMISSIONED TO PREPARE PLANS

WILLOWBROOK, Los Angeles Co., Cal.—Architect and Engineer Herbert E. Mackie and John P. Perrine, 341 Western Pacific Bldg., Los Angeles, have been commissioned by the Willow brook School District to prepare plans for reconstruction work at the Willowbrook school. Cost $35,700.
15

SEEK FUNDS.

SAN BERNARDINO, Calif. — San Bernardino Valley Junior College applied to the Public Works Administration for a loan of $259,075 and a grant of $90,908 with which to finance the construction of an auditorium at the college.

SEEK FUNDS

LYNWOOD, Los Angeles Co., Cal.—Lynwood Elementary School Dist. applied to the Public Works Administration for a loan of $163,150 and a grant of $41,771 to finance reconstruction of the George Washington, Theodore Roosevelt, Abraham Lincoln, Woodrow Wilson and Chas. A. Lindberg schools in Lynwood. Marsh, Smith & Powell, Architects' Bldg., Los Angeles, architects.

LOAN GRANTED

DELANO, Kern Co., Cal.—Public Works Administration grant a loan of $60,000 to the Delano Union Grammar School District to finance construction of a school auditorium. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, architect.

Bids Wanted—To Close Jan. 18, 10 A. M.
SCHOOL Cost, $15,000
HOLLISTER, San Benito Co., Cal.
One-story reinforced concrete primary school (4 classrooms) tile roof, wood floors, etc.
Owner — Hollister Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bids are being received by Harriet H. Johnson, Clerk, for lumber, roof, tiling, sand, rock and gravel in connection with above. Specifications on file in the office of C. M. McKee, % Brown & Chappell Co., 328 Fourth St., Hollister.

To Be Done By Day's Work.
TEMPORARY BLDGS. Cost, $——
BERKELEY, Alameda Co., Cal.
Four one-story frame temporary bungalows (to house children while survey is being made).
Owner—Berkeley City School District
Architect—John J. Donovan, 950 Parker St., Berkeley.
Work will be done by day's labor under the CWA.

Prospective Bidders.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St. and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—Henry D. Dewell, 55 New Montgomery St., San Francisco.
Following have procured plans. Blds open January 25, 4 P. M.

General Work
K. E. Parker Co., 135 South Park, San Francisco.
T. A. Cuthbertson, 430 Noriega St., San Francisco.
G. P. W. Jensen, 320 Market St., San Francisco.
Monson Bros., 475 6th St., San Francisco.
Dinwiddie Construction Co., Crocker Bldg., San Francisco.
A. Cedarborg, 1455 Excelsior Ave., Oakland.
George J. Maurer, 50 York Drive, Oakland.
W. G. Thornally, 354 Hobart Street, Oakland.
Walter Sorensen, 2940 Piedmont Ave., Berkeley.
C. Merrill Greenlaw, 5975 Keith Ave., Oakland.
Lindgren & Swinerton, 1723 Webster St., Oakland.
C. H. Lawrence, Oakland.

Heating
Hoffman Specialty Co., 557 Market St., San Francisco.
George C. Bell, 1825 Gleason Way, Oakland.
Pacific Heating & Ventilating Co., 2059 Webster St., Oakland.
Lindford Heating Co., 1244 E-12th St., Oakland.
Scott Co., 113 10th St., Oakland.
Robert Bruen, 2729 Prince St., Oakland.
Carl T. Doell, 467 21st St., Oakland.

APPLY FOR FUNDS

ANAHEIM, Orange Co., Cal.—Anaheim Union High School District applied to the Public Works Administration for a loan of $275,000 to finance reconstruction of high school buildings in Anaheim. A bond issue for this amount was defeated at the December 18 election. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects.

TO MAKE SURVEY

ALAMEDA, Alameda Co., Calif.—State Board of Architects will make a survey of all public school buildings in Alameda for earthquake hazards. Wm. G. Paden, city superintendent of schools.

Plans Being Prepared.
SCHOOL Cost, $15,000
HAYFORK, Trinity Co., Calif.
One-story wood frame grammar school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayfork Union School Dist.
Architect—Jans Petersen, 826 26th St. Sacramento.
Bids will be asked February 15.

BOND ELECTION

GLENDALE, Los Angeles Co., Cal.—Glendale Board of Education has called an election for February 20 at which time it is proposed to vote bonds in the sum of $1,268,000, the proceeds to be used for reconstruction work in the high school and elementary school district and for erecting a new Junior College. The actual amount needed for reconstruction is $1,458,000, the balance of approximately $364,800 to be requested from the Federal government. The estimated cost of the high school work is $669,000; elementary school work, $424,000 and the new junior college, $175,000. Architect George M. Lindsey and Engineer Paul E. Jeffers compiled the report on which the estimates were based.

SEEK FUNDS

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education applied to the Public Works Administration for loans and grants to be used in financing repairs to the following Long Beach Schools:

James A. Garfield School, loan, $107,107; grant, $24,417; R. D. Van Alstine, engineer.

Jefferson Junior High School, loan, $487,543; grant, $120,297; W. A. Dedrick, architect.

Los Cerritos School, loan, $45,462; grant, $11,373; H. Alfred Anderson, architect.

Administration building, grant, $10,972; total estimated cost, $44,975; E. R. Bohbie, architect.

William McKinley School, loan, $29,000; grant, $9285; M. Eugene Durfee, architect.

Atlantic School, grant, $41,430; total estimated cost, $164,452; Aaron Smith, engineer.

Lafayette School, grant, $9693; total estimated cost, $39,751; A. L. Ferver, engineer.

Lowell Junior High School, loan, $146,000; grant, $50,070; E. L. Mayberry, architect.

Signal Hill School, grant, $15,210; total estimated cost, $61,940; C. N. Aldrich, architect.

Woodrow Wilson School, loan, $177,091; grant, $55,005; W. Horace Austin, architect.

Long Beach Junior College, grant, $50,234; total estimated cost, $198,113; Kirtland Cutter, architect.

FUNDS ALLOTTED.

ALASKA.—Public Works Administration allotted $175,000 to the Territory of Alaska for the construction of public school buildings and additions and repairs to existing buildings. Twenty-one projects are covered by the allotment.

ALLOTMENT APPROVED.

SHAFTER, Kern Co., Cal.—Public Works Administration on January 7 approved an allotment of $70,000 to the Shafter School District for financing the construction of a school building in Shafter. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, architect.

ALLOTMENT APPROVED.

WHITTIER, Los Angeles Co., Cal.—Public Works Administration on January 4 approved an allotment of $11,000 to the California State Department of Public Works to be used in financing the construction of a new gymnasium building at Whittier State School. The building will be a reinforced conc. structure, costing about $39,000. State Architect Geo. B. McDougall, Public Works Bldg., Sacramento, is preparing the plans.

Planned.
SCHOOL Cost, $12,000
GARBERVILLE, Humboldt Co., Cal.
Site To Be Selected.
Construct new school building.
Owner—Garberville & Phillipsville elementary school districts (Mrs. Bertha Murray, County Supt. of Schools).
Architect—Not Given.
A site will be selected shortly, the cost not to exceed $2,000. Work will be done under the supervision of the CWA.

TO MAKE SURVEY.

SAN FRANCISCO.—The San Francisco Board of Education received a report from engineers recommending repairs to the following schools to comply with the new earthquake ordinance:

Columbus School, 12th Avenue and Kirkham St., $26,500.

Golden Gate School, Golden Gate Ave. bet. Scott and Pierce, $38,000.

Denman School, Hayes and Pierce, $46,000.

Jean Parker School, Powell and Mason Sts., $58,000.

Laguna Honda School, 7th and Irving Sts., $46,000.

Prospective Bidders.
SCHOOL Cost, $120,000
BAKERSFIELD, Kern Co., Cal. F St., bet. 31st and California Sts.
Two-story high school building (21 classrooms) Class A steel frame and reinforced concrete construction.
Owner — Kern County Union High School District.
Architect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.
Following have procured plans. Bids open January 22, 7:30 P. M.:
Henry Eissler, 2229 18th St., Bakersfield.
Carl Ingalls, P. O. Box, 1593 Bakersfield.
Stroud Bros., Union and Truxton Aves., Bakersfield.
Paul Opperman, 1327 Orange Drive, Bakersfield.
M. A. Dulgar, Bakersfield.
H. Mayson, 9315 Hooper Ave., Los Angeles.
Plans and specifications are available from architect upon deposit of $20. Certified check or bidder's bond in the amount of 10% must accompany each bid. Marvin Davis, Clerk.

Plans Being Prepared.
ADDITION Cost, $10,000
SALINAS, Monterey Co., Calif. Maple and California Streets.
Two-room addition to Lincoln School building.
Owner—Lincoln School District.
Architect—Charles Butner, 51 Maple St., Salinas.

BIDS OPENED

SAN FRANCISCO—Gill-Mann Co., 629 Fulton St., San Francisco, at $29,665 submitted low bid to Department of Public Works for new blackboards in the Redding, Spring Valley, Madison, Argonne, Laguna Honda, Marshall, Monroe, Junipero Serra and Farragut Schools. Fillowing bids received:

Gill-Mann Co.	$29,665
F. E. Turner	30,950
Rucker Fuller Co.	31,198
American Seating Co.	31,728
Munthe Equipment Co.	32,630

Bids held under advisement.
(3335) 1st report Dec. 21, 1933 15

January 11, 1931

TO SELECT ENGINEER

CROCKETT, Contra Costa Co., Cal.—Trustees of the Crockett School Board commissioned Roy Heise, Union Oil Co., Oleum, to select an engineer to make a survey of the schools in Crockett to determine their safety.

January 11, 1934

PLANNED

SACRAMENTO, Cal.—Sacramento Board of Education may make a survey of school buildings in Sacramento in the near future. Estimated cost of rebuilding to state specifications will run approximately $750,000. Further details will be announced at a later date.
(3459) 15

January 11, 1934

Construction Under Way.
SHOWER BLDG. Cost, $7000
HOLLISTER, San Benito Co., Cal.
One-story frame and stucco boys' shower building (flat roof, con-

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ENGINEER'S CONSULTATION FREE

R. G. LE TOURNEAU, INC.

Wilson Way at Roosevelt Stockton, Calif.

crete floors, some tile work, etc.)
Owner—San Benito High School Dist.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Manager of Constr.—C. B. Younger, 840 Washington St., Hollister.
Excavation work has been completed and foundations poured. Work is being done under the CWA with local labor.
(3292) 1st report Dec. 15; 2nd Dec. 29, 1933. 15

16—BANKS, STORES AND OFFICES

Sub-Contracts Awarded.
ALTERATIONS Cost, $5000
ALAMEDA, Alameda Co., Cal. Park St. at Central Ave.
Alterations to store building (counters, fixtures, etc.)
Owner—Jesse L. Delanoy, Commercial National Bank, Alameda.
Architect—Not Given.
Lessee—Sprouse-Reitz Co., Portland.
Contractor—J. H. Pickrell, 332 Santa Clara Ave., Alameda.
Lumber—Zenith Mill & Lumber Co., 2101 E-12th St., Oakland.
Millwork—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Plumbing—Jack Olivera, 9515 Cherry St., San Leandro.
Glass—East Bay Glass Co., 621 6th St., Oakland.
Cement Work — Reichel & Bredhoff, 1555 Central Ave., Alameda.
Front Tile — Rigney Tile Co., 3012 Harrison St., Oakland.
Electric — Park Electric Co., 1338 Park St., Alameda.
Hardwood Floors and Windows—Marshall Hardwood Floor Co., 2521 Central Ave., Alameda.

Contracts Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Fairfax Avenue.
Alterations to store building.
Owner—Hagstrom Stores, 10626 East 14th St., Oakland.
Plans by Owners.
Contractor — Andrew Stockholm, 743 Longridge Road, Oakland.
Counter Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Wiring and Fixtures—Don Trego, 75 Cleveland St., Oakland.

Contract Awarded.
ALTER STORE Cost, $5000
SAN FRANCISCO. SE Mason and Eddy Streets.
Alterations to store building.
Owner—Rawlings & Pisani, Mason & Eddy Streets.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.

Sub-Contracts Awarded.
STORE Cost, $9000
SAN FRANCISCO. N Sutter St. 37 E Hyde Street.
One-story Class C concrete store bldg. (50x87 ft.) tar and gravel roof.
Owner—J. Wallace, Bohemian Club.
Engineer—Ellison & Ellison, 712 Pacific Building.
Contractor—J. S. Malloch, 666 Mission Street.
Grading—Devencinzi Bros., 150 Collins Street.
Concrete—DeLuca & Son, 1745 Filbert Street.
Roofing—Jas. Cantley, 666 Mission St.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave.
Electric—Lindy Electric Co., 463 24th Avenue.
Mill Work—Holmes Mill Company.
Lumber—Sudden Lumber Co., Evans and Quint Streets.
Glass—Crowe Glass Co., 675 Golden Gate Avenue.
Plastering — Gus Jacobsen, 63 Brady Street.
Tile—Malott and Peterson, 20th and Harrison Streets.

Sub-Contracts Awarded.
ALTER STORE Cost, $5000
SALINAS, Monterey Co., Cal. Main Street.
Alter store building (new plate glass front, vitrolite tile entrance, etc.)
Owner—Anderson, Dougherty & Harges Company.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Fred Carlsen, 336 Lincoln St., Salinas.
Brick Work—Charles Hoosler, Market St., Salinas.
Roofing and Tile—Tynan Lumber Co., E. Alisal St., Salinas.

Construction Postponed Indefinitely.
STORE Cost, $50,000
EUREKA, Humboldt Co., Cal. Fourth and F Streets.
One-story, mezzanine floor and basement reinforced concrete store building (24,500 sq. ft. floor space).
Owner—Domingo A. Zanone.
Plans by Engineering Dept. of Lessee, Chicago.
Lessee—Montgomery Ward & Co., Chicago.

To Be Done By Day's Work.
BUILDINGS Cost, $10,000
SHASTA SPRINGS, Siskiyou Co., Cal.
One-story rustic dining room and kitchen, etc.
Owner—Shasta Water Company.
Architect—Shaw & McCool, 9 Geary St., San Francisco.
Mgr. of Constr. — Mr. Williams, % Owner, Shasta Springs.
A group of rustic cottages will probably be constructed at a later date.

Carpentry Contract Awarded.
STORE Cost, $15,000
VALLEJO, Solano Co., Cal. Sonoma Street near Georgia Street.
Two-story brick, terra cotta and cement store with steel columns and beams (five stores) tar and gravel and part hand-made tile roof.
Owner—Thomas B. Jones, Vallejo.
Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.
Carpentry—Tillman & Olsen, 514 Hichborn St., Vallejo.
Other awards will be made shortly.

Elevator Contract Awarded.
REMODEL BLDG. Cost, $——
PORTLAND, Oregon. Fourth St. near Washington St.
Alterations to building (install new electric elevator, etc.)
Owner—Northwest Mutual Life Insurance Company.
Architect—Sutton & Whitney, Lewis Bldg., Portland.
Contractor—L. H. Hoffman Constr. Co., 347 Columbia St., Portland.
Elevator — Otis Elevator Co., 72 N. Tenth St., Portland.

Plans Being Prepared.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Sts.
One-story reinforced concrete bank building (composition roofing, steam heat, etc.)
Owner — Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner. (Mr. Cuneo in charge).
Bids will be asked in about three weeks.

Preparing Sketches.
ALTER STORES Cost, $35,000
SALINAS, Monterey Co., Cal. No. 343-355 Main Street.
Alterations to 150 ft. frontage for eight stores.
Owner—A. Ballch, San Juan Road, Salinas.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Carpentry Contract Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Calif. 13th Street and Broadway.
Alterations to store building (new fixtures, cabinet work, tile, marble, plastering, painting, etc.
Owner—Marvel Drug Company.
Fixtures—Weber Showcase & Fixture Co., 988 Mission St., San Francisco.
Carpentry—Henry Brown, 1387 East 32nd St., Oakland.
Mr. Randall, premises, is taking bids on plumbing, plastering, painting.

Additional Sub-Contracts Awarded.
ALTER STORE Cost, $5000
OAKLAND, Alameda Co., Calif. SE Thirteenth and Washington Sts.
Alterations to building for furniture store (show windows, elec. work, remodel elevator, painting, etc.
Owner—Hugo and Jules Abrahamson, 477 15th St., Oakland.
Architect—Not Given.
Lessee—Union Furniture Co., San Francisco.
Contractor—S. Kulchar & Co., 731 E Tenth St., Oakland.
Flooring—Herbert Hansen, 5212 Claremont Ave., Oakland.
Plumbing—H. G. Newman Co., 237 Tenth St., Oakland.

Contract Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. No. 3457 Fruitvale Avenue.
Alterations to store building (tile front, interior work, etc.)
Owner—Guy Shafer, 843 Longridge Road, Oakland.
Architect—Not Given.
Contractor—W. Vernon Bernard, 3045 Humboldt Ave., Oakland.

Contract Awarded.
REPAIR STORES Cost, $7000
SAN FRANCISCO. 236-246 Jackson.
Repair fire damage to store building.
Owner—Mrs. Smith, % contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street.

Bids In—Under Advisement.
STORE Cost, $90,000
SAN BERNARDINO, San Bernardino Co., Cal. SW E and Court Sts.
Three-story and basement Class A store building (62x164 ft.), reinforcing concrete walls, partitions and floor and roof slabs, structural steel ,etc.
Owner—Montgomery Ward Co.
Plans by Engineering Dept. of Owner, Chicago.
Bids have been referred to Chicago for award.

To Be Done By Day's Work.
ALTER STORE Cost, $3000
SAN FRANCISCO. N Geary St. 50 E 7th Ave.
Alterations to store building.
Owner—Herman H. Voss, 4435 Geary Street.
Architect—Not Given.

17— THEATRES

Preliminary Sketches Prepared.
THEATRE Cost, $75,000
BURLINGAME, San Mateo Co., Cal.
Reinforced concrete theatre.
Owner—Green Players (Fred Green).
Architect — Shaw & McCool, 9 Geary St., San Francisco.
Financing arrangements are under way.

Jenuary 10, 1934

Plans Being Prepared.
THEATRE Cost, $——
SALINAS, Monterey Co., Cal. E. Main Street.
Construction of new theatre building.
Owner—Crystal Theatre.
Architect — Mark T. Jorgensen, 525 Market St., San Francisco.

To Be Done By Day's Work.
ADDITION Cost, $7000
PALO ALTO, Santa Clara Co., Cal. 1305 Middlefield Road.
Second wing addn. to theatre (frame and stucco construction, tile roof) two meeting rooms and kitchen.
Owner—Palo Alto Community Theatre.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Work will be under the CWA.

18— WHARVES & DOCKS

FUNDS ALLOCATED

STOCKTON, Cal. — Federal Public Works Administration has granted $230,000 to the Stockton Port Commission to be used in construction of additional dock and warehouse facilities.

BOND ELECTION

STOCKTON, Cal. — Stockton Port Commission has tentatively set February 13 as the date for a special election to vote a Bond Issue of $900,000 for construction of additional port facilities. The work contemplated includes an 1850-ft. wharf, transit sheds and extension of railroads spur tracks

Apply For Federal Aid.
EXTEND DOCK Cost, $542,000
OAKLAND, Alameda Co., Cal. Outer Harbor.
1300 foot extension to dock, 100 feet wide; concrete construction; timber apron, bulkhead walls, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
City of Oakland Port Commission filed an application with the Public Works Administration for a loan and grant of $542,000 to finance construction.

19—MISC. CONSTRUCTION

Planned.
ALTERATIONS Cost, $——
FRESNO, Fresno Co., Cal. No. 1762 Van Ness Avenue.
Alterations to residence for funeral parlor (chapel to seat 150) install pipe organ; reception rooms, etc.
Owner—J. H. Kennedy and W. D. Creager, 528 Clinton St., Fresno.
Architect—Not Given.

Plans Being Prepared.
ELEVATOR Cost, Approx. $5000
SANTA CRUZ, Santa Cruz Co., Cal. Pacific and Locust Sts.
Install passenger elevator in two-story bank building.
Owner—Farmers & Merchants Nat'l. Bank, Premises.
Architect—L. D. Esty and C. J. Ryland, Alta Bldg., Santa Cruz.
Bids will be asked in the near future

BIDS OPENED

LOS ANGELES, Cal.—Case Const. Co., 905 Westminister, Alhambra, at $8096 submitted the only bid to the Los Angeles county supervisors Jan. 2 for guniting right abutment of San Gabriel Dam No. 2 in vicinity of spillway.
The items are :
(1) 700 cu. yds. excavation;
(2) 9575 sq. ft. placing gunite slabs, reinf. with woven wire reinf.;
(3) 9575 sq. ft. placing gunite slabs without reinforcement.

The bids was: (1) $5 (2) $25c (3) 23c, total $8096.

SKETCHES PREPARED

LOS ANGELES, Cal. — Architects John and Donald B. Parkinson, 808 Title Insurance Bldg., Los Angeles, have prepared sketches for a proposed museum to be erected in Griffith Park by Lorado Taft. It will be a one story reinforced concrete and steel structure, 800x250 feet in area. It is estimated that the building will cost $1,000,000 and will require about two years to carry through to completion.

To Be Done By Day's Work.
BUILDING Cost, $5500
SAN FRANCISCO. E Van Ness Ave. South, from Mission to Twelfth.
One-story and basement frame building.
Owner—Boothby-Spillman Tabernacle
Architect—A. R. Williams, 785 Market St., San Fransicco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Supt. of Constr.—Mr. Rouse, Prem.

BIDS WANTED

ALBROOK FIELD, Canal Zone—Until January 30, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for the installation of an hydraulic gasoline fueling system at Albrook Field, Canal Zone.
Plans and specifications obtainable from above office upon deposit of $10, per set.

Plans Being Prepared.
RACK TRACK Cost, $250,000
SAN MATEO COUNTY, Calif. Bay Meadows (Curtiss - Wright Airport) 120 acre site.
Construct racing plant (club house, grandstand, stables, etc.)
Owner—California Jockey Club (Wm. P. Kyne, general manager), 1945 Broadway, San Francisco.
Architect—To Be Selected.
Engineer—Stillman W. Curtis, 430 Natoma St., San Francisco.

CONTRACT AWARDED

SAN FRANCISCO.—Alta Electric & Mechanical Co., Inc., 767 O'Farrell Street, at $4,875 awarded contract by Department of Public Works for furnishing and installing an electric indicating device for cell doors at the San Francisco county jail, Sneath Ranch, San Mateo County.

WORK STARTED

FULLERTON, Orange Co., Calif.—Work has been started on changes to the Fullerton Union High School athletic concrete bleachers to seat 4400 persons. Estimated cost of the improvement, a Civil Works Administration project, is $40,000.

SUB-CONTRACTS AWARDED

HAMILTON FIELD, Marin Co., Cal.—DeLuca & Son, 1745 Filbert St., San Francisco, awarded the following subcontracts for the A. C. oil distribution system and oil house at Hamilton Field:
Painting — W. G. Thompson, 336 Church St., San Francisco.
Plumbing—Anderson & Rowe, 45 Belcher St., San Francisco.
Reinforcing Steel—W. C. Hauck, 280 San Bruno Ave., San Francisco.
Electric—American Electric Co., 465 Bryant St., San Francisco.

TO SELECT ARCHITECT.

SANTA ANA, Orange Co., Calif.—Orange county supervisors have authorized the county purchasing agent to employ an architect to prepare plans for a police radio broadcasting tower to be constructed in Santa Ana.

CONTRACT AWARDED

SANTA FE, New Mexico—W. F. Stewart, 1 Castello Del Rio, Santa Fe, New Mexico, at $2433 awarded contract by Treasury Department for concrete floors, repairing sidewalks, curbs, etc., for the Courthouse at Santa Fe.

PLANNED

LOS ANGELES, Cal.—The Los Angeles Board of Education has authorized the erection of 408 tent bungalows at various elementary school sites. The bungalows will be of wood and canvas construction, wood floors and walks, gas steam heating, electric wiring, etc. Cost is estimated at $275 each. The work will be done by the maintenance division of the board.

Contemplated.
IMPROVEMENTS Cost, $——
SAN FRANCISCO. Point Lobos near Great Highway.
Improvement to Sutro Estate (recreation center, etc.)
Owner—Sutro Estate (Adolph G. Sutro) Stock Exchange Bldg.
Architect—Not Selected.
Proposed work is in a very preliminary stage. Further details will be announced at a later date.

BIDS OPENED.

HAMILTON FIELD, Marin Co., Cal.—F. W. Snook, 596 Clay St., San Francisco, at $10,218 submitted low bid to Constructing Quartermaster, Hamilton Field, for the construction of additions to the A. C. gasoline system at Hamilton Field. Following bids received:

F. W. Snook, San Francisco	$10,218
Aqua Systems, Inc., New York City	12,103
H. L. Petersen, San Francisco	12,204
De Luca & Sons, San Francisco	12,750
Bennett & Taylor, Los Angeles	13,740

Bids held under advisement.

BIDS WANTED.

SAN FRANCISCO.—Until Jan. 24, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for steam cleaning the Stockton Street tunnel, Stockton St. between Bush and Sacramento Sts. Estimated cost $1200. Bond $300. Chemical solution to be used in cleaning must be submitted to the Bureau of Architecture before work is started for analysis and approval. Said solution to be applied with fibre brushes and them steamed off, using not less than 150 lbs. of steam pressure.

TO BE DONE BY DAY'S WORK.

BERKELEY, Alameda Co., Calif.—Berkeley Board of Education will build eight additional tents at the site of the high school gymnasium. Canvas and lumber are being purchased in the open market and work will be done partly under the CWA and day's labor.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

LOS ANGELES, Cal. — Blue Diamond Corp., 1650 S. Alameda St., Los Angeles, awarded contract by Los Angeles County Supervisors January 8, for furnishing Portland cement for use in construction of a gunite channel in the Arroyo Seco between Devils Gate Dam and Howard St.
Bids were opened December 26.

CONTRACT AWARDED

LOS ANGELES, Cal.—Pacific Coast Steel Corp., awarded contract by Los Angeles County Supervisors, January 8, for furnishing reinforcing steel for construction of a gunite channel in Arroyo Seco, between Devils Gate Dam and Howard St. Bids opened

AWARDS.

ARIZONA STATE. — Arizona State Highway Commission, Phoenix, have awarded equal contracts to the Shell Oil Co., Union Oil Co., Gilmore Oil Co., Richfield Oil Co. and Arizona Oil Co. for furnishing 175,400 gallons road oil at $0.019 gallon f.o.b. refinery for Project 80-E and F (Ashfork-Kingman Highway).

AWARD.

ARIZONA STATE.—Virginia Bridge & Iron Co., 5225 Wilshire Blvd., Los Angeles, at $2530 (Alt. f.o.b. Holbrook, Ariz.) awarded contract by the Arizona State Highway Commission, Phoenix, for furnishing and delivering structural steel to Holbrook, for the White River Bridge AFE No. 3401.

BIDS OPENED.

SAN DIEGO, Cal.—California Portland Cement Co., Monolith Portland Cement Co., Pacific Portland Cement Co., Riverside Cement Co. and Southwestern Portland Cement Co. submitted identical bids at $7190, to the Bureau of Supplies and Accounts, Navy Department, December 27, for furnishing 3000 barrels of cement for San Diego.

Schedule 1409 Y & D, Lot 1470.

BIDS OPENED

LOS ANGELES, Cal.—Bids submitted by the Union Pacific Railway, Pacific Electric Railway, Southern Pacific Railway and the A. T. & S. F. Railway, to the Los Angeles County Supervisors for hauling cement in carload lots of minimum weight of 60,000 lbs. to Azusa, are as follows:

Colton, $0.055.
Crestmore, $0.055.
Los Angeles, $0.0333.
Victorville, $0.0633.
Monolith, $0.075.

The bids were referred to E. C. Eaton, County Flood Control Engineer.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing cement and reinforcing steel to be used in the construction of the Verdugo Debris Basin, were received by Los Angeles County Supervisors January 2. Bids were taken as follows:

PROPOSAL NO. 1

(1) 1900 bbls. cement in cloth sacks f.o.b. railroad cars at U. P. siding at Lexington and Glendale Aves., Glendale.

PROPOSAL NO. 2

Reinforcing steel f.o.b. site of work:
(1) 100 lbs. 1-in. round deformed;
(2) 100 lbs. ⅞-in. do;
(3) 100 lbs. ¾-in. do;
(4) 100 lbs. ⅝-in. do;
(5) 100 lbs. ½-in. square deformed;
(6) 72,000 lbs. ½-in. round deformed;
(7) 2500 lbs. ⅜-in. round deformed;
(8) 100 lbs. ¼-in. round plain.

PROPOSAL NO. 1

Five identical bids at (1) $2.5525, total $4849.75, were submitted by Blue Diamond Corp., Riverside Portland Cement Co., Monolith Portland Cem. Co., California Portland Cement Co., and Southwestern Portland Cem. Co.

PROPOSAL NO. 2

Seven identical bids at (1) $2.545, (2) $2.545 (3) $2.545 (4) $2.645 (5) $2.745 (6) $2.745 (7) $2.945 (8) $2.545, total $2066.63, were submitted by:

Blue Diamond Corp., Los Angeles Iron & Steel Co., Graham Bros., Pacific Coast Steel Co., Truscon Steel Co., Soule Steel Co. and Concrete Engineering Co.

The bids were referred to E. C. Eaton, 202 N Broadway, county flood control engineer.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing cement and reinforcing steel to be used in the construction of a concrete conduit on Verdugo Wash between Brand Blvd. and Pacific Ave. were received by the Los Angeles County Supervisors January 2. Items are:

PROPOSAL NO. 1

4800 bbls. cement in cloth sacks f.o.b. railroad cars at Pacific Electric siding at Brand Blvd. and Mountain St., Glendale;

PROPOSAL NO. 2

4800 bbls. cement in cloth sacks f.o.b. trucks site of work, Glendale;

PROPOSAL NO. 3

Reinforcing steel f.o.b. site of work:
(1) 100 lbs. 1-in. round deformed;
(2) 14,300 lbs. ⅞-in. do;
(3) 16,400 lbs. ¾-in. do;
(4) 260,000 lbs. ⅝-in. do;
(5) 100 lbs. ½-in. square deformed;
(6) 65,000 lbs. ½-in. round deformed;
(7) 44,500 lbs. ⅜-in. do;
(8) 100 lbs. ¼-in. round plain.

PROPOSALS NOS. 1 and 2

Five identical bids at (1) $2.5525, total $12,252 and (2) $2.655, total $12,744, were submitted by:

Blue Diamond Corp., Riverside Portland Cement Co., California Portland Cement Co., Monolith Portland Cement Co. and Southwestern Portland Cement Company.

PROPOSAL NO. 3

Seven identical bids at (1) $2.768, (2) $2.768 (3) $2.768 (4) $2.868 (5) $2.968 (6) $2.968 (7) $3.168 (8) $3.76, total $11,655.04, were submitted by:

Blue Diamond Corp., Pacific Coast Corp., Truscon Steel Co., Soule Steel Co., Concrete Engr. Co., Joseph E. Lansberg, Graham Brothers.

The bids were referred to E. C. Eaton, 202 N Broadway, county flood control engineer.

BIDS OPENED

LOS ANGELES, Calif.—Five identical bids were received by the Los Angeles county supervisors January 2 at (1) $2.50, total $125,000, f.o.b. railroad cars, Azusa, for furnishing portland cement for construction on San Gabriel Dam No. 1. The item was:

(1) 50,000 bbls. Portland cement in cloth sacks f.o.b. mill.

The bidders were:

Southwestern Portland Cement Co., Monolith Portland Cement Co., Riverside Portland Cement Co., California Portland Cement Co. and Blue Diamond Corp.

The bids were referred to E. C. Eaton, 202 N Broadway, county flood control engineer.

CONTRACTS AWARDED

LOS ANGELES, Calif. — Contracts awarded by the Metropolitan Water District for furnishing cement under Bid No. 18878 are: Riverside Cement Co., Monolith Portland Cement Co., California Portland Cement Co., Southwestern Portland Cement Co. The bids were:

Riverside Cement Co. (mill) $3450; (freight) $1068.75; (fan bill) $4518.75.

Monolith Portland Co., $2773.13; $1745.62; $2518.75.

California Portland Cement Co., $3450.00; $1068.75; $4518.75.

Southwestern Portland Cement Co., $3093.75; $1425.00; $4518.75.

Blue Diamond Corp., $3165.00; $1,353.75; $4,518.75.

LOW BIDDER

LOS ANGELES, Cal.—J. L. Kruly, 1759 N Eastern Ave., at $9999.28 submitted low bid to Los Angeles board of public works January 3 for constructing sanitary sewers in Sepulveda Blvd. between Ohio Avenue and 100 ft. south of Waterford St., under the 1911 act.

BIDS REJECTED

TEHAMA COUNTY, Cal.—Tehama County Board of Supervisors have rejected bids received for furnishing gasoline and oil for the first quarter of 1934, and will buy in the open market. Identical bids were received from the Standard Oil Co., Associated Oil Co., Mohawk Co., Shell Oil Co., and Union Oil Co.

BIDS OPENED

LOS ANGELES, Cal.—Nine firms submitted identical bids to A. J. Holm, Purchasing Agent, January 8, at prices shown below, for furnishing and delivering lead covered, paper insulated cable, under Spec. 3278, to the Water & Power Dept., f.o.b. cars, Davies extension spur, 257 East Third St. The bidders were:

Habirshaw Cable & Wire Corp.—No discount for combined award. Delivery, start in 10 days, completed in 14 days.

Okonite-Collender Cable Co.—No discount for combined award; delivery 10 days.

John A. Roeblings Sons Co.—No discount for combined award; delivery, start in 14 to 21 days, complete in 28 to 35.

Columbia Steel Co.—Delivery 3 weeks.

General Cable Corp.—No discount for combined award; delivery, 1 car in 10 to 14 days, balance 1 car every 5 days.

General Electric Co.—No discount for combined award; delivery in two weeks from factory.

Anaconda Wire & Cable Co.—No discount for combined award; delivery, ——.

American Electrical Works—No discount for combined award; delivery 21 days.

Simplex Wire & Cable Co.—No discount for combined award; delivery in 48 to 56 days.

The bids, showing prices per M ft., were as follows:

(1) $507; (2) $1768; (3) $1768; (4) $853 (5) $489; (6) $201. Terms, ½ of 1% 10 days.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. INDIAN SERVICE

WAPATO, Wash. — Until January 16, 10 A. M., bids will be received at the office of the Project Engineer, U. S. Indian Irrigation Service, Wapato, Wash., for furnishing 258,000 lbs. interlocking steel sheet piling.

CALIFORNIA STATE

FRESNO, Cal.—Until January 18, 2 P. M., bids will be received by E. F. Green, Supt. of Equipment, Shop 6, Division of Highways, 645 West Olive Ave., Fresno, for the sale of the following equipment:

(1) CHC 50, Compressor, Rix Air, 265 c. f. 9-in. x 6-in. portable on steel wheels.
(2) CHC 39, Scarifier, Killifer No. 4 Disc, with steel wheels;
(3) CHC 241, Tractor, McCormick-Derring, 10-20, with solid rubber tires.

All equipment may be inspected at the Division of Highway's Yards, at 645 West Olive Ave., Fresno, from 8:30 A. M. to 4:30 P. M., on any working day.

EUREKA, Cal.—Until January 18, 2 P. M., bids will be received by W. H. Pierce, Supt. of Equipment, Shop 1, Division of Highways, Department of Public Works, Eureka, for the sale of the following equipment:

(1) CHC 354, Grade, Gallon 8' Leaning Wheel, R. T.
(2) CHC 135, Kettle, Asphalt Heating, 110 gal.
(3) CHC 71, Mixer, Jaeger ½ sack.
(4) CHC 3, Scarifier, Spearswell Tooth
(5) CHC 10, Crusher, No. 2, Aurora 11-in. x 20-in. Jaw.
(6) CHC 48, Chusher, 24-in. Cymons Disc. Type.
(7) CHC 11, Screen, 8 ft. x 38 in. Dia. Center Shaft with frame.
(8) CHC 12, Elevator, 30 ft. wood frame and Acme Special Single Line Chain with 7-in. x 8-in. x 6-in. Buckets.
(9) CHC 137, Engine, 50 HP Gasoline on steel skids, Cadillac make.

All equipment may be inspected at the Division of Highways Yards at Eureka, from 8:30 A. M. to 4:30 P. M. on any working day, with the exception of Crushers, CHC 10 and 48, and Elevator, CHC 12, which are located on Highway Route 20 near Blue Lake, Humboldt County; also CHC 135, Asphalt Heating Kettle, which may be inspected at the Division of Highways Yards at Willits, Mendocino County, from 8:30 A. M. to 4:30 P. M., on any working day.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until January 17, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Order No. 6043/2147, as follows:

LOT 1—36 ft. round, cold rolled steel.
LOT 2—48 ft. square, coldrolled steel.
LOT 3—60 ft. hexagon, cold rolled steel
LOT 4—450 galvanized carriage bolts.

Not grouped in lots:

Mild steel, round; Boiler plate, Black pipe; and set screws.

Specifications obtainable from the above office. Delivery to U. S. Engineers, f.o.b., Rio Vista.

FORT MASON, Cal.—Until Jan. 16, 10 A. M., bids will be received under new specifications by the Constructing Quartermaster, Fort Mason, for building materials, including ready-mix concrete, tile, Portland cement, sand, lime, reinforcing bars, lumber, roof sheathing, garage door, door frame, copper gutter, wire, nails, pipe hinges, hardware and paint. The new bid call cancels and supersedes one previously reported for opening January 12.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208 Post Office Bldg., Sacramento, as follows:

Order No. 6042/2147—712 FBM pine lumber. Jan. 15, 3 P. M.
Order No. 6047/2147 — Miscellaneous condensers, felt assembly oil filters, fuses, tachometer drive spindle, copper diaphragms, valve bodies and valves, valve stem packings, nickel babbitt metal, and basin faucets. Jan. 18, 3 P. M.
Order No. 6049/2148 — Miscellaneous claw hammers, hand saws, gate valves, brass nipples, files, battleship linoleum, lanterns, water hose, socket wrenches, petcocks, copper tubing, taps, Manzel multiple oil feed pumps, and gallon measures. Jan. 19, 3 P. M.

All deliveries to the U. S. Engineers, f.o.b. Rio Vista, Calif.

RECLAMATION SERVICE

BOULDER CANYON, Nev. — Until February 5, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, for furnishing:

(1) 12 96-in. dia. Paradox emergency gates;
(2) 12 84-in. internal differential needle valves.

All for installation in the canyon wall outlet works at Boulder dam, Boulder Canyon project. The gates and valves will be installed by the government. No charge for specifications to prospective bona fide bidders; to others, $3 not returnable.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., as follows:

CABLE, shoreline; 45,000 ft., Puget Sound. 8500 feet shoreline wire, Puget Sound. Sch. 1536; Jan. 23.

SAN FRANCISCO. — Bids will be received by the Purchasing Officer, 12th Naval District, 100 Harrison St. as follows:

FITTINGS, brass and bronze, couplings, elbows and wyes, 740; Mare Island. Sch. 9942; Jan. 16;
GASOLINE Containers, 1,000 standard steel for 50, 55 gals.; Richmond. Sch. 7632-1D. Jan. 16;
HOSE, pneumatic, 400-ft. ½-in.; U. S. S. Arkansas. Sch. 27; Jan. 17;
SAWS, compass, 14-in., 60; Mare Island. Sch. 9742; Jan. 17;
AIR COMPRESSOR outfit, complete, motor-driven; Sch. 149; Jan. 18;
PILING, Douglas fir, creosoted, 1,680 lin. ft. Y & D; Sch. 146; Jan. 18;
GRINDER electric, portable, 115-volts ½-hp., U. S. S. Waters. Sch. 48; Jan. 18;
ALLOY, copper nickel, 500 lbs., N. S. A. Stock. Sch. 112; Jan. 23.

Specifications obtainable from the above office.

GOVERNMENT ISLAND, Cal.—Until January 16, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot. Government Island, Oakland, for furnishing the following blasting machines:

6 each, 1 to 50 shots;
12 each, 1 to 10 shots.

Specifications obtainable from above office. Bid No. 708.

U. S. FOREST SERVICE

SAN BERNARDINO, Calif. — Until January 15, 2 P. M., bids will be received by U. S. Department of Agriculture, Forest Service, 206 Federal Bldg., San Bernardino, for furnishing new or used tractors, road machinery and equipment, on daily or monthly rental basis, as follows:

30-35 h.p. tractors, 40-55 h.p. tractors, 60-80 h.p. tractors; leaning wheel graders, 8-ft. blade; leaning wheel graders, 10-ft. blade, and leaning wheel graders, 12-ft. blade; portable compressors of 120 cu. ft. capacity, 220 cu. ft. capacity and 360 cu. ft. capacity; 2-wheel road rippers; 35-40 h.p. tractors with hydraulically controlled trail builder attached; 550-60 h.p. tractors with hydraulically controlled trail builders attached, and jack hammer drills (rock drills) with 60-lb. air blowers.

GOVERNMENT ISLAND, Calif. — Until January 16, 2 P. M., bids will be received by Frank Haynie, Supply Officer. Forest Service Supply Depot, Government Island, Oakland, as follows:

PADLOCKS, 1½-in. high by 1½-in. wide, 4-pin tumbler construction, die-cast metal; 6½ gross; Bid 703. Delivery f.o.b. Governmnet Island.
WIRE, No. 12 BWG galvanized iron telephone; 25 miles. Bid 702. Delivery f.o.b. Tucson, Ariz.

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

INDEPENDENT Lathe Chuck, 10-in., 4-jaw, with reversible jaws; bid 700. Jan. 12;
Rough chuck plate casting for fitting 10-in. chuck to lathe; bid 700 Jan. 12;
INDEPENDENT Lathe Chuck, 6-in., 4-jaw, with reversible jaws; bid 700, Jan. 12;
UNIVERSAL Lathe Chuck, 6-in., 3-jaw, with "inside" and "outside" jaws; bid 700; Jan. 12;
Rough chuck plate casting for fitting 6-in. chucks to lathe; 2. bid 700; Jan. 12;
WIRE, barbed, No. 12½-gauge; 480 spools; Bid 701; Jan. 16;
STAPLES, galv. fence 1¾-in., No. 9 gauge; 800 lbs. Bid 701; Jan. 16;

Bid 701 for delivery f.o.b. Flagstaff, Arizona.

Bid 700 for delivery f.o.b. Government Island. Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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26.—Railroads
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28.—Fire Equipment
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32.—Sewers & Sewage Disposal Plants
33.—Water Works
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35.—Tunnels

21— BRIDGES

BIDS WANTED.

PEND OREILLE CO., Wash.—Until January 23, 10 A. M., bids will be received by Director of Highways L. V. Murrow, Olympia, for construction of a steel girder undercrossing of the C. M. St. Paul & P. R. R. Co. tracks with pile trestle approach spans and grading about 0.4 mile of approaches on State Road No. 6, Jared Undercrossing Unit 1 of U. S. Public Works Project No. NRS 193-A, in Pend Oreille County, involving:
(1) 16,500 cu. yds. excavation;
(2) 1,980 lin. ft. cable guard rail;
(3) 100 lin. ft. pipe culverts;
(4) 79,000 lbs. struc. steel;
(5) 37 MFBM treat. timber and plank
(6) 2,960 lin. ft. treat. piling;
(7) misc. items of work.

Plans and specifications obtainable from above office upon deposit of $2 for each set.

PLANS COMPLETED

LOS ANGELES, Cal.—Robert W. Stewart, Los Angeles City Bridge Engineer, has completed plans for two bridge structures on Gaffey St.; one concrete girder bridge on Gaffey St., over Summerland, and the other a reinforced concrete arch bridge on Elberon Ave. over Gaffey. Estimated cost $175,000.

BIDS WANTED.

SAN DIEGO COUNTY, Cal.—Until January 31, 2 P. M., bids will be received by State Highway Commission Sacramento, for construction of two reinforced concrete girder bridges between Encinitas and Carlsbad; one across San Marcos Creek, consisting of four 40-ft. spans on concrete bents and abutments, and the other across Agua Hedionda Creek, consisting of four 40-ft. spans on concrete bents and abutments, in San Diego County, involving:
(1) 990 cu. yds. channel excav.;
(2) 2,700 cu. yds. struc. excav.;
(3) 1,255 cu. yds. Class A. Port. cem. conc. footing blocks;
(4) 1,215 cu. yds. Class A Port. cem. conc. struc.;
(5) 26 cu. yds. do. railing;
(6) 260,000 lbs. bar reinf. steel;
(7) 3,300 lbs. cast steel;
(8) 1 lot misc. items of work;

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED.

LOS ANGELES, Cal.—Until Jan. 29, 2 P. M., bids will be received by the Los Angeles County Supervisors for constructing timber and steel bridge on Fullerton Road (Base road) over Coyote Creek in Los Angeles and Orange counties. Bids will be received as follows:
(1) bridge complete, part redwood and Douglas fir;
(2) bridge, complete, being all Douglas fir.

Geo. W. Jones, county road commissioner. Mame B. Beatty, 501 all of Records, chief of the board.

AWARD.

LOS ANGELES, Cal.—John Oberg, 3470 E 8th St., at $13,637.70 awarded contract by Los Angeles county supervisors January 8 for constructing a reinforced concrete bridge over the spillway at San Gabriel Dam No. 2. Bids opened December 18.

PREPARING PLANS.

LOS ANGELES, Calif.—George W. Jones, county road commissioner, is preparing plans for crossing construction, located as follows:
Crossing over tracks of the Union Pacific Ry. at Siphon Road;
Crossing over A. T. & S. F. Ry. on Foothill Blvd.;
Crossing over Pacific Elec. Ry. on Foothill Blvd.;

BIDS WANTED.

SACRAMENTO COUNTY, Calif.—Until January 31, 2 P. M., bids will be received by State Highway Commission, Sacramento, for widening existing arch bridge across American river, about one mile north of Sacramento, and grading and surfacing with Portland cement concrete pavement, in Sacramento County, involving:
(1) 200 cu. yds. rdwy. excav.;
(2) 2,500 cu. yds. struc. excav.;
(3) 5,700 cu. yds. imported borrow;
(4) 5,820 sq. yds. subgrade for pave.
(5) 350 tons crushed gravel or stone bit. treated borders;
(6) 18 tons cutback asphalt;
(7) 90 M. gals. water;
(8) 16,300 lin. ft. furnish steel piles, including test piles;
(9) 442 each drive do;
(10) 300 cu. yds. bridge conc., remove and dispose of;
(11) 540 cu. yds. bridge and approach surf. remove and dispose of;
(12) 1,235 cu. yds. Class A Port. cem. conc. pave.;
(13) 440 cu. yds. Class A Port. cem. conc. footing blocks;
(14) 832 cu. yds. Class A Port. cem. conc. arch rib;
(15) 135 cu. yds. Class A Port. cem. conc. railing;
(16) 1,245 cu. yds. Class A Port. cem. conc. struc.;
(17) 1,800 cu. yds. Class B Port. cem. concrete;
(18) 432,000 lbs. bar. reinf. steel;
(19) 800 lin. ft. temporary railing;
(20) 12 sta. finish roadway;
(21) 5 each monuments complete in place;
(22) 1 lot lighting equipment complete in place;
(23) 1 lot misc. items of work.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

MENDOCINO COUNTY, Cal.—Nevis & Harp, 891 Harrison St., Santa Clara, at $46,766.20 awarded contract by State Highway Commission, Sacramento, for constructing a steel through truss bridge across South Fork Eel River, 65 miles north of Willits, consisting of 2 183-ft. spans founded on the pier and abutments of an existing bridge.

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—Nevis & Harp, 891 Harrison St., Santa Clara, at $102,658.50 awarded contract by State Highway Commission, Sacramento, for constructing a bridge across South Fork Eel River at Smith Point, consisting of one 100-ft.; one 99-ft. 9¾-in. plate girded spans, and two 57-ft. 6-in. reinforced concrete girder spans; one concrete pier and abutments, in Humboldt County.

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Herbert M. Baruch Corp., Ltd., 625 S. Olive St., Los Angeles, at $130,438.20 awarded contract by State Highway Commission, Sacramento, for constructing a reinforced concrete bridge on Sunset Blvd. across Glendale Blvd. in the City of Los Angeles, consisting of a filled arch having a clear span of 90 feet.

BIDS WANTED

ARIZONA STATE.—Until Jan. 23, 2 P. M., bids will be received by Arizona State Highway Commission at Phoenix, for constructing NRS Project 100-B (AFE No. 8407). The work, which is located about one mile east of the town of Gila Bend, consists of the construction of a railroad overpass and approaches, including the oil processing of the approaches and is to be completed on or before May 31. The principal items are:
(1) 46,300 cu. yds. borrow excav., CIP
(2) 2,690 lin. ft. road guard (cable or steel plate);
(3) 8 cu. yds. Class AA concrete;
(4) 535 cu. yds. Class A concrete;
(5) 68,800 lbs. reinf. steel;
(6) 85,000 lbs. struc. steel;
(7) 590 cu. yds. mineral agg., CIP.

Plans and specifications obtainable from above office. T. S. O'Connell, state highway engineer. Estimated cost $50,000.

BIDS OPENED

MARION COUNTY, Oregon—Northwest Roads Co., Portland, Ore., at $28,952.50 submitted low bid to Oregon State Highway Commission, Portland, Oregon, for construction of bridge over Pudding River on Hillsboro-Woodburn Secondary Highway near Woodburn, in Marion County, Nat'l. Recovery Project No. NRS 227.

Complete bids follow:
Northwest Roads Co., Portland, $28,952.50.

Parker-Scharm Co., Portland, $30,-626.90.
Birkemeier & Saremal, Portland, $30,-942.
Theo. Arenz, Portland, $31,377.
Lindstrom & Feigenson, Portland, $33,388.
Mountain States Constr. Co., Eugene, Oregon, $33,401.
Kuckenberg-Wittman Co., Portland, $35,304.50.
R. H. Baldock, State Highway Engineer.

BIDS WANTED.

OREGON STATE.—Until Jan. 18, 9 A. M., bids will be received by the Oregon State Highway Commission, 3rd floor Auditorium, Public Service Bldg., Portland, for bridge construction, as follows:

CLATSOP COUNTY:
Two bridges over the Klaskanine River near Astoria. Project No. NRS 213-B. The work involves:
(1) 81 cu. yds. excavation;
(2) 122 cu. yds. concrete;
(3) 18,300 lbs. metal reinforcement;
(4) 10 M.F.B.M. treated lumber;
(5) 64,500 lbs. structural steel;
(6) 215 lin. ft. composite handrail;
(7) 90 lin. ft. concrete handrail.

COOS COUNTY:
Bridge over South Slough near North Bend on Cape Arago Secondary Highway. Project NRS 207. The work involves:
(1) 175 cu. yds. struc. excav.;
(2) 2000 lin. ft. foundation piling;
(3) 16,000 lin. ft. treated trestle piling
(4) 4680 lin. ft. special treated fencer and draw rest piling;
(5) 423 cu. yds. concrete;
(6) 48,000 lbs. metal reinforcement;
(7) 55 MFBM treated lumber;
(8) 220,000 lbs. structural steel;
(9) 1255 lin. ft. Port Orford cedar trestle superstructure;
(10) 35 MFBM Port Orford cedar lumber;
(11) 24,000 lbs. machinery;
(12) Electrical equipment for swing span;
(13) 2100 cu. yds. approach excavation
(14) 40 lin. ft. 18-in. concrete pipe;
(15) 50 cu. yds. riprap;
(16) 420 cu. yds. crushed rock surfacing.

LINN COUNTY
Bridge over Calapooya River near Holley on the Halsey-Sweet Home Secondard Highway. Project NRS 230. The work involves:
(1) 220 cu. yds. struc. excavation;
(2) 290 cu. yds. concrete;
(3) 24,000 lbs. metal reinforcement;
(4) 21 MFBM treated lumber;
(5) 107,000 lbs. structural steel;
(6) 456 lin. ft. concrete handrail;
(7) 8800 cu. yds. approcah excavation
(8) 260 lin. ft. culvert pipe;
(9) 1900 cu. yds. rock surfacing.

MARION COUNTY:
Bridge over Mill Creek on the Beaverton-Aurora Secondary Highway at Aurora. Project NRS 231. The work involves:
(1) 20 cu. yds. struc. excav.;
(2) 2200 lin. ft. treated trestle piling
(3) 185 cu. yds. concrete;
(4) 41,000 lbs. metal reinforcement;
(5) 41 MFBM treated lumber;
(6) 505 lin. ft. composite handrail;
(7) 1100 cu. yds. embankment in place;
(8) 150 cu. yds. rock sub-base;
(9) 120 tons Class A asph. conc.;
(10) 200 tons Class C asph. conc.;
(11) 1400 sq. yds. surface finish coat.

POLK COUNTY:
Bridge over Gooseneck Creek on the Dallas-Coast Secondary Highway at Buell. Project NRS 215-B. The work involves:
(1) 75 cu. yds. excavation;
(2) 42 cu. yds. concrete;
(3) 7500 lbs. metal reinforcement;
(4) 12 MFBM treated lumber;
(5) 134 lin. ft. composite handrail;

TILLAMOOK COUNTY:
Bridge over Little Nestucca River on Little Nestucca Secandary Highway near Dolph. Project NRS 214. The work involves:
(1) 65 cu. yds. excavation;
(2) 125 cu. yds. concrete;
(3) 13,000 lbs. metal reinforcement;
(4) 6½ MFBM treated lumber;
(5) 94,000 lbs. structural steel;
(6) 75 lin. ft. treated trestle superstructures.

YAMHILL COUNTY:
Bridge over branch of Chehalem Creek on Yamhill-Newberg Secondary Highway at Newberg. Project NRS 219-E. The work involves:
(1) 2600 lin. ft. treated trestle piling
(2) 215 cu. yds. concrete;
(3) 49,000 lbs. metal reinforcement;
(4) 52 MFBM treated lumber;
(5) 603 lin. ft. composite handrail;
(6) 1950 cu. yds. embankment in place
(7) 350 cu. yds. rock surfacing.

Plans and specifications obtainable from the office of the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5 per set. R. H. Baldock, State Highway Engineer.

AWARD

LOS ANGELES COUNTY, Cal.—David J. Reed, 6348 Colgate Ave., and Joseph Maiser, 1241 W. 97th St., Los Angeles, at $23,458 awarded contract by State Highway Commission, Sacramento, for constructing a bridge across Ramona Blvd. at Lord St., in the City of Los Angeles, consisting of two reinforced concrete slab spans 50-ft. in length on reinforced concrete piers and reconstructing existing timber stringer spans on timber bents and concrete footings.

CONTRACT AWARDED

CALAVERAS COUNTY, Cal.—Poulous & McEwen, 2522 17th St., Sacramento, at $22,511 (second low bidder) awarded contract by State Highway Commission, Sacramento, for constructing two bridge between 6 and 7 miles south of San Andreas in Calaveras County.

Low bid of C. A. Baker and J. W. Hoopes, Sacramento, at $21,346 was disqualified. 21

APPROPRIATION AUTHORIZED

LOS ANGELES, Cal.—The Los Angeles County Supervisors authorized an appropriation of $87,874.31 January 8, to the County bridge departments for repairs to bridges damaged by the recent flood. George W. Jones, County Road Commissioner.

CONTRACT AWARDED

ALAMEDA COUNTY, Cal.—Clinton Constr. Co., 923 Folsom St., San Francisco, at $253,665 awarded contract by Department of Public Works, 500 Sansome St., San Francisco, for the construction of a structure consisting of 22 reinforced concrete piers with timber piles, 10 reinforced concrete spans for the lower deck highway and interurban traffic and 6 reinforced concrete spans for the upper deck highway, located in Oakland, immediately east of the East Bay crossing of the San Francisco-Oakland Bay Bridge in Alameda County. 21

FUNDS ALLOTTED.

OREGON STATE.—Federal Administration of Public Works has allotted a 30% grant to the State of Oregon towards the cost of constructing five bridges. The estimated cost and location of the bridges follows:

Waldport, Lincoln County	$ 711,000
Newport, Lincoln County	1,128,418
Reedsport, Douglas County	537,700
Reedsport, douglas County	537,700
Coos Bay, Coos County	2,225,052

R. H. Baldock, state highway engineer.

FUNDS ALLOCATED

LOS ANGELES, Cal.—The Federal Public Works Administration has allotted to the City of Los Angeles $200,-000 (loan and grant) for the extension of the Los Angeles City harbor belt line and construction of a trestle over Nigger Slough drainage channel.

APPROPRIATION AUTHORIZED

LONG BEACH, Cal.—The Los Angeles County Supervisors authorized the appropriation of $10,000 to the City of Long Beach, January 8, to finance the reconstruction of a bridge over the flood control channel in Long Beach.

22—DREDGING HARBOR WORKS EXCAVATION

FUNDS ALLOTTED

LAGUNA BEACH, Cal.—The Public Works Administration has allotted $190,000 to the City of Laguna Beach to finance construction of a sewage disposal and treatment plant. 32

FUNDS ASKED

CALIFORNIA STATE—General E. Markham, Chief of Army Engineers, has recommended to Congress appropriation of $1,530,000 for Flood Control Work on the Sacramento River; and $550,000 for extension of the detached breakwater at Los Angeles and Long Beach Harbors. Appropriation of $993,800 is asked for maintenance of California rivers and harbors during the fiscal year of 1935.

LOW BIDDERS

GOVERNMENT ISLAND, Cal.—M. B. McGowan, 74 New Montgomery St. San Francisco, at $384,700 submitted low bid to U. S. Coast Guard Headquarters, Washington, D. C., for the construction, under one general contract, of a steel sheet pile bulkhead approximately 2320 feet in length, anchorages, a reinforced concrete pavement 6-in. thick by 12-ft. wide by approximately 1478 ft. long, and bollard piles and accessories at U. S. Coast Guard Base Eleven, Government Island, Oakland.

The three low bidders were:

M. B. McGowan, S. F.	$384,700
Bodenhamer Const. Co., Oakland	460,000
Ben C. Gerwick, S. F.	461,117

FUNDS ALLOTTED.

HUENEME, Ventura Co., Cal.—The Hueneme Dock Corp., Richard Bard, President, has been allotted federal public works funds in the sum of 1,-600,000 for harbor and terminal facilities at Hueneme. The propos l work will involve the construction of a channel protected by a stone jetty, a central turning basin, wharfage facilities, transit sheds, trackage and necessary highways. The Hueneme Harbor Project had the indorsement of the army engineers on account of the water depth at Hueneme.

Col. Wm. T. Leeds, 605 W 10th St., Los Angeles, consulting engineer.

AWARD RECOMMENDED.

LOS ANGELES, Calif.—E. C. Eaton, 202 N. Broadway, County Flood Control Engineer, has recommended that the county board of supervisors award a contract to Merritt, Chapman and Scott Corp., Ltd., 720 Wilmington - Redondo Blvd., for constructing an outlet at Alamitos Bay, San Gabriel Unit No. 6. The bids were opened Dec. 18.

COMPLETE BIDS

GOVERNMENT ISLAND, Cal.—M. B. McGowan, 74 New Montgomery St., San Francisco, at $384,790 (previously reported) submitted low bid to U. S. Coast Guard Headquarters, Washington, D. C., for construction, under one

general contract, of a steel sheet pile bulkhead approximately 2320 ft. in length, anchorages, a reinforced concrete pavement 6-in. thick by 12-ft. wide by approximately 1478 ft. long, and bollard piles and accessories, at the U. S. Coast Guard Base Eleven, Government Island, Oakland. Complete bids follow:

M. B. McGowan, San Francisco, $384,790, 300 days.
Bodenhamer Constr. Co., Oakland, $460,000, 200 days.
Ben C. Gerwick, San Francisco, $461,117, 240 days.
Healey-Tibbitts Constr. Co., San Francisco, $509,000, 350 days.
Clinton Constr. Co., San Francisco, $517,000, 365 days.
Schuler & McDonald, Oakland, $593,000, 210 days.

CONTRACT AWARDED

LOS ANGELES, Cal.—Merritt, Chapman & Scott Corp., Ltd., 720 Wilmington-Redondo Blvd., at $60,250 was awarded contract by Los Angeles County Supervisors January 8, on Proposal (1) for constructing outlet at Alamitos Bay, San Gabriel River Unit No. 6. The items are:

(1) 95,000 cu. yds. excavation;
(2) 7500 tons finishing and placing riprap, district to pay freight.
(3) Construct 10 type "A" current deflectors.

Complete bids published December 19.

23— IRRIGATION PROJ.

BIDS WANTED

STANISLAUS COUNTY, Cal.—Until January 27, 2 P. M., bids will be received by the Board of Directors of the West Stanislaus Irrigation Dist. at Westly, Stanislaus County, for approximately 2,000,000 sq. ft. of canal lining. Bids are to be received under

Contract No. 24, 350,000 sq. ft.
Contract No. 25, 200,000 sq. ft.
Contract No. 26, 200,000 sq. ft.
Contract No. 27, 200,000 sq. ft.
Contract No. 28, 400,000 sq. ft.
Contract No. 29, 400,000 sq. ft.
Contract No. 30, 250,000 sq. ft.

Award of the contract is contingent upon a loan from the Public Works Administration on a $250,000 bond issue which was voted January 2. If funds are not obtained in time to complete the work before the spring irrigation season starts in April, the work will be postponed until next year. Specifications obtainable from W. F. Woolley, Chief Engineer, upon deposit of $10.

January 9, 1934

FUNDS ASKED

MADERA, Cal.—The Madera Irrigation District, Harry Barnes, Chief Engineer, 120 South D St., Madera, has applied to the Federal Administration of Public Works for a loan of $2,458,900 and a grant of $812,000 to finance the construction of irrigation canals, etc.

TO ASK FUNDS.

HANFORD, Cal.—The Peoples Ditch Co., Hanford, plans to apply to the Federal Public Works Administration for a loan of $80,000 with which to construct a new weir on the Kings river 20 miles northeast of Hanford. Theodore Miller, superintendent.

FUNDS GRANTED

STANISLAUS COUNTY, Cal.—Federal Public Works Administration has granted $311,000 to the Turlock Irrigation District, which will be used for concrete lining approximately 20 miles of irrigation canals.

R. V. Meikle, district engineer.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the Department of Public Works Division of Water Resources, during the month of December, 1933.

7772 (Butte Co.) Chas. Faulhaber, Oroville, for 2 c.f.s. from Sucker Ravine tributary to South Fork Feather river to be diverted for mining purposes. Estimated cost, $2500.

7773 (Kern County) W. G. Cadby, Bakersfield, for 3 c.f.s. from Davis and Greenhorn gulches tributary to Kern river to be diverted for mining purposes.

7774 (Los Angeles County) Kate Freels and Rosie Norish, Saugus, for 650 gals. per day from Oak Spring tributary to Santa Clara creek, for domestic purposes. Estimated cost $50.00.

7775 (Monterey Co.) John and Mary D. O'Shea, Carmel, for .05 c.f.s. from a spring tributary to Big Sur river, for domestic purposes.

7776 (El Dorado County) J. B. Russell, 3840 Sherman Way, Sacramento, for 800 gals. per day from an unnamed stream tributary to the South Fork of American river, for domestic purposes. Est. cost, $50.

7777 (Trinity County) H. F. Martin, Hayford, Cal., for 2 c.f.s. from Summit Creek, tributary to Carr Creek, for mining and domestic purposes. Est. cost, $50.

7778 (Trinity County) T. D. Campbell, 426 Washington Bldg., Los Angeles, for 200 c.f.s. from Trinity river tributary to Klamath river, for mining and domestic purposes. Est. cost $50,000.

7779 (Sierra County) L. F. Johnson 105 Montgomery St., San Francisco, for 50 c.f.s. from North and South branches of Big Canyon Creek, tributary to North Fork of Yuba river, for mining purposes.

7780 (San Bernandino Co.) B. H. Schwarz, 437 S Hill St., Los Angeles, for 1 c.f.s. from spring in Arctic Canyon, tributary to Arctic Canyon, for mining purposes. Est. cost $1,000.

7781 (Sierra County) L. F. Johnson and A. J. Sells, 105 Montgomery St., San Francisco, for 7 c.f.s. from Deacon Long Ravine, tributary to Slate creek and North Yuba river, for mining purposes.

7782 (San Luis Obispo County) City of San Luis Obispo, for 25,000 ac. ft. per annum (gross withdrawal in any one year not to exceed 3000 ac. ft. per annum) from Salinas river, tributary to Pacific ocean, for municipal purposes. Est. cost $980,000.

7783 (El Dorado Co.) B. W. Stone, 161 Ellis St., San Francisco, for 500 c.f.s. and 125,000 ac. ft. per annum from Rubicon river and tributaries to American river, for municipal purposes.

7784 (Siskiyou County) U. S. Shasta National Forest, Mt. Shasta, Calif., for 25,000 gals. per day from Cold Spring, tributary to Ash Creek, for domestic purposes.

7785 (Placer County) J. H. Stephens, 2531 H St., Sacramento, for 115 c.f.s. and 16,000 ac. ft. per annum from stream tributary to the North Fork of American river, for mining purposes.

7786 (Siskiyou County) J. O. McBroom, Cecilville, for 20 c.f.s. from South Fork of Salmon river, tributary to Salmon river, for mining purposes.

7787 (Siskiyou County) John O. McBroom, Cecilville, for 50 c.f.s. from South Fork of Salmon river, tributary to Salmon river, for mining purposes.

7788 (El Dorado County) Oliver L. Morton and D. H. Dunlap, Napa, for 400 gals. per day from a spring tributary to South Fork of American river, for domestic purposes. Est. cost $195.

7789 (Siskiyou County) D. M. Huey, Happy Camp, for 3 c.f.s. from East Fork Indian Creek, tributary to the Klamath river, for power purposes. Est. cost, $4,000.

7790 (Amador County) P. H. Norboe, 3956 1st Ave., Sacramento, for 255,000 ac. ft. per annum from Consumnes river tributary to Mokelumne river, for municipal purposes.

7791 (Amador County) Paul H. Norboe, 3956 1st Ave., Sacramento, for 255,000 ac. ft. per annum from Consumnes river tributary to Mokelumne river, for power purposes.

7792 (Riverside County) Coachella Valley County Water Dist., Coachella, for 10,000 ac. ft. per annum from Salt Creek, tributary to Salton Sea, for irrigation and domestic purposes on 150,000 acres.

7793 (Ventura County) C. F. Robbins, Ventura, for 1 c.f.s. from Middle or Center Creek, tributary to Lockwood and Piru creek, for irrigation and domestic purposes on eighty acres. Est. cost, $1,000.

7794 (Mariposa County) N. M. Leoni, Lemoore, for 3 c.f.s. from North Fork Merced river, for power purposes, 85-hp. to be developed. Est. cost, $100.00.

7795 (Mariposa County) N. M. Leoni, Lemoore, for 3 c.f.s. from North Fork Merced river, for mining and domestic purposes. Est. cost, $100.00.

7796 (Los Angeles County) U. S. Angeles National Forest, Los Angeles, 950 gals. per day, from Quail Spring, tributary to Santa Clara river, for protection and recreational purposes. Est. cost, $250.00.

23

PERMITS ISSUED

SACRAMENTO—Permits to appropriate water issued by the Department of Public Works, Division of Water Resources during the month of December, 1933.

4232, Application 7691, (Sierra County), issued to United State-Tahoe National Forest, Nevada City, Calif., December 1, 1933, for 3250 gals. per day from Gentle Annie Spring for use for recreational purposes. Estimated cost $20.

4233, Application 7692, (Monterey County), issued to State of California, Department of Public Works, Division of Highways, Sacramento, Calif., December 1, 1933, for 500 gals. per day from Bolshevik Creek for use for recreational purposes. Est. cost, $250.

4234, App. 7693, (Monterey County) issued to State of California, Department of Public Works, Division of Highways, Sacramento, Calif., December 1, 1933, for 500 gals. per day from an unnamed creek for use for recreational purposes. Est. cost $250.

4235, App. 7708, (Sacramento County), issued to Mentor Etnyre Johnsville, California, December 1, 1933, for 3.0 cubic feet per second from American River, for use for mining purposes. Est. cost $3000.

4236, App. 7521, (Santa Cruz County) issued to The Paradise Park Masonic Club, a corporation, Santa Cruz, Calif. December 5, 1933, for 1.0 cubic foot per second from two wells for use for domestic purposes. Est. cost $4413.57.

4237, App. 7151, (San Luis Obispo County) issued to City of San Luis Obispo, San Luis Obispo, Calif., December 7, 1933, for 2.32 cubic feet per second from Lopez Creek for use for municipal purposes. Est. cost $600,000.

4238, App. 7152, (San Luis Obispo County) issued to City of San Luis Obispo, San Luis Obispo, Calif., December 7, 1933, for 1799 acre feet per annum for storage from Lopez Creek for municipal purposes. Estimated cost, $600,000.

4239, App. 7678, (Siskiyou County) issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Pat Creek for recreational purposes.

4240, App. 7679, (Siskiyou County), issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Sweetwater Spring for recreational purposes.

4241, App. 7680, (Siskiyou County) issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Niagara Falls—stream for recreational purposes.

4242, App. 7681, (Siskiyou County, issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Browns Creek for recreational purposes.

4243, App. 7682, (Siskiyou County) issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Yumaqua Spring for recreational purposes.

4244, App. 7683, (Humboldt County) issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Little Falls Creek, for recreational purposes.

4245, App. 7684, (Humboldt County) issued to Division of Highways, Department of Public Works, State of California, Eureka, Calif., December 11, 1933, for 1000 gallons per day from Five Mile Creek, for recreational purposes.

4246, App. 7671, (Mono County) issued to Silas A. Lewis, M. D., Los Angeles, Calif., December 13, 1933, for 200 gallons per day from Tamarack Creek, for domestic purposes. Est. cost, $100.

4247, App. 7707, (Mono County) issued to John R. Lang et al, Reno, Nevada, December 13, 1933, for 1000 gallons per day from Tamarack Creek for domestic purpose. Est. cost $350.

4248, App. 7703, (Humboldt County) issued to Anna M. Sullivan, San Francisco, Calif., December 14, 1933, for 1.0 cubic foot per second from Two Creeks for municipal purposes on a subdivision. Est. cost $1500.

4249, App. 7713, (Humboldt County) issued to Mary Pifferini, et al, Arcata, Calif., December 15, 1933, for 2.0 cubic feet per second from Mad River for irrigation purposes on 50 acres.

4250, App. 7615, (Plumas County) issued to E. G. Howard, Spring Garden, Calif., December 20, 1933, for 1.0 cubic foot per second from Pooria Creek for mining and domestic purposes. Est. cost $15.

4251, App. 7662, (El Dorado County) issued to Matthew F. Rudech, Sacramento, Calif., December 20, 1933, for 200 gallons per day from unnamed stream for domestic purposes.

4252, App. 7567 (Inyo County) issued to John S. and Frank J. Boyle, Los Angeles, Calif., December 21, 1933, for 0.67 cubic foot per second from two unnamed sctreams for mining and domestic purposes. Est. cost, $5000.

4253, App. 7463, (Los Angeles County) issued to G. H. Burkhart, Los Angeles, Calif., December 27, 1933, for 20 acre feet per annum from Middle Fork Pallett Creek for domestic purposes and irrigation on 150.25 acres.

4254, App. 7464, (Los Angeles County) issued to G. L. Poser and Hyman Levin, Los Angeles, Calif., December 27, 1933, for 0.25 cubic foot per second from an unnamed spring for domestic purposes and irrigation on 48.5 acres. Est. cost $1000.

4255, App. 7465, (Los Angeles County) issued to G. L. Poser and Hyman Levin, Los Angeles, Calif., December 27, 1933, for 200 acre feet per annum from Middle Fork Pallett Creek for domestic purposes and irrigation of 60 acres. Est. cost, $10,000.

4256, App. 7664, (El Dorado County) issued to John X. Williamson, Rescue, Calif., December 28, 1933, for 0.025 cubic foot per second from Kelly Creek for domestic purposes and irrigation of 20 acres. Est. cost $350.

4257, App. 7696, (Sutter County) issued to California Trust & Savings Bank, in Liquidation, Sacramento, Calif., December 28, 1933, for 18.0 cu. ft. per second, from Sacramento River for irrigation purposes on 1441.7 acres. Est. cost $1000.

23

BIDS REJECTED

IMPERIAL COUNTY, Cal. — All bids for the construction of the All-American Canal of the Colorado River, were rejected by the Bureau of Reclamation January 3. Dr. Elwood Mead, Director of the Bureau, Washington, D. C., stated that the bids were too high and that a decision on the readvertisement of the work must await the arrival of reclamation department engineers from the West.

24—STREET LIGHTING SYSTEM

CONTEMPLATED

YREKA, Siskiyou Co., Cal.—Yreka city council is contemplating installation of approximately 87 electroliers on Main street It is proposed to do the work while the street is being improved by the State Highway Commission. Estimated cost, $17,000.

BIDS WANTED.

ALBANY, Alameda Co., Cal.—Until January 22, 8:30 P. M., bids will be received by H. W. Brewer, city clerk, City Hall, Albany, for the installation of a street lighting system on San Pablo Ave., involving:

(1) 75 tubular steel poles with foundations;
(2) 75 cast iron ornamental brackets and lighting units with 6000 lumen lamps ;
(3) 22,000 lin. ft. No. 6 weatherproof wire;
(4) 1,600 lin. ft. No. 8 stranded do;
(5) 75 cast iron pole tops with special arms, pins and insulators.

Specifications obtainable from City Engineer H. I. Dygert, City Hall, upon deposit of $2.50.

A. Soda & Son, 1077 65th St., Oakland, at $11,111 submitted low bid on December 27.

25—MACHINERY AND EQUIPMENT

BIDS REJECTED

SACRAMENTO, Cal.—All bids received by city council for furnishing nine garbage trucks were rejected.

James S. Dean, city manager, was authorized to purchase the trucks in the open market.

The lowest bidder was W. I. Elliott Co., Sacramento, but a technicality prevented its acceptance.

AWARDS

OAKLAND, Cal.—Robinson Tractor Co., 1705 E 12th St., Oakland, at $3,858.92 (tractor) and Cochran & Celli, 417 Sixth Street, Oakland, at $1213.96 (trailer) awarded contract by East Bay Municipal Utility District for furnishing one 3-cylinder, 35 minimum h.p. track layer tractor and one 4-wheel low bed trailer.

PLANNED.

MADERA, Cal.—City Council of Madera will meet January 15 to decide upon the installation of a power plant at the city's new well. The choice is to be made between an electrical or a Diesel power engine.

CONTRACT AWARDED.

LOS ANGELES, Cal.—General Electric Co. at $38,200 awarded contract by A. J. Holm, Purchasing Agent, January 8, for furnishing Water and Power Department with materials for remodeling eight oil circuit breakers under Item (S-1C-Alt.) Specification No. 5223. Bids under Item 2 were rejected. Bids were opened December 15.

BIDS OPENED.

PASADENA, Cal.—Bids for furnishing automatic induction feeder voltage regulators, were received by the Pasadena city directors January 9, as follows:

(1) 2 regulators;
(2) 4 regulators;
(3) 6 regulators;
(4) 8 regulators;
(5) 10 regulators;
(6) 12 regulators.

The bids were:

General Electric Co., (1) $4040; (2) $8080; (3) $12,120; (4) $15,350; (5) $19,187; (6) $23,025.

Westinghouse Electric & Mfg. Co., (1) $4060; (2) $8120; (3) $12,180; (4) $15,430; (5) $19,287; (6) $23,145.

The bids were referred to City Manager C. W. Koiner.

BIDS OPENED

SAN FRANCISCO — United Iron Works, 502 Second St., Oakland, at $865 submitted low bid to the Purchasing Officer, 12th Naval District, 100 Harrison St., San Francisco, for furnishing one centrifugal pump, for Yerba Buena Island. Sch. 9883. Complete bids follow:

United Iron Works, Oakland	$ 865.00
Byron Jackson Pump Co., Berkeley	933.75
Western Engr. Co., S. F.	949.00
Worthington Pump Co., S. F.	1031.00
De Laval Steam Turbine Co., San Francisco	1575.00

26— RAILROADS

TO ASK FUNDS

CALIFORNIA - OREGON — The Grants Pass City Council has endorsed an application to the Public Works Administration for $5,000,000 to complete the California and Oregon Coast Railroad line between Grants Pass, Oregon, and Crescent City, Calif. The City proposes to apply for $2,000,000 to extend the line from Grants Pass to the California State line, contingent upon a companion application by the Crescent City Harbor District for $3,000,000 to extend the line from there to Crescent City.

28—FIRE EQUIPMENT

AWARDS

COALINGA, Cal.—Tom Spear, 152 E Elm St., Coalinga, at $720.58 (1) truck chassis and P. E. Van Pelt, Oakdale, at $600.00 (2) fire pump, awarded the contract by Coalinga city council, for furnishing as follows:

(1) Truck chassis: 1½-ton truck chassis of 157-in. wheel base, equipped with dual rear tires and overload springs;

(2) Fire pump: one 350-gal. per minute fire pump with fittings to connect on standard truck chassis as described above. Said pump to have 2½-in. National Standard tread.

Complete bids follow:

Item (1)

C. R. Vanderlip, Coalinga, $677.21 (Ford).

Tom Spear, Coalinga, $720.58, Dodge.

V. V. Oyster, Coalinga, $784.63 (Chevrolet).

ITEM (2)

P. E. Van Pelt, Oakdale, $600.00 less 10%.

DeLaval Pacific Co., San Francisco $656.00.

American LaFrance & Foamite Co. San Francisco, submitted lump sum bid at $4,000 for truck and pump.

PETITION FILED

AVENAL, Kings Co., Cal.—Property owners in Avenal and vicinity have filed a petition with the Kings County Board of Supervisors asking formation of a fire district.

30—RESERVOIRS & DAMS

BIDS OPENED

VERDE PROJECT, Ariz.—Fred B. Cannon and Frank G. Cannon, 223 S Pannes St., Compton, Cal., at $5725 submitted low bid to U. S. Bureau of Reclamation, Phoenix, for diamond drilling at Camp Verde on the site of the main dam of the Verde River Irrigation and Power District. Other bids were:

New Mexico Const. Co., Albuquerque, N. M.	$ 7,650.00
Continental Diamond Drilling Co.	10,900.00
Diamond Drill Cont. Co., Spokane, Wash.	12,227.50
E. G. Longyear Exploration Co., Minneapolis	12,325.00
Sprague & Henwood, Scranton, Pa.	12,700.00
Sullivan Mchy Co., El Paso	13,175.00

Bids were referred to the chief engineer at Denver.

Bids were also opened for test pit work. New Mexico Const. Co. submitted low bid at $6530. E. J. Longyear Exploration Co. submitted a bid of $8625.

PRELIMINARY PLANS

VERDE PROJECT, Arizona.—R. F. Walter, Chief Engineer, U. S. Bureau of Reclamation, Customhouse, Denver, is preparing preliminary plans for the Verde Project. Present indications point to a start on the project about May of 1934. Information available at this time is tentative only and will be supplemented by more detailed information from time to time as calls for bids are issued by the Bureau of Reclamation.

The Camp Verde reservoir, with a capacity of nearly 1,000,000 acre feet, will be formed by a masonry dam 265 feet high with a maximum length of 1300 feet, located due east of Prescott. The diversion dam located 20 miles above the mouth of the Verde river will be 30 ft. high and 350 ft. long. Between these two dams a reservoir will be provided at either the Bartlett or Horseshoe sites with a capacity of 250,000 acre feet, to store water originating below Camp Verde reservoir. At either site the dam would have a height of about 200 ft. and a maximum length of about 1200 feet, but the type of dam has not been determined.

FUNDS ASKED

WASHOE COUNTY, Nevada — Washoe County Commissioners have authorized an application to the Public Works Administration for a loan of $1,000,000 with which to construct a storage reservoir on the Truckee River.

FUNDS ALLOTTED

LOS ANGELES, Cal.—The Federal Public Works Administration announced January 4 that a loan and grant of $2,000,000 for the construction of the Parker Dam has been included in $3,551,000 allotted for public works in Southern California.

FUNDS ALLOTTED.

SAN FRANCISCO.—Federal Public Works Administration has allocated $3,500,000 to the City of San Francisco for increasing the height of O'Shaughnessy Dam. Bonds in that amount were voted by the city at an election November 7.

FUNDS APPLIED FOR.

LODI, San Joaquin Co., Cal.—City of Lodi has applied to the Federal Administration of Public Works for a loan and grant of $580,000 to finance the Mokelumne river power development by constructing a concrete arch dam 59-ft. high in the Mokelumne river about 27 miles from Lodi, a reinforced concrete power house containing 1375 KVA generator connected to four reaction type water wheels of a combined capacity of 1200 cu. ft. per second; a step-up transformer station at the power house and 27 miles of transmission lines at Lodi; also a step-up transformer station within the city limits.

F. C. Herrman, Merchants Exchange Bldg., San Francisco; Walter L. Huber, Crocker First National Bank Bldg., San Francisco, and Nelson A. Eckart, 425 Mason St., San Francisco, are the engineers.

31—PIPE LINES & WELLS

FUNDS ALLOTTED.

LA MESA, San Diego Co., Cal.—The Federal Public Works Administration has announced allocation of $600,000 to the La Mesa-Spring Valley-Lemon Grove Irrigation District, San Diego County, to finance the laying of a concrete pipeline to replace the existing flume.

AWARD

NAPA, Cal.—O. J. Pearson, 88 Franklin St., Napa, awarded contract at $2802 by Dept. of Public Works, Sacramento, for drilling and testing a water well at the Napa State Hospital.

BIDS WANTED.

NOGALES, Ariz.—Until Jan. 22, 10 A. M., bids will be received by the International Boundary Commission, State Department, at El Paso, Texas, for constructing the Nogales Flood Control Project. The work consists of the construction of a single barrel-conduit with the inside dimensions 20 ft. in width and varying from 11 ft. 2 in. to 18 ft. 8 in. in height, and with length of 4320 ft., and of open concrete channel, 930 ft. long, varying from 22 to 25 ft. in width, with side walls 16 ft. 6 in. in height. One concrete highway bridge will be required. The principal items of the work are:

(1) 63,200 cu. yds. common excav.;
(2) 17,200 cu. yds. rock excav.;
(3) 16,760 cu. yds. concrete;
(4) 2,287,000 lbs. reinf. steel.

Copies of drawings and specifications obtainable from above office upon a deposit of $2 (returnable). L. M. Lawson, commissioner.

BIDS WANTED

SAN FRANCISCO—Until January 19, 3 P. M., bids will be received at the office of the Public Utilities Commission, Room 225, City Hall, for the construction of pipe lines in the Coast Range Division of the Hetch Hetchy Aqueduct (Overflow pipes from Alameda Creek Portals), (H.H.W.S. Contract No. 146), involving:

(1) Lump sum — constructing pipe line near East Portal;
(2) Lump sum — constructing pipe line near West Portal;
(3) Per cu. yd.—additional excavation in pipe trenches excavated by the City, 100 cu. yds.
(4) Per cu. yd.—1300 cu. yds. backfilling pipe trenches excavated by the City.
(5) Per cu. yd.—900 cu. yds. excavation and backfilling of pipe trenches not excavated by the City;
(6) Per cu. yd.—800 cu. yds. excavation for baffle structures and canals;
(7) Per cu. yd.—75 cu. yds. Class A concrete;
(8) Per lb.—13,000 lbs. furnishing and placing reinforcing steel;
(9) Per lb.—5000 lbs. furnishing and installing miscellaneous steel work;
(10) Per cu. yd.—60 cu. yds. rock paving at baffle structures.

Total, Items 1 to 10.

Specifications obtainable at Room 609, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10.

BIDS WANTED

LOS ANGELES, Cal.—Until Jan. 30, 11 A. M., as previously reported, bids will be received by the Metropolitan Water District, 306 W 3rd St., Los Angeles, for constructing the East Eagle Mountain Tunnel, and Schedules 7 and 8 of the Coachella Tunnels and appurtenant works, of the Colorado river aqueduct, in accordance with Specification 64.

The East Eagle Mountain Tunnel is located in the Eagle Mountains about 43 miles east of Indio, and the Coachella Tunnels are located in the Little San Bernardino Mountains, approximately 25 miles northwest of Indio; all in Riverside County. The work to be bid upon consists of the excavating and lining of approximately 3. 89 miles of horseshoe section water supply tunnel with an interior diameter of 16 ft. and has been divided into schedules as follows:

Schedule 1—East Eagle Mountain Tunnel, 1.79 miles in length.

Schedule 7—Coachella Tunnel, 3.14 miles in length.

Schedule 8—Coachella Tunnel, 3.36 miles in length.

The work involves:

SCHEDULE 1

Construction of East Eagle Mountain tunnel and appurtenant works, between Sta. 5879 plus 31 and Station 5973 plus 91. Tunnel length 9,460 ft. Note: No bid will be considered for less than all the items of a schedule.

(1) tunnel access works (lump sum)
(2) does not apply here;
(3) 114,000 cu. yds. excav. in tunnel;
(4) 50 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 31,000 cu. yds. conc. in tunnel;
(7) 1000 MFBM furnish & place permanent timbers in tunnel;
(8) 100 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnel;
(10) 40 connections for grouting;
(11) 50 cu. yds. placing grout;
(12) 50,000 lbs. placing reinf. steel;
(13) 10,000 cu. yds. miles overhaul of concrete aggregates;
(14) 5500 ton-miles hauling steel;
(15) 375,000 ton-miles haul cement.

SCHEDULE 7

Construction of the Coachella tunnels and appurtenant works between Station 8847 plus 90 and Station 9021 plus 50. Tunnel length, 16,600 feet. Note: No bid will be considered for less than all the items of a schedule.

(1) does not apply here;
(2) 19,000 cu. yds. excav. in approach cuts;
(3) 210,000 cu. yds. excav. in tunnels
(4) 50 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 55,000 cu. yds. conc. in tunnels;
(7) 2500 MFBM furnish & place permanent timbers in tunnels;
(8) 200 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnels;
(10) 15 connections for grouting;
(11) 20 cu. yds. mix and place grout;

(12) 50,000 lbs. placing reinf. steel;
(13) does not apply here;
(14) 3000 ton-miles hauling steel;
(15) 160,000 ton-miles hauling cem.

SCHEDULE 8

Construction of the Coachella tunnels and appurtenant works between Station 9021 plus 50 and Station 9277 plus 30. Tunnel length, 20,930 feet. Note: No bid will be considered for less than all the items of a schedule.
(1) does not apply here;
(2) 87,000 cu. yds. excav. in approach cuts;
(3) 270,000 cu. yds. excav. in tunnels;
(4) 100 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 70,000 cu. yds. conc. in tunnels;
(7) 3550 MFBM furnish & place permanent timbers in tunnel;
(8) 350 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnels;
(10) 50 connections for grouting;
(11) 20 cu. yds. mix and place grout;
(12) 100,000 lbs. placing reinf. steel;
(13) does not apply here;
(14) 3400 ton-miles hauling steel;
(15) 150,000 ton-miles hauling cem.

Specifications and drawings obtainable from the office of the engineer, room 1007, 306 W 3rd St., Los Angeles, upon payment of $5 per set, not returnable. F. E. Weymouth, general manager and chief engineer.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for constructing East Eagle Mountain Tunnel and Schedules 7 and 8 of the Coachella tunnels and appurtenant works of the Colorado River Aqueduct, under Spec. No. 64, bids for which will be opened by the Metropolitan Water District, 306 W 3rd St., Los Angeles, January 30, 11 A. M. (previously reported) are:

Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.

J. H. Brock, 548 S Spring St., Los Angeles.

Ernest Potts, 308 N Sycamore, Los Angeles.

Hinman Bros. Const. Co., Box 2882, Denver, Colo.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

S. S. Magoffin Co., Inc., Adrian, Oregon.

W. R. Fontaine, care W. A. Bechtel Co., 155 Sansome St., San Francisco.

Geo. Pollock Co., 1013 Forum Bldg., Sacramento.

Lee Redman, 1460 E Fourth Street, Los Angeles.

Fidelity & Deposit Co. of Maryland, 405 Montgomery St., San Francisco.

Hunkin-Conkey Const. Co., 316 N Rossmore, Los Angeles.

West Const. Co., Whitewater, Cal.

Morrison - Kundsen Co., 1121 Title Guarantee Bldg., Los Angeles.

Geo. K. Thompson, 2301 W 9th St., Los Angeles.

Giant Powder Co., 805 Title Guarantee Bldg., Los Angeles.

P. A. Williams, 1460 E Fourth St., Los Angeles.

Bids on the East Eagle Mountain Tunnel were previously opened May 22 and the bids rejected due to stipulations of the low bidder, John Griffiths & Sons Co., Chicago, which made the bid higher than the engineer's estimate.

AUTHORITY GRANTED

CARPINTERIA, Santa Barbara Co., Calif.—The Railroad Commission has granted authority to the Carpinteria Water Company to request a $12,000 loan from Federal Emergency Administration of Public Works. If the loan is obtained the money is to be used to bore another well.

32—SEWERS & SEWAGE DISPOSAL PLANTS

FUNDS ASKED

NORTH SACRAMENTO, Cal.—The City of North Sacramento has applied to the Federal Public Works Administration for a grant of $7,392 to aid in the cost of constructing a sewage disposal plant. Total estimated cost, $27,640.

FUNDS APPLIED FOR

HUNTINGTON BEACH, Orange Co. Cal.—City of Huntington Beach applied to the Federal Administration of Public Works for a loan of $75,-939.40 and a grant of $23,949.60, to finance the construction of a sewage disposal plant outfall sewer. Ormand A. Stone, 605 W 10th St., Los Angeless, is the consulting engineer.

The work will include a pumping plant, sludge digester, sprinkler filter, sludge drying beds, secondary clarifier, garage and tool house, piping and valves, cement crubs, 4000 cu. yds. fill, grading and oiling fill, operator's house, landscaping, 2100 ft. of 18-in. trunk sewer, 5000 ft. of 21-in. outfall sewer and manholes, etc.

FUNDS APPLIED FOR

CARPINTERIA, Santa Barbara Co., Cal.—The City of Carpinteria has applied to the Federal Administration of Public Wroks for a loan of $30,-950 to finance the construction of sanitary sewers. Fred L. Johnston, 23 W Figueroa St., Santa Barbara, consulting engineer. The work involves:

Main

(1) 2,800 ft. 6-in.;
(2) 1,500 ft. 8-in.;
(3) 3,000 ft. 10-in.;
(4) 300 ft. 15-in.

Structures

(5) 25 manholes;
(6) 5 flushing manholes;
(7) 5 lampholes;
(8) 25 chimneys;

Estimated cost, $25,950.

(9) 70 side connections.

FUNDS APPLIED FOR.

CARMEL, Monterey Co., Cal.—Carmel Sanitation District, Carmel, H. F. Dickenson, president, has applied to Federal Administration of Public Works for a grant of $15,700 towards the cost of constructing a sewage disposal plant. The total estimated cost is $85,260.00.

BOND ELECTION

HILLSBOROUGH, San Mateo Co., Cal.—A special election will be held in Hillsborough, January 13, to vote on a bond issue of $60,000 for reconstruction and enlargement of the city's sewer system. Federal aid will be asked by the City Council if the vote on the project is carried.

January 9, 1934

FUNDS GRANTED

MODESTO, Cal.—The City of Modesto has been granted $2000 by the Federal Public Works Administration to aid in the construction of an extension to the sanitary sewers in 19th Street, Modesto.

FUNDS ALLOTTED

PHOENIX, Ariz.—The Federal Public Works Administration has approved allotments of $420,000 for a sanitary sewer system extension and $315,000 for storm drain extensions. The grants were $95,000 for sanitary sewers and $75,000 for the storm sewer. S. NcN. Johnson is the City Manager.

ENGINEERS APPOINTED

SAN JACINTO, Cal.—Koebig & Koebig, consulting engineers, 458 South Spring St., Los Angeles, have been appointed by the City Council of San fications for the construction of a sewer system and a disposal plant. The cost has not been estimated at the present time. The engineers will also prepare the application data for federal funds and assist in making the application to the local federal officials.

FUNDS ASKED.

COALINGA, Calif. — Coalinga City Council has filed an application with the Public Works Administration for a grant of 30% of the cost of labor and materials on a proposed sewage treatment plant. Estimated total cost $20,000. John S. Bates, 3134 Eton Ave. Berkeley, consulting engineer.

LOAN AND GRANT APPROVAL.

HAWTHORNE, Los Angeles Co., Cal.—A loan and grant of $226,000 for the construction of a sewer system on streets north of El Segundo Ave. to the north city limits, an area of about one square mile, has been approved by the Public Works Administration. The original application was for $205,270.70, but an additional amount to represent the contractor's profit was added. Property owners are reported to be endeavoring to transfer the grant and loan from the PWA to the CWA, in order to receive an outright grant and in that way to obviate the repayment and interest charges under the PWA plan.

According to figures compiled by W. R. Barclay, city engineer, the work will involve:

(1) 2,193 lin. ft. 8-in. C. I. pipe;
(2) 256 lin. ft. 6-in. do;
(3) 2,433 lin. ft. 10-in. vit. clay pipe;
(4) 83,254 lin. ft. 8-in. do;
(5) 51,507 lin. ft. 6-in. do;
(6) 64 10x6 Y's;
(7) 3,315 8x6 Y's;
(8) 1,956 6-in. ⅛ bends;
(9) 195 standard brick manholes;
(10) 43 standard junction manholes;
(11) 11 standard drop manholes;
(12) 95 standard flush manholes;
(13) 138,734 sq. ft. resurfacing;
(14) 4,493 ¾-in. galv. iron pipe fittings;
(15) 4,068 sq. ft. cement conc. bed.

COMPLETING PLANS

ONTARIO, Cal.—Currie Engineering Co., 219 Andreson Bldg., San Bernardino, Consulting Engineers, are completing final plans for an activated sludge type sewage disposal plant and an outfall sewer system for Ontario. The work will be financed by a $60,000 loan and $20,000 grant from the Federal Public Works Administration.

A $60,000 bond issue was voted Dec. 5.

FUNDS ALLOTTED

SAN JUAN CAPISTRANO, Calif.—Federal Administration of Public Works has allotted $20,000 to San Juan Capistrano to finance the construction of sewers.

FUNDS ALLOTTED

SANTA BARBARA COUNTY—Federal Administration of Public Works has allotted a grant of $1000 to the Guadelupe Sanitary District, Santa Barbara County, to aid in constructing a sewer system.

FUNDS GRANTED.

MONTEREY, Monterey Co., Cal.—The Federal Public Works Administration has granted $22,000 to the City of Monterey to aid in the constructing of intercepting and outfall sewers. The city will offer bonds voted Nov. 20 to complete the financing.

33— WATERWORKS

PLANNED.

CUPERTINO - FREMONT, Calif.—Residents of the Cupertino-Fremont districts voted approval of the formation of a publicly owned water supply in the part of the district now served by the Suburban Water Co. The district next proposes to call a $110,000 bond election to finance drilling of wells and laying of mains.

BIDS TO BE ASKED.

HAYWARD, Calif.—The City Council of Hayward, Hayward, Cal., will ask bids shortly, for furnishing necessary pipe to replace 2½-miles of 12-in. water main on Jackson Street to the Alvarado Pumping Plant.

FUNDS ASKED

CRESCENT CITY, Del Norte Co., Cal.—Application has been made to the Federal Public Works Administration, by the Crescent City Council, for $200,000 loan and grant, to finance construction of a municipal power plant and water system.

FUNDS GRANTED

GILROY, Cal. — Federal Public Works Administration has granted $37,000 to the City of Gilroy, for construction of a new cast iron water main, between the reservoir and the City, replacing an old man involving: 13,000 ft. 16-in. class 100 cast iron pipe.

FUNDS ALLOTTED.

COLTON, Cal.—The Federal Public Works Administration has allotted to the City of Colton $93,000 for construction of a water supply system and pump station. The proposed system involves:

(1) 30,655 ft. 6-in. steel pipe;
(2) 8,580 ft. 8-in. do;
(3) 10,400 ft. 10-in. do;
(4) 50 hydrants;
(5) 47 valves;
(6) 35 connections;
(7) 30 fittings;
(8) 2 wells; booster pump station;
(9) 3,000,000 gallon reservoir;
(10) 2,403 cu. yds. excavation;
(11) 1,310 cu. yds. concrete;
(12) 208 tons reinf. steel.

Currie Engr. Co., San Bernardino, consulting engineers.

ELECTION

CALAVERAS COUNTY, Cal.—An election will be held January 16 to vote on a proposal for formation of the Calaveras Public Utility District, incorporating the towns of San Andreas, Mokelumne Hill and Paloma. If the district is voted it is proposed to purchase the plant of the Mokelumne River Power & Water Co. at a cost of $20,000, and to construct improvements and extensions estimated at $168,247 including replacing wood flume and steel pipe lines, cleaning and enlarging open conduit, renewing steel pipe siphons on the Paloma Canal, constructing a supply pipe line for the Calaveras Cement Co plant at San Andreas, constructing a storage reservoir on the South Fork of the Mokelumne River near Railroad Flat, extending supply system to Mokelumne Hill and constructing a new supply line and a distributing system for the town of San Andreas.

PREPARING PLANS

COLTON, Cal.—Consulting Engineers, Currie Engineering Co., 219 Anderson Bldg., San Bernardino, have announced that plans for the water supply system and pump station improvement at Colton will be ready for contractors the latter part of next week. The work is to be done under a recent PWA allotment of $93,000.

FUNDS ALLOTTED.

MORGAN HILL, Santa Clara Co., Cal.—The City of Morgan Hill has received a loan and grant of $49,000 from the Federal Public Works Administration to finance the reconstruction of a water system and replacing of small mains with cast iron pipe and an additional distributing tank.

C. C. Kennedy, Call Building, San Francisco, is the consulting engineer.

FUNDS GRANTED.

TAFT, Kern Co., Cal.—The Federal Public Works Administration has granted $24,000 to the City of Taft and allocated a loan of $56,000, to be secured by municipal bonds, for contruction of new fire mains. The loan and grant may be rescinded, however, due to failure of voters to approve the necessary bonds at the special election held recently. O. R. Boyd, city engineer.

FUNDS ALLOTTED.

CAMBRIA, San Luis Obispo county, Cal.—Federal Public Works Administration has allotted $24,000 to Cambria for the construction of the San Luis Obispo County waterworks district No. 3.

As previously reported, the project has been abandoned.

FUNDS GRANTED

LOMPOC, Cal. — Federal Public Works Administration has granted $5000 to Lompoc to aid in financing of extensions to the city's present water distribution system. The total cost of the proposed work is $15,424, of which $12,388.44 will be expended for material.

34—PARKS AND PLAY-GROUNDS

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Bids are being received by the Custodian, Stockton Post Office, for seeding and planting at the Post Office in Stockton.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED.

SAN MATEO, San Mateo Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at $1796 ($4.49 per ton) submitted low bid and awarded contract by the San Mateo City Council for the construction of asphaltic concrete wearing surface on San Mateo Drive, San Mateo. Complete bids follow:

	Total	Ton
Union Paving Co., S. F.	$1796	$4.49
L. C. Smith, San Mateo	2100	5.25
Calrock Asphalt, S. F.	2412	6.03

BIDS WANTED

LOS ANGELES, Cal.—Until January 29, 2 P. M., bids will be received by the Los Angeles County Supervisors for improving Torrance Blvd., from Madrona Ave., in the City of Tarronce to South Susana Ave. in the City of Redondo Beach, 9414 lin. ft. or 1.78 mi. under Cash Contract No. 459, involving:

(1) 7486 cu. yds. excav. (including shaping and removal of old macadam);
(2) 80 tons asphalt concrete wearing surface (variable thickness);
(3) 378,212 sq. ft. 2-in. asph. concrete wearing surface;
(4) 194,452 sq. ft. 4-in. asph. concrete base;
(5) 212,841 sq. ft. 5-in. disintegrated rock base;
(6) 183,746 sq. ft. 5-in. old macadam base;
(7) 150,270 sq. ft. 4-in. disintegrated rock pave. with rock and oil wearing surface;
(8) 42 lin. ft. cem. conc. curtain wall.

George W. Jones, County Road Commissioner. Mame B. Beatty, 501 Hall of Records, Clerk of the Board.

CONTRACT AWARDED.

VENTURA COUNTY, Cal.—Silveria & Robbins, P. O. Box 902, Ventura, at $779.00 awarded contract by Ventura County Supervisors for the construction of a reinforced concrete box culvert and catchbasin linet on Foothill Blvd., at Brent St. at the Ventura city limits, under Contract No. 860. The other bids were:

J. R. Lippincott, L. A. $786.00
United Conc. Pipe Co., L. A. 790.00
J. P. Immell, Ventura 870.00

C. W. Petit, county surveyor. L. E. Hallowell, county clerk.

CONTRACT AWARDED

LOS ANGELES, Cal.—Roads Co., 2145 E. 25th St., L. A., at $22,124.68 awarded contract by L. A. Board of Public Works, Jan. 5, for improving Venice Blvd., from Rimpau Blvd. to La Brea Ave. (center line 1428-ft.)

CONTRACT AWARDED.

SAN FRANCISCO, Calif. — M. J. Lynch, 1435 Church St., San Francisco, at $190.00 awarded contract by the Board of Public Works, City Hall, for constructing a macadam sidewalk on the west side of Van Ness Ave., bet. Beach St. and Fort Mason.

CONTRACT AWARDED.

YAKIMA COUNTY, Wash.—Elliott & Co., Seattle, Wash., at $40,881 (metal pipe) awarded contract by U. S. Bureau of Public Works, Portland, Oregon, for grading 2.89 mi. of the Randle-Yakima Highway in Yakima County.

CONTRACT AWARDED.

SAN FRANCISCO. — M. J. Lynch, 1435 Church St., at $497.82 awarded contract by Board of Public Works, City Hall, for improvement of Shipley St. southwest from 4th St.

BIDS REJECTED.

SAN FRANCISCO.—Board of Public Works, City Hall, has rejected the only bid received, that of Eaton and Smith, 715 Ocean Ave., at $2345.20, for improvement of Tucker Ave. between Alpha and Rutland Streets.

AWARD

OKANOGAN CO., Wash.—Meyers & Goulter, Seattle, at $47,878 awarded contract by Washington State Highway Department, Olympia, for grading and surfacing about 1.9 miles of the Methow Alley Highway, Methow Vicinity Section 1, U. S. Public W'ks Project No. NRS 195-B, in Okanogan County.

Other bids were:

Lucich Co., Seattle $50,035
Tony Morrazzo, Spokane 59,579

CONTRACT AWARDED.

MARCH FIELD, Riverside, Calif.—Mattich Bros., Elsinore, and George Gardner & Son, 45 E Cypress Avenue, Redlands, at $44,980 awarded contract by War Department, Washington, D. C., for oiling and grading additional area to Flight Mat, March Field.

AWARD.

KLAMATH and Douglas Cos., Ore.—Wren & Greenough and Edward C. Gerber, Portland, at $169,672 awarded contract by the Bureau of Public Roads, Portland, for gravel surfacing and bituminous covering on 20.3 mi. of Diamond Lake-Cascade Lake Highways in Klamath and Douglas counties.

BIDS WANTED.

OREGON STATE. — Until January 18, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium, third floor. Public Service Bldg., Portland, for highway construction as follow:s

Benton County

4.12 miles regrarding, surfacing and oil mat surface treatment on Rock Creek-Philomath Section of the Alsea Highway; National Recovery Project NRS 229. Work involves:
(1) 4,700 cu. yds. excavation;
(2) 14,000 cu. yds. gravel surfacing;

Coos County

Marshfield Section of Oregon Coast Highway; NRM 141-D. The work involves:
(1) 13,500 sq. yds. asph. conc. pave. resurface;
(2) 150 sq. yds. 7-in. Port. cem. conc. pavement;

Hood River County

Hood River Section of the Columbia River Highway; Project NRM 35-B. Work involves 9,500 sq. yds. asph. conc. pavement .

Lane County

Eugene Section of Pacific Highway; Project NRM 161-D. Pavement widening and resurfacing, involving:
(1) 9,000 sq. yds. Port. cem. conc. pavement;
(2) 6,500 sq. yds. asph. conc. pave., resurface.

Lane County

Springfield Section of McKenzie Highway; Project NRM 117-B. Pavement widening and resurfacing, involving 2,600 sq. yds. asph. concrete pavement.

Marion County

Mill City - Gates Section of North Santiam Secondary Highway; Project NRS 220; 4.24 miles grading, involving:
(1) 97,600 cu. yds. excavation;
(2) 26,000 cu. yds. roadbed topping.

Multnomah County

Sandy Boulevard - Halsey St. Section of NE 82nd Ave. in the City of Portland; Projects NRM 199-A and NRH 199-A; 1.23 miles pavement widening and resurfacing, involving:
(1) 12,000 lin. ft. concrete cubrs;
(2) 15,800 sq. yds. Port. cement conc. pavement;
(3) 3,600 sq. yds. Port. cem. concrete pavement, base;
(4) 16,100 sq. yds. asph. conc. wearing surface;
(5) 2,300 sq. yds. rock shoulders.

Umatilla County

East Pendleton Section of the Old Oregon Trail; Project NRM 38-B, involving: 7,200 sq. yds. penetration type bituminous macadam.

Union County

La Grande Sect. of Wallowa Lake Highway; Project NRM 80-B, involving: 3,200 sq. yds. penetration type bituminous macadam.

Wallowa County

Wallowa - Lostine Section of Wallowa Lake Highway; Project NRH 40-B and NRM 40-C; 8.189 miles regrading, surfacing and oil mat surface treatment, involving:
(1) 8,500 cu. yds. excavation;
(2) 13,100 cu. yds. pit run gravel borrow;
(3) 48,300 cu. yds. gravel topping;
(4) 8,500 cu. yds. crushed gravel surfacing;
(5) 6,200 cu. yds. crushed gravel for oil surface treatment.

R. H Baldock, State Highway Engineer. Plans and specifications obtainable from the office of the State Highway Commission, Rm. 322, State Office Bldg., Salem, upon deposit of $5.00 per set.

CONTRACT AWARDED.

APACHE COUNTY, Arizona—C. F. Fisher, Phoenix, at $69,486 awarded contract by Bureau of Public Roads, Phoenix, for grading 6.849 miles of Section K of Route 20, Springerville-Alpine State Line National Forest Highway, Apache National Forest, Apache County.

BIDS OPENED.

VENTURA COUNTY, Cal.—Silveria and Robbins, P. O. Box 902, Ventura, County Supervisors, for constructing the Foothill Blvd. storm water concrete lined ditch on Terry Ranch, 908 lin. ft., under Contract No. 861, involving:
(1) 1030 cu. yds. earth excavation;
(2) 181 cu. yds. Class A concrete;
(3) 8260 lbs. reinf. steel.

Complete bids follow:

Silveria & Robbins, (1) $.45 (2) $16 (3) $.04; total, $3704.30.

Jas. A. Bullis, Ventura, (1) $.45 (2) $15.95 (3) $.045; total $3737.35.

United Concrete Pipe Corp., Los Angeles, (1) $.60 (2) $17.35 (3) $.035; total $4232.45.

J. P. Immel, Ventura, (1) $.73 (2) $18.50 (3) $.07; total $4703.80.

J. R. Lippincott, Los Angeles, (1) $.83 (2) $23.25 (3) $.045; total $5454.05.

The bids are being held under advisement. Chas. W. Petit, county surveyor.

CONTRACT AWARDED.

COCONINO COUNTY, Ariz.—Skousen Bros., and Arizona Sand & Rock Co. at $136,915.50 awarded contract by Bureau of Public Roads, Phoenix, for placing bituminous treated crushed rock surface course on 15.448 mi. Section B and C of Route 4, Ashfork-Flagstaff Angell National Forest Hiway, Tusayan National Forest.

PLANS COMPLETED

LOS ANGELES, Cal. — Robert W. Stewart, Los Angeles City Bridge Engineer, has completed plans for constructing the Figueroa St. Tunnel No. 4, between Solano and Bishop Road. Estimated cost, $500,000.

BIDS WANTED.

STANISLAUS COUNTY, Cal.—Until January 31 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 2.2 miles between one-half mile and one mile north of Turlock in Stanislaus county, involving:
(1) 54 each trees to be removed and disposed of;
(2) 10,200 cu. yds. rdwy. excav., unclassified;
(3) 52,500 sta. yds. overhaul;
(4) 985 cu. yds. struc. excav.;
(5) 120 cu. yds. existing pavement and struc. to be removed and disposed of;
(6) 27,500 sq. yds. prepare subgrade for pave.;
(7) 27,000 sq. yds. asph. paint binder
(8) 15,730 tons asph. conc.;
(9) 400 lin. ft. 12-in. CMP;
(10) 60 lin. ft. 18-in. do;
(11) 90 lin. ft. 24-in. do;
(12) 224 lin. ft. 24-in. CMP close riveted and soldered;
(13) 204 lin. ft. 15-in. part circle CMP
(14) 200 lin. ft. salvage exist. culverts
(15) 8 each concrete joints pipe culverts;
(16) 9 each cast steel frames and covers for drop inlets;
(17) 85 cu. yds. Class A Port. cement concrete struc.;
(18) 3,900 lbs. bar reinf. steel struc.;
(19) 420 M. gals. water;
(20) 0.25 mile existing property fence to be removed and reset;
(21) 1.0 mile new property fence;
(22) 6 each fence gates;
(23) 1,100 bbls. heavy fuel oil;
(24) 30.4 M. sq. uds. prepare, mix and shape earth shoulders;
(25) 91 sta. finish roadway;
(26) 36 each monuments complete in place.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

SAN FRANCISCO, Calif. — Until January 17, 2:00 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for construction of sidewalks along Alemany Blvd., Section C from Occan Ave., to Onondaga Avenue and vicinity, involving:
(1) 20,300 sq. ft. concrete sidewalk, (one course)

Estimated cost $2000. Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED.

SAN FRANCISCO COUNTY, Cal.—Until January 31, 2 P. M., bids will be received by State Highway Commission, Sacramento, for paving with asphalt concrete about 0.3 mile between Waterloo St. and Islais Creek Channel, in San Francisco, involving:
(1) 2,700 sq. yds. remove exist. surf.
(2) 10,500 cu. yds. select material;
(3) 2,600 tons crushed run base;
(4 110 M. gals. water;
(5) 6,200 tons asph. concrete;
(6) 5 cu. yds. Class A Port. cement concrete curbs;
(7) 15 cu. yds. Class A Port. cement conc. sidewalks;
(8) 30 tons emulsified asph. road oil;
(9) 35 tons screenings;
(10) 15 each timber guide posts;
(11) 14 sta. finish roadway.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

AWARD

MENDOCINO COUNTY, Cal.—Coats Constr. Co., Sixth and Y Sts., Sacramento, at $45,474 awarded contract by State Highway Commission, Sacramento, for grading and surfacing about 1.4 mi. between McDonald and Yorkville in Mendocino County.

AWARD

SAN MATEO COUNTY, Cal.—John Cassen, 319 Warren St., Hayward, at $8435 awarded contract by Department of Public Works, Division of Highways, No. IV, for grading, surfacing with crusher base, etc., about 0.26 mi. in Daly City, between School and Market Streets in San Mateo County.

AWARD

SANTA BARBARA COUNTY, Cal. —Macco Constr. Co., 815 Paramount Blvd., Clearwater, at $41,686.60 awarded contract by State Highway Commission, Sacramento, for grading and surfacing about 2.1 mi. between Santa Ynez River and Santa Ynez, in Santa Barbara County.

CONTRACT AWARDED

FRESNO COUNTY, Cal. — Valley Paving & Construction Co., P. O. Box 1349, Fresno, at $52,934.40 awarded contract by State Highway Commission, Sacramento, for grading and paving about 0.8 mi. with asphalt concrete between California Ave. and Echo Ave., Fresno.

AWARD

SANTA BARBARA COUNTY, Cal. —J. E. Haddock, 357 N. Chester Ave., Pasadena, at $211,514.90 awarded contract by State Highway Commission, Sacramento, for grading & paving with asphalt concrete on a Portland cement base and with bituminous macadam

surfacing on a crusher run base about 3.2 mi. through Santa Barbara.

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $117,688.50 awarded contract by State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 1.8 mi. in Long Beach between the easterly boundary of the City of Los Angeles and Pacific Ave., Los An-

CONTRACT AWARDED.

YUMA, Ariz.—V. R. Dennis Const. Co., 3911 5th Ave., San Diego, at $14-482.75 awarded contract by Arizona State Highway Commission, Phoenix, for highway construction in NRM 82-E, Yuma streets, AFE 532. The work begins at the south end of the Colorado river bridge at Yuma and extends southwest along Penitentiary Ave. to the east property line of Gila street and is to be completed on or before March 15.

BIDS WANTED

ARIZONA STATE.—Until Jan. 18, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for constructing Project N. R. H. 78-A (A.F.E. 2622) and N. R. H. 78-C (A.F.E. 2651). The work, which is to extend from the town of Concho easterly approximately 14¼ miles to the town of St. Johns, consists of placing base course and road mix and other minor items, and is to be completed on or before May 31.

The principal items are:

(1) 330,000 gals. water;
(2) 26,500 cu. yds. base course;
(3) 71,200 cu. yds. haul base course;
(4) 1,700 cu. yds. shoulder material;
(5) 3,800 cu. yds. ml. shoulder material, haul;
(6) 14,500 cu. yds. mineral agg.;
(7) 100,000 cu. yd. ml. mineral aggregate, haul;
(8) 280,000 gals. road oil;
(9) 229 tons cutback asphalt;
(10) 14.2 miles processing road mix;
(11) 1,200 cu. yds. screenings;
(12) 285 cu. yds. stockpiled material;
(13) 63,700 sq. yds. reshaping road surface;
(14) other misc. items.

Plans and specifications obtainable from the above office. T. S. O'Connell, state highway engineer. Estimated cost, $119,400.

BIDS WANTED

APACHE COUNTY, Ariz. — Until January 18, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, Ariz., for grading Section B2 of Route 1 Petrified National Monument, Apache County, Arizona, involving:

(1) 18,500 cu. yds. unclass. excav.;
(2) 200 cu. yds. unclass excav. for structures;
(3) 13,000 cu. yds. unclass. excav. for borrow;
(4) 2600 sta. yds. overhaul;
(5) 75 cu. yds. concrete;
(6) 5000 lbs. reinf. steel;
(7) 1328 lin. ft. corrugated metal pipe
(8) 10,300 lin. ft. protection ditch;
(9) 6000 cu. yds. ml. borrow haul;
(10) 5 miles obliterating exist. roads;
(11) 1 cattle guard.

Plans and specifications obtainable from above office upon deposit of $10.

C. H. Sweetser, District Engineer.

AWARD

PACIFIC COUNTY, Wash.—Graham Bros. and Medley, Chehalis, Wash., at $110,173 awarded contract by Washington State Highway Dept., Olympia, Wash., for grubbing and grading about 2.4 miles of State Road No. 12, Bruceport to Bone River, U. S. Public Works Project No. NRH 178-F, in Pacific County. Other bids were:

L. Colucciо & Co., Seattle, Wash., $153,945.
Elliott & Co., Inc., Seattle, $188,704.

AWARD

PACIFIC COUNTY, Wash. — Henricks & Co., Chehalis, Wash., at $94,-266 awarded contract by Washington State Highway Department, Olympia, Wash., for grubbing and grading about 2.2 miles of State Road No. 12, Stuart's Slough to Bruceport, U. S. Public Works Project Nos. NRH 178-A and NRH 178-F, in Pacific County.

Only other bidder was Elliott & Co., Inc., Seattle, at $169,258.

AWARD

KING COUNTY, Wash.—Hallstrom and Hallstrom, Seattle, at $14,747.00 awarded contract by the Washington State Highway Department, Olympia, for grading about 1.2 miles of State Road No. 2, lower crossing of South Fork Snoqualmie river West Revision Unit 2 of U. S. Public Works Project No. NRH 142-D, in King County.

Other bids were:

Alex Besoloff & Co., Seattle.....$15,606
Erickson Paving Co., Seattle.... 16,571

LOW BIDDERS

YUMA, Ariz.—V. R. Dennis Const. Co., 3911 5th Ave., San Diego, at $14,482.75 sugmitted low bid to the Arizona State Highway Commission, Phoenix, for highway construction in NRM 82-E Yuma Street, AFE 532. The work which begins at the south end of the Colorado river bridge at Yuma and extends southwesterly along Penitentiary Ave., to the east property line of Gila Street, consists of grading, draining, placing armor coat and widening existing pavement and is to be completed on or before March 15.

William Peper, Phoenix, submitted second low bid at $16,929.55.

AWARD

WHATCOM CO., Wash.—Liche and Nolte, Bellingham, Wash., at $69-184 (Schedule A) awarded contract by Washington State Highway Division, Olympia, for grading and surfacing with crushed stone about 1.2 miles of State Road No. 1 (Bellingham to Austin Pass Branch) Bellingham to Nooksack river revisions, U. S. Public Works Project No. NRS 202-A, in Whatcom county.

Liche & Nolte submitted bid at $71-463 (Schedule B).

Other low bids were:

Wilber & Montfort, Blaine, Wash., Schedule I, $72,176; Schedule 2, $75,-034.00.

Jansen & Whipple, Bellingham, $74-069.00; $75,670.00.

BIDS REJECTED

TRINITY COUNTY, Cal.—All bids received by the U. S. Bureau of Public Roads, October 31, for grading a portion of Section D of Route 5, Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County, have been rejected. The project will be readvertised as a larger contract under an increased appropriation. Granfield-Farrar & Carlin, 67 Hoff St., San Francisco, at $23,-305.30 submitted low bid October 31.

BIDS REJECTED

SHASTA COUNTY, Cal.—All bids received by the U. S. Bureau of Public Roads, San Francisco, December 19, for placing crushed rock subgrade reinforcement on 4.488 miles of Section A of Route 75, Manzanita Lake Nat'l. Forest Highway, Lassen National Forest, Shasta County, have been rejected. The project will be readvertised later this year. E. B. Bishop, Forum Bldg., Sacramento, at $41,150 submitted low bid December 19.

APPROPRIATION AUTHORIZED

SANTA CLARA COUNTY, Cal.—Santa Clara County Board of Supervisors have budgeted $184,000 for improvement of county roads during the six months period ending June 30, 1934. Following projects have been authorized:

SUPERVISORIAL DISTRICT NO. 1	
McKean Avenue	$45,000
SUPERVISORIAL DISTRICT NO. 2	
Villa Vista	$ 4,500
San Antonio Valley Road	2,000
Quimby Road (culvert)	400
Aborn Road	2,000
San Felipe Road	1,000
Kincaid Road	1,000
Keyes Street (Bridge)	2,000
SUPERVISORIAL DISTRICT NO. 3	
Calaveras Road	$ 7,000
Los Esteros Road	2,000
Calaveras Road (in Spring Valley lands)	5,000
Mt. Day Road	1,000
SUPERVISORIAL DISTRICT NO. 4	
Savaker Road	$ 650
Sunol Street	2,000
Pedro Street	2,000
Fruitvale and Northrup Aves.	2,200
Paula Street	650
Frankette Street	1,800
Malone Road and Radio Avenue	1,600
Lincoln Court	1,800
Los Gatos-Almaden Road	7,000
Redmond and Coleman Aves.	3,000
Blaney Avenue	1,500
Campbell Avenue	3,000
Payne Avenue	3,000
Williams Road	4,500
Lincoln Avenue	5,000
Brokaw Road	6,000
Dry Creek Road	2,000
SUPERVISORIAL DISTRICT NO. 5	
San Tomas Acquino	2,000
Alma Soda Springs Road	5,000
Summerhill Ave. at Madalena	2,250
Laguna Ave. in Barron Tract	3,000
Junipero Serra	10,000
West Campbell Avenue	3,000
Los Gatos-Almaden Road	1,500
Alendale	4,000
Oregon Avenue	7,000
Louis Road	10,000
San Antonio Avenue	2,500
Maude Avenue	7,500

BIDS OPENED

GILA COUNTY, Arizona—R. S. Black, Clifton, Arizona, at $1797.60 submitted low bid to U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, Ariz., for highway construction on Route 12, Globe-Holbrook National Forest Highway, Section 7, unit 3, Tonto National Forest in Gila County, involving:

(1) 3462 cu. yds. unclass. excav.;
(2) 115 sta. yd. overhaul;
(3) 0.154 mi. finish earth grade road;
(4) 8 each right-of-way monuments in place;

Complete bids follow:

(A) R. S. Black, Clifton, Arizona, $1,-797.60.
(B) Leo Frost, Joseph City, $2332.60.
(C) J. W. Tretheway, Miami, Ariz., *$2449.33.
(D) Engineer's Estimate, $2349.47.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$ .50	$ .65	$ .69	$ .66
(2)	.10	.10	.05	.05
(3)	150.00	200.00	200.00	200.00
(4)	4.00	5.00	3.00	3.50

*Bid contingent upon acceptance of Unit 2 of Project 12-1.

FUNDS GRANTED

OAKLAND, Cal.—Federal Public Works Administration has granted $1,000,000 to Joint Highway District No. 13, for construction of the Broadway Low-Level Tunnel.

The tunnel will be a double bore 2910 feet between portals and project involves construction of two overhead crossings and viaduct and an underpass beneath the tracks of the

Sacramento-Northern Railway. Estimated cost, $3,752,035.

Wallace B. Boggs, 1448 Webster St., Oakland, Chief Engineer.

TO PREPARE PLANS

OAKLAND, Cal. — Oakland City Council ordered plans to be prepared by the City Engineer, for repairing of 23rd Avenue, between Railroad and 29th Ave. The work will involve grading and paving.

FUNDS ALLOTTED

SAN FRANCISCO, Cal.—The Federal Public Works Administration has allotted $260,000 to the City of San Francisco to finance the improvements at the San Francisco Municipal Airport. The work includes:

(1) Extension of runways;
(2) Filling in of tideland;
(3) Filling, grading, surfacing and drainage of tideland;
(4) Lighting facilities of runway.

Bonds in the amount of $260,000 were voted by the City on November 7th.

NOTICE TO BIDDERS

TULARE COUNTY, Cal.—Representative of the District Office will accompany prospective bidders over the proposed State Highway Project in Tulare County, between Visalia and Merryman Road (VI-Tul-10-C), for which bids are to be received January 24, 1934.

Said representative will meet prospective bidders at Johnson Hotel, Visalia, on Friday, January 12, and Thursday, January 18, at 9 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates.

NOTICE TO BIDDERS

MADERA COUNTY, Cal. — Representative of the District Office will accompany prospective bidders over the proposed State Highway Project in Madera, between Hawkins School and Oakhurst Road, (VI-Mad-125-D), for which bids are to be received January 24.

Said representative will meet prospective bidders at the Hawkins School about three miles north of Coarsegold Inn, on Friday, January 12 and Thursday, January 18, at 9 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates.

BIDS WANTED

KERN COUNTY, Cal.—Until January 31, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing about 1.1 mi. with bituminous treated crushed gravel or stone, bet. one mile south of Delano and two miles south of Delano, in Kern County, involving:

(1) 300 cu. yds. rdwy. excav. unclass.;
(2) 24,000 cu. yds. import. borrow;
(3) 1800 M. gals. water;
(4) 300 cu. yds. struc. excav.;
(5) 60 lin. ft. CMP clean and relay;
(6) 20 cu. yds. remove and dispose of exist. Portland cement concrete;
(7) 135 cu. yds. Class A Portland cement concrete struc.;
(8) 19,500 lbs. bar reinf. steel strucs.;
(9) 4 each culvert markers;
(10) 750 bbls. heavy fuel oil;
(11) 2600 tons cru. gravel or stone;
(12) 150 tons cutback asph. road oil bit. surface treatment;
(13) 2750 tons mix. cutback asph. road oil and cru. gravel or stone;
(14) 1.1 mi. mix. and shaping detours and shoulders;
(15) 220 lin. ft. laminated timber guard rail;

BIDS WANTED.

SAN DIEGO COUNTY, Calif.—Until January 31, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 7.3 miles between one mile north of San Ysidro and National City, in San Diego County, involving:

(1) 170 each trees to be removed and disposed of;
(2) 150 each stumps to be removed & disposed of;
(3) 113,000 cu. yds. rdwy. excav., unclassified;
(4) 46,000 cu. yds. imported borrow;
(5) 1,025,000 sta. yds. overhaul;
(6) 2,100 cu. yds. struc. excav.;
(7) 37,000 tons asphalt concrete;
(8) 53,000 sq. yds. subgrade for pave.
(9) 43,000 sq. yds. asph. paint binder;
(10) 700 tons crusher run base;
(11) 160 cu. yds. Class A Port. cem. concrete struc.;
(12) 9,400 lbs. bar reinf. steel struc.;
(13) 142 lin. ft. 8-in. CMP;
(14) 52 lin. ft. 18-in. do;
(15) 290 lin. ft. 24-in. CMP;
(16) 70 lin. ft. 30-in. CMP;
(17) 1,136 lin. ft. 18-in. reinf. conc. pipe;
(18) 168 lin. ft. 24-in. do;
(19) 16 lin. ft. 36-in. do;
(20) 196 lin. ft. 48-in. do;
(21) 400 cu. yds. conc. to be removed from exist. pave. and struc.;
(22) 6,800 M. gals. water;
(23) 2.0 miles new property fence;
(24) 6 each fence gates;
(25) 0.4 mile existing fence to be removed and disposed of;
(26) 350 lin. ft. CMP clean and relay;
(27) 9 each spillway assemblies;
(28) 500 sq. yds. lined gutters;
(29) 1,100 lin. ft. laminated timber guard rail;
(30) 60 each culvert markers;
(31) 300 each guide posts;
(32) 4,700 bbls. heavy fuel oil;
(33) 7.1 mile prepare, mix and shape shoulders;
(34) 376 sta. finish rdwy.;
(35) 110 each monuments complete in place.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

(16) 56 sta. finish rdwy.;
(17) 6 each monuments in place.

Plans and specifications obtainable from above office, and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the District in which the work is situated.

BIDS WANTED.

LANE COUNTY, Ore.—Until January 24, 10 A. M., bids will be received by W. H. Lynch, District Engineer, U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, for grading 4.553 miles of the Willamette Highway, Project NR-21-E1-F2, National Forest Road Project, located within the Willamette National Forest in Lane county, involving:

(1) 5 acres clearing;
(2) 21 acres grubbing;
(3) 233,750 cu. yds. unclass. excav.;
(4) 3,000 cu. yds. foundation fill;
(5) 165,000 sta. yds. overhaul;
(6) 4.553 miles finish earth graded road;
(7) 12 acres roadside cleanup;
(8) 50 each dangerous trees & snags
(9) 20,000 lin. ft. flat and round cut slope;
(10) 300 cu. yds. Class A concrete;
(11) 30,000 lbs. reinf. steel;
(12) 1,140 lin. ft. reinf. conc. pipe;
(13) 1,120 lin. ft. culverts (Alt.);
(14) 440 lin. ft. corru. galv. metal pipe;
(15) 400 lin. ft. perf. metal pipe;
(16) 1,000 cu. yds. loose rip-rap;
(17) 1,000 lin. ft. porous tile underdrain.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED.

WASHINGTON STATE—Until Jan. 23, 10 A. M., bids will be received by Director of Highways L. V. Murrow, Olympia, for highway construction as follows:

Snohomish County

Grading and surfacing with crushed stone about 4.8 miles of State Rd. No. 1, Bryant Road North in Snohomish County, involving:

(1) 27 acres clearing;
(2) 83,000 cu. yds. excavation;
(3) 29,280 cu. yds. gravel borrow;
(4) 13,450 cu. yds. crushed stone surf.
(5) 12,384 lin. ft. cable guard rail Districts Nos. 5, 2;
(6) 131 lin. ft. pipe culverts;
(7) misc. items of work.

Chelan County

Grading about 1.2 miles of State Road No. 15, Berne East, Unit 2 of U. S. Public Works Project NRH 190-A, in Chelan County, involving:

(1) 16 acres clearing;
(2) 51,830 cu. yds. excavation;
(3) 884 cu. yds. cem. rubble masonry;
(4) 542 lin. ft. pipe culverts;
(5) misc. items of work.

follows:

Snohomish County

Grading and surfacing with crushed stone about 2.4 miles Everett City limits-Broadway St. south extension in Snohomish county, involving:

(1) 78,640 cu. yds. excavation;
(2) 21,300 cu. yds. gravel borrow;
(3) 5,190 cu. yds. crush. stone surf.;
(4) 1,359 lin. ft. pipe culverts;
(5) misc. items of work.

Plans and specifications obtainable from above office upon deposit of $2 for each set.

BIDS OPENED

KING COUNTY, Wash. — Mocerl Bros., Seattle, Wash., at $103,126 (Schedule A) and at $99,426 (Schedule B) submitted low bid to State Highway Department, Olympia, Wash., for paving with Portland cement concrete 40-ft. wide, about 1.5 mi. of State Road No. 1, 4th Avenue South, in the City of Seattle, Unit 2 of U. S. Public Works Project No. NRM 150-D, in King County.

Fiorito Bros., Seattle, Wash., at $104,285 (Schedule A) and at $101,400 (Schedule B) submitted second low bid; third low bidder, N. Fiorito, Seattle, Wash., at $104,694 (Schedule A) and $102,623 (Schedule B), L. V. Murrow, Director of Highways.

BIDS OPENED

SPOKANE COUNTY, Wash.—Chas. A Power, Seattle, Wash., at $127,821 submitted low bid to State Highway Department, Olympia, Wash., for grading and paving with Portland cement concrete or surfacing with crushed stone about 1.6 mi. of State Road No. 2, Spokane West, in and adjoining the City of Spokane, U. S. Public Works Projects No. NRH 156-C and NRM 156-D, in Spokane County.

Clifton & Applegate, Spokane, second low bidder at $128,868; third, Colonial Building Co., Spokane, at $129,780.

AWARD.

VENTURA COUNTY, Cal.—Silveria & Robbins, P. O. Box 902, Ventura, at $3,704.30 awarded contract by the Ventura County Supervisors for constructing the Foothill Blvd. storm water concrete lined ditch on Terry Ranch, 908 lin. ft., under Contract No. 861.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

KERN COUNTY — Grade and Oil Treat 8 Mi. — (State)

KERN COUNTY, Calif.—George K. Thompson, 2201 W 9th St., Los Angeles, at $61,905.58 submitted low bid to State Highway Commission, Sacramento, for grading and treating with fuel oil about 8 miles between Route 140 and Route 58, Kern County.

Complete bids follow:

(A) Geo. K. Thompson, Los Angeles, $61,905.58.
(B) Union Paving Co., San Francisco $69,354.70.
(C) A. Teichert & Son, Inc., Sacramento, $71,182.25.
(D) Dimmitt & Taylor, Los Angeles, $74,118.15.
(E) Hemstreet and Bell, Marysville, $76,133.20.
(F) Griffith Co., Los Angeles, $77,487.25.
(G) Granite Const. Co., Ltd., Watsonville, $78,721.25.
(H) Yglesias Bros., Inc., San Diego, $80,564.45.

Unit items follow:

(1) 26,000 cu. yds. excav. unclass.;
(2) 46,000 sta. yds. overhaul;
(3) 69,000 cu. yds. import. borrow;
(4) 13,000 cu. yds. select material;
(5) 900 cu. yds. struc. excav.;
(6) 15 cu. yds. remove and dispose concrete in exist. struc.;
(7) 45 cu. yds. Class A Port. cement concrete structures;
(8) 1350 lbs. bar reinf. steel strucs.;
(9) 20 lin. ft. 12-in. CMP;
(10) 126 lin. ft. 18-in. CMP;
(11) 420 lin. ft. 24-in. CMP;
(12) 152 lin. ft. 20-in. CMP;
(13) 76 lin. ft. 36-in. CMP;
(14) 24 lin. ft. 60-in. CMP;
(15) 33 lin. ft. CMP clean and relay;
(16) 1025 bbls. light fuel oil;
(17) 3750 bbls. heavy fuel oil;
(18) 8.0 miles mixing bituminous treat.;
(19) 100 cu. yds. broken stone bituminous macadam surface;
(20) 50 bbls. emuls. asph.;
(21) 4500 M. gals water;
(22) 2.4 ml. exist. property fence to be moved and reset;
(23) 11.0 mi. new property fence;
(24) 2.0 mi. hog tight property fence;
(25) 16 each fence gates;
(26) 140 each timber guide posts;
(27) 16 each timber culvert markers;
(28) 423 sta. finish rdwy.;
(29) 31 each monuments complete in place.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .20	$ .20	$ .20	$ .20	$ .23	$ .20	$ .22	$ .22
(2)	.004	.01	.01	.01	.01	.003	.005	.01
(3)	.29	.42	.40	.45	.45	.48	.48	.47
(4)	.68	.80	.80	.65	.70	.66	.79	1.00
(5)	.58	.60	1.00	1.00	.75	.60	.75	.75
(6)	2.00	1 .00	8.00	5.00	2.00	3.00	2.50	5.00
(7)	20.00	16.00	20.00	25.00	25.00	20.00	22.00	25.00
(8)	.05	.04	.05	.07	.06	.06	.06	.08
(9)	1.14	1.00	1.00	1.00	1.10	1.50	1.00	1.25
(10)	1.50	2.00	1.75	1.55	1.50	2.00	1.50	1.70
(11)	2.30	2.70	2.80	2.40	2.50	3.00	2.20	2.50
(12)	2.70	4.00	3.50	3.00	3.10	3.50	2.90	3.00
(13)	4.50	5.00	5.50	4.80	5.00	5.00	4.70	5.00
(14)	13.82	12.00	15.00	12.70	15.00	13.00	13.00	13.00
(15)	2.40	.40	2.00	1.00	1.00	.75	.50	1.00
(16)	1.26	1.90	1.25	1.13	1.20	1.30	1.05	1.25
(17)	1.26	2.00	1.40	1.13	1.40	1.50	.07	1.40
(18)	350.00	200.00	360.00	470.00	500.00	350.00	300.00	425.00
(19)	2.50	2.50	4.00	7.00	5.00	5.50	5.00	4.00
(20)	2.00	3.00	6.00	7.00	5.00	5.50	8.00	7.00
(21)	1.30	.60	.80	.75	1.25	1.30	1.35	1.00
(22)	280.00	100.00	200.00	140.00	150.00	300.00	300.00	200.00
(23)	370.00	300.00	500.00	400.00	380.00	450.00	400.00	400.00
(24)	570.00	350.00	800.00	580.00	700.00	600.00	900.00	825.00
(25)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
(26)	2.00	2.00	1.50	2.00	1.75	2.00	1.40	2.00
(27)	1.90	2.00	2.00	2.00	2.00	2.00	2.00	2.00
(28)	5.40	3.00	2.00	10.00	4.00	5.00	8.00	5.00
(29)	1.90	2.00	3.00	3.00	3.00	3.00	2.50	3.00

APACHE-NAVAJO COUNTIES — Base Course — (Govt.)

APACHE & NAVAJO COUNTIES, Arizona—As previously reported, Everly & Allison, Albuquerque, N. M., at $82,269 submitted low bid to U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, Ariz., for placing a crushed gravel base course on Sections A and B1, of Route 1, and all of Route 2, Petrified Forest National Monument, Apache and Navajo Counties, Ariz., involving:

(1) 16.450 mi. fine grading subgrade and shoulders;
(2) 60,600 tons crushed gravel base course;
(3) 2200 supplem. crushed gravel;
(4) 10,000 tons stockpiling crushed gravel base course;
(5) 10,000 placing stockpiled crushed gravel base course.

Complete bids follow:

(A) Everly & Allison, Albuquerque, N. M., $82,269.
(B) Skousen Bros., Albuquerque, N. M., $88,032.50.
(C) Hodgman & MacVicar, Pasadena, $105,361.
(D) Heafey-Moore Co. and J. A. Casson, Oakland, $127,205.
(E) O. F. Fisher, Phoenix, Arizona, $132,634.75.
(F) Engineer's Estimate, $122,372.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$300.00	$250.00	$500.00	$500.00	$500.00	$175.00	$250.00
(2)	1.23	1.20	1.31	1.31	1.60	1.77	1.60
(3)	1.17	1.00	1.25	1.25	1.60	1.77	1.50
(4)	.01	.50	1.25	1.25	.75	1.05	.65
(5)	.01	.40	.25	.25	1.10	.81	1.15

BIDS OPENED

SAN FRANCISCO—Gill-Mann Co., 629 Fulton St., at $3674 (item 1) and $4037 (item 2) submitted low bid to the Public Utilities Commission for waterproofing and painting buildings at the San Francisco Airport. Following bids received: (1) job complete including items a, b, c, d, e, f, h and i. (2) job complete, including items, a, b, c, d, e, g, h and i:

(1) Gill-Mann	(1)	$3674.00
	(2)	4037.00
(2) Edward Anderson	(1)	$5017.40
	(2)	5380.60
(3) Clinton-Stephenson Construction Co.	(1)	$7212.00
	(2)	7487.00
(4) William Spiveck	(1)	$8773.20
	(2)	9477.10

Unit prices follow:

(A) 26 sag rods;
(B) Wind cone support repair and miscellaneous repairs;
(C) 56 squares waterproofing stucco walls;
(D) 447 squares do;
(E) 180 squares, do, corrugated steel walls;
(F) 454 squares painting hangar roof exterior (one coat);
(G) 454 squares painting hangar roof (2 coats);
(H) 900 squares painting structural steel;
(I) 300 lin. ft. hangar drain ditch.

	(1)	(2)	**(3)	(4)
(A)	$3.50	$13.00	$ 142.00	$ 23.00
(B)	.....	.....	291.00	330.00
(C)	3.30	5.50	253.00	9.20
(D)	1.33	2.80	2295.00	6.10
(E)	.96	4.00	1000.00	6.30
(F)	1.13	1.20	1042.00	1.97
(G)	1.92	2.00	1417.00	3.30
(H)	1.38	1.45	1957.00	2.55
(I)	.....	1.20	231.00	1.66

**Total bids for unit prices.

BIDS OPENED

ALAMEDA AND CONTRA COSTA COUNTIES, Cal.—Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $209,964.20 submitted low bid to the State Highway Commission, Sacramento, for grading and paving about 6.8 miles with asphalt concrete and Portland cement concrete, through Emeryville, Oakland, Berkeley, Albany and El Cerrito in Alameda and Contra Costa Counties, involving:

(1) 1 lot remove and dispose of palm trees;
(2) 40,450 sq. yds. rdwy. grading;
(3) 500 cu. yds. unsuitable subgrade material be removed;
(4) 8650 tons crusher run base;
(5) 5310 cu. yds. Class A Port. cem. concrete pavement;
(6) 1800 cu. yds. Class A Port. cem. conc. plain curb and gutter;
(7) 640 cu. yds. Class A Port. cem. conc. armored curb and gutter;
(8) 410 cu. yds. Class A Port. cem. concrete sidewalks and driveways;
(9) 30 cu. yds. Class A Port. cem. conc. alterations;
(10) 51,745 lbs. bar reinf. steel strucs. curb and gutter;
(11) 37,200 sq. yds. heating asph. surf.
(12) 10,420 tons asph. conc. level. and type A surface;
(13) 3190 tons asph. conc. type B surf.
(14) 46,360 sq. yds. asph. paint binder;
(15) 5000 lin. ft. granite curbs to be removed and reset;
(16) 10 lin. ft. 21-in. CMP;
(17) 10 lin. ft. 24-in. CMP;
(18) 1320 lin. ft. 24-in. extra struc. reinf. concrete pipe;
(19) 64 lin. ft. 27-in. extra str. reinf concrete pipe;

(20) 490 lin. ft. 12-in. vitrified pipe;
(21) 620 lin. ft. 15-in. do;
(22) 650 lin. ft. 18-in. do;
(23) 40 lin. ft. 24-in. do;
(24) 220 lin. ft. reinf. conc. box culv.;
(25) 160 lin. ft. 36-in. x 6-in. part circle CMP culverts;
(26) 510 lin. ft. part circle CMP culverts to be removed and disposed of;
(27) 30 each air vents to be removed and replaced;
(28) 9 each sewer manholes;
(29) 20 each exist manholes to be adjusted to grade;
(30) 36 each storm water inlets Type B;
(31) 8 each storm water inlet sewers;
(32) 6 each storm water inlet siphons
(33) 41 each curb inlets, Albany;
(34) 7 each reinf. conc. catchbasins;
(35) 2 each manhole tops and covers for exist catchbasins;
(36) 13 each drop connections to manholes;
(37) 10 each new cast-iron handholes;
(38) 5 each exist. handholes, remove and reset.

Complete bids follow:
(A) Peninsula Paving Co., San Francisco, $209,964.20.
(B) Heafey-Moore Co., Oakland, $211,535.03.
(C) Southern California Roads Co., Los Angeles, $216,217.55.

Unit bids follow:

	(A)	(B)	(C)
(1)	$600.00	$1750.00	$800.00
(2)	.68	.41	.57
(3)	1.40	2.00	.90
(4)	1.80	1.70	2.20
(5)	8.75	9.50	8.90
(6)	12.35	12.50	12.40
(7)	15.70	14.00	14.70
(8)	13.45	18.00	12.60
(9)	23.50	20.00	30.00
(10)	.15	.045	.05
(11)	.17	.125	.20
(12)	3.05	3.65	3.70
(13)	3.30	4.45	4.20
(14)	.02	.025	.03
(15)	.60	.60	.70
(16)	3.80	5.00	2.50
(17)	4.10	5.50	3.00
(18)	7.10	7.10	5.30
(19)	10.00	9.00	7.25
(20)	2.15	1.90	1.90
(21)	2.45	2.25	2.25
(22)	4.15	3.50	2.50
(23)	5.20	4.50	4.00
(24)	4.70	4.00	3.60
(25)	5.00	5.00	6.00
(26)	1.50	1.00	1.00
(27)	11.25	5.00	15.00
(28)	100.00	80.00	100.00
(29)	11.25	10.00	6.00
(30)	78.50	75.00	66.00
(31)	22.50	50.00	25.00
(32)	33.50	50.00	25.00
(33)	22.50	25.00	30.00
(34)	73.00	100.00	90.00
(35)	25.00	20.00	12.00
(36)	40.00	30.00	25.00
(37)	11.25	10.00	5.00
(38)	5.75	10.00	3.00

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BIDS OPENED.

SAN DIEGO COUNTY, Cal.—Walter Trepte, 211 Scripps Bldg., San Diego, at 44,586 submitted low bid to State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone surfacing, about 2.7 miles between San Diego and Point Loma, in San Diego County.

Complete bids follow:
(A) Walter Trepte, San Diego, $44,586.00.
(B) Daley Corp., San Diego, $65,645.90
(C) Griffith Co., Los Angeles, $68,200.

Unit quantities follow:
(1) 143 sta. clear and grub right of way;
(2) 47,500 cu. yds. rdwy. excav., unclassified;
(3) 136,000 sta. yds. overhaul;
(4) 620 cu. yds. struc. excav.;
(5) 2,260 M. gals. water;
(6) 8,150 tons crushed gravel or stone bit. treated surfacing;
(7) 370 tons cutback asphalt;
(8) 90 lin. ft. 8-in. CMP;
(9) 520 lin. ft. 24-in. CMP;
(10) 5 each spillway assemblies;
(11) 10 cu. yds. Class A Port. cement concrete structures;
(12) 350 lbs. bar reinf. steel struc.;
(13) 700 lin. ft. laminated timber guard rail;
(14) 80 each timber guide posts;
(15) 15 each timber culvert markers;
(16) 2 each fence gates;
(17) 50 cu. yds. existing concrete and rubble masonry structures, to be removed and disposed of;
(18) 950 bbls. heavy fuel oil;
(19) 143 sta. prepare, mix and shape shoulders;
(20) 143 sta. finish roadway;
(21) 75 each monuments complete in place.

Unit prices were:

	(A)	(B)	(C)
(1)	$ 7.00	$ 3.80	$10.00
(2)	.20	.45	.48
(3)	.01	.02	.01
(4)	1.50	1.60	.80
(5)	1.00	.75	.90
(6)	2.00	2.99	3.10
(7)	20.00	20.25	20.00
(8)	1.50	1.35	.90
(9)	3.00	3.00	1.40
(10)	15.00	12.00	20.00
(11)	20.00	20.00	30.00
(12)	.10	.10	.07
(13)	1.00	1.00	1.60
(14)	1.00	2.10	1.25
(15)	1.00	2.50	1.80
(16)	12.00	20.00	15.00
(17)	2.00	2.50	3.00
(18)	2.00	1.85	1.75
(19)	4.00	5.00	9.00
(20)	1.50	5.00	10.00
(21)	3.00	3.00	5.00

SOLANO COUNTY—Grading and Abutments — (State)

SOLANO COUNTY, Cal. — F. O. Bohnett, Campbell, at $34,904 submitted low bid to the State Highway Commission, Sacramento, for grading about 0.63 miles between 1.3 miles south of Cordelia and 0.7 miles south of Cordelia, and construction of two concrete abutments for an undergrade crossing in Solano County, involving:
(1) 7 each remove and dispose of trees;
(2) 22,500 cu. yds. rdwy. excav. unclass;
(3) 248,000 sta. yds. overhaul;
(4) 3100 cu. yds. struc. excav.;
(5) 1137 cu. yds. Class A Port. cem. conc. structures;
(6) 15 cu. yds. Class A Port. cem. conc. soffit slab;
(7) 78,300 lbs. bar reinf. steel;
(8) 252 lin. ft. 18-in. CMP;
(9) 178 lin. ft. 24-in. CMP;
(10) 116 lin. ft. 48-in. CMP;
(11) 600 M. gals. water;
(12) 44 cu. yds. conc. removed and disposed of;
(13) 1.12 mi. new property fence;
(14) 6 each fence gates;
(15) 34 sta. finish roadway;
(16) 21 each monuments complete in place;
(17) 1 lot miscellaneous items of work.

Complete bids follow:
(A) F. O. Bohnett, Campbell, $34,904
(B) J. R. Reeves and Lord & Bishop, Sacramento, $38,581.10.
(C) M. A. Jenkins and C. A. Baker, Sacramento, $40,560.40.
(D) Granfield-Farrar & Carlin, San Francisco, and Sam Sciarrino, San Jose, $43,449.90.
(E) A. H. Vogt Co., Inc., San Francisco, $47,355.75.
(F) Willard & Biasotti, Stockton, $49,230.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1	$ 20.00	$ 10.00	$ 10.00	$ 5.00	$ 3.00	$ 7.00
(2)	.20	.35	.40	.40	.45	.45
(3)	.01	.005	.01	.005	.01	.01
(4)	1.00	.75	1.00	1.15	2.00	1.50
(5)	14.50	16.50	15.60	18.50	18.00	19.50
(6)	25.00	35.00	25.00	25.00	25.00	35.00
(7)	.045	.045	.044	.05	.045	.05
(8)	2.00	1.60	1.60	1.50	1.60	2.00
(9)	2.50	2.50	2.25	2.30	2.50	4.00
(10)	7.00	7.55	7.00	7.50	8.00	12.00
(11)	.65	1.50	1.50	.80	.75	1.50
(12)	2.50	2.50	3.00	2.00	3.00	2.00
(13)	750.00	930.00	840.00	650.00	600.00	800.00
(14)	20.00	18.00	15.00	15.00	15.00	15.00
(15)	10.00	5.00	8.00	5.00	10.00	5.00
(16)	3.00	2.50	2.50	3.00	5.00	3.00
(17)	675.00	200.00	350.00	1000.00	600.00	500.00

GILA COUNTY—HIGHWAY CONST. (GOVT.)

GILA CO., Arizona—Porter, Shelly, & Shelly, Heber, Ariz., at $2,050.03 submitted low bid to U. S. Bureau of Public Roads, Phoenix, for highway construction on Route 12, Globe-Holbrook National Forest Highway, Section 1, Unit 2, Tonto National Forest in Gila County. Complete bids follow:

(A) Porter, Shelly & Shelly, Heber, $2,050.03.
(B) Leo Frost, Joseph City, Arizona, $2,107.75.
(C) R. S. Black, Clifton, Ariz., $2,128.43.
(D) J. W. Tretheway, Miami, Ariz., $2,413.60*.
(E) Paul Michaelson, Glove, Arizona, $2,472.86.
(F) Engineer's estimate, $1,782.85.

Unit quantities were:
(1) 2,639 cu. yds. unclass. excav.;
(2) 10 cu. yds. do for struc.;
(3) 0.162 mile finish earth graded rd.
(4) 50 lin. ft. 36-in. CMP in place;
(5) 4 each right of way monuments in place.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .67	$ .65	$ .67	$ .80	$ .74	$ .55
(2)	2.00	1.50	2.00	.80	2.00	1.00
(3)	200.00	200.00	150.00	200.00	617.29	200.00
(4)	3.95	6.50	6.00	5.00	6.00	5.50
(5)	8.00	5.00	4.00	3.00	25.00	3.50

*Bid contingent upon acceptance of Unit 3 of Project 12-1.

COMPLETE BID LISTING.

BONNEVILLE, Ore.—Johnson Bros. Inc., Lloyd Bldg., Seattle, at $878,905 submitted low bid (as previously reported) to the U. S. Engineer Office, Portland, under Bid No. 34-349, for the construction of the initial portion of the slide dam at Bonneville dam site.

Complete bids follow:

(A) Johnson Bros., Seattle, $878,305.
(B) Guy F. Atkinson Co., San Francisco, $1,247,713.
(C) General Const. Co., Seattle, $1,417,650.
(D) Engineer's estimate, $1,047,662.

Quantities follow:

(1) 3,000 lin. ft. 3-in. grout pipe;
(2) 3,000 lin. ft. drill grout holes;
(3) 200 bbls. cement grouting;
(4) 30 bbls. cement grouting joints;
(5) 9,700 cu. yds. Class A concrete;
(6) 53,000 cu. yds. Class B concrete;
(7) 4,600,000 lbs. reinf. steel;
(8) 30,000 lbs. struc. steel;
(9) 450 lin. ft. electric conduits;
(10) 3,440 lin. ft. copper water stops;
(11) 6,000 lin. ft. caulking joints;
(12) 440 grout box units;
(13) 150 MFBM stop logs;
(14) 133,000 cu. yds. backfill at butt-resses;
(15) 1,680 sq. ft. expansion joint filler;
(16) 5 acres clear and grub;
(17) 41 stations rdwy. grading;
(18) 41 sta. 2-course macadam surf.;
(19) 120 lin. ft. 12-in. culvert pipe.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$ .60	$ .50	$ 1.00	$ .35
(2)	1.25	3.00	5.00	2.00
(3)	10.00	10.00	10.00	6.00
(4)	20.00	15.00	50.00	20.00
(5)	10.51	17.65	25.00	14.00
(6)	10.22	15.70	16.00	12.00
(7)	.04095	.04	.045	.045
(8)	.04	.07	.15	.10
(9)	.50	.50	1.00	.60
(10)	.75	.65	2.00	.90
(11)	.20	.25	.50	.40
(12)	3.00	3.50	6.00	2.00
(13)	35.00	40.00	60.00	60.00
(14)	.35	.45	.80	.50
(15)	.50	.40	.50	.30
(16)	500.00	250.00	200.00	150.00
(17)	100.00	50.00	75.00	100.00
(18)	100.00	150.00	125.00	150.00
(19)	2.00	2.00	2.00	1.35

All bids held under advisement.

BIDS OPENED.

RIVERSIDE COUNTY, Calif.—Oswald Bros., 366 E 58th St., Los Angeles, at $89,476.90 submitted low bid to State Highway Commission, Sacramento, for grading and surfacing about 2 miles with oil treated crushed gravel or stone plant mix between Cabazon and Whitewater, in Riverside County.

Complete bids follow:

(A) Oswald Bros., Los Angeles, $89,476.90.
(B) Matich Bros., Elsinore, $90,061.08.
(C) C. O. Sparks, Los Angeles, $90,068.95.
(D) United Concrete Pipe Corp., Los Angeles, $95,691.50.
(E) Walter Trepte, San Diego, $104,007.50.

Unit quantities were:

(1) 23,800 cu. yds. rdwy. excav. unclass.;
(2) 2,263,000 sta. yds. overhaul;
(3) 5000 cu. yds. struc. excav.;
(4) 14,700 tons cru. gravel or stone surface;
(5) 3680 bbls. fuel oil surface;
(6) 585 bbls. fuel oil detour;
(7) 51 tons asphaltic road oil;
(8) 405 cu. yds. screenings;
(9) 212 cu. yds. Class A Port. cement concrete structures;
(10) 26,500 lbs. bar reinf. steel strucs.
(11) 11,500 sq. yds asphaltic paint binder;
(12) 186 lin. ft. solid timber guard rail
(13) 181 cu. yds. remove and dispose of concrete pavement;
(14) 560 lin. ft. 24-in. CMP;
(15) 1428 lin. ft. 36-in. CMP;
(16) 198 lin. ft. 48-in. CMP;
(17) 178 each driving piles;
(18) 5260 lin. ft. furnish piles;
(19) 81 M F B M redwood timber, dense select allheart struc. gr.;
(20) 82 M.F.B.M. redwood timber sel. allheart struc. grade;
(21) 18,900 lbs. struc. metal;
(22) 108 sta. finish roadway;
(23) 42 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .50	$ .23	$ .40	$ .51	$ .29
(2)	.001	.0075	.004	.001	.006
(3)	.62	.60	.50	.70	1.00
(4)	1.85	2.15	1.85	2.10	1.97
(5)	1.60	1.50	1.50	1.40	1.85
(6)	2.75	2.75	2.75	2.30	2.50
(7)	25.00	22.00	22.00	24.00	28.00
(8)	2.35	3.00	2.50	2.00	3.00
(9)	18.50	17.00	18.00	18.00	18.00
(10)	.045	.0475	.045	0.6	.05
(11)	.02	.03	.03	.02	.05
(12)	1.70	1.50	2.00	2.00	2.00
(13)	1.20	3.00	2.00	3.00	3.00
(14)	2.45	2.58	2.50	3.25	3.00
(15)	4.80	4.58	3.70	5.50	5.00
(16)	8.00	7.58	7.50	8.00	8.00
(17)	11.00	10.00	10.00	15.00	18.00
(18)	.55	.51	.53	.50	.60
(19)	80.00	80.00	77.00	80.00	85.00
(20)	75.00	73.00	68.00	80.00	80.00
(21)	.07	.08	.07	.08	.07
(22)	2.50	5.00	2.00	5.00	2.00
(23)	2.75	2.00	2.00	2.00	3.00

BIDS OPENED

YERBA BUENA ISLAND, Cal.—The following bods received by Superintendent of Lighthouses, H. W. Rhodes, Room 424 Custom House, San Francisco, under Proposal No. N-62, for 90 ft. by 60 ft. extension to wharf at the Yerba Buena Island Lighthouse Depot, San Francisco Bay. The work includes timber piling and laying of railroad track. Alternate bids for the construction are as follows:

(1) Wharf and 180 ft. of railroad track
(2) Wharf and 90 ft. of railroad track
(3) Wharf omitting railroad track.

(A) C. A. Lauritzen, 300 E St., Antioch.
(B) Duncanson - Harrelson Co., San Francisco.
(C) Healy-Tibbitts Constr. Co., S. F.
(D) Ben C. Gerwick, San Francisco.
(E) M. B. McGowan, San Francisco.
(F) Clinton-Stephenson Constr. Co., San Francisco.
(G) A. W. Kitchen, San Francisco.
(H) Schuler-McDonald, Oakland.

	(1)	(2)	(3)
A)	$11,508	$10,758	$10,058
B)	12,512	11,197	10,020
C)	13,224	11,867	10,859
D)	13,400	12,040	11,386
E)	13,946	12,239	11,296
F)	15,187	13,477	12,047
G)	16,456	14,827	13,712
H)	16,997	15,887	15,077

Bids held under advisement.

AMADOR COUNTY — Grade and Surf. 3.4 Mi. — (State)

AMADOR COUNTY, Calif. — Hemstreet & Bell, P. O. Box 215, Marysville, at $57,413.10 submitted low bid to State Highway Commission, Sacramento, for grading and surfacing about 3.4 miles with crushed gravel or stone, between four miles west of Pine Grove and ½ mile west of Pine Grove, in Amador County,

Complete bids follow:

(A) Hemstreet & Bell, Marysville, $57,413.10.
(B) Larsen Bros., Sacramento, $57,993.20.
(C) Granite Constr. Co., Ltd., Watsonville, $62,154.50.
(D) J. A. Casson, Hayward, $64,088.40
(E) Coats Constr. Co., Sacramento, $67,866.55.
(F) Contoules Constr. Co., San Francisco, $69,734.50.
(G) Willard & Biasotti, Stockton, $69,839.90.
(H) Kennedy Constr. Co., Oakland, $78,234.65.

Unit items follow:

(1) 15 acres clearing and grubbing right-of-way;
(2) 74,500 cu. yds. rdwy. excav. unclass.;
(3) 143,000 sta. yds. overhaul;
(4) 2000 cu. yds. struc. excav.;
(5) 6500 cu. yds. untreat. crushed gravel or stone surfacing;
(6) 350 bbls. light fuel oil;
(7) 120 bbls. heavy fuel oil;
(8) 1700 M. gals. water;
(9) 75 cu. yds. Class A Port. cem. conc. structures;
(10) 3600 lbs. bar reinf. steel strucs.;
(11) 272 lin. ft. 8-in. CMP;
(12) 1248 lin. ft. 18-in. CMP;
(13) 350 lin. ft. 24-in. CMP;
(14) 64 lin. ft. 30-in. CMP;
(15) 52 lin. ft. 36-in. CMP;
(16) 86 lin. ft. 48-in. CMP;
(17) 100 lin. ft. 72-in CMP;
(18) 46 lin. ft. 96-in. CMP;
(19) 100 lin. ft. corrugated metal pipe clean and relay;
(20) 173 lin. ft. salvaging exist. culverts;
(21) 1105 cu. yds. salvaged surfacing;
(22) 5 miles new property fence;
(23) 25 each fence gates;
(24) 181 sta. finish roadway;
(25) 88 each monuments complete in place.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$150.00	$150.00	$200.00	$200.00	$125.00	$150.00	$250.00	$175.00
(2)	.36	.34	.385	.35	.45	.42	.44	.55
(3)	.01	.01	.01	.02	.01	.01	0.1	.01
(4)	1.00	1.00	1.20	1.00	1.25	1.00	1.50	1.50
(5)	1.25	1.60	1.57	1.60	1.75	2.00	1.70	2.00
(6)	2.00	3.00	2.00	2.50	2.75	2.00	2.20	2.75
(7)	2.25	3.50	2.35	3.00	2.85	4.00	2.50	2.75
(8)	1.00	1.00	1.35	2.00	1.50	1.50	1.50	1.00
(9)	25.00	25.00	23.00	25.00	24.00	25.00	25.00	25.00
(10)	.06	.06	.06	10.00	.06	.07	.07	.06
(11)	1.00	1.00	.80	1.50	1.00	1.00	1.00	1.10
(12)	1.55	1.65	1.50	2.30	1.70	2.00	1.80	1.80
(13)	2.60	2.50	2.40	3.50	2.50	3.00	2.50	2.70
(14)	3.30	3.00	3.00	4.00	3.30	4.00	3.50	3.85
(15)	5.50	5.00	5.00	6.00	4.75	4.50	6.00	6.25
(16)	9.00	8.00	8.00	9.00	8.00	9.00	10.00	8.65
(17)	17.50	15.00	15.00	15.00	14.50	16.00	18.00	16.75
(18)	24.00	22.00	22.00	23.00	22.00	23.00	25.00	23.50
(19)	.50	1.00	.50	1.00	.80	.50	.50	1.00
(20)	.50	.50	.30	1.00	.50	1.00	.50	.50
(21)	1.00	.50	.70	.60	.75	1.50	.60	.75
(22)	400.00	400.00	380.00	400.00	375.00	450.00	400.00	400.00
(23)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
(24)	5.00	6.00	7.00	5.00	5.00	8.00	5.00	5.00
(25)	3.00	3.00	2.50	3.00	3.00	3.00	3.00	3.00

BIDS OPENED

SACRAMENTO, Cal. — —Crowley Launch & Tugboat Co., Pier 14, San Francisco, submitted low bid at $618 to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208 Post Office Bldg., Sacramento, under Spec. 6029, for cleaning, scaling and painting the U. S. Oil Barge "E". Complete bids follow:

(A) Crowley Launch & Tugboat Co., San Francisco, $618.

(B) General Engineering & Dry Dock Co., Oakland, $658.

Unit bids follow:

	Cleaning	Scaling	Painting
(A)	$100	$378	$140
(B)	133	400	155

BIDS OPENED

FOLSOM, Sacramento Co., Cal.—Palm Iron Works, 15th and S Sts., Sacramento, at $1298 submitted low bid to State Purchasing Department, Sacramento, for miscellaneous iron for the Folsom State Prison. Following bids received:

Palm Iron Works, Sacramento	$1298
Folsom St., Iron Works, S. F.	1353
Judson-Pacific Co., S. F.	1448
Golden Gate Iron Works, S. F.	1640
Patterson & Koster Co., S. F.	1697
Michel & Pfeffer Iron Works, San Francisco	1870
Anchor Post Fence Co., S. F.	2194
Monarch Iron Works, S. F.	4100

Bids held under advisement.

BIDS OPENED

ANAHEIM, Cal.—Five identical bids were submitted to the Anaheim city council for vitrified sewer pipe and fittings for extensions to the sewer system to be built under the CWA appropriations. The bidders were:

Pacific Clay Products Co., Patten-Blnn Lumber Co., Gladding-McBean & Co., Los Angeles Brick Co., and Orange County Materials Co.

Unit prices follow:

(1)	6-in. pipe	$ .21 ft.
(2)	6-in. fittings	.84 ft.
(3)	8-in. pipe	.27 ft.
(4)	8-in. fittings	1.215 ft.
(5)	10-in. pipe	.378 ft.
(6)	10-in. fittings	1.70 ft.

Long Beach Iron Works was awarded a contract for manhole castings at $12.00 each.

Ganahl-Grim Lumber Co., Anaheim awarded contract for brick at $11 per 32

BIDS OPENED.

LOS ANGELES, Cal.—Martter and Bock, 1007 S Harvard Blvd., at $24,-464.51 submitted low bid to the Los Angeles Board of Public Works Jan. 10 for grading and paving Figueroa St. between Avenue 50 and Woodside Drive, under cash contract. Complete bids follow:

Martter & Bock	$24,464.51
Southern Calif. Roads Co.	24,523.25
John Papac	24,832.78
Griffith Co.	24,869.27
Good, Shroeder, O'Neil	25,272.06
C. O. Sparks	26,027.68
Geo. R. Curtis	26,204.34
P. J. Akmadzich	28,301.92
Koopman Wright Co.	29,902.73
Engineer's estimate	26,818.16

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BIDS WANTED.

LOS GATOS, Santa Clara Co., Cal. —Until January 24, 8 P. M., bids will be received by the Board of Trustees, Los Gatos High School, High School Building, for an underground sprinkler system for the athletic field at the Los Gatos high school, including:

(1) 1-in. galv. pipe (without option outlets) 480-ft.; (optional outlets included) 525-ft.

(2) 1½-in. do. 180-ft.; 230-ft.

(3) 2-in. do, 525-ft.; 575-ft.

(4) 2½-in. do. 160-ft.; 230-ft.

(5) 3- or 4-in. do, 230-ft.; 230-ft.

Estimated cost, $700.

CONTRACT AWARDED.

LOS ANGELES, Cal.—J. L. Kruly, 1759 N Eastern Ave., at $9999.28 was awarded contract by the Los Angeles Board of Public Works for constructing sanitary sewers in Sepulveda Blvd. between Ohio Ave. and 100 ft. south of Waterford St., under 1911 act.

SAN MATEO COUNTY — GRADE AND PAVE 2 Mi. — (STATE)

SAN MATEO COUNTY, Calif.—D. McDonald, 204 23rd St., Sacramento, Jones & King, Jackson St., Hayward, and F. O. Bohnett, Campbell, at $178-546.50 submitted low bid to the State Highway Commission at Sacramento for grading and paving about 2 miles with asphalt concrete between Edgemar Road and State Highway Route 2, in San Mateo County.

Complete bids follow:

(A) D. McDonald, Jones & King and F. O. Bohnett, $178,546.50.

(B) Peninsula Paving Co., San Francisco, $190,709.80.

(C) Hanrahan Co., San Francisco, and Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $197,843.00.

(D) Union Paving Co., San Francisco $197,926.00.

(E) Fay Imp. Co., San Francisco, $210,782.93.

(F) Eaton & Smith, San Francisco, $219,997.50.

(G) Basich Bros., Torrance, $220,-178.00.

(H) S. H. Palmer, San Francisco, $241,164.20.

(I) Chas. L. Harney, San Francisco, $244,527.50.

Unit items follow:

(1) 275,000 cu. yds. rdwy. excav. unclass;

(2) 2,060,000 sta. yds. overhaul;

(3) 13,000 cu. yds. channel excav.;

(4) 10,300 cu. yds. struc. excav.;

(5) 20,500 tons cru. run base;

(6) 16,000 tons asph. concrete;

(7) 1250 tons screenings;

(8) 85 tons emuls. asphaltic road oil;

(9) 160 cu. yds. Class A Port. cem. conc. pave.;

(10) 1400 cu yds. Class A Port. cem. conc. structures;

(11) 100,900 lbs. bar reinf. steel pave. and strucs.;

(12) 1170 lin. ft. 8-in. CMP;

(13) 926 lin. ft. 24-in. CMP;

(14) 130 lin. ft. 36-in. CMP;

(15) 132 lin. ft. 24-in. base part circle CMP;

(16) 25 each spillway assemblies;

(17) 250 lin. ft. 4-in. tile drain;

(18) 450 lin. ft. 6-in. tile drain;

(19) 300 lin. ft. 12-in. vitrified clay pipe;

(20) 4.0 mi. barbed wire fence;

(21) 0.5 mi. timber fence;

(22) 2 each timber gates;

(23) 7700 lin. ft. solid timber guard rail;

(24) 275 each guideposts;

(25) 37 cu. yds. rubble masonry wall;

(26) 15 cu. yds. exist. rubble masonry wall removed and reset;

(27) 8 each cast steel frames and covers for drop inlets;

(28) 6 miles traffic stripe;

(29) 104 sta. finish roadway;

(30) 60 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .13	$ .15	$ .17	$ .18	$ .1975	$ .22	$ .23	$ .25	$ .23
(2)	.005	.006	.003	.003	.004	.004	.005	.005	.0075
(3)	.50	.27	.29	.20	.45	.40	.30	.50	.20
(4)	.60	.65	.75	.60	.72	.90	.45	1.00	.75
(5)	1.25	1.15	1.16	1.00	1.32	1.20	1.25	1.25	1.50
(6)	3.05	3.40	3.75	4.00	3.40	3.75	3.80	4.30	4.10
(7)	2.00	2.50	2.40	1.75	3.55	4.00	2.00	2.00	2.50
(8)	20.00	20.00	20.00	20.00	21.62	20.00	20.00	21.00	20.00
(9)	10.00	10.00	12.00	10.00	10.74	9.00	12.00	14.00	10.00
(10)	12.50	15.00	16.00	18.00	17.00	14.00	17.00	16.00	20.00
(11)	.06	.055	.05	.04	.045	.055	.05	0.4	.05
(12)	1.00	.75	.80	.75	.95	1.00	1.25	1.22	1.00
(13)	2.50	2.10	2.50	2.00	2.44	2.50	3.00	2.79	2.50
(14)	4.50	4.00	4.80	4.25	4.63	4.00	5.00	5.36	5.00
(15)	2.50	1.60	2.00	2.00	1.92	1.50	2.50	1.90	2.50
(16)	10.00	11.00	15.00	10.00	13.00	10.00	15.00	28.30	15.00
(17)	.50	.75	.40	.50	.35	.80	.20	.40	1.00
(18)	.70	.90	.50	.60	.42	10.00	.25	.50	1.00
(19)	1.00	.80	.80	1.00	.96	1.25	1.50	1.00	2.00
(20)	400.00	400.00	350.00	300.00	790.00	350.00	400.00	430.00	500.00
(21)	2000.00	2800.00	2500.00	800.00	2100.00	4000.00	1000.00	2376.00	500.00
(22)	20.00	20.00	15.00	15.00	7 .50	25.60	20.00	12.00	15.00
(23)	.75	.75	.70	.80	.69	1.00	.80	.75	1.15
(24)	1.50	2.50	1.80	2.50	2.65	2.00	2.00	2.08	2.50
(25)	10.00	10 00	12.00	10.00	12.40	10.00	5.00	15.00	10.00
(26)	10.00	8.00	11.00	8.00	11.00	10.00	4.00	14.00	6.00
(27)	20.00	30.00	25.00	25.00	26.00	25.00	20.00	30.00	25.00
(28)	35.00	50.00	75.00	50.00	60.00	50.00	100.00	.015	60.00
(29)	7.50	5.50	5.00	1.00	4.00	5.00	5.00	7.00	5.00
(30)	2.50	3.00	2.50	3.00	3.00	3.00	2.00	2.50	3.00

Section 435½, P. L. & R.
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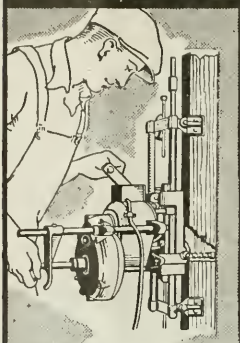

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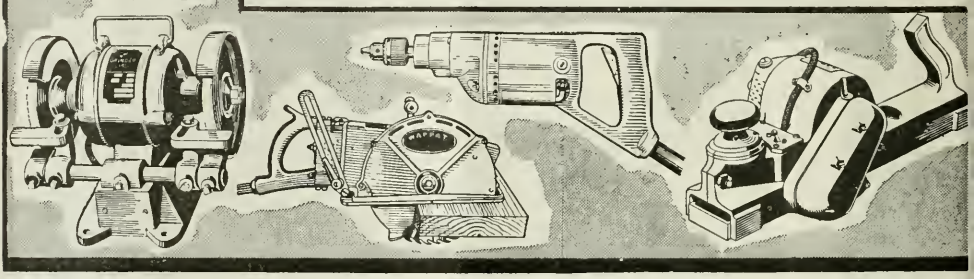

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General Contractors To Demand Uniform Public Works Wage Rate

Variations in construction wage and labor policies promulgated by various governmental agencies are to come under the attack of the Associated General Contractors of America at its fifteenth annual convention, to be held in Washington, D. C., January 29, 30 and 31, when an effort will be made to secure uniform wage and labor stipulations on all public construction work.

For the first time in many years the labor turnover on construction work has mounted to alarming proportions and contractors are now facing the wildest wage scale chaos imaginable, according to A. C. Tozzer, of New York, president of the contractors' association, who declares that four or more totally different and unrelated sets of wage rates have been promulgated by different public agencies for identical types of work in identical communities.

"The result of these varying rate structures promulgated by government decree is a complete tangle in which workmen on the same kind of work in the same locality are required to be paid 30 cents an hour on work by one authority, 40 cents an hour on work under another authority, 45 cents an hour on work by a third authority aud 65 cents an hour on work under a fourth authority," Tozzer states. "Contractors are having a difficult time trying to estimate labor costs on new work," he says, "trying to keep men on work for which the lower wages have been decreed and contracts signed under such rates; and trying to explain to enraged workmen why all the differences exist."

One set of rates exists as a hangover from the old prevailing wage law and interpretations of it by the Secretary of Labor, he states, while an entirely different set of rates and hours has been promulgated in each State governing highway work under the 30-hour week provisions of the PWA allotments through the Bureau of Public Roads. Rates on such work range from 30 cents per hour minimum in some states to 50 cents in others, while semi-skilled rates vary all the way from 40 cents to $1.25 an hour.

Tozzer points out that a third set of wage rates for unskilled and skilled labor, coupled with 30-hour provisions, was promulgated to govern PWA allotments for federal and local public works according to a zone system, but no provision was made for semi-skilled labor. In consequence, he states, the various state engineers of the Public Works Administration are announcing detailed rates for all classes of labor, listing semi-skilled occupations at from 65 cents or less per hour up to $1 an hour by arbitrary classification of all occupations.

A fourth classification has been made by CWA authorities coupled with the 30-hour week provisions but varied from locality to locality in accordance with instructions to pay the union rates in all localities where these are higher than the basic PWA scales for the zone which applies, Tozzer continued. Further complication is introduced, he states, by the fact that in different localities the CWA is setting different rates for various semi-skilled occupations.

PRICE INDEX AT NEW HIGH

The index price of building materials was at 85.5 a new high on January 6, gaining a tenth of a point from the mark a week previous, according to the report of the Bureau of Labor Statistics. Metals and metal products were steady at 83.3. The index is based on a comparison with 1926 prices as a base of 100.

The only change reported by San Francisco dealers in the past week was a reduction in prices of linseed oil and an increase in prices of turpentine. Linseed oil dropped four cents a gallon. Turpentine was advanced five cents.

$10,000,000 FOR STATE BUILDING TO BE REQUESTED

Vandegrift Recommends Resumption of 10-year Program in 1935

An $8,000,000 to $10,000,000 public building program for 1935-937 was held necessary yesterday by Finance Director Rolland Vandegrift to accommodate prison, mental hospital, school and public office expansion.

Vandegrift has begun preparation of the detailed construction plan to be presented to the legislature next January.

California's 10-year state building program was abandoned by the 1933 legislature because of depression-curtailed funds. It should be resumed on a pay-as-you-go basis next year, Vandegrift maintained.

"It will be good economy to resume the building program," the director said, "before construction requirements exceed possible payment from current revenues and bond issues are needed.

"A state public building program starting in 1935 would help take up any job slack which might result from tapering down the federal reemployment program."

For first consideration in his proposed construction plan, Vandegrift listed, with estimates of cost:

Prison for first offenders in Southern California, $1,500,000. Two new cell blocks at Folsom prison, $500,000.

New 3,000-patient mental hospital in central or far Southern California. Camarillo hospital in Ventura county, now being constructed on an 1100-patient basis represents a $1,700,000 state investment.

State fair construction: Mining building, to house permanent exhibit, $300,000; administration building, $200,000; education building, $170,000; future farmers building, $225,000; 4H club building, $17,000. Application for $430,000 to construct a new horse show arena is before the federal PWA.

San Francisco Teachers' College $1,585,000. Santa Barbara Teachers' College, $1,162,000.

A new governor's mansion, a central garage for state automobiles in Sacramento and additional office space in Sacramento, San Francisco and Los Angeles should be considered, Vandegrift said.

INCREASED WAGE SCALES FOR S. F. CRAFTS ADVISED

Supervisors To Receive Civil Service Report Recommending Raises

Higher wage scales for eight crafts are recommended for the San Francisco prevailing wage ordinance in a report prepared for the Boad of Supervisors by the Civil Service Commission.

The commission states that the increases are required by codes of fair competition for the respective industries affected.

The largest raise was suggested for electrical workers whose pay under the new schedules would be increased 25c an hour or from $8 to $10 a day. Bricklayers were recommended for a 12½c an hour raise but placed on a six-hour day.

The hours of stone setters would also be reduced from eight to six, but their wages raised from $1.25 to $1.37½ an hour. The pay of housesmiths was upped $1 a day in the report, which suggested a $9 a day scale for this craft.

Wages for other crafts which the commission said should be raised to the standard set by California Recovery codes were: Plasterers, 25c an hour; metal and wood lathers, 25c an hour each, and hodcarriers, 25c an hour.

An increase of 4½c an hour and a six-hour day for laborers was also suggested.

The commission advised the supervisors that for the first time in recent civic history there had been no disagreement between organized labor and open-shop advocates over what should be the prevailing pay rates. The new scales, the commission indicated, were acceptable to both.

Not a single cut in the scales of the 100 types of crafts and trades reviewed by the commission was suggested.

The supervisors will formally receive the report Monday and are expected to approve it within a week.

MARIN ASSOCIATION ELECTS OFFICERS

William Wegner was elected president of the Marin County Contractors Association at a meeting in San Rafael on January 12. Other officers are Dave Little, vice-president; J. O. Dahl, secretary and treasurer; directors M. Burke, M. J. Lamperti, Ben Johnson and Sam Knoles.

VALE DAM LOW BID $496,286

VALE, Ore., Jan. 16.—Hinman Bros., Denver, Colo., at $496,286 submitted the low bid to the Bureau of Reclamation here today for construction of the Agency Valley Dam on the Vale reclamation project. The second low bid was that of Utah Const. Co., Ogden, at $529,551, and third low that of Max J. Kinney, Spokane, at $532,060.

Principal items in the contract include 626,900 cubic yards of excavation; 480,000 cubic yards earth fill embankment; 105,500 cubic yards riprap and rock fill; 385,000 pounds reinforcing bars in place; 302,370 pounds metal work installed.

Commission Opens Bids on Seven Highway Contracts

SACRAMENTO, Jan. 17.—Bids were opened today by the State Highway Commission on seven contracts for highway construction. Following are the low bidders

MONTEREY CO.: Construct four bridges on Carmel - San Simeon highway between 32 and 36 miles north of San Simeon, W. J. Tobin, Oakland, $66,171.

LOS ANGELES CO.: 8.6 miles grade and pave with asphalt concrete between Saugus and Williams Ranch, Griffith Co., Los Angeles, $73,917.

SANTA BARBARA CO.: 2.7 mi. grade and pave with asphalt concrete on a portland cement concrete base between Mission street and Hollister avenue in Santa Barbara, J. E. Haddock, Ltd., Pasadena, $198,462.

VENTURA CO.: Construct overhead crossing over the tracks of the Southern Pacific Company near Ventura, Lindgren and Swinerton, San Francisco, $83,975.

LOS ANGELES CO.: Construct extension to existing reinforced concrete bridge, Jos. R. Lippincott Los Angeles, $16,886.

SANTA CLARA CO.: 1 mile at Gilroy to be paved with asphalt concrete, Union Paving Co, San Francisco, $28,740.

LOS ANGELES CO.: Construct reinforced concrete girder bridge on State street across Ramona boulevard in the city of Los Angeles, Byerts & Dunn, Los Angeles, $26,313.

SEVEN MILLION BARRELS CEMENT 1933 PRODUCTION

Structural Materials Valued at 10 Pct. of State's Mineral Output

Production of structural materials in the state of California showed an increase during 1933, according to the report of Walter W. Bradley, state mineralogist.

The increase is accounted for by the large public works construction program, the report states. Production of cement amounted to 7,042,000 barrels valued at $10,211,000.

Value of other materials is estimated at $8,500,000 for crushed rock, sand and gravel; $1,800,000 for brick and hollow building tile; $967,000 for other structural materials, including bituminous rock, granite, magnesite, marble, etc.

The total value of structural materials produced is placed at $21,478,000, or slightly more than 10 per cent of the estimated value of all mineral production which is estimated at $205,525,000 for the year.

The year's increase is approximately $6,239,000 over the value of 1932 production.

Morrison-Knudsen Low Bidders on Owyhee Crossing

SPECIAL TO DAILY PACIFIC BUILDER

ONTARIO, Ore., Jan. 18.—Morrison-Knudsen Company submitted the low bid on each schedule of the three proposals for constructing the Owyhee and Snively siphons and concrete bench flume for the Owyhee project on which bids were opened today by the Bureau of Reclamation.

The three low bids on each schedule follow:

Schedule I	
Morrison - Knudsen Co., Boise, Idaho	$112,862.50
Utah Const. Co., Ogden	130,135.00
C. F. Dinsmore & Co. & Olson Mfg. Co.	137,720.00
Schedule II	
Morrison - Knudsen Co., Boise, Idaho	$116,325.00
C. F. Dinsmore & Co. & Olson Mfg. Co.	124,673.00
Utah Const. Co., Ogden	128,119.00
Schedule III	
Morrison - Knudsen Co., Boise, Idaho	$ 49,656.00
C. F. Dinsmore & Co. & Olson Mfg. Co.	51,796.00
General Const. Co., Seattle	64,450.50

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Injunction Stops San Mateo Award To Test Validity of California Code

A suit to test the validity of California Recovery Act codes of fair competition filed in San Francisco was followed yesterday by a temporary injunction restraining Director of Public Works Earl Lee Kelly from certifying an award on the Junipero Boulevard extension in San Mateo county for which bids were received January 10.

Award of a contract to the low bidders, D. McDonald, Sacramento, Jones & King, Hayward, and F. O Bohnett, Campbell, was to have been made yesterday. Their bid was $178,546 for grading and paving about two miles between Edgemar Road and State Highway Rt. 3

The contract involves about 300,000 yards of excavation and 2,000,000 yards overhaul.

Plaintiffs in the suit are the Building Material Drivers Union No. 215 and the Steam Shovel and Dredgermen's Union No. 45 of San Francisco.

The plaintiffs allege that bidding on the contract is invalid because of failure of the state to incorporate a minimum wage scale in its bid call equal to that specified by the CRA code of the Excavators and Dump Truck Contractors' Association.

E. G. Brown, San Francisco attorney for the plaintiffs, said the amount of the wage difference was less an issue than the effort to establish the code validity.

"Contractors are all affected by the state and national codes in many of their operations," Mr. Brown said. "In bidding they are risking prosecution for failure to comply with codes, although they may have complied fully with the provisions of their contract.

"It is highly important that a court decision be obtained to clarify the state code situation. We want to know whether these codes are operative and how far they may be used to regulate bidding."

Mr. Brown said the present suit might be lost because of technicalities without deciding the issue of code validity. In this case he declared the next move would be to ask for prosecution by the San Mateo county district attorney in a test case against the contractors if they were awarded the contract and commenced work.

Hearing of the suit is set for January 25 before Judge T. I. Fitzpatrick in San Francisco.

Director Kelly said the wage specifications for the contract were fixed in accordance with what the department considers the prevailing wage in the locality where the work is to be done. They are admittedly below those established in the Code of the Excavators and Dump Truck Contractors by agreement between employers and labor unions.

"There are two questions which we hope the court will settle," Mr. Kelly said.

"The first is whether the code wages or the prevailing wage scale provided for in the state law is paramount in preparing the specifications for highway projects.

"Secondly, we hope it will settle the perplexing question of whether we must call for bids on the basis of existing codes, or whether we can call for free bidding and award the contract to the lowest responsible bidder.

"It is our opinion we should award contracts to the lowest bidders, and we welcome a court action to test the matter."

BIDS ASKED ON SIX HIGHWAY CONTRACTS FEB. 7

Four Los Angeles County Jobs; One in Monterey and Kern

SACRAMENTO, Jan. 16.—Four of six jobs on which contracts were ordered advertised today by the State Highway Commission are in Los Angeles County. The other jobs are a timber bridge in Monterey county and grading of 6.1 miles in Kern county.

Bids will be opened at Sacramento February 7.

Following is a brieg description of each contract. **(Complete list of quantities in Advance Report Section):**

KERN COUNTY: 6.1 miles between Sivert and Haypress Canyon to be graded.

MONTEREY COUNTY: Timber bridge to be constructed across Dolan Creek, about 50 miles south of Monterey.

LOS ANGELES CO.: 0.8 mile in Los Angeles between Alameda St. and the easterly boundary of the city to be graded and paved with asphalt concrete.

LOS ANGELES CO.: 1 mile in Los Angeles between State Street and Mission Road to be graded and paved with portland cement concrete.

LOS ANGELES CO.: 15.4 miles between Williams Ranch and Summit to be graded and paved with asphalt concrete.

LOS ANGELES CO.: Construct two reinforced concrete girder bridges, one across Monterey Pass road and one across Coyote Pass road, about one mile south of the city of Alhambra.

December shipments of electric industrial trucks and tractors, as reported to the Bureau of the Census by ten leading manufacturers, totaled 67, as compared with 60 in November, 13 in December, 1932, and 22 in December, 1931.

BUREAU INVITES BIDS ON FIVE ROAD CONTRACTS

San Francisco District Engineer Authorizes Advertising of California Projects

Bid calls were issued yesterday by District Engineer C. H. Sweetser of the United States Bureau of Public Roads for five contracts on California national forest highways. Bids will be opened in San Francisco on January 30, February 1 and February 13.

Following is a brief description of each of the projects **(Complete list of items in Advance Report section today):**

TRINITY CO.: Grading Section E of Route 5, Douglas City-Peanut National Forest Highway, about 4.7 miles. Bids open January 30.

SHASTA CO.: Placing crushed rock subgrade reinforcement on 4.4 miles of Section A of Route 75, Manzanita Lake Natonal Forest Highway. Bids open February 1.

EL DORADO CO.: Grading Section G of Route 32, Placerville-Lake Tahoe National Forest Highway, about 2.1 miles. Bids open February 1.

SISKIYOU AND SHASTA COS.: Placing crushed gravel subgrade reinforcement on Section D and portion of Section E of Route 77, Mt. Shasta - Mt. Lassen National Forest Highway. Bids open Feb. 13.

SHASTA COUNTY: Grading Section F of Route 77, Mt. Shasta-Mt. Lassen National Forest Highway, about 13.1 miles. Bids open Feb. 13.

Plans and specifications are obtainable on deposit of $10 at the office of the Bureau of Public Roads, 807 Sheldon Building, 461 Market Street. **See Official Proposals in today's issue of DAILY PACIFIC BUILDER.**

SUBSISTENCE HOME PROGRAM DESCRIBED

The program of the Subsistence Homesteads Division of the U. S. Department of the Interior is described in an article in the December issue of the Monthly Labor Review, published by the Bureau of Labor Statistics. Accomplishments in the projects undertaken in West Virginia and Ohio are related. Copies of the article may be obtained free of charge from the bureau.

KNAPP MERGES WITH ATECO ORGANIZATION

J. F. Knapp has announced the consolidation of the Knapp Manufacturing Corporation with American Tractor Equipment Company. The combined companies are to be known as The American Tractor Equipment Company, located at 1401 Park Avenue, Oakland.

PWA EXECUTIVE TO BE SPEAKER AT CONVENTION

Roadbuilders Invite Oscar Chapman to Address Gathering in Chicago

Oscar L. Chapman, assistant secretary of interior and executive secretary of the Special Board for Public Works, has been selected as the principal speaker before the annual banquet of the American Road builders' Association convention which will be held in the Stevens Hotel, Chicago, during the week of January 22.

Mr. Chapman, who is the chief aide of Secretary Ickes in the multitude of problems connected with carrying out the Public Works program, is exceptionally well fitted to speak before the national assemblage of the highway industry. As the executive secretary to the Special Board for Public Works he is wholly conversant with the entire PWA program and knows of the large way in which highway construction and improvement projects have become the backbone of the federal government's program for unemployment relief and the coupling of industrial recovery with public investment for the future years. Prior to assuming his present position Mr. Chapman, who is a lawyer by profession and a resident of Denver, Colorado, has devoted his major interests to problems of human welfare and government and the practical application of social economics to governmental affairs.

Mr. Chapman has chosen the subject of "Public Works" for his address before the Convention of the A. R. B. A. It is expected that he will review the PWA program to date, outline proposals being considered for the future and tell how street and highway officials can fully coordinate their activities for the complete success of the entire public works program.

Another speaker of national prominence upon the convention program will be Thomas H. MacDonald, Chief of the Federal Bureau of Public Roads. Mr. MacDonald will address the opening general session on the national government's activities and plans for expanding the highway program under the title of "Summary of Federal Highway Progress."

Other speakers of national importance will include: W. G. Armstrong, President, National Rural Letter Carriers Assn., Niles, Mich., whose address will he "Roads Over Which the Mail is Carried"; E. B. Jeffress, Chairman, State Highway Commission, Raleigh, North Carolina, who will speak on the subject of "The Nation's Highway Needs of Tomorrow"; R. W. Crum, Director, Highway Research Board National Reserach Council, Washington, D. C., the title of his address being "The Highway Balance Sheet"; O. S. Warden, Chairman, Montana State Highway Commission, Helena, Mont., President, American Association of State Highway Officials, will offer as his address "The States and the Federal Government in Highway Development"; Donald C. Stone, Director of Research, International City Managers Assn., Chicago, on the subject of "Simplified Record Keeping for Public and Civil Works Projects"; Frank D. Chase, Director and Chief Engineer, Civil Works for Illinois, Chicago, on the Engineer, Civil Works Adminis- subject of "Administration of Civil Works Projects"; G. J. Kane, Chief tration of Ohio, Columbus, Ohio, on the subject of "The Selection and Supervision of Civil Works Projects in Ohio" and Preston G. Peterson, State Highway Commissioner, Salt Lake City, Utah, whose address will be "Plan of Action for the Continuance of an Adequate Highway Program."

ALLOT $1,225,000 TO S. F. MINT

Increase in the allotment to the proposed new San Francisco mint building to $1,225,000 was announced yesterday by the Public Works Administration, according to news dispatches from Washington. Previously an allocation of $780,000 had been authorized. It is expected that additional building funds may be provided by proceeds from sale of the present site.

No site for the new building has been selected to date and an architect has not been commissioned.

Capt. N. M. Smith Is New Chief of Yards and Docks

Captain Norman Murray Smith, Civil Engineer Corps, U. S. N., former public works officer at the Boston Navy Yard, has been named chief of the Bureau of Yards and Docks with the rank of Rear Admiral to succeed Rear Admiral Archibald L. Parsons, whose term of office expired on December 23. Rear Admiral Parsons has been chief of the bureau since December, 1929.

Rear Admiral Smith is a native of Williston, S. C., and a graduate of the Naval Academy in the class of 1906. He was appointed assistant civil engineer of the U. S. Navy, with the rank of lieutenant, junior grade, in April, 1907. During the World War he was in charge of construction of the naval training station at Great Lakes, Ill., and subsequently served as public works officer at the navy yard at Charleston, S. C., and at Norfork, Va. From 1926 to 1930 he served in the Bureau of Yards and Docks in Washington.

LOCAL PAYROLLS IN CONSTRUCTION AHEAD OF 1932

Bay Area Employment Shows Heavy Increase Over Corresponding Month

Payrolls and employment in the state construction industry in December were both ahead of those for the corresponding month of 1932, according to the monthly report of Labor Commissioner Frank C. MacDonald.

Weekly payrolls in the San Francisco-Alameda area were 23.3 per cent higher during the last month than in the corresponding month a year ago, according to reports from 54 contractors. The number of employes was higher by 14.8 percent. Average per capita weekly earnings were up 7.4 percent.

A decline in employment in December compared with November, however, was reported by the commissioner. In the San Francisco-Alameda district the number of employes was 20.3 percent less than in November and the amount of weekly payrolls was 28.3 per cent less.

The state as a whole showed one-tenth of one percent increase in number of employes between December 1932 and December 1933 and a gain in weekly payrolls of 1.7 percent.

Between November and December the number of employes engaged in construction in the state receded 12.5 percent and total weekly payrolls declined 14.8 per cent.

Manufacturing industries employment declined 4.5 percent and payrolls 2.7 percent in December compared with November, but average weekly earnings for the same period increased by 1.9 percent. The furniture and fixture industry was among those industries reporting increased employment. The gain was 10.2 percent in employment and 13.2 percent in payrolls.

In December 1933 as compared with December 1932 employment in manufacturing industries increased 23.6 percent and payrolls 22 percent.

Those reporting largest increases in this period included the stone, clay and glass products group and the metals, machinery and conveyances group.

WATER AUTHORITY TO MEET JANUARY 22

The first official meeting of the California Water Authority, the agency which will construct the $170,000,000 central valley water project, has been called for January 22 at Sacramento by Director of Public Works Earl Lee Kelly, chairman.

The authority is expected to approve the final application for funds to be filed with the Public Works Administration.

CALIFORNIA HIGHWAY AWARDS

Following is a tabulation to date of all contracts (exceeding $10,0 00) awarded by the California State Highway Commission since December 1, 1933:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
California Highway Commission	Grading 4.1 miles, Alameda Co...	American Dredg. Co., San Francisco	$869,063.00	Dec. 1
California Highway Commission	Six timber bridges, Kern Co...	Parish Bros., Hollywood	$ 26,344.00	Dec. 5
California Highway Commission	0.6 miles grading and surfacing, Santa Cruz County	Union Paving Co., San Francisco	$ 43,620.00	Dec. 5
California Highway Commission	3.5 miles grading and paving, Los Angeles County	I. L. McClain, Los Angeles	$216,962.00	Dec. 5
California Highway Commission	4.6 miles grading and surfacing, Lake County	Fredrickson and Watson, Oakland	$122,398.00	Dec. 5
California Highway Commission	Retaining Wall—Alameda Co....	Fredrickson & Watson Oakland	$274,687.00	Dec. 12
California Highway Commission	15.1 Miles Grade and Surface—San Bernardino County	Sharp & Fellows Cont. Co., Los Angeles	$146,975.00	Dec. 12
California Highway Commission	5.8 Miles Grade and Surface—Inyo County	Basich Bros., Torrance	$128,963.00	Dec. 12
California Highway Commission	Bridge—Orange County	Franklin B. Gridley, Pasadena	$ 41,832.00	Dec. 12
California Highway Commission	Bridge—Plumas County	E. T. Lesure, Oakland	$ 18,462.00	Dec. 12
California Highway Commission	3.1 Miles Grading—Monterey Co.	Force Const. Co. Piedmont	$136,965.00	Dec. 21
California Highway Commission	Bridge, Lake County	Thomas J. Doyle, San Francisco	$ 16,757.00	Dec. 22
California Highway Commission	1.5 miles paving, Los Angeles County	Griffith Co., Los Angeles	$129,445.00	Dec. 22
California Highway Commission	2.3 miles grading and oil treatment, Trinity County	Hemstreet and Bell, Marysville	$111,523.00	Dec. 22
California Highway Commission	0.8 mi. grading and paving, Tehama County	Hein Brothers Basalt Rock Co., Petaluma	$ 46,771.00	Dec. 22
California Highway Commission	0.7 mile grading and surfacing, Humboldt County	Hemstreet and Bell, Marysville	$ 32,238.00	Dec. 22
California Highway Commission	3.8 miles grading and paving, Los Angeles County	Jahn & Bressi Const. Co., Inc., L. A.	$299,644.00	Dec. 27
California Highway Commission	Three bridges, Monterey Co.	Bodenhamer Const. Co., Oakland	$ 78,096.00	Dec. 27
California Highway Commission	1.3 mi. paving, Stanislaus Co....	Heafey - Moore Co., Oakland	$ 57,774.00	Dec. 27
California Highway Commission	2.1 miles grading and paving, San Bernardino County	Griffith Co., Los Angeles	$ 57,207.00	Dec. 27
California Highway Commission	Bridge, Humboldt County	Theodore Johanns, S. F.	$ 10,985.00	Dec. 27
California Highway Commission	0.6 mi. grading and paving, Los Angeles County	Byerts and Dunn, Los Angeles	$ 77,486.00	Dec. 29
California Highway Commission	3.5 miles grading and paving, Ventura County	Basich Brothers, Torrance	$430,172.00	Jan. 3
California Highway Commission	Bridge & Approaches, Los Angeles	Jos. Maiser and D. J. Reed, Los Angeles	$ 27,458.00	Jan. 3
California Highway Commission	Bridge, Los Angeles County	D. J. Reed and Jos. Maiser, Los Angeles	$ 23,458.00	Jan. 9
California Highway Commission	Bridge, Los Angeles County	H. M. Baruch Corp., Los Angeles	$130,438.20	Jan. 9
California Highway Commission	Bridge, Mendocino County	Nevis & Harp, Santa Clara	$ 46,766.20	Jan. 9
California Highway Commission	Bridge, Humboldt County	Nevis & Harp, Santa Clara	$102,658.50	Jan. 9
California Highway Commission	3.2 miles grading and paving, Santa Barbara County	J. E. Haddock, Pasadena	$211,514.90	Jan. 9
California Highway Commission	1.8 mi. grading and paving	Griffith Co., Los Angeles	$117,688.50	Jan. 9
California Highway Commission	0.8 mile grading and paving, Fresno County	Valley Pav. & Const. Co., Fresno	$ 52,934.40	Jan. 9
California Highway Commission	1.4 mi. grading and surfacing, Mendocino County	Coats Const. Co., Sacramento	$ 45,474.00	Jan. 9
California Highway Commission	2.1 mi. grading and surfacing, Santa Barbara County	Macco Const. Co., Clearwater, Cal.	$ 41,686.50	Jan. 9
California Highway Commission	Grading and surfacing, 0.7 mi., Mendocino County	Hein Brothers Basalt Rock Co., Petaluma	$ 67,627.30	Jan. 13
California Highway Commission	6.8 miles grade and pave, Alameda and Contra Costa Cos...	Peninsula Paving Co. San Francisco	$209,964.00	Jan. 17
California Highway Commission	2.7 miles grading and surfacing, San Diego County	Walter Trepte, San Diego	$ 44,586.00	Jan. 17
California Highway Commission	2 miles grading and surfacing, Riverside County	Oswald Brothers, Los Angeles	$ 89,476.00	Jan. 17
California Highway Commission	8 miles grading, etc., Kern Co.	George K. Thompson, Los Angeles	$ 61,905.00	Jan. 17
California Highway Commission	3.4 miles grading and surfacing, Amador County	Hemstreet and Bell, Marysville	$ 57,413.00	Jan. 17

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
16	Lerner	Owner	4000
17	Higgins	Mooney	1500
18	Shoong	Owner	2750
13	Thorning	Altermatt	2500
14	Leonard	Kraus	1000
15	Hoge	Thrams	6950
16	White	Owner	1000
17	St. Andrews	Owner	1000
18	Golden	Rasori	30000
19	Tubb	Owner	1900
20	Hale	Empire	8500
21	Lubbe	Owner	1900
22	Sullivan	Owner	1500
23	De Martini	Owner	1000
24	Potter	Moore	3000
25	Porcaro	Cappelletti	7000
26	Liebes	Emanual	1000

ALTERATIONS
(16) NO. 220 GRANT AVE. Alter store.
Owner—Lerner Stores Corp., 354 4th Ave., New York City.
Architect—Not Given. $4000

REPAIRS
(17) NO. 85 URANUS DRIVE. Repair fire damage to dwelling.
Owner—Mrs. M. Higgins, Premises.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher St., San Francisco. $1500

ALTERATIONS
(18) NO. 825 SACRAMENTO ST. Alter apartments.
Owner—Shoong Investment Co., % Architect.
Architect—B. J. Joseph, 74 New Montgomery St., S. F. $2750

DWELLING
(13) 6100 THORNHILL DR., **OAKLAND**; one-story 5-room dwelling.
Owner—Geo. R. Thorning.
Architect—Not Given.
Contractor—J. F. Altermatt, 6233 Crown Ave., Oakland. $2500

ALTERATIONS
(14) 5807 LAWTON AVENUE, **OAKLAND**; alterations.
Owner—Mrs. J. B. Leonard, 5807 Lawton Ave., Oakland.
Architect—Not Given.
Contractor—W. J. Kraus, 1310 Marin Ave., Berkeley. $1000

STORES
(15) 3261-65 LAKESHORE AVENUE **OAKLAND**; 1-story conc. stores.
Owner—L. B. Hoge, 35 Muir Avenue, Piedmont.
Architect—Ray F. Keefer, 770 Wesley Ave., Oakland.
Contractor—C. H. Thrams, 28 Home Place, Oakland. $6950

RESTAURANT
(16) 470 LAKE PARK AVE., **OAKLAND**; one-story concrete restarant.
Owner and Builder—White Log Taverns, 519 16th St., Oakland.
Architect—Not Given. $1000

SUNDAY SCHOOL
(17) NE COR. KANSAS and Magee Ave., **OAKLAND**; one-story Sunday school.
Owner and Contractor—St. Andrews M. E. Church, NE Cor. Kansas and Magee Ave., Oakland.
Architect—Not Given. $1000

STORAGE PLANT
(18) S SEVENTH ST. 100 W Kirkham St., **OAKLAND**; two-story concrete cold storage plant.
Owner—Golden West Brewing Co., 533 Kirkham St., Oakland.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, Call Bldg., San Francisco. $30,000

ALTERATIONS
(19) NW BUSH and Taylor Streets; alter garage.
Owner—Chas. Tubb, 902 Bush Street.
Architect—Not Given. $1900

EXHIBITION DWELLING
(20) SW FIFTH and Market; one-story exhibition dwelling on roof.
Owner—Hale Bros., 5th and Market.
Architect—George de Colmesnil, 1312 Sutter St.
Contractor—Empire Const. Co., Shell Building.
Engineer—A. P. Fisher, 111 Sutter St. $8500

ALTERATIONS
(21) NW BUSH & TAYLOR. Alter Public garage.
Owner—Chas. Lubbe, 902 Bush St., San Francisco.
Engineer—W. W. Breite, 120 Battery St., San Francisco. $1900

ALTERATIONS
(22) N SIXTEENTH ST., bet. Mission and Valencia Sts. Alter store
Owner—D. J. and T. Sullivan, Inc., 1942 Folsom St., San Francisco.
Architect—Not Given. $1500

ADDITION
(23) NO. 1024 FILBERT ST. Add to dwelling.
Owner—Prospero Demartini, Prem.
Architect—Not Given. $1000

ALTERATIONS
(24) NE SIXTEENTH AVE. AND Lake St. Alter dwelling.
Owner—Sheldon Potter, 3037 Divisadero St., San Francisco.
Architect—M. Corbett, 683 Pine St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco. $3000

WINERY
(25) E FOLSOM 178 N Twenty-fourth St. Class C winery.
Owner—T. Porcaro, 277 Folsom St., San Francisco.
Engineer—H. L. Kegler, 661 29th St., San Francisco.
Contractor—D. Cappelletti, 667 Hampshire St., S. F. $7000

ALTERATIONS
(26) POST ST. near Stockton St. Alter store.
Owner—H. Liebes & Co., Premises.
Architect—Not Given.
Contractor — L. E. Emanuel, 2665 Jones St., S. F. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
19	Marshall	Elec Prod	1200
20	Haller	Owner	4000
21	New	Brumfield	1800
22	Carlson	Owner	1800
23	City	Peterson	1700
24	Monez	Owner	4500
25	Nickerson	Grubb	3909

DWELLING
(12) NO. 1176 KEELER ST., **BERKELEY**. One-story 4-room frame dwelling and garage.
Owner—Wm. McMillan, Berkeley.
Plans by Contractor.
Contractor—B. Reiningham, 622 Santa Fe Ave., Albany. $3000

SIGN
(19) 5400 TELEGRAPH AVE., **OAKLAND**; electric sign.
Owner—Marshall Steel Co., 2124 Center St., Oakland.
Architect—Not Given.
Contractor—Electrical Products Corp. 950 30th St., Oakland. $1200

DWELLING
(20) W ASCOT DRIVE 800 S Chetland Drive, **OAKLAND**. One-story six-room dwelling.
Owner—Paul H. Haller, 5300 Golden Gate Ave., Oakland.
Architect—Not Given. $4000

SIGN
(21) NO. 418 THIRTEENTH ST., **OAKLAND**. Electric sign.
Owner—New Canton Cafe.
Architect—Not Given.
Contractor—Brumfield Electric Sign Co., 965 Folsom St., San Francisco $1800

ALTERATIONS
(22) NO. 372 THIRTIETH STREET, **OAKLAND**. Alterations and additions.
Owner—Dr. F. J. Carlson, 207 Wakefield Bldg., Oakland.
Architect—Not Given. $1800

ALTERATIONS
(23) OUTER HARBOR — Pacific Coast Engineering Co., **OAKLAND** Alterations.
Owner—City of Oakland Port Dept., Grove St., Pier.
Architect—Not Given.
Contractor — J. B. Peterson & Son, 4021 Agua Vista Ave., Oakland. $1700

DWELLING
(24) NO. 395, OAKMORE ROAD, **OAKLAND**. Two-story six-room dwelling.
Owner—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Architect—Not Given. $4500

DWELLING
(25) NO. 1808 109TH AVE., **OAKLAND**. One-story 6-room dwelling and one-story garage.
Owner—V. Nickerson.
Architect—Not Given.
Contractor—J. B. Grubb, 1801 109th Ave., Oakland. $3090

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
7	Tarantino	Sartorio	12900
8	McDuffie	Early	3880
9	Associated	Eaton	4498

FLATS
(7) N NORTH POINT 127-6 E Webster E 27-6 N 137-6 W 30 S 37-6 E 2-6 S 100 to beg WA 257; all work on 2-story and basement frame flats.
Owner—Leo and Ruth Tarantino, 1690 Bay Street.
Architect—Not Given.
Contractor—P. Sartorio, 2440 Greenwich Street.
Filed Jan. 12, 1934.
When roof is completed.....$3225
When rough plaster complete.. 3225
When building is accepted..... 3225

Usual 35 days 3225
TOTAL COST, $12.900
Limit, 90 working days. Plans and Spec. filed.

SERVICE STATION
(8) NE BAY and Fillmore Sts.; all work on service station.
Owner—Wm. C. McDuffie as receiver for Richfield Oil Co. of Calif.
Architect—Not Given.
Contractor—Fred J. Early, Jr., 369 Pine Street.
Filed Jan. 12, '34. Dater, Jan. 4, '34.
Monthly payments of 85% of value of work done.
Completion an amount covering the difference between 85% of contract price and the amounts before referred to.
Usual 35 days, 15% of contract price
TOTAL COST, $3880
Bond, $1940. Sureties, C. M. Jenks.
Limit, on or before Feb. 20, 1934.
Plans and Spec. filed.

SERVICE STATION
(9) SW COR. BAY ST. and Van Ness Ave.; complete construction of new Service Station No. 53.
Owner—Associated Oil Co. of California.
Architect—Not Given.
Contractor—Eaton & Smith, 715 Ocean Avenue.
Filed Jan. 16, '34. Dated, Jan. 12, '34.
Ten days after completion and acceptance of work 75%
Usual 35 days.....25%
TOTAL COST, $4,498
Bond, $4500. Sureties, Massachusetts Bonding & Insurance Co. Limit, 40 working days. Plans and Spec. filed.

ALAMEDA COUNTY

1 Union Stolte 2495

SERVICE STATION
(1) CLAREMONT and College Ave., Oakland; all work on service station.
Owner—Union Service Stations, Inc.
Architect—Not Given.
Contractor—F. C. Stolte Co., 3455 Laguna Ave., Oakland.
Filed and Dated .....
Completion 75%
Usual 35 days 25%
TOTAL COST, $2495
Limit, 30 days. Plans and Spec. filed.

SAN FRANCISCO UNDER $1000

SIGN, electric, $445; 1510 Stockton St.; owner, M. Gallo, Prem.; contractor, Neon Sign Service Co., 1707 Folsom St.

SIGN, electric, $210; 1449 Polk St.; owner, M. D. Feldhym, Premises; contractor, Neon Sign Service Co., 1707 Folsom St.

SIGN, electric, $130; 879 Geary St.; owner, J. F. Reese, 879 Geary St.; contractor, Neon Sign Service Co., 1707 Folsom St.

ALTER store, $100; 108 Sagamore; owner, Nick Caunata, 106 Sagamore.

SIGN, electric, $150; 4th and Folsom; owner, Union Service Station, 220 Bush St.; contractor, West Coast Elec. Works, 160 10th St.

BARBER pole, $20; 10 6th St.; owner, Marie Barraco, 76 6th St.

SIGN, electric, $75; 1198 McAllister; owner, Abraham's Pharmacy, 1198 McAllister St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

SIGN, electric, $200; 800 Clement St.; ower, Druehl Drug Co., 800 Clement St.; contractor, Apex Elec. Co., 363 Fell St.

SIGN, cloth frame, $50; 1599 Market; owner, Les Vogel, 1599 Market; contractor, Daggett, Howard and 14th Sts.

SIGN, electric, $150; 1900 Fillmore; owner, F. B. A. Tavern, 1900 Fillmore St.; contractor, Apex Elec. Co., 363 Fell St.

REPAIR fire damage to apartments, $400; 3425 Scott St.; owner, M. Quick, % 2048 Market St.; contractor, Ira W. Coburn, 2048 Market St.

ALTER dwelling, $155; 519 Ashbury St.; owner, Mr. Tick, 519 Ashbury

ALTER plant, $450; 365 Vermont St.; owner, L. L. Williams, 430 Capistrano.

ADD to dwelling, $400; 75 El Plazuela; owner, C. A. Dragce, 75 El Plazuela; contractor, S. A. Guistl & Co., 200 Green St.

SIGN, electric, $75; 830 Great Highway; owner, C. W. Smith & Son, 784 Great Highway; contractor, Elec. Products Corp., 255 Golden Gate Ave.

ALTER dwelling, $900; 414 Castenada owner, Mrs. J. H. Clarkson, 4226 Anza; contractor, J. F. Linder. 617 Moraga.

BARBER pole, $5; 801 North Point; owner, S. Corallo, 801 North Point Street.

ALTER dwelling, $350; 365 30th Ave.; owner, H. F. Ebner, 365 30th Ave

ALTER flat, $75; 3 Sunny Court; owner, C. F. Humphrey, 315 Montgomery St.

SIGN, electric, $150; 154 Ellis Street; owner, Hotel Statler. 154 Ellis; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER apartments, $200; 3241 Scott St.; owner, Dr. J. B. Cole, Prem.

REPAIR fire damage to dwelling, $100 4122 20th St.; owner, Mrs. Mary Anderson, Premises.

ADD garage to dwelling, $400; 26 Hodges Alley; owner, G. Gravygella, 1140 Montgomery St.

ALTER stores, $65; 929 Market St.; owner, National Dollar Stores, 929 Market St.; contractor, Mortenson Const. Co., 608 Indiana.

ALTER rest, $100; 641 Montgomery; owner, Chas. Rothchild, 41 Sutter St.; engineer, Mr. Comstock, Milbrae Highlands.

ADD to dwelling, $150; 155 So. Wood Drive; owner, S. E. Plumb, 155 South Wood Drive.

ALTER rooming house, $350; 679 Clay St.; owner, E. W. Ferguson, 244 California; contractor, Fair Mfg. Co., 617 Bryant St.

SIGN, electric, $150; 2031 Polk St.; owner, S. Goldberg, 2031 Polk St.; contractor, Golden Gate Neon Sign Co., 355 8th St.

GARAGE, one-story frame, private, $480; 1345 Rhode Island St.; owner, F. Knox, Premises; contractor, G. B. De Lucchi, 4 Sharp Place.

ALTER dwelling, $200; 720 Anza St.; owner, Mrs. Mary R. Marshall, 727 18th Ave.; contractor, J. Bonadio & Co., 2509 Lake St.

BARBER pole, $5; 511 Duboce Ave.; owner, J. S. Johnston, Premises.

ALTER stable, $100; 43 Eleventh St.; owner, Emma J. Knox, 536 Leavenworth St.

REPAIR fire damage to apartments, $330; 920 Leavenworth St.; owner, Mr. Silverstine, % 1734 Broderick St.; contractor, L. Salmon, 1734 Broderick St.

SIGN, electric, 521 Clement St.; owner, Anna's Bakery, Prem.; contractor, L lb, 7th and Folsom Sts.

BARBER pole, $8; 2133 Chestnut St.; owner, J. Bower, Premises; contractor, Bertrand Elec. Co.; 600 California St.

BILLBOARD, $15; NW Geary and Jasephine Streets; owner, West Coast Adv. Co., 1864 Market St.

ALTER hotel, $450; SE California & Keanry Sts.; owner, Fruborn Est. Corp., % Contractor; contractor, Monson Bros., 475 Sutter St.

ALTER dwelling, $300; W Church St. 60 S 20th St.; owner, S. Lanthier, 49 Lafayette St.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $250; 1720 24th Ave., Oakland; owner, Centenial Presbyterian Church, 1720 24th Ave.

STORE, one-story brick, $663; 762 9th St., Oakland; owner, C. Cassaro, 762 9th St.; contractor, Wallace A. Peterson, 7127 Weld St.

GARAGE, one-story, $250; 7630 Greenly Drive, Oakland; owner, Alfred Hartman, Premises.

ADDITION, $50; 922 56th St., Oakland; owner, Wm. Whitehurst, 922 56th St.

ADDITION, $99; 5830 College Ave., Oakland; owner, Lida Kruger, 5897 Claremont Ave.; contractor, Geo. Smith, 829 20th St., Oakland.

ALTERATIONS, $15; 334 5th Street, Oakland; owner, M. Block, 334 5th St.; contractor, Sam Lee, 334 5th.

ALTER garage, $350; 782 Brookwood Road, Oakland; owner, Henry Carmean, Premises.

GARAGE, one-story, $100; 2525 Hopkins St., Oakland; owner, I. de la Paz, 3482 Boston Ave.

CHIMNEY, patent, $20; 1431 94th Ave. Oakland; owner, Annie Golemac, 1431 94th Ave.; contractor, Ohe Sheet Metal Co., 2254 E-14th St.

ADDITION, $100; 1844 79th Ave., Oakland; owner, Mrs. Chas. Stephens, Premises.

SIGN, electric, $150; SW 17th and Broadway, Oakland; owner, Dr. Barron; contractor, Elec. Prod. Corp., 950 30th St.

ADDITION, $75; 776 37th St., Oakland; owner, Wm. Forrest, 776 37th

ADDITION, $100; 3422 Alexander Court, Oakland; owner, W. P. Callahan, Premises.

ALTERATIONS, $125; 2259 Telegraph Ave., Berkeley; owner, Mrs. Rowell, 2101 Shattuck Ave.; contractor, Mason & McDuffie, 2101 Shattuck Ave.

ALTERATIONS, $450; 2075 Allston Way, Berkeley; owner, W. E. Woolsey; contractor, Harry C. Smith, 2011 Francisco St.

ALTERATIONS, $650; SW 30th and Summitt Sts., Oakland; owner, Medical Center Bldg. Assn., 30th and Summitt Sts.

ADDITIONS, $200; 1729 Grant St.; Berkeley; owner, C. T. Larsen, 1729 Grant St.

SIGN, electric, $350; 3321 Broadway, Oakland; owner, Frank Arden; contractor, Elec. Prod. Corp., 950 30th St., Oakland.

SIGN, electric, $125; 402 12th Street, Oakland; owner, Bob Biringer; contractor, Ace Electric Sign Co. 1243 E 12th St., Oakland.

SIGNS, two electric, $200 each; SE corner 20th and Broadway; owner Hotel Carillon; contractor, Elec. Prod. Corp., 950 30th St., Oakland.

SIGN, electric, $100; 3323 Grand Ave., Oakland; owner, Grand Ave. Liquor Store; contractor, Elec. Prod. Corp., 950 30th St., Oakland.

SIGN, electric, $350; 707 Washington Street, Oakland; owner, Ferrero Bros.; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

SIGN, electric, $150; 2121 Hopkins St. Oakland; owner, Amy Gill; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

ALTER and repair, $350; 619 Paloma Ave., Oakland; owner, John Howe, Prom.; contractor, The John J Moore Co., 354 Hobart St.

ALTERATIONS, $75; 3514 Hopkins St., Oakland; owner, H. C. Nichols, 3512 Hopkins St.

ALTERATIONS, $75; 1646 Grove St., Berkeley; owner, G. Cohn; contractor, Orr & Risdon, 5977 Majestic Ave., Oakland.

ALTERATIONS, $120; 1782 7th St., Oakland; owner, J. T. Holog, 1782 Seventh St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
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7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Contracts Awarded.
ALTERATIONS, ETC. Cost, $——
BERKELEY, Alameda Co., Cal. 2218 Durant Street.
Alterations and additions to apartments.
Owner—Mrs. E. F. Kraft. Premises.
Architect—Not Given.
Contractor—Georgfe F. King, 1541 Virginia St., Berkeley.
Plumbing—L. H. Miltz, 1908 Bonita, Berkeley.
Berkeley.
Painting—Nat Nylander, 1807 Carlton
Plastering—A. H. Hassler, 476 44th, St., Berkeley.
Wiring—South Berkeley Electric Co., 2310 Telegraph Ave., Berkeley.
Mill Work—Snuset Lumber Co., 1291 Delaware, Berkeley.
Tile bids are now being taken.

2— BONDS

BONDS SOLD.
LONG BEACH, Calif.—Long Beach City High School District sold bonds in the sum of $1,100,000 on January 11, the proceeds to be used for financing school construction in Long Beach. The Long Beach Elementary School District sold bonds in the sum of $240,000 on the same date.

BONDS SOLD.
LONG BEACH, Calif.—The Unified Rehibilitation Corp., 408 Press-Telegram Bldg., Long Beach, purchased from the Los Angeles county supervisors, January 11, Long Beach school bonds, as follows:
Long Beach elementary dist. bonds, $240,000, 4½% interest per annum, payable semi-annually.
Long Beach City High School Dist. bonds, $1,100,000 same interest. No bids were received on the $100,000 junior college bonds.

BONDS SOLD.
ARTESIA, Los Angeles Co., Cal.—The United Rehibilitation Corp., 408 Press - Telegram Bldg., Long Beach, purchased from Los Angeles County Supervisors January 11 $7500 of the Bloomfield District school bonds. The district is located at Artesia. H. F. Korsmeier, secretary of the district.

3— CHURCHES

Preparing Working Drawings.
CHURCH Cost, $3000
CROCKETT, Contra Costa Co., Cal.
One-story wood frame church building (shakes exterior, shakes roof, gas heating system, wood floors); auditorium to seat 100.
Owner—St. Marks Episcopal Church (Rev. Miller, Pastor), Crockett.
Architect—W. C. Ambrose, 244 Kearny St., San Francisco.
Bids will be asked in about two weeks.

4— FACTORIES & WAREHOUSES

Planned.
ALTER BLDG. Cost, $13,000
SANTA CRUZ, Santa Cruz Co., Cal. No. 183 Front Street.
Alterations to present building for dairy products depot and cold storage plant (50x250 ft.)
Owner—Adams & Glootz, 28 May St., Santa Cruz.
Architect—Not Given.
Further details will be announced shortly.

Sub-Contracts Awarded.
BUILDING Cont. Price, $17,500
SAN FRANCISCO. Tenth and Bryant Streets.
Two-story reinforced concrete keg washing building.
Owner—Milwaukee Brewery, 499 10th St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Brothers, 206 Sansome St., San Francisco.
Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St.
Steel Sash—Michel & Pfeffer, Iron Works, Harrison and Tenth Sts.
Glass—Hahenicht & Howlett, 529 Clay
Sheet Metal—Fire Protection Products Co., 1101 Tenth St.
Mill Work—Brannan St. Planing Mill, 560 Brannan St.
As previously reported, Lumber awarded to Loop Lumber Co., Central Basin; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts.

Contract Awarded.
ADDITION Cost, $1300
SAN JOSE, Santa Clara Co., Cal. No. 1261 Plum Street.
Addition to factory.
Owner—T. J. Gavin, 333 W. Julian St., San Jose.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN JOSE, Santa Clara Co., Cal. Race St. near Moorpark Avenue.
Alterations to factory.
Owner—U. S. Products Co., Premises.
Architect—Not Given.
Contractor—Summers Constr. Co., 17 N. First St., San Jose.

Plans To Be Prepared.
WINERY AND CANNERY $250,000
STOCKTON, San Joaquin Co., Cal. 10 acre tract near Municipal docks.
One-story concrete or brick winery (100x200 ft.) & one-story concrete or brick cannery (100x200 ft.) distillery, office building, etc.
Owner—Riverbank Canning Co. (Lorenzo Zorillo, owner), Riverbank.
Plans by J. A. Allen, 22 S-Sutter St., Stockton.
Further details will be announced in about ten days.
(3360) 1st report Dec. 29, 1933. 4

Engineer To Be Selected.
BUILDINGS Cost, $10,000
ALAMEDA, Alameda Co., Cal. Corporation Yard (North end Grand Street).
Group of seven reinf. concrete buildings (sheds, etc.)
Owner—City of Alameda.
Engineer—To Be Selected.
Preliminary plans were started by Leo C. Brumm, who is no longer connected with the City of Alameda.

Ask Federal Aid.
MACHINE SHOP Cost, $7000
MODESTO, Stanislaus Co., Calif. 8th and L Streets.
One-story reinforced concrete and tile machine shop (42x90 ft.)
Owner—City of Modesto.
Engineer—F. J. Rossi, city engineer, Modesto.
City of Modesto has applied for a grant of $2300 to help finance construction.

Contract Awarded.
WINERY Cost, $7000
SAN FRANCISCO. E Folsom St. 178 N Twenty-fourth St.
One-story Class C winery.
Owner—T. Porcaro, 277 Folsom St., San Francisco.
Engineer—H. L. Kegler, 661 29th St., San Francisco.
Contractor—D. Cappelletti, 667 Hampshire St., San Francisco.

SUB-CONTRACTS AWARDED.
HAMILTON FIELD, Marin Co., Cal.—K. E. Parker Co., 135 South Park, San Francisco, awarded the following sub-contracts for the construction of the ordnance warehouse and chemical storage building at Hamilton Field
Pile Driving—Raymond Concrete Pile Co., 111 Sutter St., San Francisco.
Reinf. Steel—W. S. Wetenhall, 17th & Wisconsin Sts., San Francisco.
Sheet Metal—E. W. Anderson, 3103 San Pablo Ave., Oakland.
Steel Sash—L. H. Price.
Plastering—Michael King, 2343 Bay St. San Francisco.
Painting—Patterson Bros., 573 Santa Rosa Ave., Berkeley.
Glass and Glazing—Habenicht & Howlett, 529 Clay St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Electric—W. K. Jennings, San Rafael

Planned.
IMPROVE WINERY Cost, $100,000
FRESNO, Fresno Co., Calif.
Improve winery (additional cooperage, new bottling equipment, etc.)
Owner—Mt. Tivy Winery, Inc. (Lucius Powers, Jr., President, Rowell Bldg., Fresno.)
Architect—To Be Selected.
Action deferred until spring.

Construction Started.
PLANT Cost, $5000
PASO ROBLES, San Luis Obispo Co. Calif.
Two-story brick sulphur concentrating plant (capacity of 1000 gals. per month).
Owner—Paso Robles Concentrates Co. of Los Angeles.
Architect—Not Given.
Contractor—F. J. Faulstich, San Luis Obispo.

AWARD.
BURBANK, Los Angeles Co., Cal.—R. E. Millsap, 803 Pacific National Bldg., Los Angeles, awarded a contract for the complete construction of a wine bottling building near Burbank for John McClure. Work will be started at once. The building will be a one-story, Class C structure, 50x68 ft. in area with concrete walls, wood roof trusses, composition roofing, cement floor, loading platform ,toilets,

tc. Morgan, Walls and Clements, architects, 1135 Van Nuys Bldg., Los

ontract Awarded.
DDITION Cost, $4000
AN JOSE, Santa Clara Co., Cal. 360 Park Avenue.
ne-story frame and stucco addition to laundry.
wner—Red Star Laundry, 360 Park Ave., San Jose.
rchitect—Binder & Curtis, 19 North Second St., San Jose.
ontractor—V. F. Van Dalsem, 905 Willow Glen Way, San Jose.
Sub - contracts will be awarded nortly.

WARD
SUTTER COUNTY, Cal. — Haas, oughty & Jones, 1104 Merchants' Exhange Bldg., San Francisco, at $29,-43.90)$0.1029 per cy. yd.) awarded ontract by War Department (U. S. ngineer Office, Sacramento), for ising and strengthening an existing vee on the Feather River, Sutter ounty.
Complete bids published January 4.

ub-Contracts Awarded.
EPAIR FACTORY Cost, $4000
AN FRANCISCO. No. 150 Redwood Street.
eplace roof of factory recently destroyed by fire.
wner—Edmunds Lyman, 604 Mission St., San Francisco.
ngineer—N. B. Green, Sharon Bldg., San Francisco.
ontractor—F. R. Siegrist, 604 Mission St., San Francisco.
umber—San Francisco Lumber Co., Beach and Powell Sts.
ill Work—Anderson Eros., Quint & Custer Streets.
rick—Emil Hogberg, 666 Mission St.
lectric—Seabeach Electric Co., 1021 Guerrero St.
oofing—City Roofing Co., 649 Van Ness Avenue.

ontract Awarded.
LTERATIONS Cost, $2000
AKLAND, Alameda Co., Cal. Outer Harbor.
lterations to building (Pacific Coast Engineering Co.)
wner—City of Oakland Port Commission, Grove St., Pier, Oakland.
lans by Engineering Dept. of Owner.
ontractor—J. B. Peterson & Son, 4021 Agua Vista Ave., Oakland.

3—GARAGES & SERVICE STATIONS

ub-Contracts Awarded.
LTERATIONS Cost, $5000
AKLAND, Alameda Co., Cal. No. 1100 Harrison Street.
lterations and additions to service station.
wner—Firestone Tire & Rubber Co., Los Angeles.
lans by Engineering Dept. of Owner.
ontractor—C. H. Thrams, 28 Home Place, Oakland.
oncrete Work—Nat Lena, 1174 19th St., Oakland.
tructural Steel—Judson-Pacific Co., Foot of Park Avenue, Oakland.
lass—East Bay Glass Co., 621 Sixth St., Oakland.
lumbing — B. H. Beynon, 855 53rd St., Oakland.

o Be Done By Day's Labor.
ARAGE Cost, $7500
ERKELEY, Alameda Co., Cal. Corporation Yard.
ne-story reinforced concrete and brick garage (25x130 ft.) to house approximately 12 trucks.
wner—City of Berkeley.
lans by Stanley Koch, Building Inspector, Berkeley.
Work will be done by day's labor nder the CWA.

Construction Started.
ALTER GARAGE Cost, $2000
SAN FRANCISCO. NW Bush and Taylor Streets.
Alterations to public garage.
Owner—Chas. Lubbe, 902 Bush St., San Francisco.
Engineer—W. W. Breits, 120 Battery St., San Francisco.
Contractor—Mr. Burd, Premises.

Contract Awarded.
SERVICE STA. Cont. Price, $4,498
SAN FRANCISCO. Bay St. at Van Ness Avenue.
Super service station.
Owner—Associated Oil Co., 79 New Montgomery Street.
Plans by Engineering Dept. of Owner.
Contractor—Eaton & Smith. 715 Ocean Avenue.

Plans Being Figured—Bids Close Jan. 23rd.
SERVICE STATION Cost, $——
SAN FRANCISCO, Kearny St., Columbus Ave. and Jackson St.
Steel service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
William Spivock, Hobart Bldg., is figuring the plans and desires subbids on all portions of the work.

Contracts Awarded.
GARAGE Cost, $7500
BERKELEY, Alameda Co., Cal. Corporation Yard.
One-story reinforced concrete and brick garage (25x130 ft.) to house approximately 12 trucks.
Owner—City of Berkeley.
Plans by Stanley Koch, Building Inspector, Berkeley.
Mgr. of Constr.—E. Meyben, Premises.
Work is being done by day's labor under the CWA. Following material contracts awarded.
Lumber—Humphrey-Farr Co., Rose and Sacramento Sts., Berkeley.
Reinforcing Steel — Baker, Hamilton Pacific Co., San Francisco.
Brick—W. S. Dickey Clay Mfg. Co., 116 New Montgomery St., S. F.

7—FEDERAL BUILDING

BIDS OPENED
SACRAMENEO, Cal.—H. A. Framburg & Co., Chicago, Ill., at $5345 submitted low bid to Treasury Department for furnishing and installing interior lighting fixtures in the U. S. Post Office and Court House at Sacramento. Following bids received:
H. A. Framburg & Co., Chicago, Ill., $5345.
Moe-Bridges Co., Milwaukee, Wisc., $5555.
Edwin F. Guth Co., San Louis, Mo., $5917.
Reading Chandelier Co., Reading, Pa., $8800.
Bids held under advisement.

BIDS WANTED
SAN FRANCISCO—Until January 25, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for plastering basement and installing quarry tile on roof of porte cochere, etc., of Buildings Nos. 19 and 61 at the Letterman General Hospital, Presidio, San Francisco. Plans and specifications available from above office upon deposit of $5.

LOW BIDDERS
COCO SOLO, Canal Zone — H. B. Nelson Construction Company, Atlanta at $200,000 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of steel hangars at Coco Solo, Canal Zone. Spec. No. 7351. Grebein & Markenz, Panama City, at $210,600 submitted second low bid and Tucker McClure, Los Angeles, at $216,000 were third low. Complete bids will be published shortly.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Venor Co., 36 Sacramento St., San Francisco, at $2908.20 awarded contract by Post Quartermaster Hamilton Field, to furnish and install linoleum in new kitchens of the Non-Commissioned Officers' Quarters at Hamilton Field.

BIDS OPENED.
FORT LEWIS, Wash. — Erickson, Roberts & Johnson, Tacoma, at $99,630 awarded contract by Constructing Quartermaster, Fort Lewis, to construct gun sheds for 155 mm. guns, including utilities at Fort Lewis. Howard S. Wright & Co., Inc., Seattle, submitted low bid for the construction of stables at $31,950.
Complete bids follow:

Gun Sheds

Erickson, Roberts & Johnson, Tacoma	$ 99,630
West Coast Const. Co., Seattle	99,975
Emil Pohl, Seattle	101,600
J. W. Bailey Const. Co., Seattle	102,123
Howard S. Wright & Co., Seattle	102,926
A. F. Mowat, Seattle	106,710

Stables

Howard S. Wright & Co., Seattle	$ 31,950
J. W. Bailey Const. Co., Seattle	33,266
West Coast Const. Co., Seattle	33,725
William Wills, Seattle	34,102
Harry Boyer & Sons, Olympia	35,450
A. F. Mowat, Seattle	38,000

The gun sheds are to be steel frame buildings with brick walls and concrete floors. Six will be built, each with a ground area of 180x40 feet. The stables will be 202x65 feet in area, and the number to be built will not be decided until the bids are studied at Washington, D. C., by the war department.

BIDS OPENED.
SACRAMENTO, Cal.—M. P. Canon, 2708 Tenth Ave., Sacramento, at $135 submitted low bid for flood lights and Frank R. Merwin, 2623 Donner Way, Sacramento, at $109 submitted low bid for buzzer system to Construction Engineer, Post Office, for furnishing and installing buzzer system and flood lights in the Sacramento post office. Following bids received:
(1) buzzer system;
(2) flood lights.

M. P. Canon	(1)	$132.00
	(2)	135.00
Frank R. Merwin	(1)	109.00
	(2)	184.00
Sterling Electrical Co.	(1)	152.75
	(2)	139.50
Luppen & Hawley, Inc.	(1)	164.00
	(2)	173.00

All bidders of Sacramento.

BIDS WANTED.
FORT LEWIS, Wash.—Until Jan. 25, 11 A. M., bids will be received by Constructing Quartermaster, Ft. Lewis for the construction of one chapel, one fire and guard house and one ordnance repair shop at Ft. Lewis. Plans available from above office upon deposit of $25.00 per set. Estimated cost, $115,000.

CONSTRUCTION TO START SHORTLY
SAN PEDRO, Los Angeles Co., Cal. —Chas. T. Montague, 1144 S. Grand Ave., Los Angeles, will start work February 1 on the construction of the United States quarantine and detention station on Reservation Point, San Pedro, for the U. S. Treasury

Department. The station will consist of a two-story office and store building, 41x32 feet in area; two-story quarters for medical officers, 64x35 feet; two-story quarters for junior medical officers, 50x43 feet; and a wharf. The buildings will have concrete walls, tile and composition roofing, steel sash, waterproofing materials, architectural terra cotta, ornamental metal, steel medicine cabinets, interior tile work, composition floor tile, linoleum dumbwaiter and two-pipe hot water heating system. The wharf, containing six 10-foot bays and a 30-foot approach span, will be constructed of creosoted timber piles, framing timber and decking. Cost, $65,500.

BIDS WANTED

SEATTLE, Wash.—Until February 2, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. Federal Office Building at Seattle, Wash. Specifications may be obtained from the above office and from the Custodian of the building at Seattle.

Additional Sub-Contracts Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building, (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 261 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
James R. Purcell, Room 1707, William Taylor Hotel, is in charge of construction.
Terra Cotta—Gladding, McBean, 660 Market St., San Francisco.
Brick and Hollow Tile—W. S. Dickey Clay Mfg. Co., 116 New Montgomery St., San Francisco.
Other awards reported January 10.

ALLOTMENT INCREASED.

SAN FRANCISCO. — Public Works Administration has increased the allotment from $780,000 to $1,225,000 for the construction of a new mint and assay office at Fifth and Mission Sts. Further details will be announced at a later date.

BIDS WANTED

FORT LEWIS, Wash.—Until January 30, 11 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, for the construction of one headquarters and administration building and one bachelor officers' quarters at Fort Lewis. Plans and specifications available from above office upon deposit of $30 for headquarters and administration building and $35 for bachelor officers' quarters.

BIDS WANTED

SAN FRANCISCO — Until January 23, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for furnishing all labor and materials and performing all work for the field inspection of structural steel work for the Federal Office Building, San Francisco. Each bid must be accompanied by a statement of qualification in detail of the bidder. Consideration will not be given to bidders who have not inspected within the last five years at least one building comparable with the above mentioned project. Specifications may be obtained from above office or from E. W. Roberts, Construction Engineer.

8— CLUB BUILDINGS

Construction Under Way.

RECREATION BLDG. Cost, $40,000
MONTEREY, Monterey Co., Cal. Presidio of Monterey.
Two-story frame and stucco recreation building (60x120 feet); redwood shake roof, basketball court, showers, toilets, ladies' room, glassed-in loggia, lounge, 120 x 14 ft.; swimming pool and sunken garden in front of building, officers' club room, etc.
Owner — United States Government. (Col. Ralph M. Parker, Post Commander), Monterey Presidio.
Plans by W. B. Snook, Spazier Bldg., Monterey.
Supt. of Constr.—W. B. Snook, Spazier Bldg., Monterey.

Plans Being Completed.

ADDITION Cost, $——
SAN FRANCISCO. California & Mason Streets.
Addition to club building.
Owner—Pacific Union Club, California and Mason Streets.
Architect—George Kelham, 315 Montgomery Street.
Engineer—H. J. Brunnier, Sharon Building.

9— HOSPITALS

SEEK FEDERAL AID

ALASKA — Bureau of Indian Affairs has filed application with the Public Works Administration for $467,770 to finance construction of six hospital buildings in Alaska. Locations and cost of the buildings as follows:

Ketchikan, $111,200; Seward, $104,800; Bethel, $114,620; Kanakanak, $57,750; Kotzebue, $58,600, and White Mountain, $20,800.

Preparing Working Drawings.

HOSPITAL BLDG. Cost, $——
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement concrete and brick addition to women's home building.
Owner—Sacramento County.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Public Works Administration allotted $40,000 to finance construction.

Funds Not Allotted.

CLINIC BLDG. Cost, $20,000
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement concrete and brick addition to clinic building.
Owner—Sacramento County.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
It was reported in our issue of Jan. 8 that the Public Works Administration had allotted funds to finance construction, which was in error. Funds were allotted for the women's building only.

ASK FEDERAL AID

BERKELEY, Alameda Co., Cal.—State of California applied to the Public Works Administration for a loan of $1,162,629 and a grant of $368,290 for financing the construction of new buildings at the State School for the Deaf, Berkeley. Chas Roeth, 2548 Cedar St., Berkeley, Architect.

Sub-Contracts Awarded.

HAMILTON FIELD, Marin Co., Cal. —Leo Epp, 4745 Geary St., San Francisco, awarded the following sub-contracts for the construction of the hospital and detachment barracks building at Hamilton Field:
Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Electric—W. K. Jennings, 907 Lincoln Ave., San Rafael.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Heating—F. W. Snook, 596 Clay St., San Francisco.
Roofing—W. J. Anderson, 3825 Army St., San Francisco.
Tile & Dampproofing—Malott & Peterson, 3221 20th St., San Francisco
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Miscellaneous Iron — Anchor Post Fence Co., 460 5th St., San Francisco.
Structural Steel—Anchor Post Fence Co., 460 5th St., San Francisco.
Plastering—Chris Berg, 719 45th Ave., San Francisco.

BIDS WANTED.

AGNEW, Santa Clara Co., Calif.—Until January 23, 10 A. M., bids will be received by State Purchasing Department, Sacramento, for wire guard rails and screens to be installed at the Agnew State Hospital. Specifications available from above office.

PREPARING PLANS.

TUCSON, Ariz.—Dr. B. L. Wyatt, 517 N 6th Ave., Tucson, is having plans prepared for the first unit of a clinic he will establish in the 1800 block on East Speedway, Tucson.

BIDS OPENED.

SAN FRANCISCO. — Hipolito Company, 4246 Holden St., Oakland, at $124.40 submitted low bid to Materials Officer, U. S. Marine Hospital, San Francisco, for weatherproofing doors and transoms of buildings Nos. 1, 2, 5, 6, 7, 8, 12, 13, 14, 15 and 16. Following bids received:

Hipolito Co., Oakland $124.40
Reliable Metal Weatherstrip Co. San Francisco 138.80
Hagberg Bros., San Francisco 167.60
Chamberlin Metal Weatherstrip Co., San Francisco 246.50

Bids referred to Washington for award.

10— HOTELS

January 13, 1934

Plans Being Prepared.

ADDITION Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1800 Madison Street.
Steel and concrete dining room addition to Lake Merritt Hotel.
Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.), Oakland.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
(3490) 10

Planned.

HOTEL Cost, $——
LONG BARN, Tuolumne Co., Cal.
Construct new hotel and cottages.
Owner—B. Hoyle, Long Barn Hotel Long Barn. (R. W. Diehl, Mgr.)
Architect—Not Given.

11—ICE AND COLD STORAGE PLANTS

Planned.

COOLING PLANT Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. Site not selected.
Construct new cooling plant.
Owner — Central California Berry growers Assn. (Geo. Webb, Pres.) 510 Battery St., San Francisco.
Architect—Not Selected.

12— POWER PLANTS

Bid Opening Date Postponed Until January 24, 2:30 P. M.

SAN FRANCISCO—Until January 24, 2:30 P. M., (date postponed from January 17) bids will be received by S. J. Hester, Chief Deputy Director Department of Public Works, Room

)I, City Hall, for alterations and ad-
tions to steam generator plant at
e Laguna Honda Home. Work In-
)lves:
Construction for a new building for
)iler room, boiler to be 400 - hp.;
)mplete automatic plant control, in-
ced air fan, electrically driven, com-
ete boiler room instruments, pneu-
atic water system, new filter sys-
m, two 10,000 gallon storage tanks,
terations to present switch board
d feeders for relining of old boiler.
stimated cost, $93,000. Plans and
ecifications available from above
fice upon deposit of $10.00. Bids are
eing received on a lump sum basis.
399) 1st report Jan. 4, 1934. 12

LECTION
WEAVERVILLE, Cal. — Trinity
ounty Board of Supervisors has set
ebruary 14 as the date for voting
r three directors for the Weaver-
lle Public Utility District. As pre-
iously reported, formation of the dis-
ict was approved at a special elec-
on December 21. It is proposed to
urchase the properties of the Weav-
rville Electric Co. at an estimated
ost of not more than $30,000.

3— PUBLIC BUILDINGS FIRE HOUSES & JAILS

ub-Contracts Awarded.
LTER FIREHOUSE
Cont. Price, $6850
TOCKTON, San Joaquin Co., Cal.
emodel interior of fire house (work
involves carpentry work, plastering
small amount of cabinet work,
lockers, etc.)
wner—City of Stockton.
rchitect—Not Given.
ontractor — John Hackman, Borden
Highway, Stockton.
eating, Plumbing and Sheet Metal—
W. T. Gibson Co., 123 S. Grant St.,
Stockton.
lectric Wiring—Eddy Electric Co.,
309 E. Weber St., Stockton.
ill Work — Electric Planing Mill,
Hazelton and Monroe Sts., Stock-
ton.
tructural Steel—Valley Steel & Weld-
ing Co., 935 E. Scotts Ave., Stock-
ton.
oofing—Stockton Roofing Co., 736 N.
Hunter St., Stockton.
ainting—J. F. Ecker, 17 W. Poplar
St., Stockton.
lastering—John Perry, 1037 N. Ed-
dison St., Stockton.
lass and Glazing—W. P. Fuller &
Co., 218 S. Aurora St., Stockton.
Building is 30% completed.

reparing Working Drawings.
DDITION Cost, $70,000
ACRAMENTO, Sacramento Co., Cal.
hree-story reinforced concrete addi-
tion to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California
State Life Bldg., Sacramento.
Bids will be asked in about six
weeks.

COMMISSIONED TO PREPARE PLANS
NATIONAL CITY, San Diego Co., Cal.—Architect Lillian J. Rice, Rancho Santa Fe, has been authorized by the National City city council to prepare plans for aproposed city hall to be erected in National City. The building will contain 5800 square feet of floor space on the main floor and 3600 feet in the basement, where a jail and storage rooms will be located. A bond issue to finance the project will be submitted to the voters at a special election to be called by the council.

CONTRACTS AWARDED.
SANTA MARIA, Santa Barbara Co. Cal.—O. H. Strauser, 900 Dawson Ave. Long Beach, awarded general contract by Santa Maria city council at $50,-847 for construction of a building in Santa Maria to house city offices, fire station and jail According to terms of the contract, Mr. Strauser will assume responsibility for all sub-contracts which will be handled by the following firms at the prices noted: E. M. Payne, 840 Monterey St., San Luis Obispo, plumbing and sheet metal at $3176; Mission Electric Co., 1020 State St., Santa Barbara, electrical work at $1646; Kyle Roofing Co., Santa Maria, roofing at $5368; E. M. Payne, heating and ventilating at $2-838.50; Patterson Brothers, 573 Santa Rosa Ave., Berkeley, painting at $1,-474. Louis N. Crawford, 8 Gibson-Drexler Bldg., Santa Maria, is the architect. The building will be a reinforced concrete structure with art stone trim, ornamental iron, tile roof concrete floors, cork, tile and linoleum floor covering, vault, intercommunicating telephone system, hot air furnace, steel sash, tile work, etc. Public Works Administration recently allotted a grant of $12,100 to be applied on the cost of constructing the building.

PREPARING PLANS.
OCEANSIDE, San Diego Co., Cal. Architect Virgil Westbrook, San Clemente, has started the preparation of working drawings and specifications for the new city hall and library building to be erected in Oceanside. The Public Works Administration, early this month, approved an allotment of $40,000 to the city for financing the structure.

CONTRACT AWARDED
MEMORIAL Cont. Price, $52,432
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; club rooms, etc.; tile and composition roofing, hot air heating system, hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor — H. H. Larsen, Co., 64 South Park, San Francisco.

PLANNED.
SACRAMENTO, Calif.—Directors of the California State Fair will file an application with the Public Works Administration for a loan of $300,000 to finance construction of a horse show coliseum.

To Be Done By Day's Labor.
AUDITORIUM Cost, $25,000
PLACERVILLE, Eldorado Co., Cal.
Two-story reinforced concrete auditorium.
Owner—City of Placerville.
Architect — W. E. Coffman, Forum Bldg., Sacramento.
Mgr. of Constr.—C. E. Fowler, Prem.
Construction is started by day's labor under the CWA.

Preliminary Sketches Approved.
MEMORIAL Cost, $60,000
MONTEREY, Monterey County, Cal. Civic Center.
Two - story adobe memorial (to house city offices, jail, etc.)
Owner—City of Monterey.
Architect—W. O. Raiguel, Hotel Del Monte, Del Monte, and C. J. Ryland, Monterey.
Appriximately $60,000 is available for the construction under the will of the late Mrs. Agatha Few.

To Be Done By Days Work.
LIBRARY Cost, $10,000
LINDSAY, Tulare Co., Calif. N Gale Hill Avenue.
One-story frame and stucco library building (Spanish type).
Owner—City of Lindsay.
Architect—Not Given.
Work will be done by days labor under the CWA.

Construction Started.
MEMORIAL Cost, $8000
SACRAMENTO, Sacramento Co., Cal. South Side Park, Seventh and T Streets.
One-story reinforced concrete memorial (combination bandstand & outdoor theatre stage, 60x40 ft.)
Owner—South Side Improvement Club
Architect—Harry Devine, California State Life Bldg., Sacramento.
Work has been started under the CWA.

14— RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. No. 3000 Washington Street.
One-story and basement frame and stucco residence (7 rooms) Colonial style.
Owner—Pietro Recagno.
Architect—Not Given.
Contractor — Charles Ungaretti 1727 Foothill Blvd., Oakland.
Plumbing—Albert Petitjean, 1649 11th Ave., Oakland.
Brick — J. C. Jorgensen, 2768 26th Ave., Oakland.
Hardwood Floors — C. Crazlano, 454 Cavour St., Oakland.
Electric — Kerr & Clifford, 3626 E-14th St., Oakland.

Hardwood Floor Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 1434 Fernwood Drive.
One and one-half-story frame and stucco residence (6 rooms).

Move More Dirt Faster with LE TOURNEAU Equipment

A complete line of grading machinery — designed by a contractor — developed on actual construction jobs—built to stand continuous use under the worst conditions.

ENGINEER'S CONSULTATION FREE

R. G. LE TOURNEAU, INC.

Wilson Way at Roosevelt Stockton, Calif.

Owner—C. A. McCoy, 1010 Fresno St., Berkeley.
Architect—Not Given.
Contractor—H. L. Crocker, 30 Wildling Lane, Oakland.
Hardwood Floors—Ambrose Bros., 48th Ave., Oakland.
Other awards previously reported.

Contract Awarded.
RESIDENCE Cost, $3300
BERKELEY, Alameda Co., Cal. Keeler Avenue.
Two-story frame residence (5 rooms) rustic exterior, shingle roof, gas heating, hardwood floors, etc.)
Owner—Wm. McMillan.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—B. Reininghaus, 622 Santa Fe Ave., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
STOCKTON, San Joaquin Co., Cal. No. 2288 E. Lafayette St.
One-story brick residence (6 rooms).
Owner and Builder—Joe Testa, Prem.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. 1872 Leimert Blvd.
One-story and basement frame and stucco residence (6 rooms) shingle roof, gas heating system, steel sash, ornamental iron, pine trim.
Owner and Builder—Paul H. Haller, 5243 Golden Gate Ave., Oakland.
Plans by Contractor.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.
Brick—Paul Breitkopf, 2145 East 23rd St., Oakland.
Plastering—Carl Spiken, 2315 Ninth Ave., Oakland.
Plumbing—Chester Bray, 5941 Bromley Ave., Oakland.

Contract Awarded.
REMODEL RESIDENCE Cost, $3130
SAN FRANCISCO. Sixteenth Avenue and Lake Streets.
Remodel residence (2-story frame and stucco structure) work involves: new entrance, brick steps, wrought iron railing, new kitchen equipment, new plumbing fixtures, add one new bath room, linoleum and canvas in baths, complete painting and decorating, warm air gas heating system, living room to be done in pine.
Owner—Sheldon Potter.
Architect—Mario Corbett, 683 Sutter.
Contractor — Moore and Roberts, 693 Mission Street.

Contract Awarded.
RESIDENCE Cost, $3000
OAKLAND, Alameda Co., Cal. No. 6100 Thornhill Drive.
One-story frame and stucco residence (5 rooms).
Owner—George R. Thorning.
Architect—Not Given.
Contractor — J. F. Altermatt, 6233 Crown Ave., Oakland.

Lumber & Concrete Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Windsor St. (Sunset Gable Tract).
Two-story frame and stucco residence (6 rooms) shingle roof, gas heating system, tile work, wood sash, sheet metal, etc.
Owner—Mrs. Ruth Utter, Richmond.
Architect—Not Given.
Contractor — W. A. Netherby, 3853 Lyman Road, Oakland.
Lumber—Swift Lumber Co., Inc., 340 29th Ave., Oakland.
Concrete—Axel A. Johnson & Sons, 1280 Monterey Ave. Berkeley.
Sub-bids are being taken on sash and doors, trim, case work plumbing, sewer, heating (gas furnace), sheet metal work, brick venering and chimney, shingle roofing, electric wiring, and fixtures, plastering, inside tile, painting, hardwood floors, finish hardware, and finish cement work.

Plans Being Figured—Bids Close January 27.
RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story and basement frame, brick veneer, stucco residence (8 rooms and 3 baths) split shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Following will submit bids:
Palmer & Balsinger, 254 N. Bancroft St., Santa Cruz.
Hamilton & Church, 383 Ocean St., Santa Cruz.
Clarence Doan, Santa Cruz.

Contract To Be Awarded.
RESIDENCE Cost, $9000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and stucco residence (7 rooms and 3 baths).
Owner—Fred W. Kant, Mills Bldg., San Francisco.
Architect — H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal. No. 150 Southwood Drive.
Two-story and basement frame and stucco residence.
Owner—Palo Alto Land Co.
Architect—Not Given.
Contractor—Arol & Okerman, Box 433, Palo Alto.

To Be Dont By Day's Work.
RESIDENCE Cost, $3000
PALO ALTO, Santa Clara Co., Cal. No. 676 Harvard Street.
One-story frame and stucco residence.
Owner and Builder—George B. Moore, 531 Stanford Ave., Palo Alto.
Architect—Not Given.

Sub-Contracts Awarded.
ALTER RESIDENCE Cost, $2973
PALO ALTO, Santa Clara Co., Calif. 442 Lowell Avenue.
Alterations to two-story frame and stucco residence (general interior and exterior work).
Owner—Harry Bruning, 442 Lowell Ave., Palo Alto.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Clinton Stephenson Construction Co., 550 Montgomery St., San Francisco.
Heating—Lowell Davison, 375 Monterey Blvd., San Francisco.
Heating—J. T. Provoo, 422 21st Ave., San Francisco.
Mill Work—Minton Co., Palo Alto.
Plumbing — L. S. Sanitary Co., Palo Alto.
Electric — Evans Electric Shop, Los Altos.
Sheet Metal—Lowell Davison, 375 Monterey Blvd., San Francisco.
Hardwood flooring and plastering contracts will be awarded shortly.

Preparing Working Drawings.
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Calif.
Two-story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Bids will be asked in about 2 weeks.

CONTRACT AWARDED
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 1809 109th Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—V. Nickerson.
Architect—Not Given.
Contractor — J. B. Grubb, 1801 109th Ave., Oakland.

Sheet Metal Bids Being Taken
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. Grizzley Peak Blvd.
Two-story frame and stucco residence (shingle roof).
Owner—Franklin Murray, 407 Vernon St., Oakland.
Architect—Not Given.
Mgr. of Constr. — Mark Bristol, 1038 McKinley Ave., Oakland.
Tile Roofing—M. & S. Tile Co., Decoto
Other awards previously reported.

Contract Awarded.
RESIDENCE Cont. Price, $10,890
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame and stucco residence.
Owner—J. H. P. Howard, Jr., 1401 Jones St., San Francisco.
Architect—Willis Polk Co. (Angus McSweeney, architect) 277 Pine St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose, Burlingame.

Sub-Contracts.
RESIDENCE Cost, $6500
SAN FRANCISCO. W Oakdale 125 E Newhall.
Two-story and basement frame and stucco residence.
Owner—Spiro and Anna Gauci, care contractor.
Architect—Not Given.
Contractor—Delucchi and Sons, 3275 San Bruno Avenue.
Concrete Work—A. Dini & Co., 3275 San Bruno Avenue.
Lumber—Sudden Lumber Co., Evans and Quint Streets.
Plastering—S. Berg.

To Be Done By Days Work.
RESIDENCE Cost, $2000
REDWOOD CITY, San Mateo Co., Cal. 250 McKinley Street.
One-story frame and stucco residence
Owner and Builder—G. Moncreiff, 1031 King St., Redwood City.
Architect—Not Given.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $4500
OAKLAND, Alameda Co., Cal. Idora Park Tract. 56th St. W Carberry
One-story frame and stucco residence (5 rooms and sleeping porch) tile roof, gas heating system, hardwood floors, etc.
Owner—Harry Stone, 1072 61st Street, Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Contractor—Leo J. Dolan, 770 Wesley Ave., Oakland.
Flooring — Ability Hardwood Floor Co., 1807 40th Ave., Oakland.
Tile—Richard Orcutt, 902 E-24th St., Oakland.
Cabinet Work—Walstad Cabinet Shop, 2877 Hopkins St., Oakland.
Fixtures—Roberts Mfg. Co., 480 23rd St., Oakland.
Linoleum and Hardware — Maxwell Hardware Co., 1320 Washington St., Oakland.
Other awards previously reported.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3997 Oakmare Road.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.

15— SCHOOLS

PLANNED.

LOS ANGELES, Cal.—Los Angeles school rehabilitation program, a portion of which is expected to get under way early this year in view of recent allotments of Federal funds totaling approximately $10,500,000, will consist largely of restoring existing school buildings and the erection of new buildings where former structures cannot be repaired and have been condemned. The school board expects to handle construction work by contract, with a few possible changes in the former method of this procedure. Bonding requirements may be more rigid and it is contemplated to include in one contract all the work on each job, in accordance with Federal requirements, instead of following the former practice of segregating the contracts. The program includes 171 elementary schools to be rehabilitated. An estimate of the materials required for this work follows: Cement, $830,280 sacks; sand and gravel, 184,620 tons; reinforcing steel, 4590 tons; structural steel, 20,-230 tons; lumber, 7,650,000 bd. ft.; plaster materials, $560,040; plumbing, heating and electrical materials, $52,-700, and roofing materials, $50,490. In the latter three classifications the sums do not include labor. In addition to these items it is estimated a small amount of masonry work and the usual hardware and building specialties will be required. Foundation materials are not included.

BIDS WANTED

SAN FRANCISCO — Until January 24, 1:30 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for tile work at the Portola Junior High School, Girard St., between Burrows and Bacon Sts. Work involves removal of tile on south wall in boys' lavatory on third floor; cut off float coat and relay same, using old tile as far as possible and replace broken and chipped tile with new tile of same size and manufacture.

PLANNED

BAKERSFIELD, Kern Co., Cal.—Union Avenue School District, Bakersfield, is considering a proposal to add several classrooms to the Union Ave. School. If the addition is built, Edwin J. Symmes, Haberfelde Bldg., Bakersfield, will probably be the architect.

TO MAKE SURVEY

MONROVIA, Los Angeles Co., Cal.—Monrovia Elementary School District has ordered the vacation of the main building at Wild Rose, Huntington, Ivy Avenue and Orange Avenue Schools until such time as the structures shall have been repaired or rebuilt. A preliminary survey of these buildings, to determine their earthquake resistance, was recently completed by Architcts Allison & Allison, who will later make recommendations as to whether the schools should be rehabilitated or razed and constructed anew.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $46,000
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building.
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.

Contract Awarded.

ALTER SCHOOL Cost, $3029
FRESNO, Fresno Co., Cal. C and Ventura Streets.
Alterations to school building.
Owner—Fresno City School District.
Architect—Not Given.
Contractor—E. J. Farr, 1296 Linden St., Fresno.

Plans To Be Approved Shortly.

GYMNASIUM Cost, $65,000
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced conc. and brick veneer gymnasium (171x235) reinf. concrete walls (separate gym. for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Slight revisions are being made in the plans which will be forwarded to Sacramento within one week for approval.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—State Division of Architecture has approved working drawings for reconstructing the new Science building at Woodrow Wilson High School in Long Beach, estimated to cost $33,-000. Approval is pending for reconstructing the original Science building and the Shop building, at estimated costs of $27,000 and $10,000 respectively. Plans for the Administration building and the Classroom building will be submitted to the division shortly. The former will cost approximately $90,000 and the latter $44,000. W. Horace Austin, 532 Chestnut Ave., Long Beach, is the architect; Francis H. Dloughy, 9273 Cordell Dr., Los Angeles, structural engineer.

SEEK FEDERAL AID.

LOS ANGELES, Cal.—Los Angeles board of education has applied to the Public Works Administration for grants to be used in financing the reconstruction of the following Los Angeles schools:

Brentwood school, 740 Amherst Ave.; grant, $7,946; H. A. Nelson, structural engineer. Total estimated cost $34,944.

Leland Street school, 22nd and Leland Sts., San Pedro; grant, $14,922; L. J. Waller, structural engineer. Total estimated cost, $48,832.

State Street school, 3211 Santa Ana St.; grant, $22,374; Holmes & Narver, structural engineers. Total estimated cost, $87,360.

Cabrillo Avenue school, 722 Cabrillo Ave., San Pedro; grant, $13,132; Ellis W. Taylor, structural engineer. Total estimated cost, $52,360.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $68,400
SAN FRANCISCO. Pierce and Larkin Streets.
Repairs to Redding elementary school.
Owner—City and County of San Francisco.
Engineer—C. H. Snyder, 251 Kearny Streets.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $69,400
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell high school.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $13,500
SAN FRANCISCO. Bayview School.
Repairs to school building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome.
Repairs to Washington Irving school.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.

Commissioned To Prepare Plans.

REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. bet. Powell and Stockton.
Repair and reconstruction of Commodore Stockton school.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.

SURVEY BEING MADE.

PALO ALTO, Santa Clara Co., Cal.—W. L. Huber, 1 Montgomery Street, San Francisco, has been commissioned by the Palo Alto Board of Education to make a survey of the high school buildings in Palo Alto to determine their safety and to make estimates of the necessary work.

Plans Awaiting Approval.

SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium); tile roof, steam heating system, wood floors, etc.
Owner — North Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will probably be asked within one week.

BIDS OPENED

SCHOOL Cost, $10,000
GRASS VALLEY, Nevada Co., Cal.
One-story Class C reinforced concrete shop building for school (3 rooms)
Owner—Grass Valley High School District.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Low Bidder—George Swanstrom, 1615 78th Ave., Oakland.
Following bids received:

George Swanstrom, Oakland	$6754
R. J. Minnie, Eureka	7140
H. Porter, Gerber	7988
H. Brindle	8116
E. T. Leiter & Son, Oakland	8937
H. H. Henning, Stockton	7500
F. Anderson, Sacramento	7626
Chas. Unger, Sacramento	7990
F. Fredtenick	8124

Heating

Luppen & Hawley, 3126 J St., Sacramento	$ 944
Alpha Hardware Co., Grass Valley	1072
G. O'Neill, Nevada City	1140
Scott Co., Oakland	1152
M. Mendenhall, Sacramento	1269

Bids held under advisement until January 17.

Plans Completed.

ADDITION Cost, $10,000
SALINAS, Monterey Co., Cal. Maple and California Streets.
Two-room addition to Lincoln School building (frame and stucco construction).
Owner—Lincoln School District.
Architect — Charles Butner, 51 Maple St., Salinas.
Plans have been forwarded to Sacramento for approval. Bids will be asked shortly.

SEEK FUNDS

Chowchilla Union High School District has applied to the Public Works Administration for a grant of $2055 to be used in financing the construction of a school building in Chowchilla. Total cost of the building is estimated at $8378. Mrs. George W. Hier is clerk of the board.

(3480) 15

Contracts Awarded.

SCHOOL Cost, $150,000
VANCOUVER, Washington.
Four-story reinforced concrete and brick school building, 150x150 feet (15 classrooms, auditorium, 90x100 feet, gymnasium, cafeteria, laboratories, etc.)
Owner—Vancouver High School Dist.
Architect — W. F. Higgins, Terminal Sales Bldg., and Donald J. Stewart, Seattle.
Contractor — Geo. Isaacson, Portland, $104,857.
Plumbing—Thomas Maddock, Camas, $6,674.
Electric—Morrison Electric Co., Portland, $8,826.
Heating and ventilating bids held under advisement. Lowest bid was submitted by C. H. Hastorf Co., Portland, at $28,285.

SEEK FUNDS.

LONG BEACH, Calif.—Long Beach City School District has applied to the Public Works Administration for a loan of $49,000 and a grant of $44,580 for financing the construction of the Burnett School, Linden and Hill Sts., Long Beach. Total estimated cost is $176,661. David E. Herrald, 732 Pine Ave., Long Beach, architect.

15

SEEK FUNDS.

LONG BEACH, Calif.—Long Beach City High School District has applied to the Public Works Administration for a loan of $98,000 and a grant of $32,700 for financing the construction of a new senior high school in Long Beach to be known as the David Starr Jordan High School. It will be located at Atlantic Avenue and 68th St. and will be a one-story structure, containing 16 classrooms, offices, laboratories, etc. Martin C. Parker, 1070 E Broadway, Long Beach is the architect.

15

Contract Awarded.

SCHOOL BLDG. Cont. Price, $3647
COALINGA, Fresno Co., Cal. Sunset School Site.
One-story frame and stucco kindergarten with patent shingle roof.
Owner—Board of Trustees, Coalinga Grammar School District.
Architect — W. D. Coates Jr., 626 Rowell Bldg., Fresno.
Contractor—R. P. Moore, 3662 Verrue St., Fresno.
(2749) 1st report Sept. 26; 5th Dec. 14, 1933. 15

PRELIMINARY PLANS APPROVED.

TORRANCE, Los Angeles Co., Cal.—The Los Angeles board of education has approved preliminary plans for reconstruction work at the Torrance elementary school Plans are being prepared by Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg., Los Angeles. Cost, $72,744.

Preliminary Plans Approved.

LOS ANGELES, Cal.—The Los Angeles board of education has approved preliminary plans for reconstruction work at the San Gabriel Avenue school. Plans are being prepared by Structural Engineer W. M. Bostock, 6723 Passaic, Huntington Park. Cost estimated at $28,000.

Construction Under Way.

ADDITION Cost, $4000
SANTA CLARA, Santa Clara Co., Cal.
One-story frame addition to shop.
Owner—Santa Clara Un. High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Work will be done by day's labor under CWA.

Planned.

IMPROVEMENTS Cost, $12,000
TAFT, Kern Co., Calif.
Alterations and additions to Conley School (raze second story and rebuild, etc.)
Owner—Taft School District.
Architect—Chas. H. Biggar, Haberfelde Bldg., Bakersfield.
Work will probably be done under the CWA.

PLANNED

PLACENTIA, Orange Co., Calif.—Placentia School District will apply to the Civil Works Administration for aid in constructing two new school buildings and for the construction of one structure damaged in the March earthquake. It is proposed to erect a four or five-rooom building on the Baker Street school site and a smaller building at the La Jolla school, both to be of wood frame and stucco construction. An architect has not been retained.

Plans Being Completed

REPAIR SCHOOL Cost, $114,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replace masonry, etc).
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Plans will be completed in about three weeks.

TO MAKE SURVEY.

SAN LEANDRO, Alameda Co., Cal. The State Board of Architecture will survey all the schools in San Leandro to determine their safety and to report on necessary improvements.

PREPARING PLANS

EL MONTE, Los Angeles Co., Cal.—Architect Joseph Weston, Room 22, Science Bldg., El Monte High School, has been instructed by the El Monte Union High School District to proceed with the preparation of plans, specifications and cost estimates for proposed repairs to the El Monte High School buildings. Upon completion of the plans, probably about February 1, they will be submitted to the State Division of Architecture for approval after which application will be made to the Civil Works Administration for the necessary funds to finance the improvements, estimated at $75,000.

PLANNED

SANTA ANA, Orange Co., Cal.—Santa Ana Board of Education has abandoned plans for the plebiscite called for January 23 and will proceed with rehabilitation plans for both the high school and junior college district buildings and those of the elementary school district. The work will be financed from the R.F.C. earthquake reconstruction fund, $615,000 having recently been allotted for Santa Ana school repairs. Allison & Allison, Edison Bldg., Los Angeles, are the architects for the high school and junior college building repairs and Frederic H. Eley, 109 Orange Ave., Santa Ana, is the architect for the elementary school repairs.

BOND ELECTION

BUTTONWILLOW, Kern Co., Cal.—Buttonwillow Union School District will hold an election on February 5 at which time it is proposed to vote bonds in the sum of $9000, the proceeds to be used to secure a loan recently approved by the Public Works Administration for financing the construction of an addition to the Buttonwillow school. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, is the architect. Date was previously reported as January 23.

ASK FEDERAL AID.

LONG BEACH, Los Angeles Co., Cal.—Long Beach City High School District has applied to the Public Works Administration for a grant of $225,738 to be used in financing reconstruction of Polytechnic High School in Long Beach. Total estimated cost of the work is $39,495, balance of the financing having been secured from the sale of bonds. The new plant will provide 73 classrooms, 7 laboratories, a music hall, 10 shops, 2 gymnasium floors, a swimming pool, a cafeteria and orthopedic rooms. Cubic contents will total 4,576,115 ft. Hugh R. Davis, 430 E Ocean Blvd., Long Beach, architect.

BIDS WANTED.

OAKLAND, Cal.—Until Jan. 23, 4 P. M., bids will be received by John W. Edgemond, Secretary of the Board of Education, Oakland High School District, Room 104, Administration Bldg., Oakland, under Schedule No. 20, for assembly chairs, bentwood chairs and tablet arm chairs. Specifications on file at the office of the Director of Purchasing, Room 115, Administration Bldg., Oakland.

TO MAKE SURVEY

WATSONVILLE, Santa Cruz Co., Cal. — Watsonville Elementary and High School Boards will ask the bureau of Architecture to make a survey of all schools in Watsonville to determine their safety and report on necessary repairs and reconstruction.

Commissioned To Prepare Plans.

SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Powell and Mason Streets.
Repairs and reconstruction of school building.
Owner—City and County of San Francisco.
Architect and Engineer—W. P. Day, Financial Center Bldg., S. F.

Commissioned To Prepare Plans.

SCHOOL REPAIRS Cost, $28,000
SAN FRANCISCO. Golden Gate Ave. Bet. Scott and Pierce Sts.
Repairs and reconstruction of school building.
Owner—City and County of San Francisco.
Engineer—A. P. Fisher, 111 Sutter St. San Francisco.

Preparing Preliminary Plans.

SCHOOL Cost, $110,000
MARIPOSA, Mariposa Co., Cal.
One and two-story reinforced concrete high school (5 classrooms, auditorium to seat 300, bookkeeping room, science room, etc.); tile roof, steam heating system, etc.
Owner—Mariposa County High School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.

ASK FEDERAL AID

DALY CITY, San Mateo Co., Cal.—Jefferson School District, San Mateo County, has applied to the Public Works Administration for a loan of $65,100 and a grant of $27,900 for

financing the construction of three one-story, wood frame and stucco school buildings in Daly City. Total estimated cost of the structures is $105,000.

16—BANKS, STORES AND OFFICES

To Be Done By Day's Work.
ALTER STORE Cost, $4000
SAN FRANCISCO. No. 220 Grant Avenue.
Alterations to store building.
Owner—Lerner Stores Corp., 354 4th Ave., New York City.
Plans by Engineering Dept. of Owner.

Sub-Contracts Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. No. 1215 Washington Street.
Alterations to store building for millinery shop.
Owner—Alexander's Inc., 438 Kearny St., San Francisco.
Architect—Not Given.
Contractor—S. Kulchar & Co., 731 E-Tenth St., Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
Iron Work—Herrick Iron Works, 18th and Campbell Sts., Oakland.
Terrazzo Work—Oakland Concrete & Terrazzo Co., 2227 Market St., Oakland.

AWARD.
SAN DIEGO, Calif.—M. H. Golden, 404 California Bank Bldg., San Diego, awarded a contract for construction of a tire store and service building on Broadway, bet. First and Union Sts., San Diego, for the U. S. Grant Auto Equipment Co., 801 Front St., San Diego. It will be a one-story, L-shaped structure, extreme dimensions 200x200 ft.; steel frame, concrete and tile construction, plastering, cement floors, metal doors and windows, electrical work, plumbing, etc. Plans were prepared by the engineering department of the Firestone Tire and Rubber Co., Los Angeles.

Planned.
STORE BLDG. Cost, $10,000
YUBA CITY, Sutter Co., Cal. No. 650 Plumas Street.
Two-story brick store building (50x 100 feet).
Owner—Harry H. Ham, Yuba City.
Architect—Not Given.
Lessee—Sprouse-Reitz Co., Portland.
Present buildings on site will be razed immediately. Further details will be announced shortly.
(3491) 16

Sub-Contracts Awarded.
REPAIR STORES Cost, $7000
SAN FRANCISCO. No. 236-246 Jackson Street.
Repair fire damage to store building.
Owner — Mrs. Smith, % Contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Lumber—Loop Lumber Co., Central Basin.
Plumbing — Rodoni-Becker Co., 455 Tenth St.
Elevator—Otis Elevator Co., 1 Beach Street.
Electric — Golden Gate Electric Co., 1526 California St.
Roofing—James Cantley Roofing Co., 666 Mission St.
Glass—Habenicht & Howlett, 529 Clay Street.
(3451)1st report Jan. 10, 1934 16

Sub-Bids Wanted.
ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Calif. 1445 Oak Street.
Repairs to building.
Owner—Nucleus Bldg. & Loan Assn., 6 N First St., San Jose.
Plans by Owner.
Contractor—W. James Johnston, 220 Santa Rosa Ave., Oakland.
Sub-bids are wanted on elevator repairs, sheet metal work, gas vents, rebuilding elevator cage, exterior cornice, hardwood floors, apartment mail boxes, glass and glazing, roofing (terra cotta tile and tar and gravel) waterproofing, balcony floors, and plastering.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Cal. No. 371 30th Street.
Alterations and additions to building.
Owner—Dr. F. J. Carlson, 207 Wakefield Bldg., Oakland.
Architect—Not Given.

Bids Opened.
AUTOMOBILE BLDG. Cost, 25,000
SAN JOSE, Santa Clara Co., Cal. 405 W Santa Clara Street.
One-story brick automobile building (107x250 ft.) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin, San Jose
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.

Structural Steel
Engfer Iron Works, 535 W San Carlos St., San Jose ..... $ 659
R. Hellwig Iron Works, San Jose 893
Truscon Steel Co., S. F. 1,011

Brick Work
Harry Rediker, Meridian Road, San Jose $1,775
Fred Filben, San Jose 1,850
J. Prout, San Francisco 2,275
H. C. Miller, Santa Clara 2,721

Sheet Metal
Western Sheet Metal Works, 393 W Santa Clara, San Jose ..... $ 847
W. E. Wood & Co., San Jose 633
Henry Eizert, San Jose 663
Wm. Ehlert, San Jose 699
H. J. Pascoe, San Jose 809
Wm. Serpa, San Jose 840

Plastering
Victor Plummer, 325 N 18th St., San Jose ..... $ 847
H. C. Miller, Santa Clara 865
J. C. Chirl, San Jose 922
A. B. Brownlea 950
D. J. Evans, San Jose 1,042
Mike Bortolon, San Jose 1,893

Electric
Schutte Bros., 37 Fountain St., San Jose $1,729
Guilbert Bros., San Jose 1,783
Ray M. Butcher, San Jose 1,841
S. & K. Electric Co., San Jose .. 2,115

Plumbing
Wm. Serpa, 497 N 13th St., San Jose $1,150
Wm. Ehlert, San Jose 1,229
H. J. Pascoe, San Jose 1,558

Glazing
Sylvain Le Deit, 762 Lenzen Ave. San Jose $1,339
Cobbledick-Kibbe Glass Co., San Francisco 1,462

Roofing
Farmers Union, 151 West Santa Clara St., San Jose $1,686
Fred. Hayden, San Jose 1,726
Star Roofing Co., San Jose 1,729
California Roofing Co., San Jose 1,784
As previously reported, carpentry, etc., awarded to C. A. Thomas, 127 Clayton Ave., San Jose, at $7,736.
Awards on other portions of the work will be made shortly.

Sub-Contracts Awarded.
STORE Cost, $7500
OAKLAND, Alameda Co., Cal. Lakeshore Boulevard.
One-story reinforced concrete store building (50x80 ft.) wood trusses, tar, gravel and composition roof, Vitrolite front, metal sash bars.
Owner—L. B. Hoge.
Architect — Ray Keefer, 770 Wesley St., Oakland.
Structural Engineer — V. Poss, 2929 Russell St., Berkeley.
Contractor — C. H. Thrams, 28 Home Place, Oakland.
Electric—E. L. Reed, 3515 Porter St., Oakland.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Steel Sash and Glass—East Bay Glass Co., 621 6th St., Oakland.

Contract Awarded.
STORE Cost, $——
POMONA, Los Angeles Co., Cal.
Two-story and basement and mezzanine floor store building (steel frame, wood joists, reinforced concrete footings).
Owner — Montgomery Ward & Co., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—R. Westcott Co., 536 S-Broadway, Pasadena.

Contract Awarded.
ALTER STORE Cont. Price, $20,650
STOCKTON, San Joaquin Co., Cal. California and Main Streets.
Alterations to three-story and basement brick and stucco store building (work involves excavation, changes in display windows, install elevator, additional heating and ventilating facilities, same new plumbing, fixtures, etc.)
Owner—J. C. Penny Co., 19 N. Sutter St., Stockton, (A. E. Rembolt, Mgr.)
Plans by Engineering Dept. of Owner.
Contractor—John Hackman, Borden Highway, Stockton.
Following bids received:
John Hackman, Stockton $20,650
F. Brown, Stockton 22,592
E. H. Riley, Stockton 22,742
Lewis & Green, Stockton 23,907

17— THEATRES

PREPARING PLANS.
COMPTON, Los Angeles Co., Cal.—W. Allen, 1008 Washington Bldg., Los Angeles, is preparing plans for a theater building to be built at 134 East Compton Blvd., Compton, for August Frankl, Sunset Theatres Co., lessee. The structure will have a seating capacity of 800 and will contain stores and offices. Reinforced concrete construction, composition roofing, concrete floors, structural steel, plate glass, etc.

PLANNED
MARTINEZ, Contra Costa Co., Cal.—Ralph R. Arnold, County CWA Director, has asked federal CWA officials for approval of the construction of an amphitheatre at the Martinez Junior High School. If approval is granted an architect and engineer will be selected within a few days.

Planned.
THEATRE Cost, $——
STOCKTON, San Joaquin Co., Cal. Site not selected.
Theatre building.
Owner—Withheld.
Architect—Not Given.
Real Estate Agent—Ouilahan-Hobin Co., 125 San Joaquin St., Stockton
(3493) 17

Construction To Start Immediately.
ADDITION Cost, $7000
PALO ALTO, Santa Clara Co., Cal. No. 1305 Middlefield Road.
Second wing addition to theatre (frame and stucco construction, tile roof); two meeting rooms and kitchen.
Owner—Palo Alto Community Theatre
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Mgr. of Constr.—Wells P. Goodenough 310 University Ave., Palo Alto.
Work will be done under the CWA.

19—MISC. CONSTRUCTION

Planned.
SILOS Cost, $100,000
PORTLAND, Ore. Willamette River.
Construct approximately 10 reinforced concrete silos.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner.

Planned.
STADIUM Cost, $——
PORTLAND, Oregon. Site to be selected.
Construct new steel and concrete stadium.
Owner—Portland Club (Tom L. Turner, Owner), 801 Vaughn St., Portland, Oregon.
Architect—Charles Ertz, Pittick Blk., Portland, Oregon.

Contract Awarded.
BRIDGE Cost, $3000
SAN FRANCISCO. Stockton St., bet. North Point and Bay Streets.
Steel bridge steel truss, steel columns concrete flooring, steel sash, etc.)
Ownr—Simmons Company of California, 295 Bay Street.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Sketches Prepared.
SWIMMING POOL Cost, $75,000
HAYWARD, Alameda Co., Cal.
Municipal swimming pool.
Owner—City of Hayward.
Architect—James Narbett, 474 31st St., Richmond.
City of Hayward has applied to the Public Works Administration for a grant of $25,000. If this is granted it is proposed to call an election to vote bonds in the amount of $52,000.

CONTRACT AWARDED
SUNNYVALE, Santa Clara Co., Cal. —Electrical Products Co., 255 Golden Gate Ave., San Francisco, at $7888 awarded contract by Navy Department for two indicating system, Neon gas illuminated, signs for the north and south landing fields at the Naval Air State, Sunnyvale. The work includes concrete footings, reinforcing steel, galvanized steel and iron, anchor bolts, galvanized sheet iron housing for electrical work and forming background of Neon tubes, electrical work, Neon gas illuminated tubes and painting.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Bennett & Taylor, 1978 South Los Angeles St., Los Angeles, at $7448 awarded contract by War Department for the construction of the Q. M. gasoline dispensing system at Hamilton Field.

PPEPARING PLANS
LOS ANGELES, Cal. — Architect Donald R. Wilkinson, 201 S. Avenue 66, is preparing plans for a group of commercial and residential buildings to be erected in the area bounded by Ord, Alameda, New High and Alpine Sts. The project will be financed by a corporation now in the process of formation and to be headed by George L. Eastman, 1111 Highland Ave. The buildings, which will be masonry structures costing approximately $750,000, will provide quarters for the Chinese residents of Los Angeles.

BIDS OPENED
LOS ANGELES, Cal.—Lowrey-Michel, Inc., 801 S. Pacific Blvd., San Pedro, submitted low bids to Los Angeles harbor department for furnishing and installing public address system for municipal navy landing at Berths 56 and 57, Los Angeles Harbor. Bids follow:
Lowrey - Michel, (1) trumpet-type speakers for control of navy traffic aid dynamic speakers for waiting room, $2300; (2) dynamic-cone, projection-baffle, or exponential type speakers for navy traffic and dynamic speakers for balance, $2300.
W. F. Ludlum, 3507 Marathon St., Los Angeles, (1) no bid; (2) $2435.
Interphone Electric Co., 5510 Monte Vista St., Los Angeles, (1) $4925.45; (2) $4650.20. Operadio system, (1) $4634.52; (2) $4218.56.
Bids referred to general manager of the department.

PLANNED
LOS ANGELES, Cal. — Southern California Edison Co., Edisn Bldg., has budgeted $1,500,000 for new construction for 1934, the funds to be used almost entirely for extension of distribution lines where and when required. No new building construction is proposed.

Prospective Bidders.
ADDITION Cost, $125,000
SEATTLE, Wash. Foot of Massachusetts Street.
Construct twenty large concrete storage bins (100 feet in height) bins to be supported by concrete capped piling, 60 piles to a bin.
Owner—Carnation Albert Bros. Milling Co., Stuart Bldg., Seattle.
Plans by John S. Metcalf Co., Ltd., (grain elevator designers), Vancouver, B. C.
Following will submit bids. Bids to be opened January 17:
Sheble Constr. Co., Securities Bldg., Seattle.
Teufel & Carlson, Skinner Bldg., Seattle.
MacDonald Engineering Co., Kansas City.
Alloway & George, Tacoma.
A. W. Quist & Co., Exchange Bldg., Seattle.
Albertson & Cornell Bros., Tacoma.

Foundation Contract Awarded.
GRAIN ELEVATOR Cost, $1,000,000
VANCOUVER, Wash.
Construct concrete grain elevator (work involves pile driving, etc.) capacity of 2,000,000 bushels.
Owner—Spokane, Portland and Seattle Railway Co., Commerce Bldg., Portland (A. J. Winchell, Asst. Supt.)
Plans by John S. Metcalf Co., Chicago.
Foundations — Parker-Schram Co., Couch Bldg., Seattle.
Foundation contract involves placing 4600 piles, 36,000 yds. of excavation, etc., at a cost of $75,000.
Bids for the general construction will be asked about March 15.
(3492) 1st report Jan. 11, 1934. 19

BIDS WANTED.
BERKELEY, Alameda Co., Calif.—Until January 26, 11 A. M., bids will be received by the Regents of the University of California, Berkeley, for the construction of an experimental house "E" at the Poultry Research Station, University of California, Berkeley. Plans and specifications available from Cashier's Window, University of California, Berkeley, upon deposit of $10.00.

AWARD
ARCADIA, Los Angeles Co., Calif. —Lindgren & Swinerton, 523 W. Sixth St., Los A9ngles will be the contractors for the horse racing plant to be erected on a 215-acre site at the intersection of Colorado Blvd and Huntington Drive, Arcadia, for the Los Angeles Turf Club; Gwynn Wilson, business manager, Ovlatt Bldg., Los Angeles. Work on the plant, will represent an investment of $8000,000, is scheduled to start about February 15 and will be completed by December 15. Building details have not been fully determined but will be announced within a few days, when an architect will probobly have been retained to design the structure.

BIDS WANTED.
PEARL HARBOR, T. H.—Until Feb. 28, 11 A. M., bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for steel frame building with asbestos covered metal roofing and siding and concrete foundation; steam generating plant consisting of two 150-horse power cross-drum, watertube boilers, brick settings, and complete oil and water heating and pumping equipment, piping and electrical work; steel stack, and oil storage tank at the Naval Fleet Air Base, Pearl Harbor; Spec. No. 7438. Plans and specifications available from above office and from Commandant 14th Naval District, Pearl Harbor, or from Commandant, 12th Naval District, 100 Harrison St., San Francisco, upon deposit of $10.00.

BIDS OPENED
SAN FRANCISCO — The following bids received by the U. S. Forest Service, 85 Second St., San Francisco, for furnishing steel lookout towers, to be delivered by February 15, as follows:
(1) 1 20-ft. hteel lookout tower (for Digger Butte, Lassen National Park);
(2) 3 30-ft. steel lookout towers (one for each of the following locations)
(2-a) Inskip, Lassen Nat'l. Park.
(2-b)Sunset Hill Pumas National Park.
(2-c) Red Hill, Plumas National Park;
Complete bids follow:
Dyer Bros., San Francisco, (1) $375; S. F.; (2) $1694 (lump sum for 3 towers, f.o.b. S. F.)
Schrader Iron Works, San Francisco. (1) $430, S. F.; $462 Red Bluff (2a) $558 S. F.; $590, Chico; (2-b) $448, S. F.; $588 Oroville; (2-c) $558, S. F.; $598, Virgilia.
Sims & Gray, S. F.: (1) $460, S. F.; 2-a) $558, S. F.; (2-b) $558, S. F.; (2-c) $558, S. F.
Herrick Iron Works, Oakland: (1) $448 Oakland; $516, Red Bluff; (2-a) $660, Oakland; $696, Chico; (2-b), $6[illegible], Oakland; $690, Oroville; (2-c) $660, Oakland; $710, Virgilia.
Independent Iron Works, Oakland; (1) $491, Oakland; $524, Red Bluff; (2-a) $619, Oakland; $653, Chico; (2-b) $619, Oakland, $651, Chico; 2-c) $619, Oakland; $683, Virgilia.
Nigg Engr. Corp., Covina: (1) $498; (2-a) $784; (2-b) $784; (2-c) $784; (all f.o.b. Covina).
Pennsylvania Iron & Steel Co., L. A.: (1) $518; (2-a) $774; (2-b) $774; (2-c) $774; (all f.o.b. L. A.).
Golden Gate Iron Works, S. F.; (1) $526; (2-a) $620; (2-b) $620; (2-c) $620; all f.o.b. S. F.)
Judson-Pacific Co., S.: (1) $564, Emeryville; $606, Red Bluff; (2-a) $680, Emeryville; $714, Chico; (2-b) $680, Emeryville; $714, Oroville; (2-c) $680, Emeryville; $731, Virgilia.
Hulsey Mach. & Mfg. Co., San Bernardino; (1) $566, San Bernadrino; $657, Red Bluff; (2-a) $809, San Bernardino; $914, Chico; (2-b) $809 San Bernardino; $980, Oroville; (2-c) $809, San Bernardino, $951, Virgilia.
International Derrick & Eng. Co., Torrance: (1) $605, Torrance; $707, Red Bluff; (2-a) $655, Torrance;

$783, Chico; (2-b) $655, Torrance; $784, Oroville; (2c) $655, Torrance $784, Virgilia.
Star Ornamental Iron Co., S. F.: (1) $625; (2-a) $705; (2-b) $705; (2-c) $705; (all f.o.b. S. F.)

BIDS WANTED

SAN JOSE, Cal. — Until February 13, 8 P. M., bids will be received by Walter L. Machrodt, Secretary, San Walter L. Bachrodt, Secretary, San of a frame dwelling at 575 N-Eleventh St., adjacent to the Grant School in San Jose. Specifications may be obohtained from the office of the Superintendent of Schools, San Jose.

PLANS ON FILE

BOULDER DAM — Drawings and specifications for Emergency Gates and Needle Valves for Canyon Wall Outlet Works, Boulder Dam, Boulder Canyon Project, Specification No. 562, bids for which will be opened by the Bureau of Reclamation, Denver, Colorado, February 5, 2 P. M., (as previously reported), are on file at the office of the DAILY PACIFIC BUILDER. Following is a description of the 96-in. paradox emergency gates:

The paradox emergency gates (12 to be furnished) will be used for protection, inspection, and maintenance of the 84-in. needle valves, and under normal operating conditions, will be closed or opened with no flow through the conduits and with balanced pressures on the two sides of the gates. In the event of an emergency, the gates may be operated under a maximum pressure of 174 lbs. per square inch with a flow of 4000 cubic feet per second through each gate, and are designed for prompt and safe closure under these conditions. The gates will be installed in the canyon wall valve houses, at the lower ends of the outlet conduits and will be embedded in concrete. A short length of 96-in. diameter conduit lining will connect each gate with an internal differential needle valve. Each gate will consist of a semisteel housing enclosing a follower ring type of gate leaf, the gate being installed in a vertical position with the hoisting mechanism installed on the upper bonnet cover. The leaf will be raised to open and lowered to close, by means of two gate stems passing through stuffing boxes in the bonnet cover. The upper ends of the stems will be threaded and will engage hoist nuts fixed in tubular driving members which will be attached, at the lower end, to bevel gears. The bevel gears will rest on ball bearings supported on the top of the bonnet cover hoist case and will be driven through bevel pinions fixed to each end of the motor shaft. Wedge shaped roller racks will be so arranged as to allow the gate leaf to bear on bronze seats on the housing when in the closed position and to lift the leaf off its seat and support it on the roller trains while being raised to open. The hoist stems will be fixed at their lower ends to a crosshead which will be connected at either end to the roller carriages at each side of the leaf. The crosshead will also be connected to the leaf by toggles which will be maintained in their elongated position until the leaf is seated on the top at the bottom of the travel at which time the toggles will be allowed to expand and permit the continued downward motion of the crosshead. This continued downward movement of the crosshead will force the inclined roller train or wedge in each carriage downward and allow the gate to move slightly downstream and bear on the seats on the housing. In opening, the operation will be reversed, the crosshead moving upward will cause the inclined roller train to contact the wedge track on the leaf, forcing the leaf away from its seats, and the continued movement of the crosshead will raise the leaf to the open position. An air inlet manifold will admit air into the conduit below the gate leaf when opening or closing, preventing formation of a partial vacuum. A flanged pipe connection in the lower bonnet cover will permit flushing the lower gate bonnet. A by-pass connection will provide for balancing the pressure on the two sides of the gate previous to opening.

Following is a description of internal differential needle valves (12 to be furnished):

The 84-in. internal differential needle valves will be used for the purpose of regulating the discharge of water from the reservoir. They will normally be operated under heads varying from 160 to 320 feet under free discharge conditions, but are designed for similar conditions under a maximum head of 430 feet. Operation will be by means of the regulation of pressure within the interior body, whereby differential pressure will be created on opposite sides of stationary and movable parts for moving the plunger to open or close the valve as desired, and by so balancing these internal pressures that the plunger will remain stationary at any desired position, for regulation of the discharge through the valve. Control will be by means of a hand wheel mounted on an independent operating stand above the valve, on the operating floor of the valve house. Each valve will be protected by a 96-in. paradox emergency gate, to permit inspection and maintenance. Items 2 and 3 of the schedule are prepared to provide for bids on alternative designs of valve bodies and nozzles. Under item 2 the bodies and nozzles will be of cast-steel and under item 3 the bodies and nozzles will be of welded cast and plate-steel construction.

PLANNED.

DUNCAN, Ariz.—The Southern Pacific Co. will start work immediately on the diversion project about a mile southeast of Duncan. Work consists of changing the channel of what is known as the Rainville Wash to a new course, thus straightening it directly to the Gila river. The State Highway Department will construct a bridge over the new channel when the work is sufficiently completed. The railroad company also plans to construct a corru. iron open flume across the wash a short distance from the present bridge to carry the water of the Duncan canal.

PLANNED.

VALLEJO, Solano Co., Calif.—City Engineer T. D. Kilkenny has recommended to the Vallejo City Council that application be made to the CWA for funds to finance the improvement of a municipal airport. A survey of the land has been made and plans completed. City council has instructed City Engineer Kilkenney and City Attorney R. F. O'Hara to consult the proper authorities and secure more information. The work will include digging of drainage ditches, leveling the land, grading two runways, etc. Estimated cost, $15,143.

FUNDS APPLIED FOR

LOS ANGELES, Cal.—The Los Angeles County Supervisors authorized E. C. Eaton, County Flood Control Engineer, 602 Civic Center Bldg., Los Angeles, to file an application with the Civil Works Administration for funds to finance the construction of debris basins and permanent channels (including labor, materials and equipment), on the following streams:
Verdugo Wash, from Debris Basin to the Los Angeles River.
Pickens Canyon Wash.
Halls Canyon Wash.
Dunsmuir Canyon Wash.
Shields Canyon Wash.
Cooks Canyon Wash.
Blanchard Canyon Wash.

Estimated labor cost, $2,584,526; estimated material and equipment cost, $415,336.

AWARD.

BOULDER CANYON, Nev.—Haughton Elevator & Machinery Co., 679 Spencer St., Toledo, Ohio, at $20,267 (f.o.b. Toledo) awarded contract by Bureau of Reclamation for furnishing and installing two automatic push-button type electric elevators, under Spec. No. 555.

BIDS WANTED.

SAN FRANCISCO.—Bids are being received by the Real Estate Department, Room 375, City Hall, for alterations and additions to the building just beyond the county line in Daly City. Work involves removal of approximately six feet of front of building, addition to other portions, new roof, etc. Work is being done in connection with the widening of Mission Street. Estimated cost, $7,000.

BIDS WANTED

OROVILLE, Butte Co., Cal.—Bids are being received by the Custodian, Oroville Post Office, for seeding and planting grounds of the Oroville Post Office. Date of opening bids not yet set.

BIDS WANTED

MARYSVILLE, Yuba Co., Cal.—Bids are being received by the Custodian, Marysville Post Office, for seeding and planting grounds of the Marysville Post Office. Date of opening bids not yet set.

BIDS OPENED

MARE ISLAND, Cal.—Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco, at $25,950 submitted low bid to Public Works Officer, Mare Island, for two 200 hp. boilers to furnish steam service for quay wall at Mare Island, involving boilers, settings, fuel oil pump, feed water pump and appurtenances. Spec. No. 7588. Following bids received:

Alta Electric & Mechanical Co., San Francisco	$25,950
R. G. Meyler Corp., L. A.	31,700
Herman Lawson, San Francisco	32,600
Calif. Steel Products Co., Los Angeles	33,978

Bids referred to Washington for award.

BIDS WANTED

SAN JOSE, Santa Clara Co., Cal.—Until February 13, 8 P. M., bids will be received by Walter L. Bachrodt, Secretary, San Jose Board of Education for the removal of a frame dwelling at 575 N. Eleventh St., adjacent to the Grant School in San Jose. Specifications may be obtained from the office of the Superintendent of Schools, San Jose.

Planned.

POOL, ETC. Cost, $——
BOYES SPRINGS, Sonoma Co., Cal.
Construct new swimming pool and golf practice field.
Owner — Sonoma Mission Inn (Mrs. Emilie Long) Sonoma Mission Inn, Boyes Springs.
Architect—Not Selected.
It is expected to proceed with the work about February 15.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED.

LAKEPORT, Lake Co., Cal.—Melvin W. Prather, Lakeport, at $0.057 per gal. awarded contract for fur-

nishing Diesel oil for the court house. Independent Gas & Oil Co. bid $0.0573 per gal.

CONTRACT AWARDED.

FOLSOM, Sacramento Co., Calif.—Palm Iron Works, 15th and S Sts., Sacramento, at $1,298 awarded contract by State Purchasing Department for miscellaneous iron for the Folsom State Prison. Complete bids published January 12.

CONTRACT AWARDED

GLENDALE, Los Angeles, Co.,Cal.—Anaconda Wire & Cable Co., 385 E. 2nd St., Los Angeles, awarded contract by Glendale City Council, Jan. 11 at $15.99 cwt., for 40,000 lbs of No. 2/O B&S gauge, standard, 7-strand, TBWJ, medium hard drawn copper wire.

BIDS OPENED

SAN FRANCISCO—The following bids received by T. A. Brooks, Purchasing Agent, San Francisco, for furnishing redwood ties, under Bid No. 1137:

(1) 10,000 6-in.x8-in.x9-ft. #1 Split Cal. redwoood cross ties;
(2) 45 6-in.x8-in.x9-ft. #1 split or sawn do;
(3) 43 6-inx8-in.x10-ft #1 do do;
(4) 28 6-in.x8-in.x11-ft. #1 do do;
(5) 2 6-inx8-in.x12-ft. #1 do do;
(6) 2 6-in.x8-in.x13-ft. #1 do do;
(7) 2 6-in.x8-in.x14-ft. #1 do do;

Christenson Lumber Co. (1) $21.45 (all items; C. Bull, $25.15 (all items); Cal. Tie & Lumber Co., (1) $23.50 and (2) to 7) $40; C. R. McCormick Lbr. Co. (1) $25.10; (2) to 7 $30.10; Gamerston Green (1) $20.95; (2 to 7) $26.50 C. Nelson, (1) $21.30 (2 to 7) $34.45; Loop Lumber Co., (1) $22.85, (2 to 7) $28.85; A. F. Mahoney Co., (1) $25.10, (2 to 7) $30.10; C. J. Persual, (1) $25.12, (2 to 7) $30; McDonald & Harrington (1) $20.22, (2, 3, 4) $36.90, (5, 6, 7) $36.10.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchasing Agent, San Francisco, for furnishing rail, spikes and track bolts for Municipal Railway, under Bid No. 1135:

Unit bids follow:

(1) 500 gross tons grooved girder rail, Sec. 110-545 without plate-drilling (per ton);
(2) 180 gross tons grooved girder rail Sect. 105-484 without plate drilling (each);
(3) 19,000 tie plates for rail section 110-545 (each);
(4) 125 kegs track spikes (per keg);
(5) 1900 tie rods (each);
(6) 10 kegs 1-in. x 4½-in. track bolts (per keg);
(7) 3 kegs 1-in. x 5-in. track bolts (per keg);
(8) 500 each 1-in. x 7½-in. track bolts (each holt).

Complete bids follow:

Columbia Steel Co., San Francisco (1) $71.47; (2) $72,47; (3) 40.50; (4) 6.60; (5) $0.563; (6) $17.3645; (7) $18.7515.

Pacific Coast Steel Corp., S. F. (1) $70.55; (2) $71.55; (3) $49.934; (4) $2.625; (5) $0.324; (6) $4.125; (7) $4.125; 8) $4.125.

United Commercial Co., S. F. (1) $—; (2) $—; (3) $.09; (4) $5.00; (5) $—; (6) $11.50; (7) $11.50; (8) $—.

Baker-Hamilton & Pacific Co., S. F. (1) $—; (2) $—; (3)—; (4) $5.25; (5) $—; (6) $8.25; (7) 8.25; (8) $9.817.

Kortick Mfg. Co., S. F. bid on item 5 only at $0.4837.

BIDS OPENED.

LOS ANGELES, Cal.—The following bids received by the U. S. Forest Service, 751 S Figueroa St., Los Angeles, for furnishing 600 poles, 20 feet fully treated, 4-in., 5-in. diameter at top, delivered by rail to Kemp Siding; Bid No. D. P. M. No. 44:

Texas Creosoting Co., $2.20; total $1320 net.

General Electric Co., $2.21; total $1326 net.

Graybar Electric Co., $2.21; total, $1326 net.

National Lumber & Creosoting Co., $2.40; total, $1440; 1%, 10 days.

Joslyn Co., 375 poles at $2.21 each, and 225 poles at $2.75 each, net.

Pan-Pacific Piling & Const. Co., $2.-53; total $1518, net.

Chas. R. McCormick Lumber Co., $2.73 (imported creosote); total, $1,-638; $2.88 (domestic creosote); total $1728; net.

Consolidated Lumber Co., $3.05, total, $1830, net.

J. H. Baxter Co., $3.25; total $1950, net.

McCormick Supply Co., $2.56 f.o.b. Milwaukee, Ore., $3.80 delivered; 2%.

BIDS OPENED

LOS ANGELES, Cal.—The following submitted identical bids to A. J. Holm, Los Angeles City Purchasing Agent, at prices shown below, for furnishing Water and Power Department with 12,500 bbls. tested Portland cement in quantities specified during a period of 90 days beginning January 30, 1934, or with date of contract, if subsequent thereto, under Spec. No. 3283:

(1) Furnishing and delivering 12,500 bbls. tested Portland cement, packed in paper bags of 94 lbs. each, in truck load lots f.o.b. the vicinity of, or in cardoad lots f.o.b. at the following locations: (a) Boulder City, Nev., (b) Jean, Nev., (c) Reach, Nev., (d) Silver Lake, Calif., (e) Dunn, Calif., (f) Mannix, Calif., (g) Yermo, Calif., (h) Victorville, Calif.;

(1 Alt.) Furnishing and delivering 12,-500 net bbls. of tested Portland cement f.o.b. cars, Victorville, Calif.

Complete bids follow:

California Portland Cement Co., Los Angeles.

Blue Diamond Corp., Los Angeles.

Southwestern Portland Cement Co., Los Angeles.

Monolith Portland Cement Co., Los Angeles.

Riverside Cement Co., Los Angeles.

Unit prices (per bbls.) follow:

(1a) $3.18, (1b) $3.10, (1c) $3.10, (1d) $3.30, (1e) $2.89, (1f $12.89, (1g) $2.68, (1h) $2.22; (1 Alt.) $2.22. Terms, 10¢ per bbl. 15th prox.

BIDS OPENED

SAN FRANCISCO — The following bid were received by T. A. Brooks. Purchaser of Supplies, 270 City Hall, for furnishing 30,000 redwood ties (at the mill) for Hetch Hetchy Project, under Invitation Bid No. 1139:

Gamerston & Green, 112 Market St., $26,250.

Hobb-Wall & Co., San Francisco, $29,-400.

James L. Hall, San Francisco, $30,810.

J. R. Hanify Co., San Francisco, $31,-680.

W. E. Innes Lumber Co., San Francisco, $31,977.

The following identical bids received at $31,977.60:

Andrew F. Mahoney Co., San Francisco.

Chas. R. McCormick Lumber Co., San Francisco.

The following identical bids received at $31,980:

E. K. Wood Lumber Co., San Francisco.

Pacific Lumber Co., San Francisco.

Christenson Lumber Co., San Francisco.

Loop Lumber Co., San Francisco.

Hammond Lumber Co., San Francisco.

McDonald & Harrington, Ltd., 16 California St., San Francisco, submitted bid on 15,000 ties **(at the mill)** for $15,822.

Standard Lumber Co., San Francisco, submitted bid at $33,960.

REJECTION RECOMMENDED

GLENDALE, Los Angeles Co., Cal.—E. C. Eaton, 603 Civic Center Bldg., County Flood Control Engineer, has recommended that the County Board of Supervisors reject all bids received January 2, for furnishing reinforcing steel and Portland cement for use in the construction of a concrete conduit on Verdugo Wash between Brand Blvd. and Pacific Ave., Glendale.

SAN BERNARDINO, Cal. — Geo. Herz & Co., Platt Bldg., San Bernardino, at $25,000 awarded contract by the City Council of San Bernardino for furnishing concrete pipe for the construction of the Sixth Street storm drain, for which CWA application for $160,000 has been approved. The work will involve:

(1) 1520 ft. 54-in. reinf. concrete pipe;
(2) 1634 ft. 48-in. reinf. concrete pipe.
(3) 680 ft. 42-in. reinf. concrete pipe.
(4) 680 ft. 36-in. reinf. concrete pipe.
(5) 252 ft. 48-in. corru. pipe.
(6) Manhole materials, etc.

Gordon Stewart, City Engineer.

CONTRACTS AWARDED

HILLSBOROUGH, Cal.—The City of Hillsborough awarded contracts to the following for the construction of new sewers for the City of Hillsborough:

Gladding, McBean Co., 660 Market St., San Francisco, for PIPE.

Enterprise Foundry Corp., 2902 19th St., San Francsico, for CASTINGS.

Gladding Bros. Mfg. Co., San Jose, for BRICK.

Materials to be purchased are:

(1) 520 lin. ft. 8-in. vit. clay pipe;
(2) 596 lin. ft. 10-in. do;
(3) 4300 lin. rt. 12-in. do;
(4) 2088 lin. ft. 15-in. do;
(5) 44 24-in. cast iron manholes;
(6) 30,000 brick;
(7) 400 sacks cement;
(8) 50 yds. sand.

Estimated cost, $20,000. George Kneese, Stafford Bldg., Redwood City, Engineer.

LOW BIDDER

GLENDALE, Ariz. — Martin Iron Works, 1222 E. 28th St., Los Angeles, at $5588 submitted low bid to the Division of Purchases, Sales and Traffic Dept. of Agriculture, Washington, D. C., under Project No. 5688, for furnishing gate valves.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchasing Agent, Room 270, City Hall, for furnishing RAIL, special work (track crossing for Municipal Railway, under Bid No. 136:

Columbia Steel Co., San Francisco, $2726.

Bethlehem Steel Co., San Francisco, $2995; (delivered by all rail) $3070

Pacific Coast Steel Cor., San Francisco, $3440.

BIDS REJECTED

GLENDALE, Cal.—The Los Angeles County Supervisors rejected all bids received for furnishing reinforcing steel and Portland cement for use in the construction of a concrete conduit on Vardugo Wash between Brand Blvd. and Pacific Ave., Glendale.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

NAVY DEPARTMENT

BREMERTON, Wash.—Until January 24, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 261 NSA, for 100 tons Sand, molding, silica, sharp, 2000 lbs. per ton.

WASHINGTON, D. C.—Until January 26, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., as follows:

60 tons plastic fire-brick material; Schedule No. 1550, San Diego.
60,000 lbs. fire clay, Schedule No. 1550 San Diego.
120,000 lbs. fire clay, Schedule No. 1550 Mare Island.
600 coal shovels, Schedule No. 1547, Mare Island.
144 coal shovels, Schedule No. 1547, San Diego.

WASHINGTON, D. C.—Until January 30, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing the following:

800 doz. hacksaw tungsten blades, Schedule No. 1548, Mare Island.
10,300 doz. hacksaw tungsten blades, Schedule No. 1548, Mare Island.
12 pneumatic drills, Schedule No. 1650, Mare Island.
5 pneumatic chipping hammers, Schedule No. 1560, Mare Island.
100 pneumatic scaling hammers, Schedule No. 1560, Mare Island.
6 pneumatic scaling hammers, Schedule No. 1560, San Diego.
156 brass oil syringes, Schedule No. 1559, San Diego.
588 brass oil syringes, Schedule No. 1559, Mare Island.
400 ratchet braces, Schedule No. 1558, Mare Island.
240 ratchet braces, Schedule No. 1558, Mare Island.
48 ratchet braces, Schedule No. 1558, San Diego.
36 shower heads, Schedule No. 1557, San Diego.
180 shower heads, Schedule No. 1557, Mare Island.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Jan. 19, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing select structural redwood for San Francisco Water Department, under Invitation Bid No. 1142.

Specifications obtainable from above office.

WAR DEPARTMENT

FORT MASON, Cal.—Until Jan. 22, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-34-137, R.M. 147, Memo 3152 for push brooms, cotton mops, mop handles, scrubbing brushes, Manila rope, steam hose and water hose. Specifications are obtainable from the above office.

SACRAMENTO, Cal.—Until January 25, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. No. 6062, for 96 standard bench mark caps.

SAN JOSE CITY

SAN JOSE, Santa Clara Co., Cal.—Until February 13, 5 P. M., bids will be received by Walter L. Bachrodt, Secretary, San Jose Board of Education, San Jose, for furnishing vocational shops and electrical supplies for the school year 1934-1935. Specification on file in the office of the City Superintendent of Schools, San Jose.

CALIFORNIA STATE

SAN FRANCISCO—Until February 1, 12 M., bids will be received by the State Bureau of Purchases, Harbor Commission Branch, Ferry Bldg., San Francisco, for furnishing and delivering such lumber as may be needed on the various wharves and structures on the water front of the City and County of San Francisco, and, at the option of the Bureau of Purchases, for furnishing f.o.b. cars or dock at San Francisco for the various State institutions.

Each bidder must state in his proposal the differential in price (either plus or minus) from price list No. 21 dated January 24, 1925, such differential from list to apply on all lumber purchased for use of the State for the period of one year, beginning March 1, 1934 and ending February 28, 1935.

Specificationse obtainable from the above office, and are on file at the office of PACIFIC CONSTRUCTOR.

LOW BIDDER.

AGRICULTURE DEPT.

GLENDALE, Ariz.—Until 2 p. m., January 23, bids will be received by the U. S. Department of Agriculture, Washington, D. C., for furnishing plumbing fixtures for Glendale; Spec. 5766.

PASADENA CITY

PASADENA, Cal. — Until January 26, 11 A. M., bids will be received by the Pasadena Board of Education for one 60-passenger school bus as per specifications on file at the office of the Purchasing Department, 320 E. Walnut St., Pasadena.

Bids totaling over $300 must be accompanied by cash or a certified or cashier's check for 5 per cent of the amount. Courtenay Monsen, Secretary.

CANAL ZONE

PANAMA CANAL ZONE — Until Jan. 24, 10:30 A. M., bids will be received by the General Purchasing Agent, Panama Canal, Washington, D. C., under Schedule 2932 for furnishing panelboards, knife switches, copper wire, porcelain insulators, pipe fittings, railing fittings, pipe unions, flush pipes, metal valves and cocks.

Specifications obtainable from the above office.

PANAMA CANAL ZONE — Until January 31, bids will be received by the General Purchasing Officer, Panama Canal, Washington, D. C., for time clock and program system, marble, soapstone, sewage pumps, tubes and tube plates, for air compressor intercooler, electric motors, portable electric drills, porcelain insulators, terminal tubes, switches, cable, insulated wire, magnet wire, varnished cambric tape, bituminized wood-fiber conduit, rigid steel conduit, castiron pipe, malleable iron pipe fittings, range boilers, lavatories, urinals, slop sinks, kitchen sinks, watercloset tanks and seats, oil suction and discharge hose, rubber gloves. Schedule 2933.

RECLAMATION SERVICE

BOULDER CANYON, Nevade—Until January 23, 2 P. M., bids will be received by A. McD.Brooks, Purchasing Agent, Bureau of Reclamation, Custom House, Denver, Colo., for furnishing f.o.b. shipping point or f.o.b. cars, Boulder City, Nevada, 300 short tons hydrated lime, approximately 80,000 lbs. car, in about 50-lb. paper bags. Lime to be used for water purification purposes and must contain at least 95% CA (OH) 2 and conform in other respectts to Federal Specifications, Symbol No. SS-L-351. Bid No. 23,-071-C.

BOULDER CANYON, Nevada—Until January 23, 2 P. M., bids will be received by HMcD. Brooks, Purchasing Agent, Bureau of Reclamation, Custom House, Denver, Colo., for furnishing f.o.b. shipping point or f.o.b. cars, Boulder City, Nev., 225 short tons soda ash (Na2C-3), ordinary light approximately 40 tons to car, in paper bags. Soda ash shall be shipped in paper sacks; to be used for water purification and shall conform to Federal Spec. S-571. Bidders shall submit a chemical analysis of the soda ash they propose to furnish. Analysis of soda ash shipped shall also be required. Bid No. 23,071-B.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

ENGINEERING NEWS

NEWS INDEX

For convenience reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED.

KERN COUNTY, Calif.—Until Jan. 29, 11 A. M., bids will be received by F. E. Smith, county clerk, Court House, Bakersfield, for construction of timber bridge over east side canal on Kentucky Street in Kern County, involving:

(1a) 240 cu. yds. excav., unclass.;
(1b) 1,220 cu. yds. embankment;
(2a) 18,478 MFBM redwood timber;
(2b) 23,429 MFBM Douglas fir timber
(3a) 2 fire barrels.

Plans obtainable from above office and are on file at the office of the county surveyor in Bakersfield.

BIDS OPENED

KING COUNTY, Wash. — Sheable Constr. Co., Seattle, Wash., at $272,-700 submitted low bid to State Highway Department, Olympia, Wash., for construction of a viaduct 2301.67 ft. long over the tracks and rights-of-way of the N. P. Ry., Puget Sound Electric Ry., Pacific Coast Ry., and the O. W. R. R. & N. Companies, on State Road No. 1, 4th Avenue South, in the City of Seattle, Unit 3 of U. S. Public Works Project No. NRM 150-D, in King County, consisting of 1074-5 lineal feet of treated timber trestle.

General Constr. Co., Seattle, Wash., at $294,221 submitted second low bid; third, A. W. Quist Co., Seattle, at $302,318.

CONTRACT AWARDED

MARE ISLAND-VALLEJO, Cal.—Barrett & Hilp, 918 Harrison St., San francisco, at $901,700 (Items 1 and 3) awarded contract by the Navy Department for constructing a new causeway between Mare Island and Vallejo, approximately 4500 ft. long including a single-leaf Bascule lift span of 75 ft., and operating mechanism complete.

AWARD.

LEWIS COUNTY, Wash.—C. Bjork, Seattle, at $26,872 awarded contract by State Highway Department, Olympia, for construction of a reinforced girder bridge 123 ft. long over Silver Creek and grading and surfacing about 0.7 mile of approaches, on State Road No. 5, U. S. Public Work Project No. NRH 143-B, in Lewis Co.

Newton Const. Co., Seattle, at $29,-255 submitted second low bid; third, Elliott & Co., Seattle, $38,959.

BIDS WANTED.

PACIFIC COUNTY, Wash.—Until January 30, 10 A. M., bids will be received by Director of Highways, L. V. Murrow, Olympia, for construction of a treated pile and timber trestle 28-ft. long over Teale Slough and a treated pile and timber trestle 534 ft. long over Greenhead Slough on State Road No. 12, involving:

(1) 15 MFBM timber and plank (untreated);
(2) 150 MFBM do (treated);
(3) 9,400 lin. ft. treated piling;
(4) miscellaneous items of work.

Plans and specifications obtainable from above office upon a deposit of $2.00 for each set.

AWARD.

KING COUNTY, Wash.—Sheble Construction Co., Securities Bldg., Seattle at $272,711 awarded contract by State Highway Department, Olympia, for construction of a viaduct over the tracks and rights of way of the N. P. Ry., Puget Sound Electric Ry., Pacific Coast Ry., and the O. W. R. R. & N. companies on State Road No. 1, 4th Avenue south, in Seattle; Unit 3 of U. S. Public Works Project No. NRM 150-D in King County.

L. V. Murrow, Director of Highways.

BIDS WANTED.

EL DORADO COUNTY, Cal.—Until February 6, 2 P. M., bids will be received by the Board of Supervisors of El Dorado County at the office of the county clerk, Court House, Placerville, for the erection and construction of a reinforced concrete bridge across Clark Creek, and for a concrete slab bridge across French Creek, both being in Road District No. 3.

Plans and specifications obtainable from the above office upon deposit of $10.

LOS ANGELES COUNTY, Calif.—Until February 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for construction of two reinforced concrete girder bridges, one across Monterey Pass Road, consisting of one 87-foot reinforced concrete girder span on concrete piers and abutments with wing walls; and one across Coyote Pass road, consisting of one 65-foot and two 32 ft. 6 in. reinforced concrete girder spans on concrete piers and abutments, about one mile south of the City of Alhambra, in Los Angeles County, involving:

(1) 5,400 cu. yds. struc. excav.;
(2) 4,690 cu. yds. Class A Port. cem. concrete;
(3) 665,000 lbs. bar reinf. steel;
(4) 115 lin. ft. cast iron drain pipe;
(5) 1 lot misc. items of work.

Plans and specifications obtainable at above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Prospective Bidders.

ALAMEDA COUNTY, Cal.—Following have procured plans for the purpose of submitting bids to the County Board of Supervisors on January 23, for the construction of the Park St. Bridge, Oakland:

W. A. Bechtel Co., 155 Sansome St., San Francisco.
Union Metal Co., 7 Front St., San Francisco.
Koetitz & Koetitz, 1424 Fountain St., Alameda.
MacDonald & Kahn, 200 Financial Center Bldg., San Francisco.
Healy-Tibbits Co., 64 Pine St., San Francisco.
Judson-Pacific Co., 609 Misslon St., San Francisco.
M. B. McGowan, Inc., 74 New Montgomery St., San Francisco.
Barrett & Hilp, 918 Harrison St., San Francisco.
Moore Drydock Co., Foot of Adeline St., Oakland.
Link-Belt Co., 400 Paul Ave., San Francisco.
McClintic Marshall Corp., 20th and Illinois Sts., San Francisco.
Clinton Constr. Co., 923 Folsom St., San Francisco.
Herrick Iron Works, 1729 Campbell St., Oakland.
Soule Steel Co., 1750 Army St., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.
Westinghouse Elec. & Supply Co., 166 7th St., San Francisco.
Pacific Coast Steel Corp., 21st and Illinois Sts., San Francisco.
A. W. Kitchen, 110 Market St., San Francisco.
H. S. Tittle Co., 85 Columbia Square San Francisco.
Minneapolis Molin Power Co., 933 Chapman Bldg., Los Angeles.
Ingalls Iron Works.
General Engineering & Drydock Co., 1100 Sansome St., San Francisco.
John C. Gutleben, 2627 68th St., Oakland.
Duncanson Harrelson Co., 1405 de Young Bldg., San Francisco.
Columbia Steel Co., Russ Bldg., San Francisco.
W. J. Tobin, 3704 Balfour Ave., Oakland.
Joshua Hendy Iron Works, 200 Pine St., San Francisco.
Virginia Bridge & Iron Co., 659 Paramount Bldg., Los Angeles.
Chain Belt Co., 909 Harrison St., San Francisco.
Geo. Pollock Co., P. O. Box 903, Sacramento.
Fredrickson & Watson Constr. Co., 873 81st St., Oakland.
General Electric Co., Russ Bldg., San Francisco.
Merritt, Chapman & Scott Corp., San Pedro.
Western Ornamental Iron & Wire Works, 2037 Venice Blvd., Los Angeles
Chas. A. Langlais, 472 Tehama St., San Francisco.
Wallace Bridge & Structural Steel Co., P. O. Box 1847, Seattle, Wash.

PLANNED.

SAN MATEO COUNTY, Calif.—San Mateo County Board of Supervisors has authorized City Engineer Jas. S. James to prepare plans for widening the Pope Street bridge across San Francisquito Creek in North Palo Alto. It is estimated that a new bridge and retaining wall will cost $15,000. Supervisors intend to undertake the work as a CWA project.

LOW BIDDER.

LOS ANGELES, Cal.—J. B. McIntosh, 1842 Gardena Ave., Glendale, at $2145 submitted low bid to the County Supervisors for the construction of a concrete bridge on Sturtevant Drive over Little Santa Anita Wash in Los Angeles County.

BIDS WANTED

LOS ANGELES, Cal.—Until February 5, 2 P. M., bids will be received by the Los Angeles County Supervisors for constructing timber bridge on Leffingwell Road, over La Mirada Slough under Cash Contract. Bids will be taken as follows:

(1) Bridge complete being part Redwood and part Douglas Fir;

(1-Alt.) Bridge complete, being all Redwood.

D. W. Armstrong, Bridge Engineer. Mame B. Beatty, 501 Hall of Records, Clerk of the Board.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED.

SEATTLE, Wash. — Puget Sound Bridge & Dredging Co., 2929 16th St., SW, Seattle, at $73,333 awarded contract by War Department (U. S. Engineer, Seattle) for removing approximately 550,000 cu. yds. of material from the Willapa river.

NO BIDS RECEIVED

SEATTLE, Wash.—No bids were received by the Seattle Board of Public Works for the construction of a seawall and improvement of Railroad Avenue. The work will be done by force account.

PLANNED

SAN DIEGO. Cal.—Application has been made by the Harbor Dept. of the City of San Diego, for War Dept. permission to dredge a 200-ft channel extending from the west side of the bay channel, San Diego Harbor, opposite Roseville, Cal., in a southwesterly direction, and terminating in a small yacht harbor about 600-ft. offshore, to a depth of 20-ft. at mean lower low water, the dredged material to be deposited between said yacht harbor and the shore. Drawing showing the location of the proposed dredging and fill may be seen at the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until January 19, 11 A. M., V. L. Peterson, Lieut. Colonel, Corps of Engineers, Dist. Engineer.

CONTRACT AWARDED.

SEATTLE, Wash. — Manson Const. & Engr. Co., Canadian National Pier, Seattle, at $42..50 per pile, awarded contract by the Seattle Board of Public Works for driving test piling on the Railroad Ave. project. The work is being done by force account under the supervision of M. O. Sylliaasen, city engineer. Bids will be asked shortly for 3614 tons of steel sheet piling and 403,000 lin. ft. timber piling.

BIDS WANTED

OAHU, T. H.—Until March 7, 11 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specifiactions No. 7342, for dredging and disposinng of dredged material of West Loch Channel to Namal Ammunition Depot, Oahu, T. H. It was previously reported that bids would be received under Spec. 7340, which was in error. Specifications and drawings obtainable from the above and from the Commandant, 14th Naval Dist., Navy Yard, Pearl Harbor, and from the Commandant, 12th Naval Dist., 100 Harrison St., San Francisco, upon deposit of $10.

23— IRRIGATION PROJ.

CONSTRUCTION PROGRAM

MEXICO — General Abelarde L. Redriquez, President of Mexico, has announced the 1934 construction program of Mexico. The amounts are rial to be deposited between said list includes dams, irrigation projects, etc., as follows:

President Rodriquez dam, near Tijuana, Lower California, 2,307,070.38.
Irrigation System No. 4 on the Salado River, Coahuila and Nuevo Leon 1,835,000.
Irrigation System No. 5 on the Conchos River, Chihuahua, 1,796,000.
Irrigation System No. 6, San Diego River, Coahuila, 598,423.
Irrigation System, Tula River, Hidalgo, 597,448.
Irrigation System No. 9, Rio Grande 199,000.

PLANNED

VENTURA COUNTY, Cal.—Harry Reddick, City Engineer of Santa Paula has been appointed Regional Director of the Ventura County Soil Erosion Control Project. The work will be financed by a federal grant of $125,000 An area of 25 sq. miles in Las Posas Valley has been designated as the county experimental area. The territory is bounded by Walnut Road, Balcom Canyon Road, Los Angeles Ave. and South Mountain Ridge.

REVISING SPECIFICATIONS.

IMPERIAL COUNTY, Cal.—Reports from Washington indicate that revised specifications for the All-American Canal are being prepared by the U. S. Bureau of Reclamation. The revised specifications may relieve the contractor of responsibility on sections of work already completed and accepted by the government. The previous specifications held the contractor responsible until his entire schedule was completed and accepted. According to reports, this caused contractors to submit figures high enough to cover possible sand storm fillings during construction.

Another change, also reported to be under discussion, is a revision whereby the rock excavation may be segregated entirely from any of the earth excavation and made a schedule by itself. 3

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN FRANCISCO—Sterling Pump Corp., 646 South California St., Stockton, at $225 submitted low bid to U. S. Forest Service, 85 Second St., San Francisco, for furnishing one gasoline-driven 3-in. centrifugal pump. Complete bids follow:

Sterling Pump Corp. Stockton	$225.00
Western Machinery Co., S. F.	237.50
A. L. Young Mach. Co., S. F.	242.50
(Alternate)	231.00
H. C. Weed Mach. Co., S. F.	260.00
Westco Pump Sales Co., S. F.	274.35
Edward R. Bacon Co., S. F.	275.30
Harron Rickard & McCone, S. F.	301.00
Jenisen Machinery Co., S. F.	340.00

All bids held under advisement.

25

AWARD.

SAN FRANCISCO. — Harron, Rickard & McCone, 1600 Bryant St., at $1425.50 awarded contract by U. S. Forest Service, 85 Second St., for furnishing two 300-ampere 1-arc gasoline-driven welders.

TO ASK FUNDS.

YUMA, Ariz. — Howard Sudworth, Secretary of the Mohawk Municipal Water Conservation District, has announced that the district will apply for federal financing to refinance a $500,000 bond issue and to provide for the installation of Diesel units on selected wells in the district.

PLANNED

BAKERSFIELD, Cal.—The Bakersfield City Council has ordered an investigation of the possibility of providing electricity for street lights and other municipal purposes by means of a Diesel-driven generating plant. The resolution instructed the City Manager Fred W. Nighbert to secure plans, specifications, and estimates for a Diesel-driven generating plant and the necessary lines, wiring and other accessories.

BIDS OPENED

SAN FRANCISCO—Valley Tractor & Equipment Co., Modesto, at $180 per month (tractor rental) and R. E. Anderson Tractor & Equipment Co., Marysville, at $50 per month (grader rental) submitted low bid to U. S. Forest Service, 85 Second St., San Francisco, for rental of the following equipment:

(1) 2 crawler type tractors, no less D. B. H. P. than the Caterpillar "60";

(2) 2 graders of 12-ft. blade class, straight or lesning wheel.

Complete bids follow:

Valley Tractor & Equip. Co., Modesto, (1) per mo. $180; (2) per mo. ——

San Diego Tractor & Equipment Co. San Diego (1) $200; (2) $——. (1)$200; (2) $——.

Marysville Tractor & Equipment Co., Marysville (1) $225; (2) $——.

R. E. Anderson Tractor & Equipment Co., Marysville, (1) $300; (2) $50. $275; (2) $——.

Miller Tractor & Equipment Co., Eugene, Oregon, (1) $300(2) $——; (1) $300; (2) $——.

Hulse Tractor & Equipment Co., El Centro, (1) $325; (2) ——; (1) $325 (2) $——.

Crook Co., Los Angeles (1) $350; (2) $90; (1) $350; (2) $——.

X. Carrithers, San Mateo (1) $400; (2) $100.

Western Austin Road Machinery Co., S. F. (1) $——; (2) $125; (1) $—— (2) $125.

CONTRACT AWARDED.

SEATTLE, Wash.—Stacy - Schmidt Mfg. Co., York, Pa., at $29,975 was awarded contract by the U. S. Engineer Office, Federal Bldg., Seattle, for furnishing six gate opening machines for the Lake Washington ship canal.

BIDS OPENED

MARE ISLAND, Cal. — Following bids received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing a gasoline engine driven crane under Sch. 1489, to Mare Island, bids for which were opened January 9:

Silent Hoist, Winch & Crane Co., Brooklyn (Alt., $4595), $4345.

Byers Machinery Co., Ravenna, Ohio, $4489.

Orton Crane & Shovel Co., Chicago, $4512.

Bay City Shovels, Inc., Bay City, Mich. $4637.

Joshua Hendy Iron Works, San Francisco, $5850.

Bucyrus-Erie Co., Milwaukee, $8288.

January 18, 1934

BIDS OPENED.

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Los Angeles City Purchasing Agent, Los Angeles, January 16, for furnishing and delivering to Water & Power Dept., f.o.b. shipping point designated below, oil immersed, forced air cooled, outdoor, three-winding transformers, including spare parts and all

necessary oil for same, under Spec. No. 3263:
(1) 7 only 50-60 cycle transformers, delivered as follows;
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(2) 7 only 50-60 cycle transformers, delivered as follows;
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(3) 3 only 50-60 cycle transformers, delivered as follows;
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(1 Alt.) 7 only 60 cycle transformers, delivered as follows:
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(2 Alt.) 7 only 60 cycle transformers, delivered as follows:
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(3 Alt.) 3 only 60 cycle transformers, delivered as follows:
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.

The bids showing lump sum prices were as follows:

General Electric Co.: (1a) $434,000; (1b) $453,950; (2a) $444,850; (2b) $464,-800; (3a) $190,650; (3b) $199,200; (Alt. A) $374,500; (1 Alt. b) $392,665; (2 Alt. a) $383,950; (3 Alt. a) $164,550; (3 Alt. b) $172,335. Deductions for certifed factory tests as follows: Items (1) (2) (1 Alt.) and (2 Alt.) $1400; items (3) and (3 Alt.) $600. Deliveries: 3 units by July 1, if order is placed within 15 days, balance of item 1 within specified time.

Westinghouse Electric & Mfg. Co.: (1a) $447,020; (1b) $466,270; (2a) $447-020; (2b) $466,270; (3a) $194,000; (3b) $202,250; (1 Alt. a) $385,770; (1 Alt. b) $403,795; (2 Alt. a) $385,770; (2 Alt. b) $403,795; (3 Alt. a) $167,400; (3 Alt. b) $175,125. Deductions for certified factory tests as follows: Items (1) (2) (1 Alt.) and (2 Alt.), $1365; items (3) and (3 Alt.) $585. Deliveries within 15 days of receipt of orders as specified.

Allis-Chalmers Mfg. Co.: (1a) $442,-680; (1b) $462,280; (2a) $434,875; (2b) $454,475; (3a) $192,510; (3b) $200,910; (1 Alt. a) $381,990; (1 Alt. b) $399,-930; (2 Alt. a) $375,270; (2 Alt. b) $393,260; (3 Alt. a) $166,110; (3 Alt. b) $173,820. Deductions for certified factory tests as follows: Items (1) (2) (1 Alt.) and (2 Alt.) $1330. Items (3) and (3 Alt.) $570.

25

26— RAILROADS

CONTRACT AWARDED.

BONNEVILLE, Oregon.—Clifton & Applegate, Spokane, at $40,340 were awarded contract by War Department (U. S. District Engineer, Portland), for relocating and reconstructing a portion of O.-W. R&N Co.'s tracks and operating facilities in its station grounds in Bonneville, under Bid No. 34-319.

30—RESERVOIRS & DAMS

TO ASK FUNDS.

PHOENIX, Ariz.—T. S. O'Connell, State Highway Engineer, has been authorized by the Highway Commission to apply to CWA for funds in the sum of $60,000 to finance the construction of St. David Diversion Dam in Cochise County.

FUNDS ALLOTTED.

PRESCOTT, Ariz.—The PWA has allotted a loan and grant to the Chino Valley Irrigation District, Yavapai County, to finance the construction of a concrete arch dam at Willow creek of 8000 acre feet capacity; also small diversion dam on Granite Creek with diversion canal to Willow Creek, as well as repairs to main canals and structures.

LOW BIDDERS

VALE, Oregon—Hinman Brothers, Denver, Colo., at $496,286.10 submitted low bid to the Bureau of Reclamation, Vale, Oregon, under Spec. No. 560, for the construction of the Agency Valley Dam, Vale Project, Vale, Oregon.

Utah Constr. Co., Ogden, Utah, submitted second low bid at $529,551; third, Max J. Kinney, Spokane, Wash. $532,060.90.

31—PIPE LINES & WELLS

FUNDS APPLIED FOR

LA GRANDE, Oregon—The City of La Grande, Oregon, has applied to the Federal Administration of Public Works for a loan and grant of $257,802 to finance the reconstruction of 16 mi. of pipe line between Beaver Creek intake west of La Grande to the city water supply reservoir.

PROSPECTIVE BIDDERS.

LOS ANGELES, Cal.—Following is an additional list of prospective bidders on the construction of the East Eagle Mountain Tunnel and Schedules 7 and 8 of the Coachella Tunnel and appurtenant works of the Colorado River Aqueduct, under Spec. No. 64, bids for which will be opened by the Metropolitan Water District Jan. 30, 11 A. M.:

The Gordon Const. Co., 215 S Bedford Drive, Beverly Hills.

Utah Const. Co., 1 Montgomery St., San Francisco.

Paschen Bros., 33 N La Salle St., Chicago.

Barry Dibble, 120 E Palm Avenue, Redlands.

L. E. Dixon & Bent Bros., 609 S Grand, Los Angeles.

Dravo Contracting Co., Neville Island Station, Pittsburgh, Pa.

Southern Pacific Ry Co., 6th and Main Sts., Los Angeles.

R. S. Morrow & Son, 701 Omaha National Bank Bldg., Omaha, Neb.

W. E. Kier Const. Co., 813 First National Bank Bldg., San Diego.

Apache Powder Co., Clerk Hotel, Los Angeles.

J. F. Shea Co., Inc., Mecca, Cal.

CREEDE, Colo.—Royce C. Tipton, civil and irrigation engineer, First Nationad Bank Bldg., Denver, is preparing plans and specifications for a siphon for the Santa Maria Reservoir Company. The plans and specifications will be available to contractors in the near future at a charge of $5. The siphon consists of a pipe line of steel, concrete, or wood stave, 84-in. inside diameter, and about 8250 feet long. Approximately 700 lin. ft. of the line, at the intake end, is supported above ground. The remainder is placed in a trench and backfilled. The work will be situated about 35 miles from Creede.

LOAN AND GRANT

SNOHOMISH, WASH.—The Federal Administration of Public Works has allotted a loan and grant to Snohomish, Wash., to finance the reconstruction of 16 miles of wood stave gravity water supply line with wire wound stave pipe and an extension to the water distribution system.

BIDS WANTED

SANDBERG, Los Angeles Co., Cal.—Until January 30, bids will be received by the Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for development of spring and improvement of cistern at Sandberg. Proposal No. 5736.

LOW BIDDERS

ONTARIO, Oregon—Following is a list of the low bids submitted to the Bureau of Reclamation, Denver, Colo., under Specifications No. 558, for furnishing and delivering f.o.b. cars at the factory shipping point or at Dunaway, Oregon. Bids were taken as follows:

Schedule 1: Welded plate steel pipe, 10-ft. 6-in. and 9-ft. in diameter for the Snively siphon and underground crossing plant for Owyhee.

Schedule 2: Welded plate steel pipe for siphon and for bridge crossing plan for Owyhee.

Schedule 3: Structural steel for three-span through truss bridge and bridge approaches, about 515 ft. in length to carry the plate steel pipe and a road for the Owyhee River siphon over the river.

The three low bids follow:

Schedule 1:
Chicago Bridge & Iron Co., $71,530 f.o.b. Chicago.
McClintic Marshall Corp., $81,450 f.o.b. Chicago.
Western Pipe & Steel Co., $97,707 f.o.b. San Francisco.

Schedule 2:
Chicago Bridge & Iron Co., $66,980 f.o.b. Chicago.
McClintic Marshall Corp., $77,070 f.o.b. Chicago.
Babcock & Wilcox Co., $98,278 delivered.

Schedule 3:
McClintic Marshall Corp., $24,928 f.o.b. Chicago.
Lakeside Bridge & Steel Co., $26,300 f.o.b. Milwaukee.
Virginia Bridge & Iron Co., $26,365 f.o.b. Birmingham.

Materials are all for the North Canal Mitchell Butte Division, Owyhee Project, Oregon-Idaho. The pipe and bridge will be installed by the Government.

AWARD POSTPONED

SUNNYVALE, Cal.—Sunnyvale City Council has postponed the date of awarding a contract for drilling a well 900 ft. deep, the city to furnish the casing, until February 5. Harold E. Martin, 663 S. Ninth St., San Jose, at $2450 submitted low bid January 7.

32—SEWERS & SEWAGE DISPOSAL PLANTS

FUNDS ALLOTTED.

PHOENIX, Arizona—The PWA has allotted a loan and grant of $420,000 to the City of Phoenix to finance the construction of extensions to the sewer system, involving about 290,000 lin. ft.

FUNDS ALLOTTED.

PHOENIX, Arizona—The PWA has allotted a loan and grant of $315,000 to the City of Phoenix for the construction of about 76,000 ft of storm water sewers.

FUNDS ALLOTTED.

HILO, T. H.—The PWA has allotted a loan and grant to the Territory of Hawaii of $375,000 to finance the construction of a sewer system to serve the City of Hilo with outfall into the Bay of Hilo.

PLANNED.

CONTRA COSTA COUNTY, Cal.—The Greater San Ramon Valley Chamber of Commerce has initiated plans for the formation of a sanitary district proposed to cover a large area of central Contra Costa County, including Walnut Creek and Concord, and as far south as Danville.

BIDS WANTED

WILLOW GLEN, Cal.—Until January 22, 7:30 P. M., bids will be received by the Willow Glen City Council at the Municipal Hall, Willow Glen, for furnishing sewer pipe for storm sewers in Lincoln Ave., involving:
(1) 1868 ft. 15-in.;
(2) 86 ft. 12-in.;
(3) 38 ft. 8-in.

Proposals will be received for either plain concrete pipe or vitrified clay pipe. Plans and specifications on file at the office of Dana Thomas, City Clerk.

ELECTION CARRIED

HILLSBOROUGH, Cal.—A $60,000 bond issue for reconstruction and enlargement of the city's sewer system was carried by a vote of 105 to 9 at a special election held January 13. The City Council will apply for Federal Aid.

33—WATERWORKS

FUNDS ASKED.

CEDARPINES PARK, Calif. — The Cedarpines Park Mutual Water Co. has applied to the Federal Administration of Public Works for a loan of $15,000 to finance the construction of four reservoirs.

BIDS WANTED

DALY CITY, Cal.—Until January 29, 8 P. M., bids will be received by the Daly City City Council, B. C. Ross, City Clerk, for furnishing 4600 lin. ft. of 8-in. diam. and 1200 lin. ft. 4-in. diam. Type I, II, or III, cast iron water pipe. The pipe is to be delivered along side trenches as follows: 8-in. pipe—Citrus Ave., Niantic Ave. to Mission St.; Mission St., Citrus Ave. to School St.; Bismark St., Mission St. to Orange St.

4-in. pipe—Mateo Ave., Vale St. to Market St., and Market St., Werner St. to Mission St. Delivery to be made no later than as follows: 200 lin. ft. per day starting one week from the date of award of contract.

33

January 13, 1934

BIDS WANTED

HAYWARD, Cl.—Until January 17, P. M., bids will be received by the Hayward City Council for 8000 lin. ft. 12-in. Class 150, Bell and Spigot cast iron pipe, lengths to be not less than 16 ft. M. B. Templeton, City Clerk.

33

NOTICE OF HEARING.

COLUSA CO., Cal.—Colusa County Board of Supervisors has set Jan. 22, P. M., as the date for hearing a petition to form the Maxwell Public Utility District to include territory in the vicinity of Maxwell. The petition will be heard in the Supervisors room in the Hall of Records at Colusa. T. D. Cain, clerk of the board.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal. until January 25, 10 A.M., bids will be received by the Glendale City Council, for furnishing hub end vertical gate valves and cast iron pipe as follows
(1) 2 24-in. with spur gear and grease case.
(2) 3 20-in. do do do
(3) 4 16-in. do do do
(4) 4000 ft. 16-in Cl "250" cast iron pipe.

Further information obtainable from P. Diederich, Plant Superintendent.

FUNDS ALLOTTED.

PHOENIX, Arizona—The PWA has allotted a loan and grant of $250,000 to the City of Phoenix for the extension of water system with feed mains and distribution lines.

FUNDS ALLOTTED.

TUCSON, Ariz.—Federal Public Works Administration has allotted $250,000 to the City of Tucson for the financing of the construction of water works improvements. The work includes:

Extensions to present water mains;
Construction of a new reservoir;
Construction of covers for two reservoirs;
Gas-operated stand-by pump;
Elevated steel storage tank;
Complete meters for all city services.

An election will be held March 6 or April 3 to vote on a $250,000 bond issue to provide security for the loan. R. E. Butler is the city engineer.

LOAN AND GRANT

DRAIN, Douglas Co., Oregon—The Federal Administration of Public Works has allotted a loan and grant of $21,000 to Drain, Douglas County, Oregon, to finance the construction of a diversion dam and water storage tank; also the replacement of obsolescent pipe.

FUNDS GRANTED

OKANOGAN, Wash.—The Federal Administration of Public Works has allotted a grant of $800 to Okanogan, Wash., toward the cost of reconstructing portions of the water distribution system.

LOAN AND GRANT

GLOBE, Arizona.—The Federal Administration of Public Works allotted a loan and grant of $68,000 to the City of Globe, for improvements to the waterworks system, comprising replacement and extensions to distribution system and installation of certain pumping and chlorinating equipment.

COMPLETING PLANS

WHITTIER, Los Angeles Co., Cal. —M. R. Bowen, City Engineer, is completing plans for a reservoir to be constructed on Rideout Heights under the recent PWA grant. The government is making an outright grant of $4000. The total cost of reservoir, pipeline and booster pumps is about $12,000. The proposed reservoir will be of reinforced concrete, 150,000 gals. capacity, 35 ft. diameter, elevated 20 ft. The pipe line will consist of 1200 ft. 10-in. cast iron pipe. Bids will be called as soon as plans are ready for submission to the City Council.

ELECTION

CALAVERAS COUNTY, Cal.—Voters of Northern Calaveras County approved formation of the Calaveras Public Utility District, January 16 by a vote of 506 to 77.

BIDS REJECTED

ALAMEDA, Cal.—All bids received by Alameda City Council for furnishing and installing one 10-hp. deep well turbine pump and one 1000-gallon hydro-pneumatic steel tank, at Franklin Park, Alameda, were rejected. Equipment will be purchased in the open market.

29—STREETS AND HIGHWAYS

BIDS WANTED.

KERN COUNTY, Cal.—Until Feb. 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 6.1 miles in Kern County between Sivert and Haypress Canyon, involving:
(1) 240,000 cu. yds. rdwy. excav., unclass.;
(2) 2,660 cu. yds. struc. excav.;
(3) 2,500,000 sta. yds. overhaul;
(4) 7,076 M. gals. water;
(5) 17.3 MFBM dense sel. all-heart struc. grade redwood timber;
(6) 97.2 MFBM select all-heart do;
(7) 910 lin. ft. furnish redwood piles, including test piles;
(8) 36 each driving redwood piles, including test pile;
(9) removing and disposing of existing timber bridge;
(10) 940 cu. yds. light riprap;
(11) 250 bbls. light fuel oil;
(12) 40 cu. yds. Class A Port. cem. concrete struc.;
(13) 2,000 lbs. bar reinf. steel struc.;
(14) 21 each spillway assemblies;
(15) 232 lin. ft. 8-in. CMP;
(16) 836 lin. ft. 18-in. CMP;
(17) 718 lin. ft. 24-in. CMP;
(18) 268 lin. ft. 30-in. CMP;
(19) 350 each guide posts;
(20) 320 lin. ft. laminated timber gd. rail;
(21) 4 cu. yds. existing Portland cem. conc. removed and disposed of;
(22) 43 each timber culvert markers;
(23) 1.1 miles new property fence;
(24) 10 each fence gates complete in place;
(25) 5.5 miles existing property fence to be removed and reset;
(26) 324 sta. finish rdwy.;
(27) 160 each monuments complete in place.

Plans and specifications obtainable from the above office, and on file at offices of the District Engineers at Los Angeles and San Francisco, and in the district in which the work is situated.

BIDS WANTED

BERKELEY, Cal.—Until January 23, 10 A. M., bids will be received by the Berkeley City Council, Florence E. Turner, City Clerk, City Hall, Berkeley, for improving Franklin Street, between Francisco and Virginia Sts., involving:
(1) 10,000 sq. ft. grading;
(2) 8700 sq. ft. oil macadam paving;
(3) 542 lin. ft. curbs and gutters;

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

EL DORADO COUNTY, Cal.—Until Feburary 1, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section G of Route 32, the Placerville-Lake Tahoe National Forest Highway, El Dorado National Forest, El Dorado County. The work involves the following approximate quantities:
(1) 149,000 cu. yds. unclass. excav.;
(2) 1800 cu. yds. unclass. excav. for structures;
(3) 239,000 sta. yds. overhaul;
(4) 2.189 miles finish earth graded rd.
(5) 80 cu. yds. cement rubble masonry
(6) 3214 lin. ft. C.M.P.;
(7) 100 cu. yds. crushed rock or gravel for backfill;
(8) 20,000 gals. furnish and apply asph. material.

Plans nd specifiction obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

CONTRACT AWARDED.

MENDOCINO COUNTY, Cal.—Hein Bros. Basalt Rock Co., P. O. Box 162, Petaluma, at $67,627.30 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with crusher run base and untreated crushed gravel or stone surfacing and treat with fuel oil about 0.7 mile at Rattlesnake Creek in Mendocino County.

LOW BIDDER.

ARIZONA STATE.—G. K. Thompson, 2301 W 9th St., Los Angeles, at $249,057.45 submitted low bid to the Arizona State Highway Commission, Phoenix, for highway construction on NRH 19-F, Globe-Showlow, AFE 6.-019. The work begins half a mile northeast of the Salt river bridge and

extends northeast approximately three mi. and consist of grading and draining, and is to be completed on or before Sept. 30, 1934. George W. Orr Bisbee, Ariz., submitted the second low bid at $253,259.36.

BIDS POSTPONED.

FAIRFAX, Marin Co., Calif.—Until January 26, 8 P. M., date postponed from Jan. 19 (previously reported) bids will be received by the Fairfax city council for street improvement.

BIDS WANTED.

SEATTLE, Wash.—Until Jan. 30, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete, 40 ft. wide, about 1.5 miles of State Road No. 1, 4th Avenue south in Seattle; Unit 2 of U. S. Public Works Project No. NRM 150-D, in King County.

BIDS WANTED.

PIERCE CO., Wash.—Until Jan. 30, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for construction of about 1.-120 lin. ft. of concrete and brush revetment on State Road No. 5 between Puyallup and Tacoma, involving:

(1) 5,238 sq. yds. conc. Class C (5-in. thick);
(2) 4,116 sq. yds. brush material;
(3) 3,536 lbs. galv. steel reinf. fabric;
(4) 10,898 lbs. welded steel reinforcing fabric;
(5) 131 cu. yds. concrete blocks.

Plans and specifications obtainable from above office upon a deposit of $2.00 for each set.

CONTRACT AWARDED.

FERRY COUNTY, Wash. — Columbia Power & Investment Co., Stevenson, Wash., at $77,271.18 awarded contract by the U. S. Bureau of Public Roads, Portland, for grading 3.329 mi. of Republic Kettle Falls Project NR-20-B, National Forest Road Project, located within the Colville National Forest, Ferry County, Wash.

CONTRACT AWARDED.

CURRY COUNTY, Oregon. — J. C. Compton, McMinnville, Ore., at $55,-917 awarded contract by the U. S. Bureau of Public Roads, Portland, for applying oil macadam on Oregon Coast Highway Project NR 10-A1, B1, D, National Forest Road Project located within the Siskiyou National Forest, Curry County, Ore. The length of the project is approximately 19.35 miles.

AWARD.

LINCOLN & SPOKANE Counties, Wash.—Clifton & Applegate, Spokane at $99,484 awarded contract by State Highway Department, Olympia, for grading and surfacing about 6.1 mi. of State Road No. 11, Sprage to Cheney Revisions; U. S. Public Works Project No. NRH 133-D and NRH 20, in Lincoln and Spokane Counties.

L. V. Murrow, Director of Highways.

PLANNED

LOS ANGELES, Cal. — Earl Lee Kelly, State Director of Public Works, has made available for the use of District Engineer, S. V. Cortelyou, $140,-000 for repair work in the Montrose and Glendale districts. The work will be done principally on highways where paving has been damaged.

CONTRACT AWARDED

MODOC COUNTY, Cal.—A. Milne, 1853 E. Broadway, Portland, Oregon, at $84,806.75 awarded conaract by U. S. Bureau of Public Roads, for placing a base course on Section B of Route 11, the Lava Beds National Forest Highway, Modoc National Forest, in Modoc County.

Complete bids published December 29.

BIDS WANTED

MADERA COUNTY, Cal. — Until February 6, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 74, Northfork Nat'l. Forest Highway, Sierra National Forest Highway, Sierra National Forest, Madera County, involving:

(1) 248,000 cu. yds. unclass. excav.;
(2) 2000 cu. yds. do for strucs.;
(3) 105,000 sta. yds. overhaul;
(4) 4.288 mi. finish earth graded road
(5) 2.9 M.F.B.M. untreated timber in place;
(6) 821 cu. yds. concrete;
(7) 67,300 lbs. reinf. steel;
(8) 3658 lin. ft. C.M.P. in place;
(9) 15,000 lbs. struc. steel in place;
(10) 180 cu. yds. hand-laid riprap in place;
(11) 17 each spillway inlets in place;
(12) 44 each R/W monuments;
(13) 1000 lin. ft. remove and reset fence.

Specifications and plans obtainable from the above office upon deposit of $10.

BIDS WANTED.

LOS ANGELES COUNTY, Calif.—Until February 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asph. concrete about 15.4 miles between Williams Ranch and Summit, in Los Angeles County, involving:

(1) 811 sta. clear and grub right of way;
(2) 105,000 cu. yds. rdwy. excav., unclassified;
(3) 675,000 sta. yds. overhaul;
(4) 7,000 cu. yds. imported borrow;
(5) 3,000 cu. yds. struc. excav.;
(6) 31,000 sq. yds. subgrade for pave.
(7) 27,500 sq. yds. asph. paint binder
(8) 22,000 tons asphalt concrete;
(9) 6,870 bbls. heavy fuel oil;
(10) 15.4 miles prepare, mix & shape shoulders;
(11) 365 cu. yds. Class A Port. cem. conc. struc.;
(12) 33,500 lbs. bar. reinf. steel struc.;
(13) 336 lin. ft. 24-in. CMP;
(14) 90 lin. ft. 36-in. CMP;
(15) 750 cu. yds. remove from existing pave. and struc.;
(16) 1,965 M. gals. water;
(17) 28 each culvert markers;
(18) 811 sta. finish rdwy.;
(19) 120 each monuments complete in place.

Plans and specifications obtainable at above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED.

LOS ANGELES COUNTY, Calif.—Until February 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with Portland cement concrete about one mile in Los Angeles between State Street and Mission Rd., involving:

(1) 51 sta. clear and grub right of way;
(2) 200,000 cu. yds. rdwy. excav., unclassified;
(3) 27,000 sq. yds. subgrade for pave.
(4) 5,400 cu. yds. Class A Portland cement concrete pavement;
(5) 775 cu. yds. Class A Portland cement concrete curbs, gutters, sidewalks and pier guards;
(6) 1,400 cu. yds. Class A Portland cem. concrete drain ditch and struc.;
(7) 87,000 sq. ft. gunite ditch lining;
(8) 265,000 lbs. bar reinf. steel pave. struc., curbs and gutters;
(9) 380 lin. ft. 8-in. plain concrete or vit. clay pipe subdrain;
(10) 2,050 lin. ft. 10-in. do;
(11) 1,400 lin. ft. 12-in. plain concrete clay pipe subdrain;
(12) 100 lin. ft. 12-in. plain conc. or vit. clay pipe storm drain;
(13) 980 lin. ft. 15-in. do;
(14) 230 lin. ft. 18-in. do;
(15) 80 lin. ft. 21-in. do;
(16) 50 lin. ft. 10-in. CMP;
(17) 30 lin. ft. 12-in. CMP;
(18) 100 lin. ft. 63-in. spec. reinf. conc. pipe;
(19) 1,000 tons broken stone or gravel
(20) 1 only catchbasin, No. 36;
(21) 3 each do, No. 37;
(22) 8 each do, No. 38;
(23) 1 only do, No. 39;
(24) 2 each manholes, type EZ;
(25) 1 only do, type BX;
(26) 1 only junction chamber, No. 3;
(27) 12 each curb drainage openings;
(28) 8 each subdrain outlet boxes;
(29) 175 bbls. light fuel oil subgrade treatment;
(30) 45 tons asph. road oil subgrade treatment;
(31) 525 bbls. heavy fuel oil shoulders
(32) 9,900 sq. yds. prepare, mix and shape shoulders;
(33) 4,200 lin. ft. cable guard rail;
(34) 1 lot misc. sanitary sewers;
(35) 51 sta. finish rdwy.

Plans and specifications obtainable at above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED.

LOS ANGELES COUNTY, Calif.—Until February 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asph. concrete about 0.8 mile in Los Angeles, between Alameda Street and the easterly boundary of the city, involving:

(1) 42 sta. clear and grub right of way;
(2) 5,500 cu. yds. rdwy. excav., unclass.;
(3) 11,000 sta. yds. overhaul;
(4) 72,000 cu. yds. imported borrow
(5) 15,500 sq. yds. subgrade for pave
(6) 3,300 sq. yds. asph. paint binder
(7) 7,400 tons asph. conc.;
(8) 900 cu. yds. Class A Port. cem conc. curbs, gutters, sidewalks and driveways;
(9) 20 lin. ft. 8-in. CMP;
(10) 200 lin. ft. 12-in. CMP;
(11) 160 lin. ft. 18-in. CMP;
(12) 80 lin. ft. 15-in. plain conc. or vit. clay pipe;
(13) 270 lin. ft. 17-in. do;
(14) 4 each concrete catchbasins;
(15) 4 each culvert headwalls;
(16) 215 cu. yds. remove and dispose of;
(17) 1,800 M. gals. water;
(18) 650 bbls. fuel oil;
(19) 0.8 mile prepare, mix and shape shoulders;
(20) 42 sta. finish rdwy.

Plans and specifications obtainable at above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

AWARD

ALAMEDA AND CONTRA COSTA COUNTIES—Peninsula Paving Co., 71 Standard Oil Bldg., San Francisco, at $209,964 awarded contract by State Highway Commission, Sacramento, for grading and paving about 6.8 miles through Emeryville, Oakland, Berkeley, Albany and El Cerrito in Alameda and Contra Costa Counties.

BIDS WANTED.

WASHINGTON STATE.—Until Jan. 30, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for highway construction as follows:

Snohomish County

Widen with Portland cement concrete and/or retopping the existing pavement with an asphaltic surface on about 1.3 miles of State Road No. 1, Rucker Avenue in the City of Everett, U. S. Public Works Project No. NRM 119-A, involving:

(1) 7,120 cu. yds. excavation;
(2) 12,511 sq. yds. Port. cem. conc. pavement;
(3) 261 tons and 25,024 sq. yds. asph. surf. course;
(4) misc. items of work.

Thurston County

Paving with Portland cement concrete and/or retopping with an asphaltic surface about 2.2 mi. of State Road Nos. 1 and 9, Fourth Avenue East Fourth Avenue West, Olympic Way, Harrison St., and Capitol Way, in the city of Olympia; U. S. Public Works Project No. NRM 200-A, involving:

(1) 3,430 cu. yds. excavation;
(2) 20,330 sq. yds. and 194 cu. yds. of Port. cem. conc. pavement;
(3) 74 tons and 8,920 sq. yds. of asph. surface course;
(4) 5,714 lin. ft. sewer pipe;
(5) misc. items of work.

Stevens County

Grading and surfacing with crushed stone about 1.4 miles of State Road No. 3, Colville north, U. S. Public Works Projects Nos. NRM 154-D and NRH 154-E, involving:

(1) 20,470 cu. yds. excavation;
(2) 5,650 cu. yds. of gravel borrow;
(3) 3,900 cu. yds. crushed stone surf.;
(4) 450 lin. ft. pipe culverts;
(5) misc. items of work.

King County

Paving with Portland cement concrete about 1.7 miles and retopping about 1 mile of the existing pavement with asphaltic surface on State Road No. 5 (Peasley Canyon Branch) Military Road to Auburn; U. S. Public Works Project No. NRS 196-A, involving:

(1) 3,370 cu. yds. excavation;
(2) 2,480 cu. yds. gravel borrow;
(3) 21,120 sq. yds. Port. cem. conc. pavement;
(4) 2,758 lin. ft. cable guard rail design No. 5;
(5) 75 tons and 12,364 sq. yds. of asph. surface course;
(6) misc. items of work.

Wahkiakum County

Surfacing with about 15,280 cubic yards of crushed stone on 7.9 miles of State Road No. 12, Cathlamet to Skamokawa.

Plans and specifications obtainable from above office upon a deposit of $2 for each set.

BIDS OPENED

CHELAN COUNTY, Wash.—Lucich & Co., Seattle, Wash., at $112,093 submitted low bid to U. S. Bureau of Public Roads, Portland, Oregon, for grading 3.008 mi. of Stevens Pass Highway Project NR-8-A3, National Forest Road Project, located within the Wenatchee National Forest, Chelan County. Complete bids follow:

Lucich & Co., Seattle, Wash., $112,093.
Halleran Bros. and James Coyle, Seattle, $124,349.60.
L. Ramona Engineering Corp., Seattle, Wash., $128,415.60.
Myers & Goulter, Seattle, $133,762.
Clifton & Applegate, Spokane, Wash., $139,245.40.
S. Colucclo & Co., Seattle, Wash., $145,826.70.
Morrison - Knudsen Co., Spokane, Wash., $156,237.20.

NOTICE TO BIDDERS

KERN COUNTY, Cal.—Representative of the District Office will accompany prospective bidders over the proposed State Highway Project in Kern County at Delano, Road V1-Ker-4-F for which bids are to be received Jan. 31, 1934. Said representative will meet prospective bidders at the Kern Hotel in Delano on Friday, Jan. 19 and Thursday, Jan. 25, at 9 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates.

AWARD

RIVERSIDE COUNTY, Cal.—Oswald Bros., 366 E. 58th St., Los Angeles, at $89,467 awarded contract by State Highway Commission, Sacramento, for grading and surfacing about 2 miles between Cabazon and Whitewater, in Riverside County.

AWARD

SAN DIEGO COUNTY, Cal.—Walter Trepte, 211 Scripps Bldg., San Diego, at $44,586 awarded contract by State Highway Commission, Sacramento, for grading and surfacing about 2.7 miles between San Diego and Point Loma in San Diego County.

AWARD

AMADOR COUNTY, Cal. — Hemstreet & Bell, P. O. Box 215, Marysville, at $57,413 awarded contract by State Highway Commission, Sacramento, for grading, and surfacing about 3.4 miles between four miles west of Pine Grove and ½ mile west of Pine Grove in Amador County.

AWARD

KERN COUNTY, Cal.—George K. Thompson, 2301 W. 9th St., Los Angeles, at $61,905 awarded contract by State Highway Commission, Sacramento, for grading and treating with fuel oil about 8 miles between Route 140 and Route 58, in Kern County.

BIDS WANTED

VALLEJO, Cal.—Until January 24, 11 A. M., bids will be received by the City Council of Vallejo, for repaving with asphalt concrete between existing gutter on Fourth St., from Lemon St. to Cherry St., involving 28 ft. x 1200x6-in. asphalt concrete.

Specifications obtainable from above office. No deposit required. Alfred E. Edgcumbe, City Clerk, Vallejo. T. D. Kilkenny, City Engineer.

TO TEST CODE

SAN MATEO COUNTY, Cal.—Award of a contract for grading and paving between Edgemar Road and State Highway Route No. 2 will be delayed indefinitely, by a suit filed to test validity of the State Code for Excavators and Dump Truck Contractors. D. McDonald, Jones & King and F. O. Bohnett, submitted low bid at $178,546.,

BIDS OPENED

WHITMAN COUNTY, Wash.—G. D. Lyon & Co., Spokane, Wash., at $116,655 submitted low bid to State Highway Department, Olympia, Wash., for grading and surfacing with crushed stone about 6.8 mi. of the Pullman to Moscow Road, Pullman to Idaho State Line, U. S. Public Works Project No. NRS 204-A, in Whitman County.

Clifton & Applegate, Spokane, Wash. at $121,142 submitted second low bid; third low, Redmon Turner, Inc., Yakima, Wash., at $122,874.

BIDS OPENED.

LOS ANGELES, Cal.—H. E. Cox & Son, 303 Slavin Bldg., Pasadena, at $23,554.67 submitted low bid to Los Angeles Board of Public Works for grading and paving Van Nuys Blvd. between Chandler Blvd. and Ventura Blvd. under cash contract. Other bids were: Griffith Co., Los Angeles, $24,340.99; J. L. McClain, $24,783.51, and Geo. R. Curtis, $25,223.67.

AWARD.

PIERCE COUNTY, Wash.—Paine Gallucci, Inc., Tacoma, at $92,714.00 awarded contract by State Highway Department, Olympia, for widening about 4.1 miles of State Road No. 5, Pacific Avenue in Tacoma; U. S. Public Works Project No. NRM 159-C, in Pierce County.

Joe Warter, Sr., Tacoma, at $96,721 submitted only other bid. L. V. Murrow, director of highways.

AWARD.

KING COUNTY, Wash.—Moceri Bros., Seattle, at $103,126 (Schedule A) awarded contract by State Highway Department, Olympia, for paving with Portland cement concrete about 1.5 miles of State Road No. 1, Fourth Avenue South in the City of Seattle; Unit 2 of U. S. Public Works Project No. NRM 150-D, in King County.

L. V. Murrow, Director of Highways.

BIDS REJECTED.

COWLITZ COUNTY, Wash. — All bids received by State Highway Department, Olympia, for paving about 1.9 miles of State Road No. 12, Longview west, in the City of Longview; U. S. Public Works Project No. NRH 167-G and NRM 167-H, in Cowlitz Co.

L. V. Murrow, Director of Highways.

AWARD.

SPOKANE COUNTY, Wash.—Chas. A. Power, Seattle, at $127,821 awarded contract by State Highway Department, Olympia, for grading and paving with Portland cement concrete about 1.6 miles of State Road No. 2, Spokane west, in and adjoining the City of Spokane; U. S. Public Works Projects No. NRH 156-C and NRM 156-D, in Spokane County.

L. V. Murrow, Director of High-

BIDS REJECTED.

GRAYS HARBOR, Wash.—All bids received by State Highway Department, Olympia, for paving with Portland cement, etc., about 1.7 miles of State Road No. 9 in the City of Aberdeen; U. S. Public Works Projects No. NRM 54 - B and NRH 54 - C, in Grays Harbor County, were rejected.

L. V. Murrow, Director of Highways.

AWARD.

WHITMAN COUNTY, Wash.—G. D. Lyon & Co., Spokane, at $116,655.00 awarded contract by State Highway Department, Olympia, for grading and surfacing about 6.8 miles of the Pullman to Moscow road, Pullman to Idaho State Line; U. S. Public Works Project No. NRS 204-A, in Whitman County.

L. V. Murrow, Director of Highways.

AWARD.

THURSTON COUNTY, Wash.—Alex Besoloff Co., Seattle, at $82,577 was awarded contract by State Highway Department, Olympia, for grading about 6.4 miles of State Road No. 1, Olympia to Nisqually, in Thurston County.

L. Colucclo & Co., Seattle, at $91,998 submitted second low bid; third, R. J. Odman & Co., Seattle, at $92,391.00.

L. V. Murrow, Director of Highways.

BIDS WANTED

TRINITY COUNTY, Cal. — Until January 30, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section E of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity Co. The work involves the following approximate quantities:

(1) 21 acres clearing;
(2) 80,000 cu. yds. unclass. excav.;
(3) 1180 cu. yds. unclass excav. for strucs.;
(4) 52,000 sta. yds. overhaul;
(5) 4.788 miles finish earth graded road;
(6) 17 M.F.B.M. treated timber in place;
(7) 305 cu. yds. concrete;
(8) 21,800 lbs. rein. steel;
(9) 1866 lin. ft. C.M.P.;
(10) 50 cu. yds. hand-laid riprap in place;
(11) 100 each R/W monuments;
(12) 2 each spillway gates;
(13) 5000 lin. ft. remove and reset fence;
(14) 148 sq. yds. bit. wearing surf. in place.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

AWARD.

YAKIMA COUNTY, Wash.—Elliott & Co., Seattle, at $179,794 awarded contract by State Highway Department, Olympia, for grading about 12.7 miles of State Road No. 5, Oak Flat to Nelson's Bridge in Yakima County.

Myers & Goulter, Seattle, at $197,-959 submitted second low bid; third, Colonial Bldg. Co., Spokane, at $203,-606.00.

L. V. Murrow, Director of Highways.

AWARD.

KING CO., Wash.—Puget Sound Bridge & Dredging Co., Seattle, at $37,655 awarded contract by the State Highway Department, Olympia, for grading about 1 mile of State Road No. 1, 4th Avenue south, in Seattle; Unit 1 of U. S. Public Works Project No. NRM 150-D, in King County.

BIDS WANTED

SHASTA COUNTY, Cal. — Until February 1, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for placing crushed rock subgrade reinforcement on 4.488 miles Section A of Route 75, the Manzanita Lake National Forest Highway, Lassen Nat'l. Forest, Shasta County. The work involves the following approximate quantities:

(1) 12,000 tons subgrade reinforcement
(2) 1000 tons supplemental do;
(3) 1000 cu. yds. unclass. excav.;
(4) 600 M. gals. watering;
(5) 24,000 gals. liquid asph. road material;
(6) 7500 cu. yds. stockpiling subgr. reinf.;

Plans and specifications obtainable from above office upon deposit of $10. C. S. Sweetser, District Engineer.

BIDS WANTED

SHASTA COUNTY, Cal. — Until February 13, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section F of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Lassen National Forest, Shasta County. The work involves the following approximate quantities:

(1) 61,500 cu. yds. unclass excav.;
(2) 1550 cu. yds. unclass. excav. for structures;
(3) 124,000 cu. yds. unclass. excav. for borrow;
(4) 51,000 cu. yds. ml. borrow haul;
(5) 13.157 ml. finishing earth graded road;
(6) 41,000 cu. yd. mile borrow haul;
(7) 5 M.F.B.M. untreated timber in place;
(8) 716 cu. yds. concrete;
(9) 75,600 lbs. reinf. steel;
(10) 400 lbs. bronze bearing plates;
(11) 3686 lin. ft. C.M.U. in place;
(12) 800 lin. ft. metal flume;
(13) 50 cu. yds. hand-laid riprap in place;
(14) 18,700 lin. ft. remove and reset fence;
(15) 208 lin. ft. remove and stockpile exist. CMP;
(16) 48 each R/W monuments.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

BIDS WANTED

CHURCHILL COUNTY, Nevada—Until January 24, 2 P. M., bids will be received by Director of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, Nevada, for reconstructing 4.98 mi. of State Highway System, between Fallon and 5 miles South, Route 2, Sect. C3, in Churchill County, involving:

	Prop. No.1	Prop. No. 2	sum);
(1)	53	53	acres clearing and grubbing;
(2)	108,700	108,700	cu. yds. rdwy. excav.;
(3)	18,161	18,161	sta. yds. overhaul
(4)	56,382	56,382	cu. yds. select borrow;
(5)	1,100	1,100	cu. yds. struc. excav.;
(6)	0.30	0.30	mi. subgrd 4-ft. width;
(7)	4.67	4.67	mi. subgr. 33-ft. width;
(8)	22,200	10,700	tons select cru. base;
(9)	5,826	5,826	cu. yds. salvaged base;
(10)	8,200	.....	tons plant-mix asph. surface;
(11)	.....	10,800	tons cru. gravel or stone surf.;
(12)	.....	11,500	tons cru. grav. do
(13)	.....	4.98	ml. road mix;
(14)	.....	1,690	tons base rock;
(15)	.....	614	tons coarse screenings;
(16)	.....	369	tons fine screenings;
(17)	21,458	.....	gals. asph. road material, Type SC-1A;
(18)	7,920	117,668	gals. asph. road materials, Type SC-2;
(19)	9,731	9,731	gals. asph. road material, Type MC-2;
(20)	.....	65,850	gals. emuls. asph;
(21)	1,961	1,961	M. gals. water;
(22)	4.97	4.97	mi. shoulders;
(23)	2	2	each move headwalls;
(24)	10	10	each remove headwalls;
(25)	204	204	cu. yds. remove concrete;
(26)	267	267	lin. ft. remove pipe culverts;
(27)	267	267	lin. ft. relay pipe culvert;
(28)	348	348	cu. yds. Class A concrete;
(29)	3	3	cu. yds. Class B concrete;
(30)	50	50	cu. yds. Class D concrete;
(31)	33,500	33,500	lbs. reinf. steel;
(32)	6,500	6,500	lbs. struc. steel;
(33)	5.34	5.34	M.F.B.M redwood
(34)	130	130	lin. 12-in. corrn. metal pipe;
(35)	316	316	lin. ft. 18-in. do;
(36)	416	416	lin. ft. 24-in. do;
(37)	672	672	lin. ft. 36-in. do;
(38)	28	28	each monuments
(39)	20,450	20,450	lin. ft. remove fence;
(40)	442	442	lin. ft. reconstr. fence;
(41)	19,359	19,359	lin. ft. reconstr. fence;
(42)	.....	.....	misc. items (lump
(43)	4.98	4.98	mi. finish rdwy.

Alternate proposals are requested for plant-mix asphaltic surface or road-mix asphaltic surface with armor coat.

Plans and specifications obtainable from above office upon deposit of $5 ($2.50 returnable).

BID WANTED

SISKIYOU AND SHASTA COUNTIES, Cal.—Until February 13, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing crushed gravel subgrade reinforcement on Section D and portion or Section E of Route 77, of the Mt. Shasta-Mt. Lassen National Forest Highway, Shasta National Forest, Siskiyou and Shasta Counties. The work involves the following approximate quantities:

(1) 20,000 cu. yds. unclass. excav.;
(2) 18.311 mi. fine grading, subgrade and shoulders;
(3) 51,000 tons subgrade reinforcement
(4) 2000 tons supplemental do;
(5) 3600 M. gals. watering;
(6) 25,000 cu. yds. stockpile subgrade reinf.;
(7) 4750 cu. yd. mi. haul unclass. excav
(8) 110,000 gals. liquid asph. road material.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

BIDS WANTED.

BEVERLY HILLS, Los Angeles Co. Cal.—Until Feb. 1, 10 A. M., bids will be received by the Beverly Hills city council for resurfacing Camden Drive between Santa Monica Blvd. and Benedict Canyon Drive, involving:

(1) 208,810 sq. ft. resurfacing;
(2) 2,372 tons asphalt conc. topping, fine mixture.

B. J. Firminger, city clerk.

AWARD

PIERCE COUNTY, Wash.—Joslin & McAllister Co., Spokane, Wash., at $63,702 awarded contract by the U. S. Bureau of Public Roads, for resurfacing the White River Road Project Nos. NR-3 B1, B2, B3 and applying oil rock on the Mt. Rainier National Park Road Project in Pierce County.

Complete bids published Dec. 27.

BIDS WANTED.

PRESCOTT, Yavapai Co., Arizona—Until February 6, 2 P. M., bids will be received by Arizona State Highway Commission, Phoenix, for constructing the Prescott-Phoenix Highway Project NRM 72-D. The work, which is located within the city limits of Prescott, consists of the grading of the roadway, placing base course and mineral aggregate, to oil process by the road mix method, and to construct curbs and gutters, and other incidental work and is to be completed on or before April 15. The principal items are:

(1) 5,700 cu. yds. rdwy. excav.;
(2) 4,600 cu. yds. agg. base course (CIP);
(3) 137 sq. yds. conc. pavement;
(4) 1,400 cu. yds. mineral aggregate (CIP);
(5) 40,000 gals. road oil;
(6) 0.5 mile processing road mix;
(7) 26 tons emulsified asphalt;
(8) 3,950 lin. ft. combined curb and gutter;
(9) 720 lin. ft. valley gutter;
(10) 1,125 sq. ft. conc. sidewalk;
(11) other incidental items.

Plans and specifications obtainable from the above office. T. S. O'Connell state highway engineer.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BIDS OPENED

LOS ANGELES, COUNTY, Cal.—Byerts & Dunn, 7908 Santa Monica Blvd., Los Angeles, at $26,313 submitted low bid to the State Highway Commission, Sacramento, for construction of a reinforced concrete girder bridge on State Street across Ramona Blvd. in the City of Los Angeles, consisting of 2 spans approximately 44 ft. in length as an extension of the existing bridge, involving:

1) remove and dispose of portions of existing structures;
2) 4,700 cu. yds. rdwy. excav., unclassification;
3) 770 cu. yds. struc. excav.;
4) 833 cu. yds. Class A Port. cem. conc. struc.;
5) 25 cu. yds. Class C Port. cement concrete;
6) 194 lin. ft. ornamental concrete railing;
7) 113,400 lbs. bar reinf. steel;
8) 115 tons asph. conc. wearing surf.
9) 1 lot lighting equipment;
10) 1 lot storm drains;
11) 1 lot sanitary sewers.

Complete bids follow:

A) Byerts and Dunn, Los Angeles, $26,313.
B) Andy Sordal, Long Beach, $27,816.70.
C) Bannister-Field Co., Ltd. and Fred E. Potts Co., L. A., $28,322.20.
D) Weymouth Crowell Co., Los Angeles, $21,000.

Unit bids follow:

	(A)	(B)	(C)	(D)
1)....	$1500.00	$1200.00	$870.00	$377.00
2)....	.30	.42	.36	.625
3)....	1.00	1.00	1.20	1.53
4)....	18.00	18.10	20.00	20.15
5)....	10.00	10.80	9.00	7.80
6)....	7.00	6.00	5.35	5.80
7)....	.04	.041	.04	.05
8)....	3.00	3.80	4.75	4.20
9)....	350.00	600.00	540.00	880.00
10)....	300.00	775.00	411.00	480.00
11)....	500.00	900.00	880.00	890.00

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BIDS OPENED

WILLOW GLEN, Cal.—Following bids received by the Willow Glen City Council for the construction of Portland cement concrete curbs and gutters, together with driveways and sidewalks on both sides of Lincoln Ave., Willow Glen. Bids were taken as follows:

1) 197 cu. yds. Portland cem. curbs and gutters;
2) 60 cu. yds. do, driveways and gutters.
3) 9 cu. yds. Portland cem. concrete sidewalks.

Complete bids follow:

(A) Pacific Truck Service Inc., San Jose.
(B) Albany Cement Contractors, Albany.
(C) L. C. Plazza, San Jose.
(D) J. C. Bateman, San Jose.
(E) Earl W. Heple, San Jose.
(F) O. G. Ritchle, San Jose.

	(1)	(2)	(3)	Total
(A).....	$ 9.35	$ 8.90	$ 8.95	$2360.53
(B).....	11.30	14.00	15.00	3125.50
(C).....	11.64	11.64	9.00	2947.08
(D).....	9.85	9.10	9.35	2416.00
(E).....	10.50	10.50	10.50	2688.00
(F).....	13.35	13.80	13.00	3363.45

H. N. Bishop, City Engineer.

VENTURA COUNTY—OVERHEAD CROSSING—(STATE)

VENTURA COUNTY, Calif.—Lindgren & Swinerton, 625 Standard Oil Bldg., San Francisco, at $83,975 submitted low bid to the State Highway Commission, Sacramento, for construction of an overhead crossing over the tracks of the Southern Pacific Company near Ventura, consisting of nine 40-ft. and two 57-ft. 7 9/16-in. reinforced concrete girder spans and one 94-ft. 10⅝-in. steel span, in Ventura County.

Complete bids follow:

(A) Lindgren & Swinerton, San Francisco, $83,975.00.
(B) Byerts & Dunn, Los Angeles, $89,792.50.
(C) Bodenhamer Const. Co., Oakland, $94,774.50.
(D) R. H. Travers, Los Angeles, $94-909.00.
(E) Sharp & Fellows Contr. Co., Los Angeles, $94,978.50.
(F) Merritt, Chapman & Scott Corp., San Pedro, $95,033.70.
(G) M. B. McGowan, San Francisco, $95,333.00.
(H) Clinton Const. Co., San Francisco, $96,375.25.
(I) Weymouth-Crowell, Los Angeles, $96,704.80.
(J) Bannister-Field & Fred E. Potts Co., Los Angeles, $97.471.75.
(K) Theo. A. Byer Corp., Anaheim, $100,798.00.
(L) R. E. Campbell, Los Angeles, $102,724.20.
(M) H. M. Baruch Corp., Los Angeles $107,660.50.
(N) Andy Sordall, Long Beach, $109,791.31.
(O) Lynch Cannon Engr. Co., Los Angeles, $111,206.00.

Unit items follow:

(1) 2,700 cu. yds. struc. excav.;
(2) 3,025 cu. yds. Class A Port. cem. conc. struc.;
(3) 35 cu. yds. Class A Portland cem. conc. railing;
(4) 518,000 lbs. bar. reinf. steel;
(5) 125,000 lbs. struc. steel;
(6) 3,300 lbs. cast steel;
(7) 1 lot guniting;
(8) 125 tons oil treated crushed gravel or stone detour;
(9) 500 lin. ft. laminated timber gd. rail;
(10) 540 lin. ft. temporary railing;
(11) 1 lot misc. items of work.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1).....	$ 1.00	$ 1.50	$ 1.00	$ 1.50	$ 1.00	$ .51	$ 2.20	$ 1.23
(2).....	16.40	15.50	18.50	18.00	19.50	18.00	18.00	18.45
(3).....	46.00	60.00	55.00	50.00	40.00	69.15	40.00	92.30
(4).....	.037	.04	.046	.041	.04	.043	.0375	.0382
(5).....	.0446	.045	.05	.045	.0476	.0475	.0575	.047
(6).....	.16	.15	.18	.20	.20	.1925	.16	.136
(7).....	2400.00	2500.00	1400.00	2000.00	2700.00	3548.00	3600.00	2932.00
(8).....	3.60	3.00	3.00	4.00	3.00	5.90	6.00	3.42
(9).....	.90	1.00	1.00	.90	1.00	.70	1.20	1.19
(10).....	.98	1.00	1.00	.90	.90	.78	1.00	1.19
(11).....	1000.00	6000.00	700.00	3000.00	500.00	2883.00	912.50	3304.00

	(I)	(J)	(K)	(L)	(M)	(N)	(O)
(1).....	$ .77	$ 1.00	$ 1.20	$ 3.50	$ 3.50	$ 1.72	$ 1.00
(2).....	18.35	19.00	19.70	19.20	21.90	22.50	21.00
(3).....	55.00	53.00	40.00	68.50	70.00	57.24	100.00
(4).....	.0453	.043	.0425	.04	.035	.044	.05
(5).....	.0416	.054	.0625	.049	.045	.04	.05
(6).....	.133	.20	.19	.125	.11	.13	.12
(7).....	3680.00	3000.00	3000.00	2780.00	2700.00	3778.41	2000.00
(8).....	3.75	4.75	5.00	4.40	3.00	3.60	5.00
(9).....	.85	1.05	.80	.60	.50	.70	1.00
(10).....	1.00	.90	.90	.53	.50	.80	1.50
(11).....	1724.00	1153.00	1600.00	1623.00	1800.00	1850.00	5000.00

VALE, OREGON—AGENCY VALLEY DAM—(GOVT.)

VALE, Oregon.—As previously reported, Hinman Bros. Const. Co., Denver, at $496,286.10 submitted low bid to the Bureau of Reclamation, Vale, Oregon, under Spec. No. 560, for the construction of the Agency Valley Dam located on the North Fork of the Malheur River, Vale Project, Vale, Oregon. Complete bids follow:

(A) Hinman Bros. Const. Co., Denver $496,286.10.
(B) Utah Const. Co., and Morrison-Knudsen, Boise, Idaho. $529,551.00.
(C) Max J. Kuney Co., Spokane, $532-060.30.
(D) C. T. Malcolm and Gist & Bell, Portland, $572,349.10.
(E) P. L. Crooks & Co., Inc., Portland, $697,647.50.
(F) Guthrie McDougall Co., Portland, $712,146.30.

Unit quantities follow:

(1) lump sum diversion and care of river during const. & unwatering foundations;
(2) lump sum dismantling and storage highway bridge;
(3) 35,000 cu. yds. stripping for embankment;
(4) 5,400 cu. yds. common excav. for spillway and tunnel inlet and outlet;
(5) 48,000 cu. yds. excav., rock, do;
(6) 2,800 cu. yds. excav., all classes, in tunnel;
(7) 39,000 cu. yds. common excav. for toe drains and cut - off trenches;
(8) 1,000 cu. yds. excav. rock do;
(9) 400 cu. yds. excav., rock, for concrete cut-off walls, to depth of not more than 10 ft.;
(10) 100 cu. yds. do below 10 ft. depth and not to exceed 20 ft.;
(11) 533,000 cu. yds. excav., common, in borrow pits;
(12) 2,500 cu. yds. backfill about struc.
(13) 480,000 cu. yds. earth fill in embankment;
(14) 77,000 cu. yds. rock fill on downstream slope of embankment;
(15) 28,500 cu. yds. dumped riprap on upstream slope of embankment;
(16) 600 lin. ft. const. 12-in. dia. clay pipe drains;

(17) 1,200 lin. ft. const. 8-in. do;
(18) 500 lin. ft. const. 6-in. do;
(19) 250 lin. ft. const. 4-in. do;
(20) 200 lin. ft. const. 6-in. dia. cast iron pipe drains;
(21) 300 lin. ft. construct wooden V drains about gate chamber;
(22) 12,000 lin. ft. drilling grout holes not more than 25 ft. deep;
(23) 1,000 lin. ft. drilling grout holes more than 25 ft. and not more than 50 ft. deep;
(24) 2,500 lbs. installing grout pipe & fittings;
(25) 5,000 cu. ft. pressure grouting;
(26) 3,600 lin. ft. drilling holes for anchor bars and grouting bars in place;
(27) 1,170 cu. yds. concrete in cut-off walls;
(28) 70 cu. yds. concrete in trash rack struc. and transition;
(29) 1,020 cu. yds. concrete in tunnel;
(30) 180 cu. yds. conc. in gate chamber;
(31) 140 cu. yds. conc. in needle valve struc.;
(32) 45 cu. yds. concrete in needle valve house;
(33) 700 cu. yds. concrete in parapet and curb walls;
(34) 1,500 cu. yds. concrete in spillway upstream from Sta. 6+72.52
(35) 1,200 cu. yds. concrete in spillway downstream from Sta. 6+72.52;
(36) 385,000 lbs. placing reinf. bars;
(37) lump sum construct needle valve house, except concrete;
(38) 50 cu. yds. rubble-conc. paving;
(39) 128 sq. yds. lay asphalt wearing surf. on floor of spillway bridge
(40) 22,000 lbs. install trash rack metal work;
(41) 52,200 lbs. install high-pressure hydraulically operated gates and conduit lining;
(42) 57,000 lbs. install outlet pipes;
(43) 10,300 lbs. install metal walkway and stairways;
(44) 53,500 lbs. install balance needle valves;
(45) 98,000 lbs. install radial gates and operating mechanisms;
(46) 9,370 lbs. install stand. pipe, fittings and valves;
(47) 1,080 lin. ft. install elec. metal conduit not larger than 1-in. dia.;
(48) 330 lin. ft. do larger than 1-in. and not larger than 1½-in. dia.;
(49) lump sum install electric conductors and apparatus.

C. C. Ketchum, Supt.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$3,400.00	$4,000.00	$4,000.00	$4,000.00	$13,000.00	$5,000.00
(2)	500.00	1,000.00	1,000.00	500.00	500.00	750.00
(3)	.60	.30	.40	.60	.70	.52
(4)	.60	.50	.80	.50	.70	.70
(5)	1.40	1.25	1.00	1.60	1.30	2.15
(6)	9.50	8.50	10.00	8.50	10.00	7.50
(7)	.64	.40	.40	.50	.70	1.60
(8)	2.50	3.00	1.00	2.00	4.00	3.00
(9)	5.00	5.00	5.00	4.00	8.00	6.00
(10)	8.00	10.00	8.00	10.00	12.00	15.00
(11)	.29	.32	.40	.275	.46	.25
(12)	.40	.40	1.00	.50	.70	1.00
(13)	.10	.12	.10	.21	.10	.30
(14)	.20	.40	.40	.30	.65	.45
(15)	.30	.78	.10	.60	.70	.60
(16)	.60	.60	1.00	.75	1.00	.55
(17)	.40	.40	.50	.75	.80	.45
(18)	.30	.30	.50	.50	.60	.35
(19)	.30	.30	.50	.40	.40	.28
(20)	.50	.60	1.00	.50	.60	.45
(21)	.30	.50	1.00	.30	.80	.75
(22)	.40	.50	.50	.70	1.00	.60
(23)	1.00	1.50	1.00	2.50	2.00	3.00
(24)	.10	.15	.20	.10	.15	.25
(25)	1.00	1.25	.70	1.00	1.50	1.50
(26)	.40	.30	.50	.60	.75	1.50
(27)	9.50	10.50	10.00	12.00	20.00	20.00
(28)	15.00	18.00	15.00	20.00	30.00	21.00
(29)	16.00	17.00	5.00	16.00	20.00	18.00
(30)	18.00	20.00	20.00	20.00	25.00	18.00
(31)	15.00	16.00	20.00	20.00	25.00	17.50
(32)	24.00	30.00	20.00	30.00	40.00	25.00
(33)	13.50	13.00	12.00	12.00	23.00	17.00
(34)	15.00	14.00	12.00	16.00	17.00	17.00
(35)	13.00	14.00	10.00	15.00	17.00	18.00
(36)	.015	.02	.02	.0175	.02	.03
(37)	250.00	500.00	500.00	1,000.00	1,000.00	500.00
(38)	6.00	6.00	5.00	7.00	20.00	5.00
(39)	1.00	2.00	1.00	1.00	2.00	.50
(40)	.03	.03	.03	.03	.03	.02
(41)	.05	.06	.07	.04	.03	.035
(42)	.03	.03	.03	.03	.03	.045
(43)	.03	.07	.07	.05	.03	.04
(44)	.06	.05	.07	.05	.03	.03
(45)	.04	.03	.07	.03	.03	.035
(46)	.08	.10	.07	.08	.05	.19
(47)	.15	.20	.20	.15	.15	.35
(48)	.25	.30	.20	.30	.20	.50
(49)	500.00	400.00	500.00	700.00	800.00	250.00

BACHELOR OFFICERS' QUARTERS—HAMILTON FIELD

HAMILTON FIELD, Marin Co., Cal.—San Francisco Const. Co., 3159 Fillmore St., San Francisco, at $83,800 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the construction of Bachelor Officers' quarters at Hamilton Field.

Total bids follow:

(A) San Francisco Const. Co., San Francisco, $83,800.
(B) William Spivock, San Francisco, $86,100.
(C) Young & Horstmeyer, San Francisco, $86,422.
(D) Azevedo & Sarmento, Sacramento, $88,000.
(E) H. L. Petersen, San Francisco, $88,785.
(F) K. E. Parker Co., San Francisco, $90,275.

BIDS OPENED

ARIZONA STATE—Geo. K. Thompson, 2301 W. 9th St., Los Angeles, at $249,057.45 submitted low bid (as previously reported) to the Arizona State Highway Commission, Phoenix, for highway construction on N.R.H. 99-F, Globe-Showlow - A. F. E. 6019. The work, which begins about ½ mile northeast of the Salt River Bridge and extends northeasterly approximately 3 miles, consists of grading and draining, and is to be completed on or before September 30, 1934, involving:

(1) 250,257 cu. yds. rdwy. excav. unclass;
(2) 1782 cu. yds. struc. excav. unclass
(3) 3889 cu. yds. drainage excav. unclass.;
(4) 500 cu. yds. borrow excav. unclass;
(5) 71,990 sta. yds. earthwork overhaul;
(6) 20,000 cu. yds. slides and overbreakages;
(7) 98 cu. yds. Class A conc. (incl. cement);
(8) 3472 lbs. reinf. steel (complete in place);
(9) 912 lin. ft. 24-in. CMP (CIP incl. bands);
(10) 456 lin. ft. 30-in. CMP do;
(11) 400 lin. ft. 36-in. CMP do;
(12) 252 lin. ft. 42-in. CMP do;
(13) 218 lin. ft. 48-in. CMP do;
(14) 724 lin. ft. 48-in. CMP (8 gauge, CIP incl. hands);
(15) 104 lin. ft. 54-in. CMP (CIP incl. bands);
(16) 11,200 lin. ft. cable rd. guard, type A (CIP);
(17) 124 each right-of-way markers (CIP);

ALTERNATE—(in lieu of Item 16):

(16a) 11,200 lin. ft. steel plate road guard (CIP).

Complete bids follow:

(1) Cable Road Guard; (2) Steel Plate Road Guard:

(A) George K. Thompson, Los Angeles, (1) $249,057.45; (2) $249,-057.45.
(B) George W. Orr, Bisbee, Arizona, (1) $253,259.36; (2) $253,259.36.
(C) Lee Moor Contracting Co., El Paso, Texas, $308,873.40; (2) $311,113.40.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ .75	$ .80	$ 1.00
(2)	2.50	1.50	1.50
(3)	1.50	.80	.90
(4)	.60	.60	.50
(5)	.02	.02	.03
(6)	.5625	.60	.75
(7)	30.00	22.00	25.00
(8)	.10	.08	.08
(9)	3.60	3.25	3.67
(10)	4.50	3.75	4.72
(11)	6.60	6.00	6.40
(12)	8.00	7.00	7.57
(13)	11.00	10.00	10.90
(14)	11.50	11.00	12.96
(15)	11.00	10.00	11.40
(16)	1.10	.95	.80
(17)	5.00	3.50	3.50
(16a)	1.10	.95	1.00

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BIDS OPENED

SAN FRANCISCO—Webster Jeffers, 425 Bosworth St., San Francisco, at $1822.94 ($0.0898) submitted low bid to S. J. Hester, Chief Deputy Director, Department of Public Works, for construction of sidewalks along Alemany Blvd., Sec. C from Ocean Ave. to Onondaga Ave. Complete bids follow:

Webster Jeffers, S. F. $0.0898
Stare Concrete Co., S. F. 0.1012
M. J. Lynch, S. F. 0.108
M. E. Vukicevich, S. F. 0.11
Love & Haun, S. F. 0.1120
E. J. Treacy, S. F. 0.117
D. C. McCabe, S. F. 0.12
D. O'Connor, S. F. 0.1212
M. Bertolino, S. F. 0.17

nstalled in all rooms and corridors, f first and second floors (except lob-y, baths, toilets and kitchen) in lieu f oak floors, add;
(3) If building is shortened 29 ft. y omitting section "B-B" and re-ulting elevations are constructed as hown on drawing, deduct;
(4) Excavation (unclassified) per cu. d.;
G) Schuler & McDonald, Oakland, $91,000.
Complete bids follow:
(1) job complete;
(2) If $\frac{3}{8}$-in. battleship linoleum is
(5) Concrete, Type "A", including forms, per cu. yd.;
(6) Concrete Type "B," including forms, per cu. yd.;
(7) Reinforcing steel, per ton;
(8) Common brick, per M.;
(9) 4-in. partition tile (in place) per sq ft.;
(10) 8-in. partitions tile do;
(11) 6x6" quarry tile (in place) per sq. ft.;
(12) $\frac{3}{8}$-in. battleship linoleum, per sq. yd.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
1).....	$83,800.00	$86,100.00	$86,422.00	$88,000.00	$88,785.00	$90,275.00	$91,000.00
2).....	1,114.00	770.00	100.00	1,100.00	721.00	650.00	370.00
3).....	5,700.00	9,400.00	10,758.00	9,075.00	9,875.00	9,880.00	16,000.00
4).....	1.00	.50	1.00	1.50	.50	1.00	1.50
5).....	14.50	14.00	15.00	16.00	12.00	13.75	14.50
6).....	16.50	14.50	16.00	16.50	15.50	14.50	15.00
7).....	77.10	80.00	80.00	80.00	76.50	72.00	80.00
8).....	55.00	45.00	35.00	50.00	50.00	55.00	33.00
9).....	.18	.18	.20	.15	.18	.155	.20
10).....	.37	.35	.40	.30	.34	.38	.35
11).....	.60	.90	.60	.45	.70	.54	.65
12).....	1.55	1.60	1.45	1.50	1.75	1.61	1.75

LOS ANGELES COUNTY—EXTEND BRIDGE—(STATE)

LOS ANGELES COUNTY, Cal.—Joseph R. Lippincott, 543 Petroleum Securities Bldg., Los Angeles, at $16,-886.25 submitted low bid to the State Highway Commission, Sacramento, for the construction of an extension to the existing bridge, about 1 mile east of Los Angeles, consisting of one 39-ft. 6-in. reinforced concrete girder span on concrete piers, involving:
(1) 1000 cu. yds. stripping;
(2) 1 lot shoring;
(3) 1500 cu. yds. struc. excav.;
(4) 110 cu. yds. conc. removed and disposed of;
(5) 1 only detour bridge;
(6) 490 cu. yds. Class A Portland cement concrete;
(7) 72,000 lbs. bar reinf. steel;
(8) 730 lbs. bronze expansion plated;
(9) 74 lin. ft. ornamental conc. railing;
(10) 575 lbs. pipe handrail;
(11) 120 lin. ft. pipe drain;
(12) 1 lot lighting equipment;
(13) 1 lot miscellaneous items of work

Complete bids follow:
(A) J. R. Lippincott, Los Angeles, $16,886.25.
(B) Byerts & Dunn, Los Angeles, $17,-382.50.
(C) R. H. Travers, Los Angeles, $17,-591.
(D) Weymouth Crowell Co., Los Angeles, $17,696.80.
(E) Jones Bros., Beverly Hills, $18,-500.
(F) Jahn & Bressi Constr. Co., Los Angeles, $18,968.30.
(G) Contracting Engineers, Inc., Los Angeles, $19,236.50.
(H) Creighton, Inc., Los Angeles, $20,682.80.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1).....	$ 1.30	$ .90	$ .80	$ .65	$ 1.15	$ 1.00	$ 1.50	$ 2.65
(2).....	400.00	1000.00	1200.00	272.00	600.00	486.00	500.00	706.00
(3).....	1.00	1.25	1.50	1.50	1.30	1.10	1.00	1.23
(4).....	10.00	3.00	6.00	12.80	12.00	4.50	4.00	10.00
(5).....	575.00	1000.00	500.00	457.00	825.00	1690.00	1000.00	916.00
(6).....	16.00	16.00	15.50	16.30	17.60	17.10	16.50	18.40
(7).....	.04	.04	.0375	.045	.04	.045	.04	.0398
(8).....	.40	.30	.50	.39	.30	.32	.30	.53
(9).....	4.00	4.00	6.50	2.90	1.50	6.00	5.00	2.70
(10).....	.35	.30	.20	.30	.25	.49	.30	.18
(11).....	2.00	1.00	1.25	1.30	.60	1.10	1.00	1.80
(12).....	65.00	100.00	170.00	280.00	150.00	189.00	150.00	193.00
(13).....	197.00	600.00	600.00	325.00	461.00	748.00	2300.00	485.00

BIDS OPENED.

SANTA BARBARA COUNTY, Calif.—J. E. Haddock, Ltd., 357 N Chester Ave., Pasadena, at $198,426.55 submitted low bid to State Highway Commission, Sacramento, for grading and paving with asphalt concrete on a Portland cement concrete base about 1.7 miles between Mission Street and Hollister Avenue in Santa Barbara, Santa Barbara County.

Complete bids follow:
(A) J. E. Haddock, Ltd., Pasadena, $198,426.55.
(B) United Concrete Pipe Corp., $199-390.00.
(C) M. J. Bevanda, Stockton, $206,-844.80.
(D) Sander Pearson, Santa Monica, $214,375.73.
(E) Griffith Co., Los Angeles, $244,-296.05.

Unit quantities follow:
1) 68 sta. clear and grub right of way;
2) 121,450 cu. yds. rdwy. excav., unclassified;
3) 1,280,100 sta. yds. overhaul;
(4) 21,000 cu. yds. select material;
(5) 2,665 cu. yds. struc. excav.;
(6) 46,850 sq. yds. subgrade for pave.
(7) 49,200 sq. yds. asph. paint binder;
(8) 8,200 cu. yds. Port. cem. conc. pavement;
(9) 7,675 tons asph. conc.;
(10) 480 tons crusher run base;
(11) 250 tons broken stone bit. macadam;
(12) 15 tons asph. road oil bit. macadam;
(13) 647 cu. yds. Class A Port. cement concrete struc.;
(14) 61,100 lbs. bar reinf. steel;
(15) 168 lin. ft. 8-in. CMP;
(16) 904 lin. ft. 18-in. CMP;
(17) 66 lin. ft. 24-in. CMP;
(18) 170 lin. ft. 36-in. CMP;
(19) 5 each drop inlet fraces and covers complete in place;
(20) 8 each spillway assemblies;
(21) 423 sq. yds. paved gutters and inlet aprons;
(22) 68 cu. yds. conc. remove and dispose of;
(23) 5,065 lin. ft. laminated timber guard rail;
(24) 113 each timber guide posts;
(25) 21 each timber culvert markers;
(26) 4.7 miles property fences;
(27) 18 each fence gates;
(28) 1,170 M. gals. water;
(29) 1,915 bbls. fuel oil;
(30) 145 sta. prepare, mix and shape shoulders;
(31) remove existing bridge;
(32) 141 sta. finish roadway;
(33) 61 each monuments complete in place.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)
(1)	$50.00	$ 70.00	$ 20.00	$ 60.00	$70.00
(2)	.25	.24	.35	.29	.303
(3)	.005	.005	.005	.004	.004
(4)	.60	.50	.50	.75	.60
(5)	.75	.80	.70	.80	.85
(6)	.08	.10	.10	.08	.10
(7)	.02	.02	.02	.02	.02
(8)	8.25	7.80	8.25	8.20	8.80
(9)	4.75	5.00	5.00	4.60	6.10
(10)	3.00	4.00	2.70	3.00	4.00
(11)	3.50	3.00	3.00	3.00	3.25
(12)	125.00	16.00	16.00	14.34	15.00
(13)	18.00	18.00	17.50	18.00	19.50
(14)	.05	.05	.05	.05	.05
(15)	.80	1.75	1.00	.80	1.20
(16)	1.50	2.35	1.25	1.62	1.75
(17)	2.40	3.10	1.75	3.00	2.20
(18)	4.50	4.90	4.25	4.48	5.00
(19)	30.00	30.00	25.00	25.00	27.00
(20)	15.00	15.00	12.00	15.00	15.00
(21)	1.25	2.00	1.35	1.25	1.25
(22)	3.00	3.00	2.25	2.00	1.25
(23)	.90	1.10	.75	.90	1.10
(24)	3.00	2.00	2.50	2.50	2.75
(25)	2.50	2.00	2.00	2.25	2.25
(26)	450.00	500.00	400.00	400.00	450.00
(27)	15.00	20.00	12.00	20.00	15.00
(28)	1.00	.50	.20	.45	1.25
(29)	1.40	1.80	1.80	1.45	1.45
(30)	11.00	10.00	7.00	85.00	10.00
(31)	500.00	1200.00	1000.00	1000.00	700.00
(32)	5.00	5.00	5.00	2.00	7.00
(33)	3.00	2.00	2.50	3.00	2.25

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MONTEREY COUNTY, Cal.—W. J. Tobin, 3701 Balfour Ave., Oakland, at $66,171.30 submitted low bid to State Highway Commission, Sacramento, for construction of four bridges between 32 and 36 miles north of San Simeon; one across Prewitt Creek, consisting of eight 19-ft. timber stringer spans; one across Wild Cattle Creek, consisting of one 10-ft. and three 19-ft. timber stringer spans and one 40-ft. steel stringer span; one across Mill Creek, consisting of two 57-ft. 3-in. and one 56-ft. 6-in. steel beam spans, and one across Kirk Creek, consisting of eleven 19-ft. timber stringer spans, in Monterey County.

Complete bids follow:
(A) W. J. Tobin, Oakland, $66,171.30.
(B) Theo. Maino, San Luis Obispo, $66,805.95.
(C) M. B. McGowan, San Francisco, $67,797.00.

Unit quantities were:
(1) 1,550 cu. yds. struc. excav.;
(2) 565 cu. yds. Class A Port. cement concrete;
(3) 335 cu. yds. Class B do;
(4) 130 cu. yds. rubble masonry;
(5) 84,900 lbs. reinf. steel;
(6) 158,000 lbs. struc. steel;
(7) 450 lbs. cast steel;
(8) 184 MFBM redwood timber, dense select all-heart struc. grade;
(9) 105 MFBM redwood timber, select all-heart struc. grade;
(10) 1 lot misc. items of work.

Unit prices follow:

	(A)	(B)	(C)
(1).....	$ 1.70	$ 2.55	$ 3.20
(2).....	22.50	18.80	19.40
(3).....	24.50	18.05	18.10
(4).....	14.00	8.25	15.00
(5).....	.037	.05	.053
(6).....	.054	.056	.0565
(7).....	.24	.20	.30
(8).....	95.00	107.80	94.00
(9).....	107.00	107.80	118.00
(10).....	300.00	775.00	614.80

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JANUARY 27, 1934

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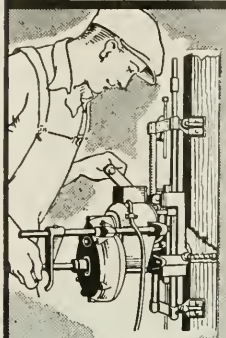

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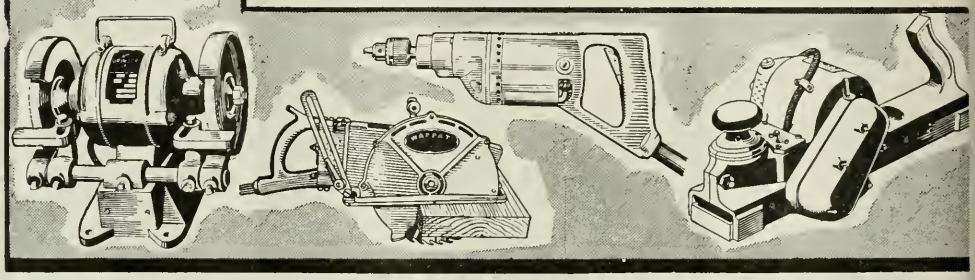

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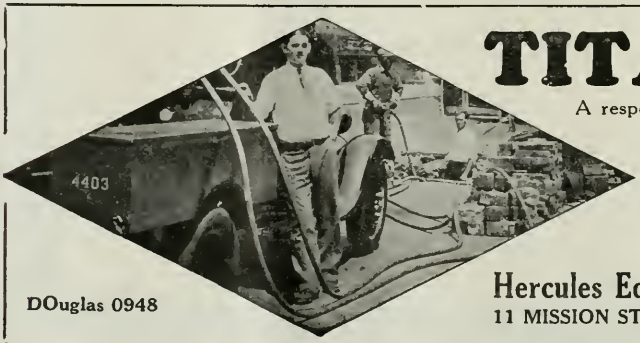

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Vol. XVII SAN FRANCISCO, CALIF., JANUARY 27, 1934 No. 4

PRICES RISE 1% IN MONTH, SURVEY SHOWS

Many Material Items Share in December Upward Trend

Building materials prices advanced nearly one percent during December, according to the monthly price index for principal commodities prepared by the U. S. Bureau of Labor Statistics.

Brick and tile, lumber, paint and paint materials and miscellaneous building materials shared in the upward movement. Cement and structural steel remained at the same level as for November.

Metals and metal products showed an increase of one percent also. The rise was due to increasing prices of certain agricultural implements and iron and steel items. The index for motor vehicles was unchanged, while the average for nonferrous metals and plumbing and heating fixtures declined.

Following are comparative figures for various building material items for December 1933 and December 1932:

	1933	1932
Building materials	85.6	70.8
Brick and tile	85.7	75.1
Cement	91.2	81.1
Lumber	88.0	56.5
Paint & paint mtls.	77.5	68.1
Plumbing & heating	72.5	67.5
Structural steel	86.8	81.7
Other bldg. materials	88.6	80.1

$17,500 SCHOOL BONDS CARRIED

One school bond issue of $17,500 was carried by voters and another for $25,000 lost by a margin of 20 votes in two San Joaquin valley district elections this week.

Voters of the Le Grand district (Merced county) approved bonds to build a new auditorium and gymnasium building to cost $25,000, of which the federal government is expected to contribute about $7500.

At Ceres (Stanislaus county) a proposed $25,000 issue to build a classroom annex failed to carry with a total vote of 259 in favor and 163 against. The issue lacked about twenty votes of the necessary two-thirds majority.

L. A. FIRM LOW ON NOGALES JOB

EL PASO, Texas, Jan. 22—T. A. Allen Construction Co., 108 W. Sixth St., Los Angeles, today submitted the low bid to the International Boundary Commission for construction of the Nogales flood control project at Nogales, Alizona. The bid was $226,998.

The contract includes construction of a 20-foot concrete pipe conduit for a distance of 4320 feet and 930 feet of open concrete channel and a concrete highway bridge. Armstrong & Armstrong, Rowell, New Mexico, at $255,288 submitted second low bid and George W. Orr, El Paso, at $260,438, third low.

The bids are held under advisement.

Three Offer Bids On Lightweight For Paving Span

Three bids were received Wednesday for furnishing 28,000 cubic yards of lightweight aggregate for the paving of the upper deck roadway of the San Francisco-Oakland bay bridge. The low bid of $2.49 per yard, a total of $69,720, was offered by Robert D. Pike, 4069 Hollis street, Emeryville.

The proposals were opened by State Purchasing Agent J. F. Mispley at the offices of the Bay Bridge Commission, 500 Sansome street. Award will be delayed pending laboratory tests to be made at Sacramento on the samples of aggregate and concrete submitted.

Other bids were those of E. M. Markell, Casmalia, Santa Barbara county, at $2.72 per cubic yard, a total of $76,160, and McNear Brick Co., San Rafael, at $7 per yard, a total of $196,000.

The aggregate will be furnished by the state for the paving of the upper deck roadway, a part of the superstructure contract held by Columbia Steel Company.

Delivery is scheduled at the rate of 1000 yards a month between January 1, 1935 and December 31, 1935, and at the rate of 2000 yards a month between January 1, 1936, and August 31, 1936.

ALAMEDA BRIDGE IS AWARDED TO MacDONALD - KAHN

Figure is $619,916, Lowest of Six Bids on New Estuary

Bids were opened and contracts were awarded Tuesday by the Alameda County Board of Supervisors for construction of a new Park street bridge across the estuary between Oakland and Alameda. The bridge will replace an existing obsolete structure.

MacDonald & Kahn, San Francisco, at $619,916 were awarded the general contract and the Central Electric Company, San Francisco, at $54,900 was awarded the electrical contract.

Six bids were received on the general contract, as follows: MacDonald & Kahn, $619,916; M. B. McGowan, Inc., $632,578; Duncanson-Harrelson Co., $632,657; H. J. Kaiser Co., $648,120; Healy-Tibbitts Const. Co., $692,823; Clinton Construction Co., $757,338.

The following bids were received on the electrical work: Central Electric Co., $54,900; Alta Electric & Mechanical Co., $57,806; Ne-Page-McKenny Co., $59,787; Victor Lemoge, $60,654; T. L. Rosenberg Co., $67,474; Severin Electric Co., $71,800; H. S. Tittle Co., $73,300.

Maurer Elected President A.G.C. Alameda Chapter

George J. Maurer has been elected president of the Alameda County Chapter, Associated General Contractors for 1934. Other officers for the new year are Wm. G. Thornally, vice-president; H. J. Christensen, treasurer. Wm. E. Hague has been re-elected manager of the chapter.

President-elect Maurer in accepting office said he looked forward to gradually improving conditions in the building industry as the year advanced. He pointed out the great need for new home building and expressed hope that the government would render more direct aid toward recovery in this field.

Mr. Maurer succeeds S. G. Johnson as president of the chapter.

Electrical Contractors To File Duplicate Subs With Association

The Electrical Contractors Association of Northern California yesterday gave notice to the construction industry that it would protect its members from "bid peddling." The association announced to all general contractors that it would register the bids of member firms by requiring a sealed duplicate copy to be deposited in its office to be opened after general contract bids have been opened.

A list of contractor members of the association has been compiled and classified according to type of work on which they will bid. General contractors are asked to confine their requests for estimates to firms qualified for the particular work desired.

Charles A. Langlais, president of the association, in announcing the new policy said:

"For obvious reasons, members of this association will not submit figures earlier than four hours before the taking of estimates. If a general contractor insists on getting estimates before that time, as far as this association is concerned, he will close the estimates in his office at the time he demands the estimates.

"The members of this association will not submit estimates to the owner or the architect and the general contractor. They will submit estimates to either one, but not both. After estimates have been taken on any given project, the members of this association will not accept this work on a time and material basis. After estimates have been taken and a closing time has been established by the bidtaker, no further estimates will be furnished by the members of this association. We are going to do our part to prevent bid peddling by every means at hand."

The letter from the association to contractors follows:

Gentlemen:

We are enclosing herewith a complete membership list as of January 1, 1934, of the San Francisco Section of the National Electrical Contractors Assn., Northern California Chapter.

You will note on the reverse side this membership is classified according to type and kind of service each is equipped, skilled, or financed to handle to the best advantage.

This classification should enable you to save yourself and our members the expense of estimating and handling calls on work in which they are not particularly qualified or interested. Many to whom this list is being sent will prefer to deal with firms with whom they have been accustomed to do business.

If, on the other hand, you want a greater number of estimates from our members on any given project, we suggest that you notify our office, phone GArfield 0444 or Garfield 0445, and request that all firms bidding on that project submit estimates to you. Naturally, however, it is necessary that you put your plans out to a member of this association in order that estimates may be prepared. To facilitate this service, we require that our members register all projects upon which they propose to submit bids.

In accordance with the provisions of the code of Fair Practice of the Electrical Contracting Industry, this association requires that a sealed copy of each member's bid be filed in our office; to be opened immediately after the bids are opened by those having the awarding of the contract.

This provides our committee with an accurate check upon the bidding of members and tends to stabilize the industry and prevents the practice condemned by the entire construction industry known as "Bid Peddling."

We feel that this list and this procedure will be of mutual benefit to you as a general contractor and to us of the electrical contracting industry, as well as to our mutual customers.

$80,000 Palo Alto School Alterations Advised by Expert

Rebuilding of three Palo Alto public schools to conform to the state earthquake safety code will cost approximately $80,000, according to preliminary estimates filed with the board of education by Walter L. Huber, San Francisco consulting engineer.

Major reconstruction will be necessary on the auditorium of the Palo Alto High School and the administrative unit, with minor alterations in the library and gymnasium and in the Addison and Mayfield schools.

MARIN TOWER OF GATE SPAN AT 370-FT. MARK

Contractors Erect 593 Tons of Steel in Week; Take New Pier Soundings

More than 593 tons of steel was erected on the Marin tower of the Golden Gate Bridge during the past week, according to the report of Chief Engineer Joseph B. Strauss yesterday. This brings the tower to a height of 370 feet, or exactly 3 feet under 50 per cent of its entire height of 746 feet. Total steel erected on the tower to date has reached the figure of 9,865 tons.

With 20 gangs of riveters occupied on the job a total of 55,000 rivets have been driven, tested, inspected and passed as satisfactory to date.

All of the steel for the Marin tower, with the exception of the top section, has been fabricated and 20,000 tons of the 22,000 tons that will go into the completed tower have been shipped.

On the anchorages at both sides of the Golden Gate concrete pouring operations have been completed up to the time when the cables will be strung and backfilling operations are under way.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

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Excavators' Code Injunction Stops Northern California Highway Work

SACRAMENTO, Jan. 22—State Director of Public Works Earl Lee Kelly today suspended the state highway construction program in all counties of Northern California pending a final decision on the temporary injunction obtained last week by two San Francisco labor unions to test the wage scale established in the California State code of the Excavators and Dump Truck Owners of Northern California. Mr. Kelly's order applies to all counties north of the Tehachapi, including Kern and San Luis Obispo, and affets an estimated total of $2,352,732 in contracts.

Bids which were to have been opened Wednesday on eight contracts in northern California, including three in the city of San Francisco, will not be received by the State Highway Commission. Bids will be opened as scheduled on jobs in Southern California counties.

Awards on four contracts for which bids have been received amounting to $378,233 in the counties of Santa Ciara, Monterey, Solano and San Mateo will not be approved by Kelly until the suit is decided.

Thirteen contracts estimated at $1,438,200, which are now being advertised for opening, including the eight on which proposals were to have been received January 24 will be withdrawn temporarily... It will be necessary to readvertise all contracts scheduled for opening Wednesday. What will be the disposition of five other contracts a dvertised for opening January 31 and February 7 depends on the outcome of the hearing on the injunction set for Thursday morning.

Five contracts which would have been released for advertising tomorrow, including two jobs in San Francisco, two in Monterey county and one in Kings county, will be withheld temporarily. The esitmated total of these is $536,300.

It was said here that an effort would be made to obtain a dissilution of the injunction at the hearing insofar as it applies to contracts other than the one in San Mateo county which has been selected for a test case.

The injunction was obtained against an award on the Junipero Serra Boulevard extension for which bids were received January 10. The low bid was submitted by D. McDonald, Sacramento, Jones & King, Hayward and F. O. Bohnett, Campbell at $178,546. An alternative writ was issued in the San Francisco superior court and was set for hearing before Judge T. I. Fitzpatrick on January 25.

The plaintiffs are the Building Material Drivers' Union No. 215 and the Steam Shovel and Dredgemen's Union No. 45 of San Francisco. They allege that the scale of wages fixed by the Highway Commission is lower than the minimum scale agreed upon between the union and the excavation contractors and approved in the California Recovery Act code of fair competition now effective in Northern California. The Injunction applies only to Northern California counties because the area covered by the code noes not ex-

CODE WAGE SUIT HEARING MONDAY

Suit of San Francisco labor unions to test a state code wage scale, which has blocked proceedings on $2,352,000 worth of state highway construction, will be before a Sacramento county superior court next Monday afternoon.

Attorney A. L. Augustine of the attorney - general's staff in San Francisco who will represent state officials was advised late yesterday that a hearing had been set for 2 o'clock Monday in Sacramento. The action was transfered to the capital at the request of state officials. It had previously been set for hearing in San Francisco.

Mr. Kelly opinted out in his statement today that a court decision was necessary to decide how the highway commission and other divisions of the State Department of Public Works should proceed in the fixing of wage scales for labor protected by state or national codes.

"The highway department is now required by state law to determine the prevailing wage for each craft in each locality and to specify those wages," Kelly said. "Whether or not the state prevailing wage act is superseded now by state of national codes mustt be determined by the courts.

"We welcome a test case, but we hope that it can be completed without disruption of the state highway construction program at a time when every effort is being made by Governor Rolph to put more men to work, in accord with the drive for recovery.

"I have been advised that I might be held personally liable for any deviation from the established scale on contracts executed under my department's jurisdiction. Under these conditions we cannot proceed to award contracts until the wage scale question has been settled."

Two major bridge construction contracts are threatened by a year's delay unless an early decision on the wage scale is obtained, it was said at the highway commission offices. Plans are being completed for the new M street bridge at Sacramento to cost about $100,000 and for another large bridge at Redding. The work must be started during the low water period in the summer or it must be postponed until the summer of 1935, it was pointed out.

Mr. Kelly will be represented by Attorney-General U. S. Webb at the hearing Thursday.

Suspension Order Affects Proceedings On 22 Contracts

CONTRACTS FOR WHICH BIDS HAVE BEEN OPENED

SANTA CLARA COUNTY: 1 mile at Gilroy to be paved with asphalt concrete, Union Paving Company, San Francisco, at $28,740 submitted low bid January 17.

MONTEREY COUNTY: Construct four bridges on Carmel-San Simeon highway between 32 and 36 miles north of San Simeon, W. J. Tobin, Oakland, at $66,171 submitted low bid January 17.

SAN MATEO COUNTY: Grading and paving about 2 miles between Edgemar Road and State Highway Route No. 2, D. McDonald, Jones & King and F. O. Bohnett at $178,546 submitted low bid January 10.

SOLANO COUNTY; Grading about 0.63 miles south of Cordelia and constructing abutments for an undergrade crossing, F. O. Campbell, $34,904 submitted low bid January 10.

CONTRACTS FOR WHICH BIDS HAVE BEEN ASKED

(To Be Opened January 24)

SAN FRANCISCO COUNTY: Widen and pave Harrison street between Fifth Street and Tenth Street.

SAN FRANCISCO COUNTY: 0.9 mile to be paved with asphalt concrete between Van Ness Ave. and Division Street.

SAN FRANCISCO COUNTY: Grade and Pave Bryant Street between Fifth Street and Tenth St.

SISKIYOU COUNTY; 7.5 miles between Moffett Creek and Forest House to be graded and surfaced.

TULARE COUNTY: 8.1 miles between Visalia and Merryman to be graded and paved.

MERCED COUNTY: 3.3 miles between Westerly boundary and 3.5 miles east to be graded and surfaced.

ALPINE COUNTY: Construct bridge across East Carson river, two miles south of Markleevilee.

MADERA COUNTY: 4.1 miles between Hawkins School and Oakhurst to be graded.

(To Be Opened January 31)

SAN FRANCISCO COUNTY: 0.3 mile between Waterloo street and Islais Creek Channel to be paved.

SACRAMENTO COUNTY: Existing arch bridge across American River to be widened and approaches graded and paved.

KERN COUNTY: 1.1 miles so. of Delano to be graded and surfaced.

STANISLAUS COUNTY: 2.2 miles in Turlock to be graded and paved.

(To Be Opened February 7)

KERN COUNTY: 6.1 miles between Sivert and Haypress canyon to be graded.

(To Have Been Advertised for Opening February 12)

Five contracts in the counties of San Francisco, Monterey and Kings, estimated to total $536,300.

Support for Bill to Appropriate Half Billion Building Loan Urged

Construction industry organizations are gathering support for the proposed amendment to the Home Owners' Loan Act now pending in Congress which will provide funds at low interest for home building. Local groups are planning a steady campaign directed to representatives from this district urging passage of the measure, according to William E. Hague, manager of the Alameda county chapter, Associated General Contractors.

"This pending bill is a simple and direct amendment to the existing Home Owners' Loan Act. If passed it will provide 5 percent interest funds amortised over 18 years, up to 75 percent of the cost of the land and building," Mr. Hague said.

"This would seem to be just what the building business needs to stimulate the great activity that is possible when sizable loans at reasonable rates of interest are obtainable.

"Mr. F. J. Connolly, manager of Southern California chapter of the Associated General Contractors, writes me that he and his delegation now in Washington for the annual national convention are going to give this bill every possible support during the week they will be in the capital. Floyd O. Booe and his delegation from Northern California chapter will be actively in the field also.

"Every organization of the building industry in California and as may personally interested individuals as possible should write at once to our senators and congressmen urging passage of this important bill. Cooperating associations and individuals writing to their representatives will assist the campaign by mailing a copy of the letter to their national association headquarters or to the national office of the A.G.C., Munsey building, Washington.

Following is the text of the bill, known as H. R. 6460:

A Bill to amend the Home Owners' Loan Act of 1933 by adding after section 4 thereof a new section; and to authorize home-mortgage loans, and to appropriate the sum of $500,000,000 therefor, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that the Home Owners' Loan Act of 1933 be, and it is hereby, amended by adding after section 4 thereof a new section, as follows:

"Sec. 4-A (1) The Corporation is further authorized, for a period of three years from June 13, 1933, to make loans in cash for the construction of homes, but no such plan shall exceed 75 per centum of the value of the structure and the land, or the sum of $20,000. Each such loan shall be a first lien on the property covered thereby, and shall be secured by a duly recorded mortgage bearing interest at the rate of 5 per centum per annum and shall be amortized by means of monthly, quarterly, semi-annual, or annual payments sufficient to retire the interest and principal within a period not to exceed eighteen years.

"(2) The Corporation is further authorized for a period of three years from June 13, 1933, to make loans in cash for repairs, modernizations, or alterations of homes, but no such loan shall exceed 60 per centum of the value of the structure and the land before the improvement is made, or the sum of $3,500. Each such loan shall be a first lien on the property covered thereby, and shall be secured by a duly recorded mortgage bearing interest at the rate of 5 per centum per annum and shall be amortized by means of monthly, quarterly, semi-annual, or annual payments sufficient to retire the interest and principal within a period not to exceed ten years. No such loan shall be made for the purpose of changing a home into any other type of structure.

"(3) The Corporation is further authorized to purchase or agree to purchase from any building and loan association, savings and loan association, cooperative bank, homestead association, insurance company, savings banks, or mortgage loan company any mortgage which the Corporation might have obtained under the provisions of paragraph 1 or 2 of this section. Such mortgage shall have been executed after June 13, 1933, and the purchase thereof or the agreement to purchase it shall be made under such rulings and regulations as the Board may prescribe, and all such purchases shall be consummated within four years from June 13, 1933.

"(4) The amount of the loans which the Corporation may make under paragraphs 1 and 2 of this section and the amount which it may use to make purchases under paragraph 3 of this section, shall not exceed, in the aggregate, $500,000,000, and the Secretary of the Treasury on behalf of the United States shall pay to the Corporation such sums of money from time to time as the Corporation may request for such purposes. In order to enable the Secretary of the Treasury to make such payments when called, the Reconstruction Finance Corporation is authorized and directed to allocate and make available to the Secretary of the Treasury the sum of $500,000,000 or so much thereof as may be necessary and for such purpose the amount of the notes bonds, debentures, or other such obligations which the Reconstruction Finance Corporation is authorized and empowered under section 9 of the Reconstruction Finance Corporation Act as amended, to have outstanding at any one time, is hereby increased by such amounts as may be necessary

"(5) The provisions of subsection (i) of section 4 of this Act shall not apply to indebtedness to the Corporation created under the provisions of subsections 1, 2 or 3 hereof.

"(6) As used in this section the term 'home' means a dwelling for not more than two families."

NRA LEADERS TO SPEAK AT CONVENTION

General Contractors Will Hear Officials Discuss Recovery

Outstanding national figures in the advancement of the "New Deal," including Recovery Administrator Hugh S. Johnson, Federal Relief Administrator Harry L. Hopkins and Henry I. Harriman, president of the United States Chamber of Commerce, are to discuss the problems and progress of recovery at the 15th annual convention of the Associated General Contractors of America, to be held in Washington, January 29, 30 and 31, which is to be attended by hundreds of contractors from all parts of the country.

Application of a satisfactory code of fair competition to the construction industry, and its many divisions and sub-divisions, has been one of the most difficult problems with which the Recovery Administration has been faced, according to A. C. Tozzer, of New York, president of the association, and it is expected that an exchange of various viewpoints between the nation's contractors and Gen. Johnson will have a most stimulating effect upon codification of the industry.

The assistance of responsible general contractors in carrying forward the emergency unemployment relief projects under the Civil Works Administration also is to be formally offered to Administrator Hopkins at the convention, so that the projects may have skilled and experienced supervision, Tozzer states, and at the same time utilize a part of the vast equipment and facilities of contractors that are now idle.

Capital goods industry and recovery will be discussed by President Harriman, of the U. S. Chamber, who has been a strong advocate of the public works program as a vehicle for national recovery. Tozzer points out that capital goods find their largest market within the construction industry and he believes that the report on the current real property inventory undertaken by the Bureau of Foreign and Domestic Commerce, to be made to the convention by Dr. Willard T. Thorp, director of the Bureau, will provide a valuable index to prospects of early revival in new residential construction.

The highway construction program of the nation is to be discussed at the convention by Thos. H. MacDonald, chief of the United States Bureau of Public Roads, while outstanding speakers from the heavy engineering and railroad construction fields also will be heard.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
27	Standard	Brown	4000
28	Standard	Brown	4000
29	Haas	Jacks	1400
30	San Francisco	Barrett	10000
31	Matsero	Owner	1000
32	Kant	Gladstone	9000
33	Crocker	Barrett	7000
34	McCabe	Owner	4000
35	Harrison	Gladstone	2000
36	Landau	Owner	1100
37	Callan	Quinn	7000

STATION
(27) NE KEARNY AND JACKSON Sts. One-story steel frame service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Architect—H. H. Hall, 225 Bush St., San Francisco.
Engineer—T. H. Brown, 225 Bush St., San Francisco. $4000

SERVICE BLDG.
(28) NE KEARNY AND JACKSON Sts. One-story steel frame service building.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Architect—H. H. Hall, 225 Bush St., San Francisco.
Engineer—T. H. Brown, 225 Bush St., San Francisco. $4000

ALTERATIONS
(29) NO. 1026 MARKET ST. Alter loft building.
Owner—Haas Realty Co.
Architect—Not Given.
Contractor—Jacks & Irvine, 74 New Montgomery St., S. F. $1400

ADDITION
(30) NO. 383 BRANNAN ST. Two-story addition to rear of warehouse.
Owner—S. F. Warehouse Co., 625 3rd St., San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., S. F. $10,000

ALTERATIONS
(31) NO. 489 BRYANT ST. Alter brewery.
Owner—Aiji Matsero, 1530 Geary St., San Francisco.
Architect—Not Given. $1000

DWELLING
(32) E SANTA ANA 100 N Monterey Blvd. Two-story and basement frame dwelling.
Owner — Frederick Kant, 170 San Benito St., San Francisco.
Architect — H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—D. B. Glodstone, 557 Market St., S. F. $9000

STORES
(33) NW 20th AVE. and Noriega; one-story frame stores.
Owner—Crocker First Federal Trust Co., Post and Montgomery Sts.
Engineer—T. Ronneberg, Crocker Building.
Contractor—Barrett & Hilp, 918 Harrison Street. $7000

DWELLING
(34) S NORTH POINT 155 E Fillmore St. One-story and basement frame dwelling.
Owner—J. W. McCabe, 1761 Beach St., San Francisco.
Architect—Not Given. $4000

ALTERATIONS
(35) NE SCOTT AND GREEN. Alter terrace.
Owner—M. Harrison, 2800 Scott St., San Francisco.
Architect—Not Given.
Contractor—D. B. Gladstone, 557 Market St., San Francisco. $2000

ALTERATIONS
(36) NO. 1138 MISSION ST. Alter store.
Owner—Fred Landau, Premises.
Architect—Not Given. $1100

DWELLING
(37) N CUMBERLAND ST. 100 E Dolores St. Two-story and basement frame dwelling.
Owner—Mrs. N. Callan, 120 Virginia Ave., San Francisco.
Architect—Not Given.
Contractor—A. and B. Quinn, 229 Dolores St., S. F. $7000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
26	Evans	Petersen	1000
27	Samuels	Swanstrom	2400
28	Lapham	Lapham	8300
29	Independent	Owner	4000
30	Scammell	Owner	4500
31	Kesti	Owner	6500
32	Campbell	Nermeim	1500
33	Campbell	Nerheim	2000

ALTERATIONS
(26) NO. 6409 HILLEGAS AVENUE, **OAKLAND.** Alterations.
Owner—Mr. and Mrs. S. E. Evans, 6409 Hillegass Ave., Oakland.
Architect—Not Given.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland. $1000

ALTERATIONS
(27) NO. 1520 BROADWAY, **OAKLAND.** Alterations.
Owner—Albert Samuels Co., S. F.
Architect—Not Given.
Contractor—Geo. Swanstrom, 1615 78th Ave., Oakland. $2400

DWELLING
(28) NO. 971 LONGRIDGE ROAD, **OAKLAND.** Two-story nine-room dwelling and one-story garage.
Owner—A. R. Lapham, 947 Hillcroft Circle, Oakland.
Architect—Not Given.
Contractor — Theo. H. Lapham, 546 Kenmore Ave., Oakland. $8300

WAREHOUSE
(29) NO. 821 PINE ST., **OAKLAND.** One-story steel warehouse.
Owner—Independent Iron Works, 821 Pine St., Oakland.
Architect—Not Given. $4000

DWELLING
(30) NO. 3720 ELSTON AVE., **OAKLAND.** One-story 6-room dwlg.
Owner—J. W. Scammell, 425 Scenic Ave., Piedmont.
Architect—Not Given. $4500

DWELLING
(31) NO. 1816 LEIMERT BLVD., **OAKLAND.** Two-story 7-room dwelling.
Owner—David Kesti, 2217 Browning St., Berkeley.
Architect—Not Given. $6500

STATION
(32) NO. 2720 SAN PABLO AVE., **BERKELEY.** One-story Class C service station.
Owner—A. J. Campbell, 3276 Arizona St., Oakland.
Architect—Not Given.
Contractor—H P. Nerheim, 3276 Arizona St., Oakland. $1500

STATION
(33) NO. 2718 SAN PABLO AVE., **BERKELEY.** One-story Class C service station.
Owner—A. J. Campbell, 3276 Arizona St., Oakland.
Architect—Not Given.
Contractor—H P. Nerheim, 3276 Arizona St., Oakland. $2000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
10	Kant	Gladstone	9640
11	Associated	Michel	5061
12	S P CO.	Sullivan	450

DWELLING
(10) LOT 8 BLK 5 Map St. Francis Wood. All work for two-story frame dwelling with basement garage.
Owner — Frederick W. Kant, Mills Bldg., San Francisco.
Architect—Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor — D. B. Gladstone, 557 Market St., San Francisco.
Filed Jan. 18, '34. Dated Jan. 16, '34.
On or about 1st of each month 75%
Upon completion a sum sufficient to increase total payments to 75%
Usual 35 days..... Final
TOTAL COST, $9640
Bond, $——. Limit, 100 days. Forfeit, none. Plans and specifications filed.

STATION
(11) SW BAY ST. AND VAN NESS Ave. Completely fabricate and erect a steel service station and a 20x42 steel super service building on foundations to be constructed by company on the site of its new service station No. 53.
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor — Michel & Pfeffer Iron Works, Inc., Harrison and Tenth Sts., San Francisco.
Filed Jan. 19, '34. Dated Jan. 12, '34.
Upon completion, within 10 days 75%
Usual 35 days..... 25%
TOTAL COST, $5061
Bond, $5100. Surety, American Bonding Co. of Baltimore. Limit, not later than Feb. 16, 1934. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(12) FOOT OF HYDE ST. All work of moving passenger and office building at auto ferry slip used by Ferries Company.
Owner—Southern Pacific-Golden Gate Ferries, Ltd.
Architect—Not Given.
Contractor—D. J. and T. Sullivan, 1942 Folsom St., San Francisco.
Filed Jan. 23, '34. Dated Jan. 20, '34.
Each month 75%
Usual 35 days 35%
TOTAL COST, $450
Bond, $450. Surety, Fidelity & Deposit Co. of Maryland. Limit, 5 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER store, $500; 3812 24th St.; owner, Hoffmann Bros., 3807 24th St.

SIGN, electric, $250; 1435 Stockton St.; owner, Sonoma Mission Creamery Prem.; contractor, Novelty Elec. Sign Co., 66 Washburn St.

SIGN, electric, $75; 424 Haight St.; owner, Altman, Prem.; contractor, American Elec. Sign Co., 1740 Eddy St.

SIGN, electric, $50; SE Sutter and Kearny Sts.; owner, Sutter Hotel, Prem.; contractor, Pioneer Elec. Co., 2128 Market St.

SIGN, electric, $350; 2120 Chestnut St. owner, Lucca's Delicatessen, 2120 Chestnut St.; contractor, Pioneer Elec. Co., 1128 Market St.

ALTER store, $200; 2322 Mission St.; owner, P. W. Kirschner, 2185 Bay.

SIGN, electric, $150; 1312 Polk St.; owner, E. Martin, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.

ALTER store, $250; SE Waller and Steiner Sts.; owner, E. Dehlen, 121 Frederick St.; contractor, Thorsen & Kirkevoog, 1878 Church St.

REPAIR fire damage to dwelling, $300 435 35th Ave.; owner, A. E. Van Saut, 655 41st Ave.; contractor, F. J. Early Jr., 369 Pine St.

ALTER restaurant and store, $800; 26-36 Embarcadero: owner, Southern Pacific Co., 65 Market St.; architect, J. H. Christie, 65 Market St.;

SIGN, electric, $25; 1400 Market St.; Owner, Walter Carr, 1400 Market St.; contractor, QRS Neon Corp., 690 Potrero Ave.

SIGN, electric, $100; 2132 Mission St.; owner, Wm. Coy, 2132 Mission St.; contractor, Pioneer Electric Co., 2128 Market St.

SIGN, electric, $150; 2631 Mission St.; owner, Regal Amber Tavern, 2631 Mission; contractor, Pioneer Elec. Co., 2128 Market St.

NEON border to marquee, $490; 2961 16th St.; owner, Victoria Theatre, Prem.; contractor, Brumfield Elec. Sign Co., 965 Folsom St.

ALTER loft, $250; 420-22 Second St.; owner, S. L. Goldstein, 155 Montgomery St.; contractor, Clinton-Stephenson Constr. Co., 550 Montgomery St.

SIGN, electric, $150; 1555 Webster St.; owner, Matsujire Hirana, Prem.; contractor, QRS Neon Corp., 690 Potrero Ave.

ALTER office, $95; 5 Kearny St.; owner, A. Cellier, 519 California St.; contractor, Barrett & Hilp, 918 Harrison St.

BARBER pole, $20; 79 Sixth St.; owner, Oak Barber Shop, Prem.; contractor, Bauer Mfg. Co., 38 Mason.

ALTER dwelling, $400; 779 40th Ave.; owner, H. Braun, 779 40th Ave.; contractor, J. Kenison, 289 San Jose Ave.

SIGN, cloth, $65; Geary and Arguello Blvd.; owner, A. Larkins, Prem.; contractor, De Vaux Sign Co., 552 McAllister St.

PARAPET, $125; 627 Washington St.; owner, Mrs. Copechevich, % Contractor; contractor, Jacks & Irvine, 73 New Montgomery St.

STUCCO dwelling, $150; 1538 Leavenworth St.; owner, J. Chiapellone; contractor, L. Polidoro & Co., 780 Vallejo St.

ALTER dwelling, $225; 571 Second Ave.; owner, A. H. Vorrath, 571 2nd Ave.; contractor, S. A. Chase, 80 Douglas St.

ALTER store, $300; 758 Larkin St.; owner, Mrs. K. M. Clark, 2901 Washington St.

SIGN, electric, $190; 3391 Mission St.; owner, P. Selmi, Premises; contractor, Neon Sign Service Co., 1707 Folsom St.

SIGN, electric, $200; 443 Clement St.; owner, A. E. Harris, 443 Clement St.; contractor, Elec. Prodc. Corp. 255 Golden Gate Ave.

FLUES (3) patent, $100; SE Lincoln and 25th Ave.; owner, Lilly S. Stamer, Premises; contractor, Western Furnace & Sheet Metal Works, 1143 Golden Gate Ave.

ALTER dwelling, $185; 243 Second Ave.; owner, Mrs. Badouin, Prem.

SIGN, electric, $250; 17 Stockton St.; owner, Holland's Shoe Repairing 17 Stockton; contractor, Electric Products Corp., 255 Golden Gate.

ALTER store, $190; 1900 Sutter St.; owner, Mrs. David Groth, 1703 Webster St.

BARBER pole, $15; 311 5th St.; owner, A. Droggetes, Premises.

SIGN, electric, $180; 195 Third St.; owner, Harry Blumenthal, Prem. contractor, Neon Sign Service Co., 1707 Folsom St.

SIGN, electric, $200; 22nd and Mission Sts.; owner, The Owl Drug Co., 657 Mission St.; contractor, Elec. Prods. Corp., 255 Golden Gate Ave.

ALTER dwelling, $150; 114 Belgrave; owner, M. Malone, Premises.

ALTER store, $400; 246 Front St.; owner, K. Fuijimoto, 1965 Bush St.; contractor, S. Handa, 1773 Post St.

SIGN, electric, $50; Post and Kearny Sts.; owner, Hastings Clothing Co. Prem.; contractor, Elec. Prods. Corp., 255 Golden Gate Ave.

SIGN, electric, $75; 659 Union St.; owner, Washington Square Market 659 Union St.; contractor, Elec. Prods. Corp., 255 Golden Gate Ave.

ALTER apartments, $10; 568 Waller St.; owner, V. Raynal, 568 Waller

SIGN, electric, $125; 2398 Bryant St.; owner, Globe Drug Store, Prem.; contractor, American Elec. Sign Co., 1740 Eddy St.

ALTER rooming house, $150; 408 Kearny St.; owner, F. Hotaling, 320 Market St.; engineer, W. T. Huber, 1 Montgomery St.; contractor, G. P. W. Jensen, 320 Market St.

STUCCO dwelling, $75; 2955 Webster St.; owner, J. Cerelli, 2955 Webster

SIGN, electric, $150; 460 Eddy St.; owner, Elite Garage, 460 Eddy St.; contractor, Apex Electric Co., 363 Fell St.

ALTER dwelling, $50; 175 Whipple; owner, Mrs. F. Miller, Premises.

PARAPET wall, $350; 82 Market St.; owner, Crocker Bank, Post and Montgomery Sts.; engineer, T. Ronneberg, Crocker Bldg.; contractor, G. Wagner, 181 South Park.

ALTER offices, $100; 127 Montgomery; owner, I. Strassburger, 127 Montgomery St.; contractor, G. P. W. Jensen, 320 Market St.

SIGN, electric, $125; 241 California St.; owner, Odermatt's, 241 California. contractor, American Elec. Sign Co.; sign.

REPAIR stairs, $400; 826 to 836 Turk St.; owner, Dr. W. E. Hopkins, 176 Sutter St.; contractor, J. B. McSheehy, 137 Clifford Terrace.

ALTER restaurant, $50; 2910 San Bruno Ave.; owner, A. K. Soderberg, 2166 28th Ave.

FLUE, 10-in. $35; 1448 12th Avenue; owner, Mrs. Vowen, Care J. E. O'Brien; contractor, Sunset Sheet Metal Works, 1277 9th Ave.

SIGN, electric, $375; 210 Taylor St.; owner, J. M. Litchfield, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.

ALTER office building and stores, $850 46 Kearny St.; owner, Mrs. Anna Maskey, 52 Kearny St.; architect, N. R. Coulter, 46 Kearny St.; contractor, L. M. Bruce, 3553 Divisadero St.

ALTER dwelling, $125; 280 Miramar Ave.; owner, T. Massning, Prem.

SIGN, electric, $140; 19 Sixth St.; owner, Bay Bridge Drug Co., 19 Sixth St.; contractor, Laib Elec Co., 7th and Folsom Sts.

ALAMEDA COUNTY UNDER $1000

WRECK building, $10; 510 Lake Park Ave., Oakland; owner and wrecker, Louis DeServi, 3664 35th Ave. Oakland.

ALTERATIONS, $150; 2306 13th Ave., Oakland; owner and contractor, Jos. Lamore, 772 7th St., Oakland.

ALTERATIONS, $250; 416-420 3rd St., Oakland; owner and contractor, Dora A. Davis, 491 Crescent St., Oakland.

WATER tanks, $990; 1600 Fairfax St.; owner, Norton Wool Co., Prem.; engineer, L. A. Elsener, 204 Rialto Bldg.; contractor, Chicago Bridge & Iron Works, 204 Rialto.

SIGN, electrisc, $150; NW Post and Webster Sts.; owner, W. Hughson Premises; contractor, Brumfield, 965 Folsom St.

ALTER hotel, $350; 780 Broadway; owner, S. Rauval, Premises; contractor, G. T. Moore, 1458 Noe St.

ADD to dwelling, $185; 567 Market St.; owner, Mrs. Connealy, 567 Hearst

MARQUEE, $800; NE Haight and Masonic Ave.; owner, Dr. J. E. Shumate, 1901 Scott St.

SIGN, electric, $90; NW Post & Webster Sts.; owner, W. Hughson, Prem.; contractor, Brumfield Elec. Co., 965 Folsom St.

ALTER store, $50; 1601 Powell St.; owner, H. Mendechl, 654 Green St. contractor, L. Murer, 1274 Quesada

FLUE (1) patent, $27.50; N 100 E Girard St.; owner, Howard Knitting Mills, 114 Burrows St.; contractor, G. P. Schmitt, 880 Faxon

REPAIRS, $50; 4400 Webster Street, Oakland; owner, Mrs. T. G. Warrington, 4400 Webster St.; contractor, S. Politta, 4206 Telegraph Avenue.

DWELLING, one-story 2-room, $450; 1124 58th Ave., Oakland; owner, Nellie A. Youell, 1142 58th Ave.; contractor, Thos. E. Youell, 1142 58th Ave.

CHIMNEY, patent, $15; 3019 San Pablo Ave., Oakland; owner, J. F. Towle Premises; contractor, E. W. Anderson Co., 3103 San Pablo Ave.

ALTERATIONS, $136; 2844 Derby St., Berkeley; owner, D. C. Fessender, 2844 Derby St.; contractor, Bay Cities Asbestos, 188 10th St., Oakland.

ALTERATIONS, $500; 1003 Broadway, Oakland; owner, P. Selak, Prem.; contractor, P. Delucchi & Son, 5443 Claremont Ave.

FIRE repairs, $770; 721 37th St., Oakland; owner, Nick Daskalos, % Contractor; contraactor, Fred J. Early Jr., 1629 Telegraph Ave.

ALTERATIONS, $450; 2097 Broadway, Oakland; owner, E. B. Glenhill, 2097 Broadway.

GARAGE, one-story, $250; 1805 Rosedale Ave., Oakland; owner, H. Kuehn, 1805 Rosedale Ave.

ALTER present building, $750; 1401 Park St., Alameda; owner and contractor, J. J. Mulvaney, Bank of America, Park St. and Santa Clara Ave., Alameda.

ALTERATIONS, $75; 1729 Broadway, Oakland; owner, Chas. Riskin, 1729 Broadway.

ALTERATIONS and addition, $250; 2238 Lakeshore Ave., Oakland; owner, F. A. Anstey, Premises.

SIGN, electric, $100; 3631 Piedmont Ave., Oakland; owner, Union Oil Co.; contractor, Brumfield Elec. Sign Co., 965 Folsom St., S. F.

SIGN, electric, $130; 1027 Broadway, Oakland; owner, Broadway Dancing Academy; contractor, Gets Elec. Sign Co., 3140 E-10th St.

ALTERATIONS, $200; 5244 Telegraph Ave., Oakland; owner, Hattie L. Corcoran, Premises.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
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6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
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13.—Public Buildings, Fire Houses and Jails
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16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Preparing Plans.
APARTMENTS Cost, $——
SAN FRANCISCO. Location Withheld.
Three-story and basement frame and stucco apartment building (4 2-room and one 6-room apts.); tile roof, steam heating system, hardwood floors, etc.
Owner—Withheld.
Architect—R. R. Irvine, 2048 Market St., San Francisco.
Financing arrangements are now under way.

Contract Awarded.
ALTERATIONS
SAN JOSE, Santa Clara County, Calif., 126 E. St. James St.
Alterations to apartment building.
Owner—Jane R. Williams, 151 North Fourth St., San Jose.
Architect—Not given.
Contractor—George Kocher, Graphic Arts Building, San Jose.

3— CHURCHES

Contract Awarded.
ALTERATIONS Cost, $2000
SAN MATEO, San Mateo Co., Calif. Third Avenue and Ellsworth.
Alterations to church.
Owner—St. Mathews Parish, premises
Architect—Not Given.
Contractor—Frank Ferrea, 712 5th Ave. San Mateo.

FIRE LOSS.
SAN FRANCISCO. — Fire damaged the interior of the Russian Church on Van Ness Ave. and Green Street January 18. Loss is estimated at $7,000.

Plans Being Completed.
CHURCH Cost, $3000
CROCKETT, Contra Costa Co., Cal.
One-story wood frame church building (shakes exterior, shakes roof, gas heating system, wood floors) auditorium to seat 100.
Owner—St. Marks Episcopal Church Rev. Miller, pastor) Crockett.
Architect—W. C. Ambrose 244 Kearny St., San Francisco.
Plans will be completed within one week and presented to owners for approval.

4— FACTORIES & WAREHOUSES

PLANS PREPARED.
SAN DIEGO, Cal.—Aztec Brewing Co., 2301 Main St., San Diego, has had plans prepared and will award a contract shortly for an addition to the company's brewery in San Diego. The addition will be a reinforced concrete structure and will house fifty-six 1,000-barrell concrete tanks. Estimated cost of the project, including refrigeration and other equipment, is $300,000. Construction is scheduled to get under way January 25.

Sub-Contracts Awarded.
ALTER LAUNDRY Cost, $——
ALAMEDA, Alameda Co., Cal. No. 2235 Lincoln Avenue.
Alterations to frame laundry.
Owner—Alameda Steam Laundry, 2235 Lincoln Ave., Alameda.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.
Plastering—W. Dorcy & Nicol, 2110 Clinton Ave., Oakland.
Tile—Globe Roofing Co., 624 Haight Ave., Alameda.
Sheet Metal Work—M. C. Henry, 1183 53rd St., Oakland.
Lumber—Loop Lumber Co., Broadway and Blanding St., Alameda.
Sash—Western Door & Sash Co., 5th and Cypress Sts., Oakland.

Architect Commissioned.
WINERY & CANNERY Cost, $——
STOCKTON, San Joaquin Co., Cal. Ten-acre tract near Municipal docks.
One-story concrete or brick winery, (100x200 ft.) and one-story concrete or brick cannery (100x200 ft.), distillery, office building, etc.
Owner—Riverbank Canning Co. (Lorenzo Zorillo, Owner), Riverbank.
Architect — Howard Bissel, 327 E. Channel St., Stockton.
Structural Engineers—Ohm & Raab, 109 E. Weber St., Stockton.
Preparing preliminary drawings.

January 20, 1934

ADDITIONAL SUB - CONTRACTS AWARDED
SAN FRANCISCO — K. E. Parker Co., 135 South Park, awarded the following additional subcontracts for the construction of a two-story steel and concrete shed and utilities (concrete walls, steel floor and roof) at Pier No. 1, Fort Mason:
Steel Sash and Pier Doors — Detroit Steel Products Co., 111 Sutter St., San Francisco.
Painting—R. P. Paoli, 3159 Fillmore St., San Francisco.
As previously reported, wrecking awarded to Symon Bros., 1435 Market St.; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts.; sheet metal to Fire Protection Products Co., 1101 16th St.; steel floor, H. H. Robertson, 50 Hawthorne St.; lathing and plastering to Jas. Smith, 271 Minna St.; tile to Malott & Peterson, 3221 20th St.; paving to Fay Imp. Co., 760 Market St.; pressed wood tile to Western Asbestos Magnesia Co., 675 Townsend; glass and glazing to W. P. Fuller & Co., 301 Mission St.; plumbing to F. W. Snook Co., 596 Clay St.; electric, Spencer Elec. Co., 2059 Webster St., Oakland.

January 20, 1934

PLANNED.
SANTA PAULA, Ventura Co., Cal. —Mupu Citrus Assn., Santa Paula, will have plans prepared at once for a box storage building to be erected at the association's plant near Santa Paula. It will be a one-story structure, covering an area of 32x300 ft. Cost of the improvement including the equipment, will total $50,000. H. F. Pressey is president of the association and C. E. Whipple is secretary-manager. Architect Roy Wilson, 112 Mill St., Santa Paula, designed the existing plant.

Contract Awarded.
ADDITION Cost, $10,000
SAN FRANCISCO. No. 383 Brannan Street.
Two-story structural steel and brick addition to rear of warehouse.
Owner—San Francisco Warehouse Co., 625 Third St., San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract Awarded.
SERVICE STATION Cost, $——
SAN FRANCISCO. Kearny St., Columbus Ave. and Jackson St.
Steel service station.
Owner—Standard Oil Co. 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—J. A. Grant, 82 Divisadero St., San Francisco.

To Be Done By Day's Work.
WAREHOUSE Cost, $4000
OAKLAND, Alameda Co., Calif. 821 Pine Street.
One-story steel warehouse.
Owner and Builder—Independent Iron Works, 821 Pine St., Oakland.
Plans by Owner.

Planned.
IMPROVEMENTS Cost, $100,000
ASTI, Sonoma Co., Calif.
Improvements to winery, etc.
Owner—Italian-Swiss Colony (Enrico Prati, vice president and superintendent).
Architect—Not Given.
Further details will be announced within a few days.

Additional Sub-Contracts Awarded.
BUILDING Cont. Price, $17,500
SAN FRANCISCO. Tenth and Bryant Streets.
Two-story reinforced concrete keg washing building.
Owner—Milwaukee Brewery, 490 10th St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francsico.
Contractor—Cahill Brothers, 206 Sansome St., San Francisco.
Roofing—Roofing Service Co., 7 Front St., San Francisco.
Steel Rolling Doors—Rolph Mills Co., 525 Market St., San Francisco.
Painting — Raphael Co., 270 Tehama St., San Francisco.
Brick Work—Wm. Rainey, 323 Clementina St., San Francisco.
Concrete—Golden Gate Atlas Co., 16th and Harrison Sts., San Francisco.
Other awards reported Jan. 13.

Additional Sub-Contracts Awarded.
MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineering—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Patitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Plywood—H B. Maris, 735 Third St., San Francisco.
Terrazzo—Consolidated Terrazzo Co.,

557 Market St., San Francisco.
Fire Doors—Soule Steel Co., 1750 Army St., San Francisco.
Plumbing and electrical bids will be taken by the architect at a later date.
Other sub-contracts reported Jan. 10.

Additional Sub-Contracts Awarded.
ADDITION Cost, $32,000
EMERYVILLE, Alameda Co., Cal.
One-story steel, brick and concrete addition to factory.
Owner—Paraffine Co., Inc., Emeryville
Engineer — Leland Rosener, 233 Sansome St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Brick Work—Kroll & Co., 2347 E-19th St., Oakland.
Fire Doors — Soule Steel Co., 1750 Army St., San Francisco.
Roofing — Western Roofing Co., 4348 Mission St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Sheet Metal — Edgar W. Anderson, 3103 San Palo Ave., Oakland.
Plumbing—Scott Co., 243 Minna St., San Francisco.
As previously reported, structural steel awarded to Herrick Iron Works, 1729 Campbell St., Oakland; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts., S. F.; lumber to Sunset Lumber Co., 400 High St., Oakland; steel sash to Soule Steel Co., 1750 Army St., San Francisco.

PLANS BEING FIGURED
BURBANK, Los Angeles Co., Cal.—Three G Distillery, % Dan Greenburg, 5335 Melrose Ave., Los Angeles, is taking bids from a closed list of bidders and will award a contract shortly for a distillery building and tower to be erected at 3112 W. San Fernando Road, Burbank. Distillery will be a wood frame and corrugated iron structure, 50x110 feet in area, and tower will be of steel structure, 15x26 feet in area and 75 feet high. A wood frame and corrugated iron blending plant building is under construction on the site, with Bernard Lindberg, 8636 Olympic Blvd., Los Angeles, in charge. Future structures for the plant include a malt plant and warehouses. Arlos R. Sedgley, 910 N. Serrano Ave., Los Angeles, architect.

6—GARAGES & SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost $——
SAN FRANCISCO. Bay St. at Van Ness Avenue.
Super service station.
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Michel & Pfeffer, Harrison and Tenth Sts., at $5061.
As previously reported, foundation contract awarded to Eaton & Smith, 715 Ocean Ave., at $4498.
(3088) 1st report Nov. 17, 1933; 3rd Jan. 17, 1934. 6

Contract Awarded.
SERVICE STATION Cost, $5000
BERKELEY, Alameda Co., Cal. 2720 San Pablo Avenue.
One-story Class C service station.
Owner—A. J. Campbell, 3276 Arizona St., Oakland.
Architect—Not Given.
Contractor—H. P. Nerheim, 3276 Arizona St., Oakland.

7—FEDERAL BUILDING

AWARD.
FORT LEWIS, Wash. — Erickson, Roberts and Johnson, Tacoma, were awarded a contract by the War Department January 17 for constructing gun sheds at Fort Lewis.

SUB-CONTRACTS AWARDED.
MARCH FIELD, Riverside Co., Cal.—Myers Bros., 3407 San Fernando Rd., Los Angeles, report that additional subcontracts for the construction of a medical detachment barracks at March Field for the War Department have been awarded as follows: Electric wiring to Bennett & Taylor; marble work to Vermont Marble Co.; sand and gravel to Service Gravel Co.; finish hardware to Hammond Lumber Co.; lockers to Berger Mfg. Co.; roofing to Patten-Blinn Lumber Co.

LOW BIDDER
LOS ANGELES, Cal. — Harris Wrecking Company, 2915 S. La Salle St., Chicago, Ill., at $3640 submitted low bid to Treasury Department, Washington, D. C., for clearing the site of the U. S. Post Office building in Los Angeles. Complete bids will be published shortly.

CONTRACTS TO BE AWARDED
SACRAMENTO, Cal.—M. P. Canon, 2708 Tenth Ave., Sacramento, at $135 for flood lights and Frank R. Merwin, 2623 Donner Way, Sacramento, at $109 will be awarded contract by the Constructing Engineer, Sacramento Post Office for the installation of a buzzer system and flood light system at the Sacramento Post Office. Complete bids published Jan. 15.

January 20, 1934

BIDS WANTED.
EDIZ HOOK, Wash.—Until Feb. 14, 2 P. M., bids will be received by the Treasury Department, Coast Guard, Washington, D. C., for the construction of a radio building and accessories at Ediz Hook, Wash.

BIDS REJECTED
FORT LEWIS, Wash. — War Department rejected all bids for the construction of the hay storage building, grain storage building and seven magazines for the storage of shell, etc., at Fort Lewis, Wash. Complete bids published Nov. 27.

January 23, 1934

EQUIPMENT CONTRACTS APPROVED
RENO, Nev.—Treasury Department approved the following equipment awards for the U. S. Post Office at Reno, Nevada: MacDonald Engineering Co., 1 La Salle St., Chicago, general contractors. Regulator for water heating tank, Sarco Co.; oil heater, Hot Steam Heater Co.

BIDS REJECTED
OGDEN, Utah.—Treasury Department rejected all bids for painting the plaster in the U. S. Post Office and Customhouse at Ogden, Utah. Complete bids published October 26, lowest bid being submitted by Adams Painting Co., Chicago, at $3100.

ESTIMATES BEING TAKEN.
REDLANDS, San Bernardino Co., Cal.—Standard Accident Insurance Co. 323 West 6th St., Los Angeles, Ray J. Cusick, in charge of project, is taking estimates from several general contractors for completing the Redlands post office, which is about 50% finished. Contract for the construction of the building which was held by the Noth-Moller Co., was terminated by the Treasury Department last week. Upon receipt of the estimates a report and recommendations will be made to the department when a decision will be made as to how completion work will be handled.

BIDS WANTED
HAMILTON FIELD, Marin Co., Cal—Until February 5, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of seven, two-story company officer's quarters at Hamilton Field; hollow tile walls and tile roof. Plans and specifications available from above office upon deposit of $10. Copies of plant and specifications may be seen at the Builders' Exchange, 666 Mission St., San Francisco, or at the office of the Constructing Quartermaster, Fort Mason, San Francisco.

Additional Sub-Contracts Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 261 Kearny Street.
Contractor—Great Lakes Const. Co., 333 N Michigan Ave., Chicago.
James R. Purcell, Room 1707, William Taylor Hotel, is in charge of construction.
Ornamental Iron—Folsom Street Iron Works, 17th and Missouri Sts.
Readymix Concrete—Bode Gravel Co., 235 Alabama St.
Composition Roofing, Dampproofing & Roof Insulation—Alta Roofing Co., 976 Indiana St.
Mail Chutes—Cutler Mail Chute Co., Cutler Bldg., Rochester, N. Y.
Dumb Waiters—Matot Co., 1538 Monanta St., Chicago.
Vault Doors — Munthe Equip. Co., 7 Front Street.
Hollow Metal—Niedringhaus, Inc., St. Louis.
Other awards previously reported.

LOW BIDDER.
SAN FRANCISCO—James C. Dempsey, Savings Fund Bldg., Philadelphia, at $.19 per ton, submitted low bid to Treasury Department for field inspection of structural steel work for the Federal Office bldg., San Francisco. Complete bids will be published shortly.

BIDS WANTED
VALLEJO, Solano Co., Cal.—Bids are being received by the Custodian, Vallejo Post Office, for the construction of an iron fence at the U. S. Post Office, Vallejo. Date of opening bids not yet set.

CONTRACT AWARDED.
BINGHAM CANYON, Utah.—Ornamental Co., Washington, D. C., at $69.50 awarded contract by Purchasing Department for plaster models for the Bingham Canyon post office.

CONTRACT AWARDED.
CHEHALIS, Wash.—Accurate Metal Weather Stripping & Screen Co., 2012 First Ave., Seattle, at $348.00 awarded contract by Purchasing Department to furnish weather strips in the post office at Chehalis. Proposal No. 104.

BIDS OPENED
FORT HUACHUCA, Ariz.—William Peper Constr. Co., Box 1564, Phoenix, submitted low bid to the Constructing Quartermaster, Fort Huachuca, at $5600, for the construction of a fire station at Fort Huachuca. Shannahan Bros., 406 S. Main St., Los Angeles, were low at $12,800 for constructing coal spur at the post. The bids follow:
Fire Station—Wm. Peper Constr. Co., $5600; Herbert F. Brown, $6484.
Coal Spur—Shannahan Bros., $12,800; Herbert F. Brown, $14,763; Wm. Peper Constr. Co., $14,969; Jay J. Garfield Building Co., $17,046; Kersey & Co., $17,450.

CONTRACT AWARDED.
COCO SOLO, C. Z.—H. B. Nelson Const. Co., Atlanta, Ga., at $200,000

varded contract by the Bureau of ırds and Docks, Navy Department, r the construction of steel hangars Coco Solo; Spec. No. 7351. Comete bids published January 20.

IDS OPENED
CEDAR CITY, Utah—Following bids ceived by the Post Office Department, Washington, D. C., for furnishg two drawing tables for the Cedar ty Post Office:
riginal Cabinet Corp. $110
organ Lumber & Mfg. Co. 110
orbin Cabinet Lock Co. 116
ederal Equipment Co. 118
cLane Mfg. Co. 120
outhern Deck Co. 120

IDS WANTED
PORTLND, Ore.—Until January 31, ds will be received by the Post Office Department, Purchasing Agent, ashington, D. C., for one steel storge cabinet for the U. S. Post Office, ortland, Oregon. Proposal No. 923.

ROSPECTIVE BIDDER
PEARL HARBOR, T. H.—Honolulu on Works, 165 Broadway, New York ty, has taken out plans for the purse of submitting a bid to the Bureau Yards and Docks, Navy Department, Washington, D. C., on February for the construction of quarters at e Naval Submarine Base, Pearl Harr, T. H. Specification No. 7526.

QUIPMENT APPROVED
LOGAN, Utah — Treasury Departent apporved the following equipent awards for the construction of e remodeling and extending of the gan, Utah, Post Office. W. J. Dean Sons, Salt Lake City, Utah, genl contractors:
Plumbing fixtures, Standard Sanry Mfg. Co.; indirect water heaters, celso Products Corp.; nonconductg covering for plumbing and heatg, Johns-Manville Co.; angle radia- valves, Walworth Co.; air valves radiator, American Radiator Co.; hting distributing panel and feeder nel, Westinghouse Elec. Mfg. Co.; c. wire, Anaconda Wire & Cable .; flush switches, Hart & Hegeman .; air valves for end of steam ins, American Radiator Co.

ONTRACT AWARDED
SACRAMENTO, Cal.—Pacific Irrition Co., 7 Front St., San Francisco, $2745 awarded contract by Treasy Dept. for installing lawn sprink- system at the U. S. Post Office, cramento.

EDS WANTED.
SAN FRANCISCO.—Until Feb. 7, 11 M., bids will be received by the blic Works Officer, 12th Naval Disct, Room 518, 100 Harrison Street, wood and glass partitions at the strict Staff Headquarters, Twelfth val District, San Francisco; Spec. 7605. Plans available from above ice and from Bureau of Yards and cks, Navy Department, Washingn, D. C., upon deposit of $5.00.

EDS WANTED
SAN LUIS OBISPO, Cal. — Until bruary 9, 10:30 A. M., bids will be ceived by U. S. Property & Disrsing Office, Sacramento, for the nstruction of an addition to one irmary, one photo and supply ilding, one bath house and latrine, pairs to drill field, one area for rming up airplanes, concrete; repairs to Administration building, ee storage tent floors, 12 wall tent ors at the National Guard Training mp, San Luis Obispo. Further information available from above office.

8— CLUB BUILDINGS

PLANNED
VALLEJO, Solano Co., Cal. — Washington Lodge, No. 7, Knights of Pythias, will erect a lodge hall in the near future at 1610 Sonoma St., on a site 45x85 feet.

Sub-Bids Being Taken.
ALTERATIONS Cost, $——
SAN FRANCISCO. 465 California St.
Alterations in Merchants' Exchange Building for club rooms.
Owner—Commercial Club, 465 California Street.
Architect—W. P. Day, Financial Center Building.
Contractor—Mullen Manufacturing Co. 64 Rausch Street.

Plans Being Completed.
MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust St. and Mineral King Ave.
Two-story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain two lodge rooms, banquet, club and reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Assn.
Architect —P. L. Dragon and C. R. Schmidts, Mercantile Bank Bldg., Berkeley.
Bids will be asked in three or four weeks.

PLANNED
COMMUNITY HALL Cast, $——
DUNSMUIR, Siskiyou Co., Cal.
Construct new community hall.
Owner—Lions Club (E. W. Hamilton, President).
Architect—Not Selected.
E. R. Deering, E. I. Jenks and W. M. Welsh, Dunsmuir were appointed to work out preliminary plans.

9— HOSPITALS

ASK FEDERAL AID
CARLSBAD, N. M.—Eddy County Commissioners have applied to the Public Works Administration for a loan of $40,000 for financing the construction of an addition to the Eddy County Hospital at Carlsbad, N. M.

PLANNED
LA HABRA, Orange Co., Cal.—La Habra City Council has appointed a committee to confer with doctors regarding the construction of a community hospital at the corner of North Leora St. and West Florence Ave., La Habra. Dr. D. C. Munford, who suggested the project, said that a site for the building has been donated.

STEEL SASH AND WINDOW CONTRACTS AWARDED
HAMILTON FIELD, Marin Co., Cal. —Leo Epp, 4745 Geary St., San Francisco, awarded the steel sash and window contracts to Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco, for the hospital and detachment barracks at Hamilton Field. Other awards reported Jan. 17.

Plans Being Prepared.
SERVICE BLDG. Cost, $56,000
SAN JOSE, Santa Clara Co., Cal. County Hospital Grounds.
One-story reinforced concrete service building at Almshouse(tile roof, steam heating system, composition floors, etc.)
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.

Preparing Working Drawings.
HOPSITAL Cost, $242,700
MODESTO, Stanislaus Co., Cal. Stanislaus County Hospital.
Group of hospital units to county hospital (units include, two-story addition to ward, 50,000; four-story ward, $114,000, indigent and tubercular wards, $58,300, laundry addition, $5800, etc.)
Owner—County of Stanislaus.
Architect—Russell Guerne De Lappe, 177 Florence St., Berkeley.
Bids will be asked about Feb. 15.

BIDS OPENED
AGNEW, Santa Clara Co., Cal.—Anchor Post Fence Co., 460 Fifth St., San Francisco, at $1375 (including state sales tax) submitted low bid to State Purchasing Department, Sacramento, for wire guard rails and screens o be installed at the Agnew State Hospital. Following bids received:
Anchor Post Fence Co., San Francisco, $1375.
Caliofrnia Ornamental Iron Works, San Francisco, $1375.
Industrial Ornamental Iron Works, San Francisco, $1482.
Standard Fence Co., San Francisco, $1500.
Monarch Iron Works, San Francisco, $1640.
Sacramento Wire Works, Sacramento, $1652; without tops or galvanizing, $988; without tops, galvanized, $1388; with tops, not galvanized, $1302.
San Francisco Wire & Iron Co., San Francisco, $1666.
Michel & Pfeffer Iron Works, San Francisco, $1825.
Patterson & Koster Iron Works, San Francisco, $1897.
Eureka Iron Works, San Francisco. $2405.
C. J. Waterhouse, San Francisco, $3190
Contract will probably be awarded to Anchor Post Fence Co.

LOW BIDDER
SAN FRANCISCO—Guilfoy Cornice Works, 1234 Howard St., at $307 submitted low bid to Mr. Newman's Office, Post Office Bldg., for downspout and copper gutter for building No. 7, Marine Hospital, 14th Ave. and Lake Street.

CONTRACT AWARDED.
SAN FRANCISCO. — Otis Elevator Co., 1 Beach St., at $1,311 awarded contract by Navy Department for modifying control of freight elevator in the main building in the Marine Hospital, 14th Ave. and Lake St.

10— HOTELS

Preparing Working Drawings.
ADDITION Cost, $10,000
OAKLAND, Alameda Co., Calif. 1800 Madison Street.
Steel and concrete dining room addition to Lake Merritt Hotel.
Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.) Oakland.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Bids will be asked within one week.

11—ICE AND COLD STORAGE PLANTS

Preparing Sketches.
COOLING PLANT Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. Site not selected.
Construct new cooling plant.
Owner — Central California Berry-growers Assn. (Geo. Webb, Pres.), 510 Battery St., San Francisco.
Plans by Engineering Dept. of Owner. (Mr. Heck in charge).

12— POWER PLANTS

BIDS OPENED
SAN FRANCISCO—C. L. Wold, 4416 Fulton St., at $92,577 submitted low bid to Department of Public Works for alterations and addition to steam

generator plant at the Laguna Honda Home. Work involves:

Construction of a new building for boiler room, boiler to be 400 - hp.; complete automatic plant control, induced air fan, electrically driven, complete boiler room instruments, pneumatic water system, new filter system, two 10,000 gallon storage tanks, alterations to present switch board and feeders for relining of old boiler.

Following bids received:

C. L. Wold	$92,577
F. W. Snook	92,744
Anderson & Rowe	92,965
C. C. Moore & Co	95,866
Alta Electric & Mech. Co	96,800
Scott Company	97,777
Herman Lawson Co	97,800

Bids held under advisement.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Contract Awarded.

ADDITION Cont. Price, $14,023.80
WATSONVILLE, Santa Cruz Co., Cal.
Reinforced concrete and structural steel addition to public library (40 by 60 ft.), composition and shingle roofing and remodeling present building.
Owner—City of Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—C. M. Norgrove, 2220 Roosevelt St., Berkeley.

Preparing Plans.

FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal.
Vallejo Way and Freeport Blvd.
Construct new fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bids will be asked in about four weeks.

Public Works Administration made a grant of $3600 to the City of Sacramento to help finance construction.

Completing Plans.

ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about six weeks. Public Works Administration made a grant of $20,300 to the City to help finance construction.

TO ASK FEDERAL AID

SAN MATEO, Cal. — San Mateo County Supervisors have applied to the Public Works Administration for a loan and grant totaling $29,366 for financing the addition to two dormitory wings to the San Mateo County Relief Home, located about five miles west of San Mateo. The proposed additions will be constructed of steel, reinforced concrete and brick and will have tile roofing. Will H. Toepke, 74 New Montgomery St., San Francisco, architect.

Planned.

CITY HALL Cost, $——
WALNUT CREEK, Contra Costa Co., Calif.
Construct new city hall.
Owner—City of Walnut Creek.
Architect—Avery Rich, Orinda.
It is contemplated to file an application with the Public Works Administration for funds to finance construction.

Planned.

REMODEL CITY HALL $5500
ALBANY, Alameda Co., Cal.
Remodel and enlarge city hall.
Owner—City of Albany.
Architect—Not Given.
Work is to be done by day's labor under the CWA.

Planned.

ARMORY Cost, $120,000
KLAMATH FALLS, Oregon. Main and Spring Streets.
Construct county armory.
Owner—County of Klamath.
Architect—Howard Perrin, Klamath Falls, Oregon.
Public Works Administration granted a loan of $71,000 to help finance construction and $49,000 is available in the county treasury.

ASK FEDERAL AID.

CASA GRANDE, Ariz.—City of Casa Grande has applied to the Public Works Administration for a loan of $20,700 to finance the construction of a new city hall.

BOND ELECTION.

NATIONAL CITY, San Diego Co., Cal.—National City city council has called an election for Feb. 19 at which time it is proposed to vote bonds in the sum of $26,000, proceeds to be used for financing the construction of a new city hall. The proposed building will contain 5800 sq. ft. of floor space on the main floor and 3,600 ft. in the basement, where a jail and storage rooms will be located. Lillian J. Rice, Rancho Santa Fe, architect.

PLANNED.

UPLAND, San Bernardino Co., Cal.—R. G. Manley, Upland city service manager, has submitted tentative plans to the Upland city council for the proposed new city hall to be erected at D Street and Second Ave. The building is to be a two-story, reinforced concrete structure, 104x60 ft., with tile roof. In addition to administrative offices, space is provided for a jail, vaults, police headquarters and a court room. The city proposes applying to the CWA for aid in financing the project.

Project Approved.

LIBRARY Cost, $10,000
LINDSAY, Tulare Co., Cal. N Gale Hill Avenue.
One-story frame and stucco library building (Spanish type).
Owner—City of Lindsay.
Architect—Not Given.
Civil Works Administration approved the project and it is expected that work will be started shortly under the CWA.

ASK FEDERAL AID

CALIFORNIA—State of California has applied to the Public Works Administration for loans and grants to be used for financing improvements at the following institutions:

Stockton State Hospital—Farm cottages Nos. 5, 6 and 7; loan and grant, $287,000.

Mendocino State Hospital—Cottages garage and attendants' building, ward No. 14, reconstruct other ward buildings, dormitory building, complete ward No. 7 and add to custodial building; loan, $944,250; grant, $294,000.

Pacific Colony — Cottages, employees' quarters, garage and dormitory; loan $355,300; grant, $110,800.

Sonoma State Home—Cottage for inmates, cottage for employees, three physicians' cottages, green house, bull pen and yard and cow barn alterations; loan, $281'950; grant, $89,280.

Agnew State Hospital—Employees' quarters, assistant physician's cottage, M6 ward building, A1 ward building; loan, $3,075,300; grant, $1,006,400.

Camarillo State Hospital — Boiler plant' dining room and kitchen, employees' quarters and ward No. 4; grant, $163,500. The sum of $545,200 is on hand for this work.

Plans for these buildings are in various stages of progress in the office of State Architect George B. McDougall, Public Works Building, Sacramento.

PLANNED

PRESCOTT, Ariz.—Arizona Nat'l Guard has requested the Civil Work Administration to aid in financing the construction of an armory in Prescott to cost between $20,000 and $25,000.

PRELIMINARY PLANS COMPLETE

REDLANDS, San Bernardino Co. Cal.—Louis H. Cooper, Redlands City Engineer, is checking plans for the proposed new Redlands City Hall, preliminary to their submission to the government with an application for financing the project. The building will be a fireproof structure, containing 15,000 square feet of floor space with reinforced concrete walls and floor and roof slabs, and a two-pipe steam heating system. Estimated cost $75,000. Howard E. Jones, 518 Anderson Bldg., San Bernardino, architect.

Preparing Working Drawings.

COURTHOUSE Cost, $250,000
MODESTO, Stanislaus Co., Cal.
Three-story reinforced concrete courthouse.
Owner—County of Stanislaus.
Architect—G. N. Hilburn, 1213 I St., Modesto and E. G. Ernst, Associated, 9 W. Cleveland St., Stockton.
Bids will be asked about Feb. 20.

14— RESIDENCES

Contract Awarded.

RESIDENCE Cost, $8000
SAN FRANCISCO. N Cumberland 100 E Dolores St.
Two-story frame and stucco residence
Owner—Mrs. N. Callan, 120 Virginia Ave., San Francisco.
Architect—Not Given.
Contractor—A. & B. Quinn, 229 Dolores St., San Francisco.

To Be Done By Day's Work.

RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Calif. 1816 Leimert Blvd.
Two - story and basement frame and stucco residence (7 rooms).
Owner and Builder—David Kesti, 2217 Browning St., Berkeley.
Architect—Not Given.

To Be Done By Day's Work.

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 3720 Elston Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Plans by Owner.

LOW BIDDER

RESIDENCE Cost, $10,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and brick veneer residence (8 rooms, 3 baths) shingle roof, gas heating system, hardwood floors, etc.
Owner—C. Cole.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Low Bidder — Moore & Roberts, 693 Mission St., San Francisco.

Contract Awarded.

ALTERATIONS Cost, $1070
SAN JOSE, Santa Clara Co., Cal. No. 236 Auzerais Street.
Alterations to residence.
Owner—John Tennis, 236 Auzerais St., San Jose.
Architect—Guy Koepp, Carmel.
Contractor—Wm. F. Pogue, 189 N. 34th St., San Jose.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 4000 Oakmore Road.
One-story frame and stucco residence (6 rooms) tile and composition roof, gas heating, hardwood floors, etc.
Owner—O. W. Johnson.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.
Wiring—E. L. Reed, 3515 Porter St., Oakland.
Furnace—Pacific Gas & Appliance Co., 19th and Market Sts., Oakland.
Painting—Joel Johnson, 3937 High St. Oakland.
Brick—A. B. McMurty, 3626 Broadway Terrace, Oakland.
Tile Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.

COMPLETING PLANS.
BEVERLY HILLS, Los Angeles Co., Calif.—Architect J. E. Dolena, 9397 Wilshire Blvd., Beverly Hills, is completing working plans for alterations and additions to a dwelling at 809 N Hillcrest Drive, Beverly Hills, for Wm. Powell. Brick, frame and plaster construction, hardwood and tile floors, hardwood and pine trim, painting and decorating, gas unit heating system, automatic storage water heater, etc. Cost, $30,000.

Foundation Contract Awarded.
RESIDENCE Cost, $6500
WALNUT CREEK. Contra Costa Co.
One-story adobe residence (8 rooms and 2 baths), oil burning heating system, hardwoor floors, tiled baths, etc.
Owner — Misses Alice and Aileen Martin.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Foundations — Mr. Lichens, Walnut Creek.
Construction of the residence will not start until Spring.

Sub-Contracts Awarded.
REMODEL RESIDENCE Cost, $3130
SAN FRANCISCO. Sixteenth Avenue and Lake Street.
Remodel residence (2-story frame and stucco structure) work involves: new entrance, brick steps, wrought iron railing, new kitchen equipment, new plumbing fixtures, add one new bath room, linoleum and canvas in baths, complete painting and decorating, warm air gas heating system, living room to be done in pine.
Owner—Sheldon Potter.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Plumbing—Chas. Harper, 32 Caselli Ave., San Francisco.
Heating and Sheet Metal — Buriani Sheet Metal Co., 520 Bay Shore Bldg., San Francisco.
Other awards will be made shortly.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. SE Twenty-fifth Ave. and Lincoln Way.
One-story and basement frame and stucco residence (7 rooms); tile roof, gas heating system, hardwood floors and trim, tiled bath, etc.
Owner — Mrs. Lilly S. Stamer, 496 Castro St., San Francisco.
Plans by J. H. Devitt, 22 Kearny St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Lumber—Roth Maier, 2800 Third St.
Glass—W. P. Fuller & Co., 301 Mission St.
Mill Work—Brannan Street Planing Mill, 560 Brannan St.

BIDS WANTED
SAN FRANCISCO—Until February 1, 2 P. M., bids will be received by U. S. Forest Service, L. M. Barrett, Regional Forester, 85 Second Street, San Francisco, for furnishing 175 ready-cut buildings for various stations in the natoinal forests of California and Nevada, including the following: 13 Ranger Stations, one-story, living-room, two bedrooms, bath and kitchen; 29 Guard Stations, threee rooms; 3 Lookout-Fireman Stations, three-room; 9 Guard Stations; Fore-Crew type; 15 two-room offices; 5 one-room offices; 1 double garage; 51 garage and tool houses (or woodshed); 49 woodsheds with cement floor.

Contract Awarded.
RESIDENCE Cost, $9000
SAN FRANCISCO. St. Francis Wood. E Santa Ana, 100 North Monterey Blvd.
Two-story and basement frame and stucco residence (7 rooms and 3 baths).
Owner—Fred W. Kant, Mills Bldg.
Architect— Henry H. Gutterson, 526 Powell Street.
Contractor—D. B. Gladstone, 557 Market Street.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Windsor St. (Sunset Gable Tract).
Two-story frame and stucco residence (6 rooms) shingle roof, gas heating system ,tile work, wood sash, sheet metal, etc.
Owner—Mrs. Ruth Utter, Richmond.
Architect—Not Given.
Contractor— W. A. Netherby, 3853 Lyman Road, Oakland.
Foundations—Axel Johnson, 1844 Channing Way, Berkeley.
Rough Lumber—Swift Lumber Co., 340 29th Ave., Oakland.
Sub-bids are wanted on plumbing, sewer, heating, brick veneer, chimneys, wiring, plastering, sash and doors, trim, tile work, painting, hardware and finish cement.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $3000
OAKLAND, Alameda Co., Cal. No. 923 Forty-fourth Street.
One-story frame and stucco residence (4 rooms).
Owner—L. Oddone.
Architect—Not Given.
Contractor—M. E. Valente, 5118 Clarke St., Oakland.
Tile—A. C. Stewart, 566 34th St., Oakland.
Hardware—Fiorio Hardware Co., 4799 Telegraph Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 3069 Mountain Blvd.
Two-story frame and stucco residence (4 rooms).
Owner—M. A. dePerhach.
Architect—Not Given.
Contractor—Alfred Cords, 1723 Franklin St., Oakland.
Plumbing—Brand & Lutz, 4180 Howe St., Oakland.
Brick—A. B. McMurtry, 6326 Broadway Terrace, Oakland.
Roofing — Marshall Shingle Co., 3729 Telegraph Ave., Oakland.
Hardware — Maxwell Hardware Co., 1320 Washington St., Oakland.
Millwork and Frames—Swift Lumber Co., Inc., 340 29th Ave., Oakland.
Concrete—Transit Concrete Co., Ltd., 2509 Peralta St., Oakland.

Lumber Contract Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 3997 Oakmore Road.
One and one-half-story frame and stucco residence (6 rooms).
Owner and Builder—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Lumber—Smith Lumber Co., 19th Ave. and Estuary, Oakland.

Contract Awarded.
RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. Southwood Drive.
One-story frame and stucco residence (5 rooms).
Owner—Wm. E. McQuitty, Alameda.
Architect—Not Given.
Contractor—Chris Hansen, 1500 Santa Clara Ave., Alameda.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 34 Oval Road.
One-story and basement frame and stucco residence (5 rooms).
Owner—J. S. Wiggins, 5733 Grisborne Ave., Oakland.
Architect—Not Given.
Hardware—Simon Hardware Co., 639 Broadway, Oakland.
Hardwood Floors—Ability Hardwood Floor Co., 1807 40th Ave., Oakland.
Fixtures — Maxwell Hardware Co., 1320 Washington St., Oakland.
Heating—Ruud Heater Co., 472 20th St., Oakland.

Bids In—Held Under Advisement.
RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co., Cal.
One-story and basement frame and stucco residence.
Owner—Mr. Cook.
Architect—Leslie Nichols, Palo Alto.

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R. G. LE TOURNEAU, INC.

Wilson Way at Roosevelt Stockton, Calif.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
PIEDMONT, Alameda Co., Cal. No. 353 Olive Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—A. Mackenzie, 1441 Franklin St., Oakland.
Architect—Not Given.
Contractor—J. Sexton, 6100 Taft Ave., Oakland.
Tile Roofing — Western Roofing Co., Inc., 24th and Poplar Sts., Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Electric Work—Kerr & Clifford, 3626 E-14th St., Oakland.
Electric Fixtures—Voorhees & Macchio, 4121 Broadway, Oakland.
Hardware—Marcus Cut-Rate Hardware & General Merchandise Co., 7th and Washington Sts., Oakland.
Concrete—Norman McLeod, 1163 Wellington St., Oakland.
Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.
Mill Work—Pacific Mfg. Co., 1315 7th St., Oakland.
Plumbing — J. J. Horner, 2215 Park Blvd., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN FRANCISCO. S North Point St. 155 E Fillmore St.
One-story and basement frame and stucco residence.
Owner and Builder — J. W. McCabe, 1761 Beach St., San Francisco.
Architect—Not Given.

Contract Awarded.
IMPROVEMENTS Cost, $3500
SAN FRANCISCO. NE Scott and Green Streets.
Improvements to property (alter terrace, concrete work, landscaping, etc.)
Owner—M. Harrison, 2800 Scott St., San Francisco.
Architect—Warren Perry, 260 California St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda County, Calif. Wellesley Ave. near Arlington.
One-story frame and stucco residence (4 rooms) shingle roof, steel sash, hot air heating system, hardwood floors, etc.
Architect—F. L. R. Confer, 2812 Russell St., Berkeley.
Contractor—F. W. Confer, 2800 Shasta Ave., Berkeley.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.
Concrete—Golden Gate Stucco Co., Masonic and Brighton, Oakland.
Sub-bids are being received on roofing, plumbing, hardwood flooring, sheet metal, steel sash, electric wiring and painting.

Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 971 Longridge Ro: I.
Two-story and basement frame and stucco residence (9 rooms).
Owner—A. R. Lapham, 947 Hillcroft Circle, Oakland.
Architect—Not Given.
Contractor—Theo. Lapham, 546 Kenmore Ave., Oakland.

Owner Taking Sub-Bids.
ALTERATIONS AND ADDITIONS Cost, $3000
SAN FRANCISCO. No. 430 Madrid St.
Alterations and additions to frame residence (add concrete sub-basement, general alterations, etc.)
Owner — Alessandri & Martary, 158 Lisbon St., San Francisco.
Architect—R. R. Irvine, 2048 Market St., San Francisco.

Sub-Bids Being Taken.
COTTAGES Cost, $3200 each
ALBANY, Alameda Co., Cal.
Group of 20 one-story frame and stucco cottages (5 rooms each).
Owner and Builder—C. M. McGregor, Albany.
Plans by W. W. Dixon, 1844 5tha Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Divisadero Street near Pacific Avenue.
Two-story and basement frame and stucco residence.
Owner—Stanley Sinton, 133 Montgomery St., San Francisco.
Architect—Willis Polk Co. (Angus McSweeney, architect, 277 Pine St.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Plumbing and Heating—James Pinkerton, 927 Howard St.
Roofing—Slate Roofing Co., 5324 Mainal Ave., Oakland.
Mill Work — Lannom Bros., 5th and Magnolia Sts., Oakland.
As previously reported, excavation awarded to Louis Sartorio, 2627 Lombard St.; reinforcing steel to Gunn, Carle & Co., 20 Potrero Ave.

Sub-Contracts Awarded.
ALTERATIONS Cont. Price, $53,200
HILLSBOROUGH, San Mateo Co., Cal. Easton Drive.
Alterations and additions to two-story and basement frame residence (add rooms, new plumbing, heating, wiring, mill work, etc.)
Owner—Paul I. Fagan, Hillsborough.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.
Excavation and Concrete Materials—H. E. Casey Co., San Mateo.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Electric — Central Electric Co., 179 Minna St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Plastering—Peter Bradley, 639 Brannan St., San Francisco.
Hardwood Floors—Inlaid Floor Co., 600 Alabama St., San Francisco.
Structural Steel—Western Iron Wks. 151 Beale St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Carolands.
Two-story and basement frame residence (10 rooms and 4 baths); rustic exterior, shake roof, gas heating system, hardwood floors, linoleum in baths, etc.; Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.
Bids will be asked in two or three

15— SCHOOLS

COMPLETING PLANS.
NEWPORT BEACH, Orange Co., Cal.—Architect D. B. Kirby, 119 N Kenwood, Glendale, is completing plans for the proposed new elementary school building to be erected in Newport Beach. Plans will be forwarded to the State Division of Architecture for approval in the near future, after which a bond issue will probably be submitted to provide funds for the project. The building, which will be constructed on the site of the former school, is designed to utilize the foundation, floors and partitions in the wing of the old structure, which is still standing. Seventeen classrooms, library, cooking laboratory, manual education department, auditorium to seat 500 person and a cafeteria will be provided. Estimated cost $110,000.

COMMISSIONED TO PREPARE PLANS.
PASADENA, Cal.—Pasadena board of education has approved architectural contracts for preparing plans and specifications for repairing school buildings as follows: A 1-story structure at the Jefferson school site to cost $110,000 and a two-story reinforced concrete building at the Altadena school site to cost $95,000; Marston & Maybury, architects. One story, reinforced concrete school at the Cleveland site to cost $56,000; R. H. Ainsworth, architect. Reinforced concrete repairs and alterations to the Abraham Lincoln school to cost $60,000; Frederick Kennedy, Jr., architect.

BOND ELECTION PLANNED.
ARDEN, Sacramento Co., Cal.—Arden School District will hold a special election shortly to vote bonds in the amount of $15,000 to finance construction of an addition to present school building in Arden. Plans call for enlarging the auditorium, two new classrooms, central heating plant, re-roofing building, etc.

PREPARING WORKING DRAWINGS
LOS ANGELES, Calif. — Structural Engineer C. G. DeSwarte, room 505, 811 W 7th St., has been authorized by the Los Angeles board of education to proceed with working drawings for reconstructing, repairing and reinforcing the Wadsworth St. school. Cost, $71,008.

PLANS COMPLETE.
LONG BEACH, Calif.—Long Beach board of education has approved completed plans, which will be sent to the State Division of Architecture for approval, for repairing the administration buildings at the Woodrow Wilson high school. Plans were prepared by Architect W. H. Austin, 532 Chestnut Ave., Long Beach, and Engineer F. H. Plouhy, 9273 Cordell Drive, Los Angeles. The cost of repairs is estimated at $90,000.

COMMISSIOENDE TO PREPARE PLANS
LOS ANGELES, Cal. — Structural Engineer Murray Erick, 811 W. 7th St., has been commissioned by the Los Angeles Board of Education to prepare preliminary engineering drawings for rehabilitating, reconstructing and strengthening the Thomas A. Edison Junior High School, including the auditorium and classroom building, cafeteria and home economics building shop building and boys' and girls' gymnasium building. Cost is estimated at $134,882.

Plans Being Figured—Bids Close Feb. 6, 7:30 P. M.
ADDITION Cost, $10,000
SALINAS, Monterey Co., Cal.
Two-room addition to Lincoln School building (frame and stucco construction) & alterations to Roosevelt School.
Owner—Lincoln School District.
Architect—Chas. Butner, 51 Maple St. Salinas.
Plans and specifications available from the architect upon deposit of $5 and on file in the office of the Supt. of Schools, 111 West Aslial St., Salinas.

CONTRACT AWARDED.
SAN FRANCISCO.—Gill-Mann Co., 629 Fulton St., at $29,665 awarded the contract by Department of Public Works for new blackboards in the Redding, Spring Valley, Madison, Ar-

gonne, Laguna Honda, Marshall, Monroe, Junipero Serra and Farragut schools. Complete bids published Jan. 11th. *

BIDS OPENED

OAKLAND, Alameda Co., Cal.—Following bids received by the Oakland Board of Education for assembly chairs, bentwood chairs and tablet arm chairs. Schedule No. 20:

Minthe Equip. Co., S. F.	$5120
Anderson, Ltd.	5120
John Breuner Co., S. F.	5120
*Thomas Sallon	3815
*Pacific Furniture Co., Oakland	3335
*Ink Ribbon Mfg. Co., S. F.	2745
*C. J. Waterhouse, S. F.	1040
*Otis File & Office Furniture Co. Oakland	2673
*Rucker Fuller Co., S. F.	1785
*Dohrmann Hotel Supply Co., San Francisco	960

Bids held under advisement.
*Partial bid.

BIDS WANTED.

SAN FRANCISCO.—Until Jan. 31, 1:45 P. M., informal bids will be received by Department of Public W'ks, for the demolition of auditorium wing at the Daniel Webster School, 20th and Connecticut Sts. Estimated cost under $1,000.

PLANS COMPLETE

INGLEWOOD, Los Angeles Co., Cal. —Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, have completed working drawings for reconstructing and strengthening the fine arts building at the Inglewood high school for the Inglewod board of education. The plans have been sent to the state architect for approval. The work will include removing four inches of face brick on the exterior walls and replacing with 4 inches of gunite, interior steel trusses, plastering of interior walls and ceilings, refinish floors, new steam heating, aid conditioning system, etc. An application for Federal grant has been made. Cost estimated at $45,000.

PREPARING WORKING DRAWINGS

LOS ANGELES, Calif. — Structural Engineer Blake E. Beatty, 2830 San Marino St., has been authorized to proceed with working drawings for repairing, reconstructing and reinforcing the Fries Avenue school. Cost is estimated at $54,880.

PREPARING WORKING DRAWINGS

LOS ANGELES, Cal. — Structural Engineer, W. M. Bostock, 6723 Passaic St., Huntington Park, has been authorized by the Los Angeles Board of Education to proceed with working drawings for reconstruction, repairing and reinforcing the San Gabriel Ave. School. Cost is estimated at $24,192.

PLANS COMPLETED

HUNTINGTON BEACH, Orange Co., Cal.—Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, have completed working drawings for a two story Class A steel and reinforced concrete school building to be built at the Huntington Beach elementary school site, for the Huntington Beach Board of Education. The building will be 267x162 feet in area, containing 31 classrooms and auditorium to seat 500 persons; composition roofing, steam heating, ventilating system, concrete floors, wood sash, etc. Cost is estimated at $200,000. An application for funds has been made under the Greene Bill.

BIDS OPENED

SAN FRANCISCO—Asbestos Co. of California, 475 Stevenson St., at $349 submitted low bid to Department of Public Works for covering hot air ducts with asbestos paper in the basement of Frank McCoppin School; hot air ducts to be covered with two layers of ¼-in. corrugated asbestos paper, wire and finished with 6 oz. canvas sewed in place. Following bids received:

Asbestos Company of Calif.	$349.00
Western Manufacturing Co.	350.50
Jones Bros. Asbestos Co.	357.00
Plant Rubber Asbestos Co.	357.75

Bids held under advisement.

Preparing Preliminary Studies.

REPAIR SCHOOL Cost, $46,000
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.

Preparing Preliminary Studies.

REPAIR SCHOOL Cost, $68,400
SAN FRANCISCO. Pine and Larkin Streets.
Repairs to Redding elementary school.
Owner—City and County of San Francisco.
Engineer—C. H. Snyder, 251 Keanry St., San Francisco.

PREPARING WORKING DRAWINGS

LOS ANGELES, Cal. — Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg., has been authorized by the Los Angeles Board of Education to proceed with working drawings for repairing, reconstructing and reinforcing the Torrance elementary school. Cost, $72,744.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Structural Engineer Laurance J. Waller, 257 S. Berendo St., has been commissioned by the Los Angeles Board of Education to prepare preliminary engineering drawings for reconstructing, rehabilitating and strengthening at James A. Foshay Junior High School, including the main building, south building, domestic science building, shop buildings Nos. 1 and 2, physical education building and colonnades and arcades. Cost is estimated at $228,648.

Preparing Working Drawings.

ADDITION Cost, $25,000
LE GRAND, Merced Co., Cal.
Addition to high school (frame and stucco construction).
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bonds in the amount of $25,000 were voted January 23.

BIDS OPENED

SAN FRANCISCO — Lamey Bros. Tile Co., 425 Van Ness Ave. South, at $70 submitted low bid to Department of Public Works for tile work at the Portola Junior High School, Girard Street, between Burrows and Bacon Sts., involving removal of tile on south wall in boys' lavatory on third floor; cut off float coat and relay same, using old tile as las as possible and replace broken and chipped tile with new tile of same size and manufacture. Following bids received:

Lamey Bros. Tile Co.	$ 70
Richmond Tile Co.	105
Art Tile & Mantel Co.	136

Bids held under advisement.

CONTRACT AWARDED.

SACRAMENTO, Calif. — Munthe Equipment Co. 7 Front Street, San Francisco, and E. P. Finnigan, Sacramento, awarded contracts by the Sacramento board of education to furnish and install gymnasium equipment in the Kit Carson Junior High School, Sacramento.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Structural Engineer Geo. J. Fosdyke, 112 N Main St., has been commissioned by the Los Angeles Board of Education to prepare preliminary drawings for reconstructing, rehabilitating and strengthening the Lillian Street School. Cost, $53,760.

PREPARING WORKING DRAWINGS

LOS ANGELES, Calif. — Structural Engineer Blaine Noice, 5436 Carlton Way, has been authorized by the Los Angeles board of education to proceed with working drawings for repairing, reconstructing and reinforcing at the Gardena high school. Cost is estimated at $41,440.

Preparing Working Drawings.

REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Plans will be completed about Feb. 1

Commissioned To Prepare Plans.

RECONSTRUCT SCHOOL $46,000
SAN FRANCISCO. Seventh Ave., bet. Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.

LOAN GRANTED

BRIGHAM CITY, Utah. — Public Works Administration allotted $175,000 to the Box Elder School District for the construction of three school buildings, addition to one and repairs to 34 existing school buildings.

To Be Done By Day's Work.

BERKELEY, Alameda Co., Cal. — Berkeley Board of Education has started construction of an administration building, cafeteria and health unit and library building at the Lincoln, Longfellow and Garfield Schools. Work is being done by day's labor under the CWA.

BIDS OPENED.

FILLMORE, Ventura Co., Cal.—Until 2 P. M., February 3, bids will be received by the Fillmore Grammar School District for the construction of a five-classroom addition to the Sespe Avenue school in Fillmore. Bids will be taken as follows: (1) general work; (2) plumbing; (3) heating and ventilating; (4) electrical work. Certified or cashier's check or bidder's bond in the sum of 10% must accompany each bid. Plans and specifications were prepared by Architect F. R. Schaefer, 1117 Kerckhoff Bldg., Los Angeles. The addition will be a reinforced concrete structure with stucco exterior, clay tile roof and gas-steam radiators. Total estimated cost $27,000.

Planned.

CHICO, Butte Co., Cal. — Chico High School District is planning the construction of a girls' shower room at the high school in the near future. Work will be done by day's labor under the CWA at an estimated cost of $2042 for the labor. Materials will cost $3805. City Engineer, Martin Polk will make a preliminary ground survey shortly.

LOAN GRANTED

CARBON COUNTY, Wash.—Public Works Administration allotted $293,-

000 to the Carbon County School District for the construction of one school building and additions to five existing school buildings in Carbon County.

Preparing Working Drawings.
SCHOOL IMP. Cost, $120,000
SAN MATEO COUNTY, Cal.
Alterations and additions to school buildings in San Mateo and Burlingame.
Owner — San Mateo Junior College District.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Following schools will be improved:
San Mateo High School;
Burlingame High School;
San Mateo Applied Arts Bldg.
Plans will be completed in about ninety days.

Ask Federal Aid.
LIBRARY Cost, $45,000
MODESTO, Stanislaus Co., Cal. Junior College.
Library unit for the Modesto Junior College.
Owner—Modesto Junior College Dist. (C. Shakelford, President of the Board).
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Application has been filed with the Public Works Administration for a grant of $25,000 to help finance construction. Preliminary plans are now being prepared.

BOND ELECTION.
BEVERLY HILLS, Los Angeles Co. Calif.—Beverly Hills School District will hold an election February 16, at which time it is proposed to vote bonds in the sum of $250,000 for strengthening ten grammar school buildings in Beverly Hills.

ASK FEDERAL AID.
SAFFORD, Ariz. — Graham County School District No. 1 has applied to the Public Works Administration for a loan of $12,000 to be used for financing the construction of an addition to the Safford grammar school.

PREPARING PRELIMINARY PLANS
PASADENA, Cal.—Architect Frederick Kennedy, Jr., 1041 E Green St., Pasadena, is preparing preliminary plans for rehabilitating the Washington Elementary school for the Pasadena board of education. It is proposed to divide the building into two separate structures, remove a portion of the exterior brick walls and repair with reinforcing steel and gunite. Estimated cost $100,000.

BIDS WANTED.
SAN FRANCISCO.—Until Jan. 24, 1:45 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public W'ks, City Hall, for covering hot air ducts with asbestos paper in the basement of Frank McCoppin School; hot air ducts to be covered with two layers of ¼-in. corrugated asbestos paper, wire and and finished with 6 oz. canvas sewed in place. Approximate sizes follow:
82 ft. 8x12;
33 ft. 8x8;
66 ft. 8x10;
56 ft. 12x16;
56 ft. 12x14;
30 ft. 10x12;
40 ft. 12x18.
Approximate cost $200. Specifications available from above office.

LOW BIDERS.
SALT LAKE CITY, Utah.—G. A. Whitmeyer & Sons Co., Ogden, Utah, at $251,900 submitted low bid to the Utah State Building Commission for the construction of a library building at the Univers ty of Utah. James J. Burke & Co. were second low at $260-859 and Morrison-Knudsen Co. were third low at $269,172. A. H. Palmer at $35,824 were low bidders on plumbing, heating and ventilating; Apex Electric Co. were low bidders on electric wiring at $16,499; Otis Elevator Co. at $4,390 low bidders for elevators, and Steel Fixture Mfg. Co. at $35,729 were low bidders for library stacks.
Bids held under advisement. Ashton & Evans, Vermont Bldg., Salt Lake City, architect.

Contracts Awarded.
SCHOOL Cost, $15,000
HOLLISTER, San Benito Co., Cal.
One-story reinforced concrete primary school (4 classrooms) tile roof, wood flors, etc.
Owner — Hollister Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Lumber — McKinnon Lumber Yard, Hollister, at $1759.50.
Rock—Central Supply Co., Hollister, at $1.45 per ton.
Steed—Ladd Hardware Co., Hollister, at $310.89.
Roofing—Central Supply Co., Hollister at $1055.

Preparing Preliminary Plans.
HIGH SCHOOL Cost, $30,000
CLOVERDALE, Sonoma Co., Cal.
One-story frame and stucco high school (5 or 6 classrooms, combination gymnasium and auditorium).
Owner—Cloverdale High School Dist.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Application will be filed with the Public Works Administration to finance construction.

Planned.
SHOPS, ETC. Cost, $75,000
TURLOCK, Stanislaus Co., Calif.
Construct group of shops, etc., at the Turlock Union High School.
Owner—Turlock Union High School District.
Architect—G. N. Hilburn, 1213 I St., Modeesto.

Preparing Working Drawings.
ADDITION Cost, $8000
OAKLAND, Alameda Co., Cal. Seminary and Camden Streets.
Reinforced concrete addition to art gallery at Mills College.
Owner—Mills College, Premises.
Architect—W. H. Ratcliff, Jr., Chamber of Commerce Bldg., Berkeley.

PLANNED.
PALO ALTO, Santa Clara Co., Cal. —Engineer W. L. Huber, 1 Montgomery St., San Francisco, reported the following improvements necessary to the Palo Alto and Mayfield Schools to comply with the new earthquake law:
Rebuilding the auditorium of the Palo Alto High School, remodel administrative unit, alter library and gymnasium, etc.
Reconstruct and strengthen Mayfield School.
Estimated cost of improvements, $80,000. Further details will be announced at a later date.

CONTRACT AWARDED
CROCKETT. Contra Costa Co., Cal. —Crockett School Board Trustees awarded a contract to Karl S. Koller, Crockett, at $17,000 to construct 21 frame elementary school buildings and 19 frame high school buildings. Temporary buildings will be of frame construction and range in size from 24x 30 feet to 24x60 feet, and will be erected on the athletic fields of the schools.

Bids Wanted—To Close Feb. 5, 10 A. M.
ADDITION Cost, $28,000
AVENAL, KERN CO., Cal.
Brick addition to elementary school building (3 classrooms, basement with cafeteria and lunch room, etc.)
Owner — Reef-Sunset School District, (C. B. Kimberlin, Clerk).
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Plans and specifications on file with the Clerk of the Board and at the offices of the Architect.

PLANNED
BIGGS, Butte Co., Cal.—Biggs Elementary School District is planning the construction of an auditorium at Biggs Elementary School. Federal aid will be sought if the district votes bonds for the erection of the structure.

FIRE LOSS
CALLA, San Joaquin Co., Cal.—Fire destroyed the Calla Grammar School January 19. Domage estimated at $20,000.

Plans Being Prepared
SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Broadway, bet. Powell and Mason Sts.
Repairs and Reconstruction of school building. (Jean Parker School).
Owner — City and County of San Francisco.
Architect and Engineer—W. P. Day, Financial Center Bldg., S. F..

ASK FEDERAL AID.
ARCATA, Humboldt Co., Cal.—Applications has been filed with the Plublic Works Administration for a loan of $250,000 to finance construction of a new building at the Humboldt State Teachers' College at Arcata.

PLANNED
KINGSBURG, Fresno Co., Cal.—Work will be started shortly on the reconstructnon of foundations under the Roosevelt School in Kingsburg. W. D. Coates Jr., Rowell Bldg., Fresno, architect.

TO ASK FEDERAL AID.
BURBANK, Los Angeles Co., Cal.—Burbank board of education will apply for Federal aid for reconstructing junior and senior high school buildings in Burbank and a bond issue will be submitted at an early election to provide funds for reconstructing elementary schools. Cost of rehabilitating the high school buildings is estimated at $320,000, including rebuilding the original structure at the high school and certain units at the John Burroughs and John Muir junior high schools. Elementary schools scheduled for repairs are Joaquin Miller, Luther Burbank, Emerson, Edison, Lincoln, Washington, McKinley and Roosevelt. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

BOND ELECTION.
BARSTOW, San Bernardino Co., Cal.—Barstow Union High School District has called an election for Jan. 31 at which time the voters will be asked to approve an application to the Public Works Administration for a loan and a grant to finance the construction of a new high school plant. The proposed plant would accommodate 350 students and would cost approximately $100,000.

Preparing Preliminary Plans.
SCHOOL REPAIRS Cost, $28,000
SAN FRANCISCO. Golden Gate Ave Bet. Scott and Pierce Sts.
Repairs and reconstruction of school building.

wner—City and County of San Francisco.
ngineer—A. P. Fisher, 111 Sutter St., San Francisco.

lanned.
EPAIR SCHOOL Cost, $35,850
epairs and reconstruction of Adams Elementary School.
wner—City and County of San Francisco.
rchitect—Not Selected.

lanned.
EPAIR SCHOOL Cost, $48,500
AN FRANCISCO. Excelsior Ave. at London Street.
epairs and reconstruction of Excelsior Elementary School.
wner—City and County of San Francisco.
rchitect—Not Selected.

lanned.
EPAIR SCHOOL Cost, $20,300
AN FRANCISCO. Filbert St., bet. Jones and Taylor Sts.
epairs and reconstruction of Hancock Elementary School.
wner—City and County of San Francisco.
rchitect—Not Selected.

lanned.
EPAIR SCHOOL Cost, $51,144
AN FRANCISCO. Jackson St., bet. Hyde and Larkin Sts.
epairs and reconstruction of Spring Valley Elementary School.
wner—City and County of San Francisco.
rchitect—Not Selected.

O ASK BIDS.
VENTURA, Cal.—State Director of rchitecture has approved plans and to Ventura school board will advertise for bids at once for structural erations to the Washington Grammar School in Ventura. The work will cost between $20,000 and $25,000, approximately $5200 of the cost having been allotted by the Federal government. Harold E. Burket, 455 E Main S., Ventura, architect.

Planned.
EPAIR SCHOOL Cost, $64,357
SN FRANCISCO. Washington and Mason Streets.
epairs and reconstruction of Washington School.
wner—City and County of San Francisco.
rchitect—Not Selected.

Contracts Awarded.
SHOOL Cost, $——
AKERSFIELD, Kern Co., Calif. F St. bet. 31st and California Sts.
wo-story high school bldg. (21 classrooms) Class A steel frame and reinforced concrete construction.
wner—Kern County Un. High School District.
rchitect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.
ontractor—Stroud Brothers & Seabrook, Union & Truxton Avenues, Bakersfield, $105,600.
lumbing—Gundlach Plbg. & Sheet Metal Co., 2325 Chester Avenue, Bakersfield, $3,325.
eating and Ventilating — Gundlach Plumbing & Sheet Metal Co., $9,850.
econd low bid on the general work as submitted by H. Mayson, Los Angeles, at $106,987.
omplete bids will be published artly.

Preparing Working Drawings.
EPAIR SCHOOL Cost, $69,400
SN FRANCISCO. Hayes and Ashbury Streets.
epair and reconstruction of Lowell high school.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Plans will be completed in about 6 weeks.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. bet. Powell and Stockton.
Repair and reconstruction of Commodore Stockton school.
Owner—City and County of San Francisco.
Engineer—W .L. Huber, 1 Montgomery Street.
Plans will be completed in about two weeks.

Preparing Preliminary Studies.
REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

TO MAKE SURVEY
CROCKETT, Contra Costa Co., Cal. —Engineers Henry D. Dewell and Austin W. Earl, 55 New Montgomery St., San Francisco, have been commissioned by the Trustees of the Crockett School Board to make a survey of the schools in Crockett to determine their safety and report on necessary improvements and reconstruction work.

16—BANKS, STORES AND OFFICES

Completing Plans.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. Sixteenth St. and Telegraph Ave.
Alterations to store (interior decorating, new front, etc.)
Owner—Moss Stores.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Bids will be asked in about one week

To Be Done By Day's Work.
STORE Cost, $1500
SAN JOSE, Santa Clara Co., Cal. No. 646 Park Ave.
One-story store building.
Owner—Pacific Truck Service, Inc., Premises.
Architect—Not Given.

Contract Awarded.
ALTER LOFT Cost, $1500
SAN FRANCISCO. No. 1026 Market Street.
Alterations to loft building.
Owner—Haas Realty Co.
Architect—Not Given.
Contractor—Jacks & Irvine, 74 New Mongomery St., San Francisco.

CONTRACT AWARDED
STORE Cost, $19,200
CROCKETT, Contra Costa Co., Cal. Second Ave. and Ceres St.
Two-story, basement and mezzanine floor reinforced concrete and steel store building (50x100 ft.) brick veneer facing.
Owner—Valli & Vrivelli, Ltd., Crockett.
Architect—James T. Narbett, 474 31st St., Richmond.
Contractor—Karl S. Koller, Box 607, Crockett.

Planned.
ALTER CAFE Cost, $10,000
FRESNO, Fresno Co., Cal. No. 1137 Broadway.
Alterations to building for cafe (Mission style of architecture).
Owner—Mrs. Mary Chance, 820 Mildreda Ave., Fresno.
Architect—Not Given.
Lessee — D. J. Urdesich and Vico Tomisich, 1331 E St., Fresno.

ASK FEDERAL AID.
REDWOOD CITY, San Mateo Co., Cal.—San Mateo county supervisors applied to the Public Works Administration for a loan of $99,136 and a grant of $36,230 for financing the construction of a four-story, reinforced concrete office building in Redwood City. Preliminary plans for the structure were prepared by the San Mateo planning commission.

AWARD.
SAN BERNARDINO, Cal.—Bakker & Robinson, 732 D St., San Bernardino, have been awarded a contract for the erection of a two-story and basement, Class A store building, 61x165 feet in area, at the SW corner of Court and E Sts., San Bernardino, for Montgomery, Ward & Co., 600 W Chicago Avenue, Chicago. Electrical equipment and plumbing will be awarded under separate contracts. Plans were prepared by the owner's engineering department in Chicago and work will be carried on under the supervision of their construction superintendent, whose office is located at 2825 E 14th St., Oakland. The building will have reinforced concrete walls partitions and floor and roof slabs, structural steel, steel sash, metal doors, red gum and birch trim, freight elevator, plate glass, etc. Cost, $90,000.

Contract Awarded.
ALTER LOFT Cost, $1500
SAN FRANCISCO. No. 1026 Market Street.
Alterations to loft building.
Owner—Haas Reatly Co.
Architect—Gardner Dailey, 210 Post St., San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St., San Francisco.

Planned.
BUILDING Cost, $——
PALO ALTO, Santa Clara Co., Cal. W. University Ave. at The Circle.
Construct new business building (type and size not determined).
Owner — Kernan Robson, deYoung Bldg., San Francisco.
Architect—Not Given.
Further details will be announced at a later date. Proposed work is in a very preliminary stage.

Contract Awarded.
STORES Cost, $7000
SAN FRANCISCO. NW 20th and Noriega.
One-story frame store.
Owner—Crocker First Federal Trust Co., Post and Montgomery Sts.
Engineer—T. Ronneberg, Crocker Building.
Contractor—Barrett & Hilp, 918 Harrison Street.

Contract Awarded.
ALTER BLDG. Cost, $3000
FRESNO, Fresno Co., Cal. 1356-1564 Broadway.
Alterations to store building.
Owner—Lyon W. Parker.
Architect—Not Given.
Contractor—F. J. Stone, Mason Bldg., Fresno.

Plans Being Prepared.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Calif. NW Broad and Pine Streets.
One-story reinf. concrete bank bldg. (composition roofing, steam heat)
Owner—Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.

Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Construction will not be started for two or three months.

Bids Opened.
ALTER BLDG. Cost, $3500
FRESNO, Fresno County Calif. 1416 Broadway.
Alterations and additions to store building.
Owner—Mrs. Clara Hoefer, 2605 Mariposa St., Fresno.
Architect—Swartz and Ryland, Brix Bldg., Fresno.
Low Bidder—Thewhitt - Shields Co., Pacific Southwest Bldg., Fresno.
Following bids received:

Trewhitt-Shields Co.	$3,467
A. R. Eklund	3,555
Roy Martin	3,740
T. C. Irwin	3,869
Jolly & Harrington	3,945
W. T. Harris	3,984
Wm. Hopkins	4,050
Forest Farr	4,100
LoForti & Heffner	4,200

(All of Fresno).
Bids held under advisement.

Contract Awarded.
ALTERATIONS Cost, $4000
FRESNO, Fresno Co., Calif. 1210-20 Broadway.
Alterations to store building.
Owner—Lyon W. Parker.
Architect—Not Given.
Contractor—F. J. Stone, Mason Bldg., Fresno.

Contract Awarded
STORE
SAN JOSE, Santa Clara County, Calif., Park Ave., near Haglee Ave.
One-story frame store building.
Owner—W. O. Campbell, 1265 Shasta Ave., San Jose.
Architect—Not Given.
Contractor—Dyke Walton, 1217 University Ave., San Jose.

PLANNED
LOS ANGELES, Cal.—The owner of property at 6669-73 Hollywood Blvd., contemplates the erection of a one-story business building on this site. The site is 90x105 feet. Caldwell, Cornwall & Banker, 6636 Hollywood Blvd., owner' agents.

Contract Awarded.
REMODEL STORE Cost, $2000
NAPA, Napa Co., Cal. No. 935 Brown Street.
Remodel Store building (painting, decorating, fixtures, interior equipment, etc.)
Owner—Voorhees & Co., 935 Brown St., Napa.
Plans by Ful Vue Fixture Co.
Contractor—Ful Vue Fixture Co., 75 Oak Grove St., San Francisco.
Electric, Painting and Carpentry—Arnitz Bros. Hardware Co., 1122 Second St., Napa.
Work will be started February 7.

Contract Awarded.
REMODEL STORE Cost, $4000
NAPA, Napa Co., Cal. No. 1043 Main Street.
Remodel interior of store building. (painting, decorating, fixture work interior equipment, etc.)
Owner—Chicago-Emporium, Napa.
Plans by Ful Vue Fixture Co.
Contractor—Ful Vue Fixture Co., 75 Oak Grove St., San Francisco.
Electric, Painting and Carpentry—Arnitz Bros. Hardware Co., 1122 Second St., Napa.
Work will be started on February 10

To Be Done By Day's Work.
ALTER STORE Cost, $1500
SAN FRANCISCO. No. 1138 Mission Street.
Alterations to store building.
Owner—Fred Landau, Premises.
Architect—Not Given.

Sub-Bids Being Taken.
STORES & OFFICES Cost, $15,000
ALBANY, Alameda Co., Cal. Solano Avenue.
One-story frame and stucco store building (3 stores) and one two-story frame and stueco store and office building (3 stores, 4 offices for dentists); tile and composition roof, wood floors, etc.
Owner and Builder—C. M. McGregor, Albany.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Contract Awarded.
ALTER STORE Cost, $2500
OAKLAND, Alameda Co., Cal. No. 1520 Broadway.
Alterations to store building.
Owner—Albert Samuel Co.
Architect—Not Given.
Contractor — George Swanstrom, 1615 78th Ave., Oakland.

Concrete Contract Awarded.
AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 405 W-Santa Clara Street.
One-story reinforced concrete automobile building, 107x250 feet) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin, San Jose
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.
Concrete—Joe Alva, 123 S-Third St., San Jose.
Carpentry—C. A. Thomas, 127 Clayton St., San Jose.
Awards on other portions of the work will be made within a few days. Complete bids published January 18. Type of construction was changed from brick to reinforced concrete.

Reinforcing Steel Contract Awarded.
STORES AND OFFICES Cost, $——
SAN FRANCISCO. Sixteenth St., bet. Mission and Valencia Sts.
Two-story, basement and mezzanine floor Class A steel frame and reinforced concrete stores and offices (2 stores, 14 offices) asphalt and gravel roof, steam heating system, ventilating, electrical work, wood and tile floors, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, Architects and Engineers, Phelan Blag., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco, at $16,955.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
As previously reported, structural steel contract awarded to Western Iron Works, 141 Beale St., at $10,530.
Architect will take bids in two weeks on heating, ventilating, plumbing, electric refrigeration, electric lighting fixtures, interior finish and elevators.

17— THEATRES

PLANS BEING FIGURED.
COMPTON, Los Angeles Co., Cal.—Wm. Allen, 1008 Washington Building, Los Angeles, taking general contract bids for a theater building to be erected at 134 East Compton Blvd., Compton for August Franki; Sunset Theater Co., lessee. The structure will have a seating capacity of 800 and will contain stores and offices. Reinforced conc. construction, composition roofing, concrete floors, structural steel, plate glass, gas heaters, etc. Bids are to be submitted on January 26.

18— WHARVES & DOCKS

BIDS WANTED
SAN FRANCISCO—Until February 1, 2 P. M., bids will be received by State Board of Harbor Commissioners, Ferry Bldg., for repairs to concrete beams and girders under Pier No. 3. Work involves:
(1) 1400 lin. ft. 10½-in. or less in width;
(2) 1000 lin. ft. 11/13-in. do;
(3) 1850 lin. ft. 14/17½-in. do;
(4) 750 lin. ft. 18/21-in. do;

BIDS WANTED
SAN FRANCISCO—Until February 5, 10 A. M., bids will be received by Port Quartermaster, Fort Mason, for furnishing and installing spring pile on north side of Dock No. 4, Fort Mason. Specifications available from above office upon deposit of $5.

19—MISC. CONSTRUCTION

SUB-CONTRACTS AWARDED
HAMILTON FIELD, Marin Co., Cal.—DeLuca & Son, 1745 Filbert St., San Francisco, awarded the following sub-contracts for the construction of the A.C. oil distribution system and oil house at Hamilton Field:
Concrete—Basalt Rock Co., Napa.
Pile Driving — W. P. Proctor, Santa Rosa.
Sheet Metal—Knoles Sheet Metal Wks., Spaulding and Redhill Ave., San Anselmo.
Steel Sash — Detroit Steel Products Co., 111 Sutter St., San Francisco.
Plastering—Charles L. Hoskins, 3050 Gough St., San Francisco.
Miscellaneous Iron and Steel — Fair Manufacturing Co., 617 Bryant St., San Francisco.
Lumber—Roth-Maier, 2800 Third St., San Francisco.
Glass and roofing contracts will be awarded shortly.

BIDS OPENED
SAN FRANCISCO—Edwin Anderson, 209 Post St., at $540 submitted low bid to Department of Public Works for steam cleaning the Stockton St. tunnel, on Stockton street, between Bush and Sacramento Sts. Only other bid was submitted by the American Building Maintenance Co., at $965.
Bids held under advisement.

COMPLETING PLANS
LONG BEACH, Los Angeles Co., Cal.—Architect D. Easton Herrald, 4139 E. 11th St., Long Beach, is completing plans for a stadium to be built on Atlantic Ave., Long Beach, for The Silver City. It will seat 5000 people, covering an area of 344x244 feet, and will be of wood frame construction. Contractor selected.

Contracts Awarded.
ADDITION Cost, $125,000
SEATTLE, Wash. Foot of Massachusetts Street.
Construct twelve large concrete storage bins (100 feet in height) bins to be supported by concrete sapped piling, 60 piles to a bin.
Owner—Carnation Albers Bros. Milling Co., Stuart Bldg., Seattle.
Plans by John S. Metcalf Co., Ltd., (grain elevator designers), Vancouver, B. C.
Contractor—Jones-Hettlesater, Kansas City.
Pile Driving—Manson Constr. & Engr. Co., Canadian National Pier, Seattle, Wash.

BIDS OPENED
LOS ANGELES, Cal.—Frank Graves Sash, Door & Mill Co., Los Angeles, at $2511 submitted low bid to city purchasing agent, for millwork, complete, consisting of courtroom railings,

construction and furnishing of materials for underground garbage can containers. Plans and specifications available from above office.

PLANNED

SAN ANSELMO, Marin Co., Cal.—City of San Anselmo is contemplating the construction of a playground and recreation center in the near future. It is planned to develop city owned property for a recreation center to contain tennis, handball and volley courts, swimming tank, 50x105 feet, dressing and locker rooms, lighting system, filtration plant, etc. Plan of financing was suggested for a $25,000 bond issue and work to be done under the C.W.A.

The city trustees requested that estimates as to costs and maintenance be compiled and submitted to the board ot at later date. W. D. Fusselman, Mayor of San Anselmo.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.—Aqua Systems, Inc., New York City, at $12,103 awarded contract by War Department for the construction of additions to the A. C. gasoline system at Hamilton Field.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 28 for steel frame building with asbestos covered metal roofing and siding and concrete foundation; steam generating plant consisting of two 150-hp. cross-drum, watertube boilers, brick settings and complete oil and water heating and pumping equipment, piping and electrical work; steel stack, and oil storage tank at the Naval Fleet Air Base, Pearl Harbor; Spec. No. 7438:

Industrial Heating & Engrg. Co., 828 Broadway, New York City.

Crane Co., Washington.

A. D. Granger Co., 15 Park Row, New York City.

Virginia Bridge & Iron Co., Roanoke, Virginia.

General Electric Co., Schenectady, New York.

Blake-Palm Elevator Co., Washington.

Diamond Power Specialty Co., 10340 Oakland Ave., Detroit, Mich.

Grinnell Co., Providence, R. I.

Lorne Plumbing & Heating Co., 641 W. Congress St., Detroit, Mich., and Washington.

Combustion Engrg. Co., 200 Madison Ave., New York City.

Westinghouse Elec. & Mfg. Co., Washington.

Babcock & Wilcox Co., Phila.

Foster-Wheeler Corp., 165 Broadway, New York City.

Frank J. Eisinger, 820 President St., Brooklyn, N. Y.

H. H. Robertson Co., Pittsburgh.

Worthington Pump & Machinery Co., Washington.

AWARD.

FT. HUACHUCA, Ariz.—Herbert F. Brown, Tucson, awarded contract by War Department at $14,600 for construction of a motor transport pool at Fort Huachuca.

BIDS OPENED

PORTLAND, Oregon—George Wasle Company, 329 S. W. Oak St., Portland, Oregon, at $28,717 submitted low bid to Engineer's Office, Portland, for the construction of a camp consisting of 36 bunk houses, two bath houses, kitchen and mess hall, meat and supply house, including plumbing, sewer system, gravel streets, street lighting and plank sidewalks in connection with the Bonneville Dam. Following bids received:

Geo. Wasle Co., Portland	$28,717.00
Geo. H. Buckler Co., Portland	30,499.81
Parker-Schram Co., Portland	31,006.50
Hoffman Const. Co., Portland	31,030.50
Allyn & Powers, Portland	31,415.60
Wm. and L. L. Quigley	32,456.00
Shattuck & Neland	32,998.60
Reiners & Jolivette	34,562.00
M. F. White	36,404.69
Guy F. Atkinson Co.	38,867.76
G. F. J. Kurtz	39,164.43
Toller Constr. Co.	39,688.75
H. R. Kibler	39,761.00
Robertson Hay & Wallace	40,909.00

Bidders all of Portland.

BIDS WANTED

SAN FRANCISCO—Until February 1, 2 P. M., bids will be received by U. S. Forest Service, L. M. Barrett, Regional Forester, 85 Second Street, San Francisco, for furnishing 175 ready-cut buildings for various stations in the natoinal forests of California and Nevada, including the following: 13 Ranger Stations, one-story, living-room, two bedrooms, bath and kitchen; 29 Guard Stations, threee rooms; 3 Lookout-Fireman Stations, three-room; 9 Guard Stations; Fore-Crew type; 15 two-room offices; 5 one-room offices; 1 double garage; 51 garage and tool houses (or woodshed); 49 woodsheds with cement floor.

ASK FEDERAL AID.

SANTA BARBARA, Calif.—City of Santa Barbara applied to the Public Works Administration for a loan of $34,170 and a grant of $10,830 for financing the construction of tennis courts, grandstand and restrooms in Santa Barbara.

PLANS COMPLETE.

COMPTON, Los Angeles Co., Cal.—Architects Marsh, Smith and Powell 516 W 5th St., Los Angeles, have completed working drawings for a swimming pool to be constructed in Compton for the city. Construction by the CWA forces is scheduled to start immediately. The pool will be of concrete construction, 105x45 ft. in area. Sketch plans have been completed for filtration and chlorination equipment, and dressing rooms to be erected on the site at a later date.

PLANNED

ONTARIO, San Bernardino Co., Cal.—Ontario City Officials are considering a proposal to apply for government aid in constructing a municipal swimming pool to cost approximately $35,000.

BIDS WANTED.

SEATTLE, Wash.—Bids are being received by Custodian, Seattle, Postoffice for directional signs for the U. S. Postoffice, Seattle, Wash. Date of opening bids not yet set.

BIDS OPENED.

LOS ANGELES, Calif.—As previously reported, Harris Wrecking Co., 2917 La Salle St., Chicago, Ill., at $3,640 submitted low bid to Treasury Department for clearing the site of the U. S. Post Office in Los Angeles. Following bids received:

Harris Wrecking Co., Chicago	$3,640
Goldman Wrecking Co., Chicago	4,165
Los Angeles Wrecking Co., Los Angeles	4,437
Stern Wrecking Co., Huntington Park	4,743
Cleveland Wrecking Co., Cincinnati, Ohio	6,136
Contracting Engineers, Inc., Los Angeles	9,200

PROSPECTIVE BIDDERS

BOISE, Idaho—Following have procured plans for the purpose of submitting bids to the Veterans' Administration on February 6, for the construction of an incinerator and incinerator house at Boise, Idaho, are as follows: Schutte Koerting, 12th and Thompson Sts., Philadelphia, Pa.; Campbell Building Co., Newhouse Bldg., Salt Lake City; Frank P. Kloepfer, 1214 N. 15th St., Boise; Rau Constr. Co., 2109 Harrison St., Kansas City, Mo.; J. O. Jordan & Son, 1820 N. 8th St., Boise; Economy Incinerator Co., 1821 N. Fahwell Ave., Milwaukee, Wis.

PLANNED

COACHELLA, Riverside Co., Cal.—Imperial Mill & Ginning Company's plant at Coachella, which was destroyed by fire last week, will be rebuilt and construction is scheduled to get under way about March 1. The building and machinery destroyed represented an investment of approximately $30,000 and the new gin will be about the same size and capacity.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED.

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Los Angeles City Purchasing Agent, for furnishing Water and Power Department with Portland cement, under Spec. No. 3291:

(1) 30 car loads of 300 net bbls. per car f.o.b. various points; no requirements prior to January 18;

(2) 10,800 sacks, truck load deliveries, f.o.b. delivered in Zones 1, 12, 13, 14, 15, 16 and 20 and for f.o.b. department's trucks at contractors' warehouse; no requirements prior to January 24;

(3) 6,000 sacks f.o.b. delivered in Zone 2 and for f.o.b. department's trucks at contractors' warehouse; truck load deliveries.

ITEM I

Identical bids were submitted on Item 1 by the following firms: Blue Diamond Co., California Portland Cement Co., Riverside Cement Co., Monolith Portland Cement Co. and Southwestern Portland Cement Co.

The bids, showing prices per net barrel, were as follows:

Laws, Elna, Aberdeen, Benton and Zurich, $2.88; Kearsarge and Mazanar, $2.91; Owenyo, $2.75; Lone Pine, Diaz, Monachee, Cartago, Olancha, Loco, Haiwee, Talus, Cose, Little Lake and Narka, $2.66; Brown, $2.58; Searles, $2.29; Cinco, $2.22; Mojave, Tehachapi and Monolith, $2.10; Fleta, Rosamond, Lancaster, Palmdale, Saugus and Newhall, $2.14; San Fernando, Roscoe, Burbank, Glendale, Los Angeles, Zelzah, Reseda, Van Nuys, Canoga Park, Wilmington and San Pedro, $2.10. Terms 10c bbl.; 15 days.

ITEMS II AND III

Identical bids of $.625 per net sack, with one exception noted below, were submitted on Items (2) and (3) for furnishing cement in truck load lots in various zones and at bidders' warehouses. The bidders were:

Blue Diamond Co., Consolidated Rock Products Co., Kerckhoff-Cuzner Mill & Lumber Co., Patten-Blinn Lbr. Co., Graham Bros. (affidavit in error), Oro Grande Lime & Stone Co., Security Material Co. (exception bid $.635 on deliveries in Zone 14), Service Material Co., Los Angeles Lime Co., Hammond Lumber Co., San Pedro Building Supply Co. (bid on item 3 only) and Edward Sidebotham and Son, inc. (bid on item 3 only). All terms items (2) and (3) 5c per sack, 10th prox. Minimum truck load, 40 sacks. Cartage charge for less than minimum, $1.00.

BIDS OPENED.

BEVERLY HILLS, Los Angeles Co. Cal.—The following identical bids at $696.30 were submitted to the Beverly Hills city council January 16 for

judges benches with witness dock, doors with jambs, stops, casings, back moulds and plinths, picture moulds, base moulds and shoe for court room and adjoining rooms on 21st floor of Los Angeles City Hall in accordance with plans on file in the office of Bureua of Construction, Room M-76, City Hall. Following bids received:

Frank Graves Sash, Door & Mill Company	$2511
H. A. Nichols	2917
Commercial Fixture Co.	2940
Standard Cabinet Works, Inc.	2950
Patten-Elinn Lumber Co.	3239
Pacific Mfg. Co.	3239
Wheat Cabinet & Fixture Co.	3239
Hammon Lumber Co.	3239
A. K. Koll Planing Mill	3427
California Hardwood Lumber Co.	6219

BIDS OPENED.

SAN FRANCISCO.—The Pacific Lumber Co., 100 Bush St., at $31,-779.23 submitted low bid to T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing heart redwood lumber for the San Francisco Water Department, under Invitation Bid No. 1145.

The Charles Nelson Co., San Francisco, submitted second low bid at $32,273.11; third, Dolbeer & Carson Lumber Co., San Francisco, at $32,-766.94.

BIDS REJECTED

LOS ANGELES, Cal.—The Water & Power Commission has authorized A. J. Holm, Los Angeles City Purchasing Agent, to reject all bids received January 15, for furnishing 12,-500 bbls. Portland cement, under Spec. No. 3283.

Complete bids published Jan. 17.

CONTRACT AWARDED.

SAN FRANCISCO.—Gamerston and Green, 112 Market St., at $26,250.00 awarded contract by T. A. Brooks, Purchaser of Supplies, for furnishing 30,000 redwood ties (at the mill) for Hetch Hetchy Project, under Invitation Bid No. 1139.

Complete bids published Jan. 13.

BIDS OPENED

WASHINGTON, D. C.—Following bids received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., January 12, for fuel oil:

(1) 5000 bbls bunker fuel oil, "B"; for Seattle:

Associated Oil Co., San Francisco, $1.10 and $1.60.

General Petroleum Corp. of Calif., Los Angeles, $1.50, Seattle.

Standard Oil Co. of Calif., San Francisco, $1.60.

Received for Sunset Pacific Oil Co., Los Angeles. $1.575.

Union Oil Co. of Calif., Los Angeles. $1.60.

(2) 1500 bls. bunker fuel oil, "B"; for Seattle:

Associated Oil Co., San Francisco. $1.30 and $1.80.

General Petroleum Corp. of Calif., Los Angeles, $1.80, Seattle.

Standard Oil Co. of Calif., San Francisco, $1.80.

Received for Sunset Pacific Oil Co., Los Angeles, $1.715.

Union Oil Co. of Calif., Los Angeles, $1.60.

(3) 8000 bls. bunker fuel oil. "B", for Portland:

Associated Oil Co., San Francisco. $1.10 and $1.60.

General Petroleum Corp. of Calif., Los Angeles, $1.60. Portland.

Shell Oil Co., San Francisco, market price to $1.60.

Standard Oil Co. of Calif., San Francisco. $1.60.

Received for Sunset Pacific Oil Co., Los Angeles, $1.575.

Union Oil Co. of Calif., Los Angeles. $1.60.

AWARD

LOS ANGELES, Cal.—H. H. Walker Inc., at $1423.15 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, January 19, for furnishing pole line fittings under Bid No. 19518. The other bids were:

Joslyn Co. of California, $1430.41.

Myers Electric Supply Co., $1436.48.

General Electric Supply Corp., $1,-436.63.

Graybar Electric Co., Inc., $1436.76.

Quality Elec. Co., Ltd. (partial bid), $4.44.

CONTRACT AWARDED

ONTARIO, Oregon — Portland Cement Co., Portland, at $72,000 awarded contract by the Bureau of Reclamation, Denver, Colo., for furnishing 30,-000 bbls. cement f.o.b. Lime, Oregon, for the Owyhee Project, under Pro. 5701-A. Bids were opened November 28, 1933.

BIDS OPENED.

LOS ANGELES, Cal.—Doyle Tractor Co., Porterville, at $125 a month and $200 for transportation for the rental of equipment, submitted only bid to the U. S. Forest Service, Jan. 22, for use at Williams Canyon C. C. Camp, approx. five miles from Claremont. Bid No. DPM 53.

BIDS OPENED.

HAMILTON FIELD, Marin Co., Cal. —Basalt Rock Co., Inc., 900 8th St., Napa, at $6.55 per cubic yard submitted low bid to the Constructing Quartermaster, Hamilton Field, San Rafael, for furnishing 130 cubic yards of concrete for Hamilton Field.

Bay Concrete Co., San Francisco, only other bidder, submitted bid at $8.50 per cubic yard.

CONTRACT AWARDED.

LOS ANGELES, Cal.—The Petrol Corp., 4020 Bandini, Los Angeles, at $1425 awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District Jan. 19, for furnishing gasoline under Bid No. 19,-539. The other bids were:

Gilmore Oil Co., $1475.

Rio Grande Oil Co., $1625.

Union Oil Co. of Calif., General Petroleum Corp of Calif., Richfield Oil Co. of Calif., (Wm. C. McDuffie, receiver), Shell Oil Co., Standard Oil Co. of Calif., and Associated Oil Co.,

BIDS OPENED

VALLEJO, Cal.—J. E. Johnston, E and Weber Sts., Stockton, at $9950.50 submitted low bid to the Vallejo City Council for repaving with asphalt concrete between existing gutters on Fourth St., from Lemon St. to Cherry St., involving 28 ft. by 1200 ft. by 6 in. asphalt concrete. Complete bids follow:

J. E. Johnston, Stockton	$ 9,950.50
Biasotti, Willard & Biasotti, Stockton	11,150.25
M. J. Devanda, Stockton	11,465.25

All bids referred to the City Engineer, T. D. Kilkenny, for recommendation to the City Council January 25, 10. A. M.

AWARD.

MARCH FIELD, Riverside Co., Cal. —Worley & Company, Pico, have been awarded a contract by the War Department at $553 for furnishing and installing shelving in dressing rooms at the War Department theater, March Field.

CONTRACT AWARDED

LOS ANGELES, Cal.—E. K. Wood Lumber Co., at $3675 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, January 18, for furnishing ties under Lot 2, Bid No. 19210. Lots 1, 3 and 4 were rejected.

Other bids were: Hammond Lumber Co., $3875; Public Mill & Lumber Co., $3858.76 The Chas. Nelson Co., $4042.50; Consolidated Lumber Co., $4312.50; W. E. Cooper Lumber Co., $4410; Lounsberry & Harris, $4410; C. Ganahl Lumber Co., $4410; Whiting-Mead Co., $4757.34; Thompson Lumber & Piling Co., $4777.50; Globe Lumber Co., $4777.50; Hudson-Bonney Lumber Co., $4961.25; Sullivan Lumber Co., $4961.25; J. H. Chambers & Son, $5328.75.

BIDS OPENED.

SAN FRANCISCO.—The following submitted identical bids at $1022.59 (f.o.b. Sunol, Calif., price to be exclusive of state sales tax) to T. T. Brooks, Purchaser of Supplies, San Francisco, for furnishing select structural redwood for San Francisco Water Department, under Invitation Bid No. 1142:

Allen and Dettmann Lumber Co., Smith Lumber Co., E. K. Wood Lumber Co., Chas. Nelson Co., Union Lbr. Co., Christensen Lumber Co., Roth-Maier Lumber Co., Gamerston and Green, Loop Lumber Co., and Hammond Lumber Co.

BIDS OPENED

SAN FRANCISCO—Kelly Pipe Co., 525 N. Mission Road, Los Angeles, at $6644 submitted high bid to T. A. Brooks, Purchaser of Supplies, City Hall, for the purchase of 44,000 ft. of pipe, f.o.b. Sunol, Calif. Complete bids follow:

Kelly Pipe Co., Los Angeles(1) per ft. $.151; (2) total, $6644.

H. E. Botsford, San Franciscbo (1) .15; (2) $6600.

Pioneer Pipe Co., San Francisco, (1) .1215; (2) $5786.

C. Krieger, San Francisco, (1) .1125; (2) $4950.

Tieslau Bros., Berkeley, (1) .066; (2) $2904.

CONTRACT AWARDED

GLENDALE, Cal.—Newton Electric Co., Glendale, at $82.013.28 awarded contract by the Glendale City Council January 18, for furnishing tubular steel poles f.o.b. Glesndale, under Spec. No. 169.

AWARD

LOS ANGELES, Cal.—American Concrete & Steel Pipe Co., 4735 Firestone Blvd., South Gate, at $1200 awarded contract by A. J. Holm, Los Angeles City Purchasing Agent, for furnishing 160 lin. ft. 42-in. I. D. centrifugally cast reinforced concrete pipe in 8-ft. lengths under Bid No. 2206.

CONTRACT AWARDED.

SAN FRANCISCO.—Following were awarded contracts by the Purchasing Department for furnishing paints, painters' supplies and glass for various departments under Bid No. 1111:

Western Hardwood Floor Co., Excelsior Chemical Co., W. P. Fuller & Co., Cobbledick Kibbe Glass Co., Dan P. Maher Paint Co., National Lead Co., Mathews Paint Co., National Adhesive Corp., General Paint Corp., The Sherwin - Williams Co., Murphy Varnish Co., D. H .Rhodes & Co.

BIDS REJECTED.

MENDOCINO COUNTY, Cal.—Mendocino County Board of Supervisors has rejected bids received for furnishing fuel oil for Mendocino County buildings for the year 1934 and has directed the Purchasing Agent to buy in the open market. Identical bids at $.055 per gallon were received from Pioneer Oil & Burner Co. and La-Porte Oil & Burner Co.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. FOREST SERVICE

SAN FRANCISCO.—Until Jan. 29, 2 P. M., bids will be received by the U. S. Forest Service, 85 Second St., for furnishing garage door hardware for 116 or more doors. Specifications obtainable fom the above office.

GOVERNMENT ISLAND, Cal.—Until Jan. 29, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing:

(1) 54 each gasoline pumps, 5-gallon, hand-operated, together with double foot valve, or visible 10-gal. type with return drain, complete;
(2) 280-gallon, standard, gasoline underground galv. steel tanks, 12-gauge complete.

U. S. INDIAN SERVICE

KLAMATH AGENCY, Ore. — Until January 29, 2 P. M., bids will be received by the Superintendent, Klamath Indian Agency, Klamath Agency, Oregon, for furnishing various telephone construction supplies, as follows:

(1) 750 poles;
(2) 18,000 copper wires;
(3) various small items of telephone construction hardware.

Specifications obtainable from above office and on file at the office of Superintendent H. W. Camp, Warehouse for Indian Supplies, 23 Appraisers' Bldg., San Francisco.

LOS ANGELES COUNTY

LOS ANGELES COUNTY, Cal.—At 10 A. M., February 5, the Los Angeles County Supervisors will sell at public auction 265 items of old equipment of the Flood Control District. Further details may be had upon application to the office of County Flood Control Engineer, 602 Civic Center Bldg., Los Angeles.

SISKIYOU COUNTY

SISKIYOU COUNTY, Calif.—Board of Supervisors of Siskiyou County, Yreka, has authorized Supervisor Chas. Farrington to purchase a new caterpillar and bulldozer for work on the Salmon Mountain and other road jobs in the district where such equipment is needed.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until January 30, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing structural steel I-beam ribs, splice plates and base plates for tunnel support, complete with bolts and nuts, involving:

(1) 120 tons 6-in. 12½ lb. I-beams. Dist. Specifications No. M-2022. Bid No. 19,806.

F. E. Weymouth, General Manager and Chief Engineer.

LOS ANGELES, Cal.—Until January 31, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, Room 504, 306 W Third St., Los Angeles, for furnishing under Bid No. 19867:

LOT II (Alt. to Lot I)—100,000 2x4x 12-in. No. 2 common Ro. D. F. mining wedges. Delivery at f.o.b. point five days from date of order. Wedges to taper from 2-in. to nothing; f.o.b. cars at mill.

FORT MacARTHUR

FORT MacArthur, Cal.—Until 11 A. M., Feb. 5, bids will be received by F. I. Maslin, Captain, Q. M. Corps, Purchasing and Contracting Officer, Fort MacArthur, San Pedro, for furnishing all labor and material and work for laying 294 sq. yds. of oak flooring in Quarters Nos. 7-a, 7-b, 10-a and 10-b. Bids will be received as follows:

(1) to furnish all material & equipment and perform all necessary labor to lay the oak flooring as specified above, leaving the building in a completed condition;

(2) unit prices. The contractor shall submit under this item the unit price per sq. yd., which shall be used as the basis for making deductions from or additions to the contract price, providing that any deviations from the amount of work indicated is required. These prices shall include the furnishing of all labor and material complete in place, except as otherwise noted.

(a) ¾-in oak flooring, per sq. yd.

NAVY DEPARTMENT

WASHINGTON, D. C.—Until Feb. 8, bids will be received by the Chief of the Bureau of Yards and Docks, Navy Department, Washington, D. C., as follows:

(1) 2 horizontal 2-stage motor-driven air compressors for the Naval Fleet Air Base and Navy Yard, Pearl Harbor, T. H.
(2) 1 horizontal 2-stage motor-driven compressor for the Navy Yard, Mare Island.

Specifications obtainable from the above office upon deposit of $10. Spec. No. 7571.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for machinery and equipment as follows:

TRAILERS, 4-wheel; 2 or 3; Keyport, Wash. Sch. 1572; Jan. 30.
MACHINE, motor-driven bolt threading; Mare Island. Sch. 1573; Jan. 30.
MACHINE, motor-driven metal cutting; Mountain View. Sch. 1574; Jan. 30.
THERMOMETERS, industrial; Puget Sound. Sch. 1590; Jan. 30.
LATHES, motor-driven turret; 2; Puget Sound. Sch. 1586; Feb. 6.
CHAIRS, aluminum; East and West Yards. Sch. 1588; Feb. 6.
RANGES, oil-burning; 3; Mare Island. Sch. 1577; Feb. 6.
LATHE, motor-driven tool-makers' precision; San Diego. Sch. 1591; Feb. 6.
TRUCK, motor; East or West Yards. Sch. 1594; Feb. 6.
MACHINE, Motor-driven pipe threading and cutting; Mare Island. Sch. 1519; Feb. 6.
MACHINE, stencil-cutting; 1, San Diego; 7, Mare Island. Sch. 1612; Feb. 6.
GUNS, lubricating; 75; Mare Island. Sch. 1608; Feb. 6.
MACHINES, vegetable cubing and slicing; 15; Mare Island. Sch. 1601 Feb. 13.
FURNITURE, as required during the period ending Nov. 30; for all yards. Sch. 1554; Feb. 13.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials as follows:

CABLE, submarine armored; 2400 ft.; East or West Yard. Sch. 1564; Jan. 30.
CORD, electric; East and West Yards. Sch. 1580; Jan. 30.
AXES, hammers, hatchets and sledges; East and West Yards. Sch. 1570; Jan. 30.
HOOKS, snap-bolt; 7500; Mare Island. Sch. 1571; Feb. 6.
CRUCIBLES, without covers; East and West Yards. Sch. 1584; Feb. 6.

SAN FRANCISCO—Bids will be received by the Purchasing Officer, 12th Naval District, 100 Harrison Street, San Francisco, as follows:

GRINDER, tool, motor-driven, two. Machine Shop 31, Sch. 359, Jan. 30.
CABLE, brush holder flexible, rubber insulated, 17,500 ft., Sch. 341, Jan. 30.
CABLE, telephone, 3000 ft., NSA., Sch. 370, Jan. 30.
LUMBER, softwood, rough, 65,000 ft., N.S.A. Stock, Sch. 669, Jan. 31.
PUMP, two salt water centrifugal, 7000 G.P.M., 50 ft. head, electric drive Central Power Plant, Sch. 150, Jan. 31.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until January 31, 10:30 A. M., bids will be received by the General Purchasing Officer, A. L. Flint, The Panama Canal Washington, D. C., under Schedule No. 2935 for furnishing miscellaneous supplies and materials including concrete-reinforcement bars, structural steel shapes, and Accoustical material (tile shape, for wall and ceiling installation).

Specifications obtainable from above office and on file at the office of the DAILY PACIFIC BUILDER.

PANAMA CANAL ZONE—Until Feb. 2, 10:30 A. M., bids will be received by th General Purchasing Officer, A. L. Flint, The Panama Canal, Washington, D. C., under Schedule No. 2934 for furnishing:

(1) 1,000,000 gals. Gasoline, U. S. Govt. Motor Grade in bulk (approximately 650,000 gals. to be delivered at Balboa; and 350,000 gals. at Cristobal, C. Z.
(2) 200,000 gals. Ethyl gasoline, to be delivered at Balboa, C. Z.
(3) 500 000 gals. Kerosene, in bulk (300,000 gals. to be delivered at Balboa; and 200,000 gals. to be delivered at Cristobal, C. Z.

Specifications obtainable from above office, and on file at the office of the DAILY PACIFIC BUILDER .

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD.

LOS ANGELES COUNTY, Cal.—Byerts & Dunn, 7908 Santa Monica Blvd. Los Angeles, at $4678.50 awarded the contract by State Director of Public Works Earl Lee Kelly, Sacramento, for demolishing the old bridge and constructing a new timber pile trestle across Alhambra Wash in Los Angeles County, Route No. 26-A.

AWARD.

POLK COUNTY, Ore. — Settergren Bros., Portland, at $3,433 awarded the contract by the Oregon State Highway Commission, Portland, for constructing a bridge over Gooseneck Creek on the Dallas-Coast Secondary Highway at Buell, Proj. NRS 215-B, in Polk County.

Complete bids follow:

Settergren Bros., Portland	$3,433
W. W. McFarland	3,487
Chas. H. Leonard	3,529
J. F. Johnston	3,573
E. W. McCall	3,596
Johnson & Pierce	3,724

R. H. Baldock, state highway engineer.

AWARD.

YAMHILL COUNTY, Ore. — Shattuck & Neland, Portland, at $17,312.00 awarded contract by the Oregon State Highway Commission, Portland, for constructing a bridge over the Chehalem river, Project NRS 219-B, in Yamhill County.

Complete bids follow:

Shattuck & Neland	$17,312
A. T. Dolan	17,444
J. F. Johnston	17,781
Northwest Roads	18,944
Parker - Schram	19,170
Gregorie & McNaught	19,177
Settergren Bros.	19,346
J. J. Badraun	19,648
Averill & Philpot	19,616
Berkemeier & Saremal	20,731

R. H. Baldock, state highway engineer.

AWARD.

CLATSOP COUNTY, Ore.—Averhill & Phiplot, Portland, (second low bidder) at $10,475 awarded contract by Oregon State Highway Commission, Portland, for constructing two bridges over Klaskanie River near Astoria, Project No. NRS 213-B, in Clatsop Co.

Joseph Anderson, low bidder, at $10-364 refused to take more than one contract at opening.

Complete bids follow:

Joseph Anderson	$10,364
Averhill & Philpot	10,475
A. T. Dolan	11,498
Feigenson Const. Co.	11,878
Johnson, Hanse, Johnson	14,025
Gilpin Const. Co.	15,135

R. H. Baldock, state highway engineer.

BIDS OPENED.

COOS COUNTY, Ore.—J. W. & J. R. Hillstrom, Marshfield, at $89,894 submitted low bid to the Oregon State Highway Commission, Portland, Jan. 18 for construction of a bridge over South Slough near North Bend on Cape Arago Secondary Highway. The other bids were:

Kuckenberg - Whittman	$ 93,310
Portland Bridge Co.	93,816
Gilpin Const. Co.	95,822
Parker - Schram	97,077
Feigenson Const. Co.	98,043
F. J. Kernan	100,547
Berkemeier & Saremal	105,969
F. C. Dillard	110,097

All bids held under advisement.

BIDS OPENED.

MARION COUNTY, Oregon—Joseph Anderson, 3132 69th St. NE., Portland at $17,750 submitted low bid to the Oregon State Highway Commission, Portland, for constructing bridge over Mill Creek on Beaverton - Aurora Secondary Highway. Bids were opened January 18. The other bids follow:

Theo. Arenz	$18,870
Settergren Bros.	18,876
Parker - Schram	19,710
Northwest Roads	20,160
Gregorie & McNaught	20,410
Berkemeier & Saremal	22,859

All bids held under advisement.

CONTRACT AWARDED

LINN COUNTY, Oregon—J. J. Bacraun, Portland. Ore., at $33,206.50 awarded contract by the Oregon State Highway Commission, Portland, for construction of bridge over Calapooya River near Holley on the Halsey-Sweet Home Secondary Highway, Project NRS 230. Complete bids follow:

J. J. Bacraun, Portland	$33,206.50
Mountain States Constr. Co., Eugene	33,372.50
Thoe. Arenz, Portland	35,642.50
Birkemeier & Saremal, Port.	36,259.00
C. J. Montag, Portland	36,649.00
Feigenson Constr. Co., Port.	37,714.00

R. H. Baldock, State Highway Engineer.

BIDS WANTED.

SAN JOAQUIN COUNTY, Calif.—Until February 13, 11 A. M., bids will be received by the San Joaquin County Board of Supervisors, County Courthouse, Stockton, for repairs to the following bridges:

Jacobs No. 1 bridge over the San Joaquin river on the Borden Highway about two miles west of Stockton; King Island bridge over Bishop Canal on the King Island road, and about 12 miles northwest of Stockton; Grant Line bridge over the Grant Line canal on the Tracy Island road and about six miles north of Tracy.

The work involves:

(1) 10,900 lin. ft. treated piles;
(2) 7,200 lin. ft. untreated piles;
(3) 9,184 FBM treated timber;
(4) 5,416 FBM untreated timber.

Estimated cost, $21,000. Plans and specifications obtainable from County Surveyor Julius B. Manthey, County Courthouse, Stockton, without charge.

AWARD.

ALAMEDA COUNTY, Cal.—Central Electric Co., 179 Minna St., San Francisco, at $54,900 awarded contract by the Alameda County Board of Supervisors, Alameda County Court House, Oakland, for furnishing and installing electric equipment complete for the Park Street Bridge, Oakland.

Complete bids follow:

Central Elec. Co., S. F.	$54,900
Alta Elec. & Mech. Co., S. F.	57,806
NePage-McKenny Co., S. F.	59,787
Victor Lemoge, S. F.	60,654
T. L. Rosenberg Co., Oakland	67,474
Severin Elec. Co., S. F.	71,800
H. S. Tittle Co., S. F.	73,300

CONTRACT AWARDED

LOS ANGELES CO., Cal.—J. R. Lippincott, 543 Petroleum Securities Bldg., Los Angeles, at $16,886 awarded contract by the State Highway Commission, Sacramento, for the construction of an extension to the existing bridge, about 1 mile east of Los Angeles, consisting of one 39-ft. 6-in. reinforced concrete girder span on concrete piers.

CONTRACT AWARDED.

MARICOPA COUNTY, Ariz.—William Peper, Phoenix, at $2,836.33 was awarded contract by Arizona State Highway Commission, Phoenix, for erecting a timber pile and steel girder bridge located about one mile SE of Wickenburg. The state will furnished, Wm. Peper submitted only bid.

AWARDS.

LOS ANGELES COUNTY, Calif.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, has been awarded a contract by the Santa Fe Railway to drive sheet steel piling on the west side of pier supporting bridge A-140 across the Los Angeles river, near North Broadway.

The same company has also been awarded a contract by the Santa Fe to drive sheet steel piling around two piers supporting bridge A-139 across the Arroyo Seco near Pasadena Ave. The owner will furnish the piling and will handle the work of pouring concrete in the bulkheads. Work has been started.

BIDS WANTED.

SAN JOAQUIN COUNTY, Calif.—Until February 5, 11 A. M., bids will be received by the San Joaquin County Supervisors, County Courthouse, Stockton, for the construction of a concrete bridge over Kettleman Lane, three miles southwest of Lockeford, involving:

(1) 113.40 cu. yds. concrete;
(2) 1,033 tons structural steel;
(3) 2.79 tons reinforcing steel.

Estimated cost, $3,000. Plans and specifications obtainable from County Surveyor Julius B. Manthey, County Courthouse, Stockton, without charge.

CONTRACT AWARDED

LOS ANGELES, COUNTY, Cal.—Byerts & Dunn, 7908 Santa Monica Blvd., Los Angeles, at $26,313 awarded contract by the State Highway Com-

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

ssion, Sacramento, for construction a reinforced concrete girder bridge State Street across Ramona Blvd., the City of Los Angeles.

2—DREDGING HARBOR WORKS EXCAVATION

UNDS ALLOTTED.

OLYMPIA, Wash. — Federal Public orks Administration has allotted 2,000 to the Corps of Engineers, War partment, for improvements at ympia Harbor.

The plans contemplate a deepening the harbor from Budd Inlet thru e turning basin to provide a chan- l 30 ft. deep and 300 ft. wide.

IDS WANTED

COOS BAY, Oregon—Until January , 3 P. M., bids will be received by e U. S. Engineer Office, 306 Custom- ouse, Portland, under Bid No. 34- 3. for dredging approximately 340,- 0 cu. yds. of material from the chan- l in Coos Bay and Isthmus Slough, egon, between the S. P. R. R. bridge d the upstream end of Coos Bay umber Co. wharf.

Drawings and specifications obtain- le from above without charge or eposit.

UB-CONTRACT AWARDED.

PEARL HARBOR, T. H.—Hawaiian redging Co., Honolulu, has award- l a sub-contract to H. W. Baxter Co. for furnishing 5,500,000 feet of ling to be used in building exten- ons to piers at the United States avy base at Pearl Harbor.

IDS WANTED.

SEATTLE, Wash.—Until Jan. 30, A. M., bids will be received by W. . Gaines, Purchasing Agent, 511 ounty-City Bldg., Seattle, for the llowing items to be used in con- ruction of the Railroad Ave. Proj- ct:

) 1,164 tons steel sheet piling and structural steel;
) 245,000 lin. ft. timber piling;
) 1,200,000 MFBM lumber.

Total estimated quantities of prin- pal materials to be used by the ity in the Railroad Avenue Project hich is being done by force ac- ount, are:

) 245,000 cu. yds. embankment;
) 3,561 tons steel sheet piling;
) 403,000 lin. ft. timber piling;
) 2,288 MFBM lumber;
) 1,754 tons reinf. steel;
) 15,090 cu. yds. concrete;
) 40,640 sq. yds. 9-in. conc. paving;
) 9,740 lin. ft. c. i. water mains;
) 6,200 lin. ft. pipe sewers.

The estimated cost of the Railroad venue Project is $1,396,000, divided s follows:

) Labor, $550,300.00.
) Materials, $525,300.00.
) Equipment, purchased, $48,100.00.
) Equipment, rental, $77,000.00.
) Industrial insurance and medical aid, $55,000.00.
) Superintendence, $49,000.00.
) Clerical and accounting, $12,000.
) General expenses, $4,300.
) Engineering, $75,000.

23— IRRIGATION PROJ.

AWARD

TETON COUNTY, Montana—Mor- ison-Knudsen Co., Boise, Idaho, at 72,105 awarded contract by the Bu- reau of Reclamation, Fairfield, Mon- ana, for construction of earthwork nd structures for open drains, Green- ields Division, Sun River Project, Montana. Spec. 556.

24—STREET LIGHTING SYSTEM

AWARD.

LOS ANGELES, Cal.—W. H. Rumble, 6507 Haas Ave., Los Angeles, at $47,996 awarded contract by the Los Angeles Board of Public Works for the construction of an ornamental lighting system in Olympic Blvd. between Rimpau and Robertson Blvds., under cash contract.

25—MACHINERY AND EQUIPMENT

PLANNED.

RIVERSIDE COUNTY, Calif.—Riverside County Supervisors have authorized W. L. Carlson, County Purchasing Agent, to procure estimates of the cost of installing a Delco or Diesel system generating plant, to supply electrical energy to serve the county hospitals.

CONTRACT AWARDED

DENVER, Colo—Crane-O'Fallon Co., at $417.97 awarded contract by Bureau of Reclamation, Denver, for furnishing a centrifugal pump under Pro. 20012-A, for the Denver Laboratory of the Bureau of Reclamation.

BIDS OPENED

WASHINGTON, D. C. — Following bids received by the Department of the Interior, Washington, D. C., Jan. 16 for furnishing 2 draglines and 1 shovel excavator:

Hanson Cluth & Machinery Co., Tiffin, Ohio, item (1) $7565.96; (2a) $7,-509.05; (2b) $8554.77; 2% after freight.

Insley Co., Indianapolis, (1) $7897; (2) $7933; (2a) $8961; discount 2%.

Universal Crane Co., Lorain, Ohio, (1) $7660.35; (2) $7565.67; (2a) $8,-609.44; less $100 for alt. cab, less $122.50 each for 16-in. treads.

Byers Machinery Co., Ravenna, Ohio, (1) $7966.26; (2) $7994.97; (2a) $9,-033.65; 2%.

Speeder Machinery Corp., Cedar Rapids, Iowa, discount 2% factory price, 1) $7727.77; (2) $7769.68; (a2) $8813.70; less $196.33 from items 2 and 2a if shipped together; less $150 each for Fairbanks lighting plant.

General Excavator Co., Marion, Ohio, (1) $7728.77, discount $149.90; (2) $7769.68, discount $142.90; (3) $8,-813.70, discount $162.50; less $150 each for Fairbanks-Morse lighting plant.

Harnischfeger Sales Corp., Milwaukee, (1) $7585.87; (2) $7522.07; (2a) $8541.15.

Industrial Brown Hoist Co., Bay City, Mich., (1) $7336; (2) $7380; (2a) $7773; 2%.

Bucyrus-Erie Co., So. Milwaukee, Wis., (1) $7971, discount $147.10; (2) $7999, discount $147.10; (2a) $9039, discount $167.10.

Bay Clay Shovels, Bay City, Mich., (1) $7596.89, alt. $7532.21; (2) $7,-533.09, alt. $7468.41; (2a) $8566.87, alt. $8502.19.

Orton Crane & Shovel Co., Chicago, (1) $7000, alt. 8060, f.o.b. Wapato, Wash.; (2) 7000, alt. $8060, f.o.b. Schurz, Nevada; 2a) $7900, alt. $9326, f.o.b. Schurz, Nevada; 2%.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Consolidated Steel Corp., Ltd., at $6960 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, Jan. 22 for furnishing pressure tanks under Bid No. 19112.

Other bids were: Lacy Mfg. Co., $6500; Southwest Welding & Mfg. Co., $7709; Western Pipe & Steel Co. of California, $7740.

SAN BERNARDINO, Calif. — U. S. Forest Service, San Bernardino, awarded contracts to the following for furnishing air compressor equipment on a monthly rental basis:

Western Machinery Co., San Francisco, one 120 cu. ft. capacity portable compressor at $79.00 per month.

Western Machinery Co., San Francisco, one 220 cu. ft. capacity compressor at $132.00 per month.

Western Machinery Co., San Francisco, three air hammers at $25 each per month.

CONTRACTS AWARDED.

SAN BERNARDINO, Calif. — U. S. Forest Service, San Bernardino, awarded contracts to the following for the rental of tractors on monthly basis:

George Herz & Co., San Bernardino one "60" Caterpillar tractor at $280 per month.

Hulse-Anderson Co., El Centro, one "60" Caterpillar tractor at $325 per month.

BIDS OPENED

WASHINGTON, D. C.—Following bids received by the Bureau of Supplies and Accounts, Washington, D. C., January 16, for miscellaneous equipment:

Sch. 1515; Mare Island—34 valve-reseating outfits:

Levitt Machinery Co., Orange, Mass.; 5%; $5360.

Sc . 1516; Lot 297; Mare Island and Puget Sound—17 electric grinders:

Austin-Hastings Co., Cambridge, Mass. $1700.

Baldor Electric Co., St. Louis; 1%; $1292.34.

Cincinnati Electric Tool Co., Cincinnati; 2%; $1501.10.

James Clark Jr. Electric Co., Louisville, Ky.; 1%; $2295.

Montgomery & Co., New York City; 2%; $1831.

National Acme Co., Cleveland; $5015.

Pratt & Whitney Co., Hartford; $2006.

Schauer Machinery Co., Cincinnati; $1734.

Standard Elec. Tool Co., Cincinnati; 2%; $2111.40.

U. S. Elec. Tool Co., Cincinnati; 2%; $2006.

BIDS OPENED.

WASHINGTON, D. C. — Following bids received by the Bureau of Supplies and Accounts, Navy Department Washington, D. C., January 16, for miscellaneous equipment:

Schedule 1516; Lot 298; Mare Island—Four Electric Grinders

Cincinnati Electric Tool Co., Cincinnati; 2%; $58.15.

James Clark, Jr., Elec. Co., Louisville, Ky.; 1%; $75.

Dunmore Co., Racine, Wis.; $100.

Hisey-Wolf Mach. Co., Cincinnati; 2%; $71.52.

Montgomery & Co., New York City, 2%; $84.

National Acme Co., Cleveland; $295.

Pratt & Whitney Co., Hartford, Conn., $85.

Schauer Machine Co., Cincinnati, $75.

Standard Electric Tool Co., Cincinnati; 2%; $76.40.

U. S. Electric Tool Co., Cincinnati; 2%; $85.

Schedule 1532, Mare Island—Motor-Driven Wood-turning Lathe

Eby Machinery Co., San Francisco; $485.

J. A. Fay & Egan Co., Cincinnati, $535.68.

Hall & Brown Wood Working Machine Co., St. Louis, $442.96.

Kemp Machinery Co., Baltimore; 2%; $457.

Oliver Machinery Co., New York City, $544.75.

L. Power & Co., Philadelphia; 2%; $580.

Richards & Hirschfeld, Inc., New York City, 2%; $414.90.

F. L. Seyfert's Sons, Inc., Philadelphia; $518.50.

Yates - American Machine Co., Beloit, Wis., $543.35.

Schedule 1533; Mare Island—Motor-driven Screw Machine

Bardons and Oliver, Cleveland, $1,850.09 and $1,950.09.

Brown & Sharpe Co., Providence, R. I., $1,945.

CONTRACT AWARDED

FORT MASON, Cal.—The Prosperity Co., 1142 Mission St., at $436 for Item 1 and $519 for Item 2 awarded contract by the Quartermaster, Fort Mason, for furnishing six laundry presses at Fort Mason. Bids were opened January 8. The other bids were:

American Laundry Machinery Co.; Norwood Station, Cincinnati, (1) $1974; (2) $2259 (price for lot).

Richard Roost Laundry Machinery Co., Huntington Park, (1) $580 and $655; (2) $735. 20%, 20 days.

Troy Laundry Machinery Co., San Francisco, (1) $655; (2) $735. 3%.

West Coast Laundry Machinery Co., San Francisco, (1) $565; (2) $673.

26— RAILROADS

CONTRACT AWARDED.

JOHANNESBURG, Kern Co., Cal.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, has been awarded a contract by the Santa Fe Railway to take up 29 miles of track between Kramer and Johannesburg. Work will be started this week and will require about 60 days to complete.

30—RESERVOIRS & DAMS

LOW BIDDERS

ONTARIO, Oregon—Morrison-Knudsen Co., Boise, Idaho, submitted low bid to the Bureau of Reclamration, Ontario, Oregon, on (Schedule 1) at $112,862.50; on (Schedule 2 at $116,325; and (Schedule 3) at $49,656, for the construction of the Owyhee River and Snivley siphon and concrete bench flume, North Canal, Mitchell Butte Division, Owyhee Project, Oregon-Idaho. The three low bidders were:

SCHEDULE I

Morrison-Knudsen Co., Boise, Idaho, $112,862.50.

Utah Constr. Co., Ogden, Utah, $130,135.

C. F. Dinsmore & Co., and Olson Mfg. Co., $137,720.

SCHEDULE II

Morrison-Knudsen Co., Boise, Idaho, $116,325.

C. F. Dinsmore and Olson Mfg. Co., $124,673.

Utah Constr. Co., Ogden, Utah, $128,119.

SCHEDULE III

Morrison-Knudsen Co., Boise, Idaho, $49,656.

C. F. Dinsmore and Olson Mfg. Co., $51,796.

General Constr. Co., Seattle, Wash., $64,450.50.

Complete bids will be published shortly.

FUNDS APPLIED FOR

FALLBROOK, San Diego Co., Cal.—The Fallbrook Irrigation District, Dr. B. C. Edwards, President, Fallbrook, has applied to the Federal Administration of Public Works for a loan and grant of $2,360,000 to finance the construction of a reservoir, dam and water distribution system at Temecula Canyon, on the San Marguerita River. The dam will be of rock and semi-hydraulic fill construction, 210 ft. high, 700 ft. long at the top, 230 ft. long at the base ,and having a capacity of 1689.26 acres.

Frederick C. Finkle, 346 E. San Fernando Road, Burbank, is the Consulting Engineer.

AWARD AUTHORIZED.

BONNEVILLE, Ore.—War Department has accepted the low bid of Johnson Bros., Inc., and Elvind Anderson, at $878,305 for construction of the side dam at Bonneville Dam site under Bid No. 34349. Formal award of the contract will be delayed, however, pending further exploratory drilling at the dam site

BIDS WANTED.

BONNEVILLE, Ore.—Until Feb. 1, 3 P. M., bids will be received by the U. S. Engineer Office, Major C. F. Williams, district engineer, Room 306 Customhouse, Portland, under Bid No. 34-408, for the construction and maintenance of earth fill cofferdams, a cofferdam sluiceway, a railroad grade crossing, the grading and surfacing of about one-fourth mile of roadway and the excavation and disposal of about 825,000 cu. yds. of material from the site of the Bonneville power house and navigation lock, involving:

(1) 20 acres clear and grub;

Power House Excavation

(2) 250,000 cu. yds. Class 1, common;
(3) 300,000 cu. yds. Class 2, rock;

Lock Excavation

Lock Area A

(4) 3,600 cu. yds. Class 1, common;
(5) 26,000 cu. yds. Class 2, rock;

Lock Area B

(6) 10,000 cu. yds. Class 1, common;
(7) 70,000 cu. yds. Class 2, rock;

Lock Area C

(8) 39,000 cu. yds. Class 1, common;
(9) 33,000 cu. yds. Class 2, rock;
(10) 8,000 cu. yds. cofferdam trench excavation;
(11) 2,000,000 sta. yds. overhaul;
(12) 55,000 cu. yds. impervious fill;
(13) 95,000 cu. yds. cofferdam fill;
(14) 85,000 cu. yds. borrow;
(15) 850,000 ac. ft. x ft. pumping;
(16) 13 sta. rdwy. grading;
(17) 19 sta. 2-course macadam;
(18) 1 job cofferdam sluiceway and grade crossing;
(19) 180 lin. ft. 18-in. culvert pipe, including valve and pier;
(20) 120 lin. ft. 36-in. do. including valve.

Bids for this project were previously called for December 21 but postponed indefinitely because of a proposed change in location. Following contractors procured copies of the plans and specifications at that time.

Utah Const. Co., San Francisco; Guy F. Atkinson, Portland; Guthrie-McDougal, Portland; Morrison-Knudsen, Spokane; P. L. Crooks, Portland; United Contract Co., Portland; J. A. Terteling & Sons, Boise; Meyer Contracting Co., Portland; Von der Hellen & Pierson, Medford; Kern & Kibbe Portland, and Parker-Schram, Portland.

Plans and specifications obtainable from the above office.

PLANS ACCEPTED.

SAN BRUNO, San Mateo Co., Cal.—San Burno city council has accepted plans on a proposed 2,700,000-gal. water reservoir and Water Commissioner W. I. Farmer has announced work will begin as soon as the plans have been approved by State and County plans and projects committees of the CWA. Estimate total cost of the reservoir, to be located west of the present reservoir, will be $34,232.85, of this amount $19,053 will be expended for labor, $4,908 for material, $540 for equipment rental, and $500 for the purchase of tools. The concrete lining will cost approximately $4,231 and engineering and inspection fees $3,000. Approximately $8,828 of the cost will be furnished by Water Department funds, the balance to be met by Federal appropriations. The work will probably be done under the CWA.

R. Classen, city engineer, Redwood City.

CONTRACT AWARDED.

BONNEVILLE, Oregon.—Diamond Drill Contracting Co., Spokane, at $20,150 awarded contract by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-341, for exploration and drilling at Reiche Slide on Columbia River bet. Eagle Creek and Cascade Locks, Ore.

CONTRACT AWARDED

CACHE COUNTY, Utah—J. A. Terteling & Sons, Spokane, Wash., at $337,211 awarded contract by the Bureau of Reclamation, Ogden, Utah, for construction of Hyrum Dam, Cache Valley Division, Salt Lake Basin Project, Cache County, Utah, under Spec. No. 552. The work is located near Hyrum, Utah, on the Oregon Short Line Railroad.

31—PIPE LINES & WELLS

COMPLETE BIDS.

ONTARIO, Ore.—As previously reported, Morrison-Knudsen Co., Boise, Idaho, submitted low bids to the Bureau of Reclamation, Ontario, Oregon, on (Schedule 1) at $112,868.50; (Schedule 2) $116,325; (Schedule 3) $49,656, for the construction of the Owyhee River and Snivley siphons and concrete bench flume, North Canal, Mitchell Butte Division, Owyhee Project:

Complete bids follow:

Morrison-Knudsen Co., Boise, Ida., (Schedule 1) $112,862.50; (Schedule 2) $116,325; (Schedule 3) $49,656; (Schedules 1 and 3) $162,518.50; (Schedules 2 and 3) $165,981; no stiplations.

C. F. Dinsmore & Co. and Olson Mfg. Co., Boise, $137,720; $124,673; $51,796; $189,516; $176,469. Reserve right to decline No. 3 without 1 or 2.

Utah Const. Co., Ogden, $130,135; $128,119; $64,845; $194,980; $192,964.00. Schedules 1 and 3 or 2 and 3.

General Const. Co., Seattle, $173,300; $155,230; $64,450; $237,750; $219,680. Schedules 1 or 2 and 3, or 1 and 2, but not 3.

R. J. Newell, construction engineer.

LOW BIDDERS

NOGALES, Ariz.—T. A. Allen Construction Co., 108 W. Sixth St., Los Angeles, at $226,998.55 submitted low bid to the International Boundary Commission, State Department, El Paso, Texas, for constructing the Nogales Flood Control Project. The work consists of the construction of a single-barrel conduit with the inside dimensions 20 ft. in width and varying from 11 ft. 2 in. to 18 ft. 8 in. in height, 4320 ft. in length; and of an open concrete channel, 90 feet in length, and a concrete highway bridge. Armstrong & Armstrong, Roswell, New Mexico, at $255,228 and George W. Orr, El Paso, at $260,438.60 submitted second and third low bids respectively. L. M. Lawson, Commissioner.

BIDS WANTED.

MANHATTAN BEACH, Los Angeles Co., Cal.—Until Feb. 8, 5 P. M., bids will be received by the Manhattan Beach city council for the drilling and installing complete of a 16-in. well with standard double 10-gauge casing, on lot 4. Tr. 2356. The well is to be drilled straight enough so that a turbine pump can be used therein and perforated at all water-bearing strata, including sand pumping after perforating. The depth of the well is to be approximately 300 ft.

M. J. Crandall, city clerk. L. C. Lull, city engineer.

ONTRACT AWARDED

SAN FRANCISCO—A. J. Grier, 480 hetwood St., Oakland, at $9770 warded contract by the Public Utili- es Commission, City Hall, for the onstruction of pipe lines in the Coast ange Division of the Hetch Hetchy queduct (overflow pipes from Ala- eda Creek Portals).

2—SEWERS & SEWAGE DISPOSAL PLANTS

IDS WANTED.

LAGUNA BEACH, Orange Co., Cal. —Until February 9, 7:30 P. M., bids ill be received by the Laguna Beach ity council for constructing an ac- ivated sludge sewage treatment plant nd lateral sewer system, a PWA roject, for which Federal funds have een allotted, and municipal bonds oted to finance the repayment of he government loan.

The principal items of work are as ollows:

1) treatment plant, complete;
2) 8621 ft. 8-in. vit. sewer, 11 ft. 6 in. average cut;
3) 1860 ft. 10-in. vit. sewer, 14 ft. 7 in. average cut;
4) 2170 ft. 12-in. vit. sewer, 19 ft. 2 in. average cut;
5) 3959 ft. 15-in. vit. sewer, 13 ft. 8 in. average cut;
6) 1711 ft. 18-in. vit. sewer, 15 ft. 3 in. average cut;
7) 490 ft. 4-in. cast iron sewer, 6 ft. 2 -in. average cut;
8) 3865 ft. 6-in. cast iron sewer, 6 ft. 2 -in. average cut;
9) 635 ft. 8-in. cast iron sewer, 7 ft. 1 in. average cut;
10) 1475 ft. 10-in. cast iron sewer, 5 ft. 4 in. average cut;
11) 3888 ft. 12-in. cast iron sewer, 6 ft. 8 in. average cut;
12) 50 ft. 16-in. cast iron sewer, 5 ft. average cut.
13) 80 manholes, average cut 15 ft.;
14) 7 pumping stations, complete;
15) 2 siphon manholes.

Plans and specifications were pre- ared by the Currie Engr. Co., 219 ndreson Block, San Bernardino, from hom copies may be obtained upon eposit of $25.00, of which $15.00 will e returned. The bid must be ac- ompanied by a certified check for 0% of the bid.

RE-ALLOTMENT.

MONTEREY, Monterey Co., Calif.— he Federal Public Works Adminis- ration has re-allotted $25,900 grant o City of Monterey to aid in the con- truction of an intercepting sewer, urge tank and outfall sewer. This llotment represents 30% of the cost f labor and material on a project of hich the total cost is $87,435. A revious allotment of $22,000 was nade to the city of Monterey but in rder to complete the project, an ap- lication was made for $3,900. The e-allotment takes the place of pre- ious allotment for $22,000. H. R. everance, city engineer. C. E. Grun- key, Commercial Bldg., San Fran- isco, consulting engineer.

PLANNED.

SAN JACINTO, Riverside Co., Cal. —The proposed sewer project for the ity of San Jacinto, estimated to cost 123,000 has been placed before the Riverside County CWA board. Of he total $90,000 would be expended or labor, the balance for materials. Koebig & Koebig, Rowan Bldg., Los Angeles, are the engineers.

PLANNED.

PALM SPRINGS, Riverside County, Calif.—The proposed sewage disposal lant project estimated to $75,000, will e placed before the Riverside Coun- y CWA office in an effort to procure WA workmen for use on the work.

A bond issue is to be voted on Feb. 6.

January 20, 1934

FUNDS GRANTED

SPARKS, Nevada — The Federal Public Works Administration has approved a lont of $45,000 for the construction of sewer extensions, drainage system and construction of culverts in Sparks.

DISTRICT FORMED.

ESCALON, Cal.—Formation of the Escalon Sanitary District was voted January 16 by a vote of 139 to 1. The district was formed to provide a sewage disposal system for Escalon and vicinity.

Carl Bryton, Franke Kohne, John Martin, Carl Peterson and Geo. Wallace were chosen directors and O. H. Peterson was named assessor. The directors will meet with the San Joaquin County Board of Supervisors January 22 to complete formation of the district.

TO ASK BIDS.

MODESTO, Cal.—The City of Modesto will call for bids about February 1 for constructing an extension to the sanitary sewers in 19th St, Modesto. The work will involve:

(1) 400 ft. 8-in. vit. clay sewer pipe;
(2) 865 ft. 6-in. do;
(3) 1320 ft. 6-in. cast iron pipe;
(4) 1 pump and auxiliary pump.

Total cost, $7000. J. Rossi, 610 10th St., Modesto, is the consulting engineer. A grant of $2100 has been made by the Federal Public Works Administration toward the cost.

BIDS WANTED.

POULSBO, Wash.—Until Jan. 31, 8 P. M., bids will be received by H. R. Whitford, town clerk, Poulsbo, for furnishing all materials and work, etc., and constructing the sewer system for Poulsbo.

Plans and specifications obtainable from above office upon a deposit of $5, returnable.

BID POSTPONEMENT.

LAGUNA BEACH, Orange Co., Cal. —The date for bids for the construction of the Laguna Beach sewer system and disposal plant will probably be postponed by the city council, due to changes in certain contract clauses required by the Public Works Administration. The date will probably be changed from February 2 (as previously reported) to February 9, but the new official date will be announc-

33— WATERWORKS

BOND ELECTION

TAFT, Kern Co., Cal. — Taft City Council has set January 30 as the date for a new election on a bond issue of $80,000 to finance construction of new fire mains. The City already has been allotted a loan of $56,000 and a grant of $24,000 by the Public Works Administration, contingent upon a pledge of general obligation bonds as security.

The bonds failed to carry at a previous election.

PROSPECTIVE BIDDERS.

COLTON, Cal.—The following have procured plans for the construction of a water supply system and pump station in the City of Colton, San Bernardino County:

Wintroath Pumps, Ltd., 1100 South Meridian, Alhambra.

J. M. Gardiner, Riverside.

Marko Matick, 1436 W 51st St., Los Angeles.

Southern Pipe & Casting Co., Azusa, Calif.

Copies obtainable from the Currie Engr. Co., 219 Andreson Bldg., San Bernardino, consulting engineers, upon a deposit of $15.00, of which $8.00 is returnable.

LOAN AND GRANT.

CARLIN, Nev.—The town of Carlin, Elko county, has been allotted $100,000 by the Federal Public Works Administration for the construction of a waterworks system, including 2 deep wells, pumping station, pumping equipment, a 300,000-gal. concrete reservoir and distributing system, and the construction of a sanitary sewer system, including collecting lines, a pumping station and septic tank. The approximate cost of labor and materials is $74,000, of which 30% is a grant. The balance is a loan secured by 4% general obligation bonds. Work will begin in about two months and completed in five months.

BIDS OPENED.

HAYWARD, Alameda Co., Calif.— The following bids received by the Hayward city council for furnishing 8000 lin. ft. 12-in., Class 150, bell and spigot, cast iron pipe, lengths to be not less than 16-ft.:

American Cast Iron Pipe Co., Sharon Bldg., San Francisco, $1.56 per lineal foot.

U. S. Pipe & Foundry Co., S. F., $1.58 per lin. ft.

Pacific States Cast Iron Pipe Co., San Francisco, $1.60 per lin. ft.

Utilities Supply Co., Los Angeles, $1.7175 per lin. ft.

AWARD.

SAN FRANCISCO. — T. A. Brooks, Purchaser of Supplies, City Hall, has awarded contract to the following firms for furnishing concrete meter boxes, lids, frames and covers for San Francisco Water Department, under Invitation Bid No. 1110:

Forni Mfg. Co.;
Art Concrete Works.

AWARD.

SAN FRANCISCO. — T. A. Brooks, Purchaser of Supplies, City Hall, has awarded contract to the following firms for furnishing brass fittings for the San Francisco Water Department under Invitation Bid No. 1131:

Mueller Company;
Hayes Mfg. Company.

January 20, 1934

BIDS WANTED.

COLTON, San Bernardino Co., Cal. —Until February 5, 7:30 P. M., bids will be received by the Colton city council for constructing the water supply system and pump station improvements under the recent Federal Public Works Allotment of $93,000 to the City of Colton. The work involves approximate quantities as follows:

(1) 30,655 ft. 6-in. steel pipe;
(2) 8,580 ft. 8-in. steel pipe;
(3) 10,400 ft. 10-in. steel pipe;
(4) 50 hydrants;
(5) 47 valves;
(6) 35 connections;
(7) 30 fittings;
(8) two 20-in. wells with two GPM. deep well pumps;
(9) booster pump station;
(10) 3,000,000 gal. reinf. conc. reservoir;
(11) 2,403 cu. yds. excavating;
(12) 1,310 cu. yds. concrete;
(13) 208 tons reinf. steel.

Plans and specifications were prepared by the Currie Engr. Co., 219 Andreson Block, San Bernardino, from whom copies may be obtained upon deposit of $15.00, of which $8.00 will be returned. The bid must be accompanied by a certified check for 10% of the bid. 33

BOND ELECTION PLANS.

FALLON, Nev.—Fallon city officials are proceeding with plans for holding a special bond election on January 31, the money to be used for improvements to the water distribution system, in Fallon.

CONTRACT AWARDED

SAN FRANCISCO—T. A. Brooks, Purchaser of Supplies, San Francisco, awarded contract to Rich Mfg. Co., for furnishing fire hydrants and parts for the Fire Department, under Invitation Bid No. 1130. 33

BIDS WANTED.

POULSBO, Wash.—Until Jan. 31, 8 P. M., bids will be received by Homer H. Whitford, town clerk, Poulsbo, for a chlorinator plant complete.

Plans and specifications obtainable from above office.

ELECTION CALLED.

SAN ANDREAS, Calaveras Co., Cal. —Calaveras County Board of Supervisors has set March 6 as the date for a special election to name directors for the Calaveras Public Utilities District. Three directors will be chosen.

PLANNED

TUCSON, Arizona—Phil J. Martin Jr., Water Superintendent, has announced details of the proposed water system for which $250,000 has been allotted by the Federal Emergency Administration of Public Works. An election will be held to vote on the question. The estimated cost follows:

(1) Water mains, hydrants and valves $125,549.
(2) Copper services before paving, $36,720.
(3) Finish 6,000,000-gallon rsrvoir, $30,800.
(4) Cover existing reservoirs, $9075.
(5) Gasoline driven pumping unit, $5500.
(6) Elevated steel tank, $18,200.
(7) Improve pump building and grounds, $2180.
(8) Meter existing flat rates, $10,000.
(9) Engineering and administration, $11,976.

Estimated cost, $250,000.

The work involves:

(1) 18,800 ft. 4-in. cast iron pipe;
(2) 39,000 ft. 6-in. cast iron pipe;
(3) 4900 ft. 8-in. cast iron pipe;
(4) 1900 ft. 12-ft. 9-in. cast iron pipe
(5) 47 hydrants;
(6) Valves, fittings, etc.
(7) Copper service, ¼-inch diameter (2160 services);
(8) Completing 6,000,000-gal. reservoir
(9) Covers for existing reservoirs;
(10) Gasoline driven emergency booster pump;
(11) Elevated steel storage tank, 250,000 gallon;
(12) Improvement to building and grounds at First Street and Campbell Avenues;
(13) Meters for flat rate services, 559.

R. E. Butler, City Engineer.

34—PARKS AND PLAYGROUNDS

BIDS OPENED.

BEVERLY HILLS, Los Angeles Co. Cal.—Standard Fence Co. and the Los Angeles Fence Co. at $1204 submitted identical low bids to the Beverly Hills city council January 16 for the erection of 480 lin. ft. chain tennis court fence.

Complete bids follow:

Standard Fence Co., L. A.	$1204.00
Los Angeles Fencing Co.	1204.00
Southern Calif. Fence Co.	1204.12
Pacific Const. Co.	1288.00
Crown Fence & Supply Co.	1288.00
Anchor Post Fence Company	1288.00

Bids taken under advisement.

BIDS WANTED.

HAMILTON FIELD, Marin Co. Cal. —Until January 29, bids will be received by the Constructing Quartermaster, Hamilton Field, for furnishing 50,000 pounds of Bermuda grass roots.

BIDS WANTED.

ASTORIA, Ore.—Bids are being received by the Custodian, Astoria Postoffice, for seeding and planting for the U. S. Post Office at Astoria, Ore. Date of opening bids not yet set.

BIDS WANTED

EL CENTRO, Imperial Co., Cal.—Bids are being received by the Custodian, El Centro Post Office, for seeding and planting at the El Centro Post Office. Date of opening bids not yet set.

BIDS WANTED.

MARYSVILLE, Yuba Co., Calif.—Bids are being received by the Custodian, Marysville post office, for seeding and planting at the post office. Date of bid opening not yet set.

BIDS OPENED

STOCKTON, San Joaquin Co., Cal. —Walter A. Hoff, 580 Market St., San Francisco, at $1297 submitted low bid to the Custodian, Stockton Post Office, for seeding and planting at the Stockton Post Office. Following bids received:

Walter A. Hoff, San Francisco	$1297.00
City Park Nursery, Stockton	1697.00

Bids referred to Washington for award.

29—STREETS AND HIGHWAYS

BIDS REJECTED

BENTON COUNTY, Ore.—All bids received by the Oregon State Highway Commission, Portland, Ore., for regrading 4.12 miles; surfacing and applying oil mat surface treatment on Rock Creek-Philomath section of the Alsea Highway, National Recovery Project NRS 229, in Benton County, were rejected. Complete bids follow:

E. C. Hall, Eugene (1) road oil, $40.-020; (2) tar, no bid.
Wren & Greenough and Edwin C. Gerber, Portland (1) $42,850; (2) no bid.
Saxton & Looney, Corvallis, (1) $43,-411; (2) no bid.
F. J. Kernan, Faloma (1) $48,822.50; (2) $49,340.50.

R. H. Baldock, State Highway Engineer.

BIDS WANTED

LOS ANGELES, Cal.—Until February 8, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section B of Route 60, Arroyo Seco National Forest Highway, Angeles National Forest, Los Angeles County, involving:

(1) 40 acres clearing;
(2) 272,000 cu. yds. unclass. excav.;
(3) 1200 cu. yds. do for struc.;
(4) 356,300 sta. yds. overhaul;
(5) 5.742 mi. finish earth graded road;
(6) 45 cu. yds. concrete;
(7) 2100 lbs. reinf. stel;
(8) 164 cu. yds. cem. rubble masonry
(9) 2294 lin. ft. corrugated metal pipe
(10) 1 each C.M.P. elbows;
(11) 1200 cu. yds. hand-laid rock embankment;
(12) 840 lin. ft. wood guard rail;
(13) 70 each R/W monuments;
(14) 3 each Type A spillway inlets.

Plans and specifications obtainable from the above office upon deposit of $10. C. H. Sweetser, District Engineer.

BIDS OPENED.

LOS ANGELES COUNTY, Calif. Koopman-Wright Co., 4735 E 52d Drive, at $20,795.23 submitted low bid to the Los Angeles county supervisors for improving Citrus Ave. from 100 feet north of the south boundary of the city of Covina at the first alley north of Rowland Ave., southerly to Holt Ave., a distance of 5360 lin ft. or 0.65 mile, under Cash Contract No. 462.

Griffith Co., Los Angeles, only other bidder, submitted bid at $23,650.2

The bids were referred to the road department. Geo. W. Jones, county road commissioner.

CONTRACT AWARDED

CHURCHILL COUNTY, Nevada-Union Paving Co., Call Bldg., San Francisco, at $123,645.98 awarded contract by the Directors of the Department of Highways, S. C. Durkee State Highway Engineer,, Carson City Nevada, under Proposal No. 1 (plant mix) for reconstructing 4.98 mi. of State Highway System between Fallon and 5 miles south, Route 2, Sec 03, in Churchill County.

CONTRACT AWARDED.

ARIZONA STATE.—G. K. Thompson, 2301 W 9th St., Los Angeles, at $249,057.45 awarded contract by the Arizona State Highway Commission Phoenix, January 21 for grading and draining on the Globe-Showlow Highway from a point about ½ mile N of the Salt River bridge to approximately three miles northerly. N. F H. 99-F; A.F.E| 6019.

CONTRACT AWARDED.

APACHE COUNTY, Ariz.—Pleasant Hasler Const. Co., 324 Luhrs Building Phoenix, at $88,929 awarded contract by Arizona State Highway Commission, Phoenix, for placing base course and road mix on approximately 14.2 miles of road from the town of Concho to the town of St. Johns, Apache County, and is to be completed on or before May 31.

CONTRACT AWARDED.

ARIZONA STATE.—N. G. Hill and Co., 1344 E McKinley St., Phoenix at $52,974.12 awarded the contract by Arizona State Highway Commission Phoenix, for constructing Project N R. H. 8-A, A. F. E. 8027 and N. R. M 8-A-A.F.E. 524, Tempe-Mesa Highway. The work, which is to extend from 10th St. and Mill Ave. in Tempe southerly and thence easterly approximately two miles, consists of grading, draining, placing select material and mineral aggregate, applying cut back asphalt and processing by the road mix method, and is to be completed on or before March 31.

NOTICE TO BIDDERS.

LOS ANGELES, Cal.—Representative of the district office will accompany prospective bidders over the proposed state highway project in Los Angeles county between Alameda St. and the east boundary of the city limits of Los Angeles, Road VII-L. A-60-L.A., for which bids are to be received February 7.

Said representative will meet prospective bidders at the corner of Alameda Street and N St., Wilmington, on Wednesday, Jan. 31, at 10 A. M.

Prospective bidders are urged to cooperate with the district office and arrange to make their field inspection on the above dates.

BIDS WANTED.

SALINAS, Monterey Co., Cal.—Until February 5 at 7:30 P. M., Salinas city council will receive bids for improvement of Lorimer Street and a portion of Central Avenue, under Resolution No. 815 as provided by the

ip. Bond Act of 1915, amended. The ontract involves grading, construction of hydraulic cement concrete crbs and paving with hydraulic cement concrete. Specifications on file the office of City Clerk F. E. Hople.

DS REJECTED

UMATILLA CO., Ore.—All bids received by the Oregon State Highway ommission, Portland, for applying uminous macadam on East Pendleon Section of Old Oregon Trail, Proj. RM 38-B, in Umatilla County, were jected.

The low bidders were:
Northwest Roads, (tar) $4843; (road il) $4969.
United Contr. Co., $5609; $5600.
R. H. Baldock, state highway engiier.

LANS COMPLETED.

LOS ANGELES, Cal.—G. W. Jones, is Angeles County Road Commisoner, has completed plans for improving Western Avenue from 104th S. to Electric St., about 22,300 feet, nder cash contract, involving:
(1) 1,248,800 sq. ft. grading, including removal of old pavement.
(2) 446,000 sq. ft. 9x7x7 cement conc. pavement;
(3) 16,325 tons 6-in. asph. conc. pave.; tractor, M. Sorensen, 118 Ban-
(4) 978,600 sq. ft. 5-in. disintegrated rock base;
(5) 372,800 sq. ft. 4-in. do and reinf. conc. bridge, 56x246 ft.,; rock and oil shoulders;
(6) 1,500 cu. yds. reinf. conc. (culverts).

Estimated cost, $336,000. Plans and specifications have been approved by the PWA engineer, F. E. Trask.

OW BIDDER

PACHE COUNTY, Ariz.—Pleasant isler Constr. Co., 324 Luhrs Bldg., hoenix, at $88,929.01 submitted low id to the Arizona State Highway ommission, Phoenix, January 18, for ocing base course and road mix on proximately 14.25 mi. of road from t town of Concho to the town of St. Jans, Apache County. Engineer's stimate, $119,400. T. S. O'Connell, State Highway Engineer. Complete bids will be published shortly.

CNTRACT AWARDED.

WALLOWA COUNTY, Cal. — Hart Const. Co., La Grande, Ore., at $83,- awarded contract by State Highway Commission, Portland, for 8.89 iles of regrading, surfacing and oil rt surface treatment on the Wala-Lostine Section of Wallowa Lake ighway. Complete bids follow:

rt Const. Co.	$ 83,867
nn & Baker	90,070
bler Bros.	94,532
rrison-Knudsen	59,485
wport Const., Kern & Kibbe	98,448
Milne	106,649

Bids were opened January 18.

ANS COMPLETED

LOS ANGELES, Cal. —Geo. W. Jones, County Road Commissioner, s completed plans for improving nter Street and King's Lane, from ahelm-Telegraph Road to Whittier d., about 33,000 feet, under Cash ntract, involving:
(1) 1,518,000 sq. ft. grading;
(2) 990,000 sq. ft. 9x7x7x9 C. C. pave.;
(3) 51,563 tons disintegrated rock base
(4) 950 tons pre-mix;
(5) 600 cu. yds. reinf. concrete (culvert);
(6) 1500 lin. ft. 24-in. corru. pipe drain
(7) Wooden bridge, 30x491 feet;
(8) Wooden bridge, 30x383 feet.

Estimated cost, $419,000.

PLANS COMPLETED

LOS ANFELES, Cal. — George W. Jones, County Road Commissioner, has completed plans for improving Sawtelle Blvd., from Barman Ave., to Jefferson Blvd., 4900 ft., under Cash Contract, involving:
(1) 8000 cu. yds. excavation;
(2) 98,000 sq. yds. 9x7x7x9 cement concrete pave.;
(3) 102,900 sq. ft. 5-in. disintregated rock base;
(4) 78,400 sq. ft. 4-in. disintregated rock base and rock and oil shoulders.

Estimated cost $32,000.

LOW BIDDERS

APACHE COUNTY, Ariz. — Leo Frost, Joseph City, Arizona, at $13,-595.32 submitted low bid January 18 to the Bureau of Public Roads, Phoenix, for grading Section B2 of Route 1, Petrified Forest National Monument, Apache County. Rogers Bros., Snowflake, Ariz., at $14,299.80 and Hodgman McVicars, Flagstaff, at $17,-522 submitted second and third low bids respectively. Engineer's estimate, $18,108.

BIDS REJECTED.

LANE COUNTY, Ore.—All bids received by the Oregon State Highway Commission, Portland, for paving Springfield Section of McKenzie Highway, Project NRM 117-B, in Lane County, were rejected.

The bidders were: United Contracting Co., Portland, low at $5,649; second, J. C. Compton, $5,984; third, Stein Bros., $6293.

R. H. Baldock, state highway engineer.

AWARD.

HOOD RIVER COUNTY, Oregon.—United Contracting Co., Portland, at $11,650 awarded contract by the Oregon State Highway Commission, Portland, for paving Hood River Section of Columbia River Highway, Project NRM 35-B in Hood River County.

J. C. Compton at $12,237 submitted second low bid; Northwest Roads Co., third low bidder at $12,564.

R. H. Baldock, state highway engineer.

BIDS REJECTED.

COOS COUNTY, Ore.—All bids received by the Oregon State Highway Commission, Portland, for paving Marshfield Section, Oregon Coast Highway, NRM 141-D, in Coos County were rejected.

The bids were: United Contracting Company, Portland, $11,810; Northwest Roads, $12,783; J. C. Compton, $12,856.

R. H. Baldock, state highway engineer.

BIDS OPENED.

LANE COUNTY, Ore. — Mountain States Const. Co., Eugene, at $26,-175 submitted low bid to Oregon State Highway Commission, Portland, for paving Eugene Section of the Pacific Highway, Proj. NRM 161-D, in Lane County.

Other bidders were:

E. C. Hall	$26,593.00
Stein Brothers	27,260.00
United Const. Co.	28,197.00
J. C. Compton	29,337.00
Northwest Roads Co.	29,640.00

R. H. Baldock, state highway engineer.

BIDS REJECTED

UNION COUNTY, Ore.—All bids received by the Oregon State Highway Commission, Portland, for applying bituminous macadam on La Grande sections of Wallows-Lostine sections of Wallowa highway, Project NRM 80-B, Union County, were rejected.

The low bidders were:
Northwest Roads (tar) $4577 (road oil) $4598.
United Contr. Co., $5278; $5011.
R. H. Baldock, state highway engineer.

AWARD.

MARION COUNTY, Ore.—Theodore Arenz, Portland, at $80,507 awarded the contract by Oregon State Highway Commission, Portland, for paving Mill City-Gates Section of North Santiam Secondary Highway, Proj. NRS 220, about 4.24 miles, in Marion Co.

Fred H. Slate, submitted second low bid at $86,685; third, Edlefsen & Wygandt, at $87,663.

R. H. Baldock, state highway engineer. 29

BIDS WANTED.

WASHINGTON STATE—Until Feb. 6, 10 A. M., bids will be received by the Directors of Highways, Olympia, for highway construction as follows:

Lewis County

Widening with Portland cement conc. and/or retopping existing pavement with an asphaltic surface on about 1.3 miles of State Road No. 1, Harrison Avenue, Main St. and Tower Ave., in Centralia; U. S. Public Works Project No. NRM 57-C, in Lewis county, involving:
(1) 260 cu. yds. Port. cem. concrete pavement;
(2) 375 tons and 31,625 sq. yds. asphaltic surface course;
(3) misc. items of work.

Grays Harbor County

Paving with Portland cement and concrete and/or retopping the existing pavement with an asphaltic surface on about 1.7 miles of State Road No. 9 in Aberdeen; U. S. Public Works Projects Nos. NRM 54-B and NRH 54-C, in Grays Harbor County, involving:
(1) 22,100 cu. yds. excavation;
(2) 18,251 sq. yds. of pavement;
(3) 4,632 lin. ft. cable guard rail, Design No. 5;
(4) 1,095 tons asphaltic surfacing;
(5) 868 lin. ft. sewer and culvert pipe
(6) misc. items of work.

Cowlitz County

Paving with Portland cement concrete on about 1.9 miles of State Rd. No. 12, Longview, U. S. Public Works Projects Nos. 167-G and NRM 167-H, in Cowlitz Coutny.

Jefferson County

Surfacing with about 9,490 cu. yds. of crushed stone on about 3.7 miles of State Road No. 9, Duckabush river Northin Jefferson County.

Jefferson County

Constructing a bituminous surface by the bituminous macadam method on about 2.3 miles of the Port Ludlow Road, Junction State Road No. 9 southeast; U. S. Public Works Project No. NRS 206-A, in Jefferson Co.

Plans and specifications obtainable from above office upon a deposit of $2.00 for each set. L. V. Murrow, Director of Highways.

AWARD.

MULTNOMAH COUNTY, Oregon.—Jacobsen-Jensen, Portland, at $67,915 awarded contract by the Oregon State Highway Commission, Portland, for paving Sandy Blvd.-Halsey St. Section of NE 82nd Ave., Portland; Proj. NRM 199-A and NRH 199-A, about 1.23 miles in Multnomah County.

Complete bids follow:

Jacobsen - Jensen	$67,915
Kern & Kibbe	68,855
Edlefsen & Eygandt	68,898
Theo. Arenz	70,240
Parker - Schram	70,725
Harold Blake	72,347
United Contracting Co.	74,229

R. H. Baldock, state highway engineer.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

ALAMEDA CO.—PARK STREET BRIDGE—(COUNTY)

ALAMEDA COUNTY, Calif. — MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco, at $619,916 awarded contract by the Alameda County Board of Supervisors, Alameda County Court House, Oakland, for the construction of a modern electrically-operated double leaf bascule highway bridge complete with approaches over the tidal canal at Park St., Oakland. Complete bids follow:

(A) MacDonald & Kahn, San Francisco, $619,916.
(B) M. B. McGowan, Inc., San Francisco, $632,578.
(C) Duncanson Harrelson Co., S. F., $635,657.
(D) H. J. Kaiser, Oakland, $648,120.
(E) Healy-Tibbitts Const. Co., S. F., $692,823.
(F) Clinton Const. Co., San Francisco $757,338.

Unit quantities follow:

(1) lump sum, excavation for struc.; dams, etc.;
(2) 10,000 lin. ft. steel piles;
(3) 10,000 lin. ft. untreated timber piles;
(4) 1,040 cu. yds. Port. cem. tremie concrete;
(5) 7,400 cu. yds. Port. cem. struc. concrete;
(6) 390 cu. yds. Port. cem. counterweight concrete;
(7) 1,120,000 lbs. reinf. steel;
(8) 900,000 lbs. silicon steel;
(9) 2,060,000 lbs. carbon steel;
(10) 28,000 lbs. anchor bolts;
(11) 460,000 lbs. machinery;
(12) 1,000 lin. ft. elec. fillet weld;
(13) 2 operator's houses;
(14) 71 MBM creosoted timber;
(15) 13,700 lin. ft. creosoted timber piles;
(16) 2 drainage pumps with motors;
(17) lump sum, conduits acros estuary;
(18) lump sum, removal of existing bridge, etc.

Unit bids follow:

	(A)	(B)	(C)		(D)	(E)	(F)
(1)	$106,390.00	$91,748.00	$69,000.0	0	$116,000.00	$240,000.00	$106,000.00
(2)	1.50	1.65	1.6	0	1.30	1.27	2.70
(3)	.33	.43	1.0	0	.40	.18	1.52
(4)	8.35	8.50	10.7	0	10.00	7.00	10.50
(5)	9.32	9.00	12.5	0	12.00	7.00	13.50
(6)	10.30	11.00	73.5	0	30.00	7.00	13.50
(7)	.033	.034	.0	38	.036	.0344	.046
(8)	.0626	.064	.0	685	.0625	.06	.083
(9)	.0626	.063	.0	673	.0625	.06	.082
(10)	.09	.10	.0	84	.10	.08	.143
(11)	.15	.21	.2	28	.20	.18	.27
(12)	.40	.50	.4	5	.30	.60	1.30
(13)	8,000.00	10,000.00	5,000.0	0	5,000.00	6,000.00	4,200.00
(14)	86.00	85.00	112.0	0	100.00	75.00	122.00
(15)	.75	.65	.8	6	1.00	.60	.81
(16)	1,000.00	3,000.00	490.0	0	1,000.00	600.00	650.00
(17)	20,000.00	24,000.00	17,720.0	0	6,000.00	10,000.00	8,500.00
(18)	65,000.00	50,000.00	14,800.0	0	45,000.00	38,000.00	30,000.00

APACHE COUNTY — GRADING — (GOVT.)

APACHE COUNTY, Ariz.—As previously reported, Leo Frost, Joseph City, Arizona, at $13,595.32 submttied low bid to the Bureau of Public Roads, Phoenix, for grading Section E2 of Route 1, Petrified Forest National Monument, Apache County.

Complete bids follow:

(A) Leo Frost, Joseph City, Arizona, $13,595.32.
(B) Rogers Bros., Snowflake, Ariz., $14,229.80.
(C) Hodgman & MacVicar, Pasadena, $17,522.00.
(D) Skousen Bros., Albuquerque, N. M., $18,034.00.
(E) All-Arizona Engr. & Const. Co., Clifton, Ariz., $18,191.00.
(F) Everly and Allison, Albuquerque, $18,580.20.
(G) O. F. Fisher, Phoenix, $19,968.
(H) Engineer's estimate, $18,108.

Unit quantities were:

(1) 18,500 cu. yds. unclass. excav.;
(2) 200 cu. yds. do, struc.;
(3) 13,000 cu. yds. do for borrow;
(4) 2,600 sq. yds. overhaul;
(5) 33 cu. yds. Class A concrete;
(6) 42 cu. yds. Class B concrete;
(7) 5,000 lbs. reinf. steel;
(8) 872 lin. ft. 18-in. CMP in place;
(9) 456 lin. ft. 24-in. do;
(10) 10,300 lin. ft. protection ditch;
(11) 6,000 cu. yds. mi. borrow haul;
(12) 5 miles obliterating exist. road;
(13) 1 each cattle guard.

Unit prices follow:

	(A)	(B)	(C)		(D)	(E)	(F)	(G)	(H)
(1)	$ .20	$ .18	$ .25	$	.25	$ .30	$ .37	$ .42	$ .30
(2)	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00
(3)	.17	.20	.20		.25	.24	.25	.22	.25
(4)	.05	.10	.05		.04	.05	.03	.10	.05
(5)	25.00	21.00	35.00		29.00	24.00	24.00	30.00	30.00
(6)	25.00	21.00	35.00		29.00	24.00	24.00	30.00	30.00
(7)	.08	.08	.10		.08	.10	.08	.07	.08
(8)	1.55	2.10	2.00		2.00	2.50	2.00	2.00	2.00
(9)	2.37	3.10	3.00		3.00	3.50	2.95	2.75	2.75
(10)	.06	.05	.10		.06	.05	.06	.10	.10
(11)	.18	.20	.25		.40	.25	.15	.25	.25
(12)	75.00	75.00	100.00		100.00	100.00	150.00	25.00	40.00
(13)	575.00	600.00	700.00		650.00	600.00	650.00	625.00	600.00

Award recommended to low bidder. C. H. Sweetser, district engineer.

BIDS OPENED.

LOS ANGELES COUNTY, Call Griffith Co., 502 Los Angeles Rail Bldg., Los Angeles, at $73,917.90 s mitted low bid to the State Highw Commission, Sacramento, for grad and paving with asphalt conc about 8.6 miles between Saugus Williams Ranch is Los Angeles (

Complete bids follow:

(A) Griffith Co., Los Angeles, $ 917.90.
(B) Gibbons & Reed Co., Burba $78,227.90.

Unit quantities were:

(1) 355 sta. clear and grub right way;
(2) 25,500 cu. yds. rdwy. excav., u classified;
(3) 350,000 sta. yds. overhaul;
(4) 3,500 cu. yds. imported borro
(5) 500 cu. yds. struc. excav.;
(6) 11,950 sq. yds. subgrade for pa
(7) 17,000 sq. yds. asph. paint bin
(8) 12,300 tons asphalt concrete;
(9) 3,160 bbls. fuel oil;
(10) 6.71 miles prepare, mix and sh shoulders;
(11) 10 cu. yds. Class A Port. c conc. (struc.);
(12) 300 lbs. bar reinf. steel (stru
(13) 120 lin. ft. 18-in. corru. m pipe;
(14) 24 lin. ft. 24-in. do;
(15) 60 lin. ft. 30-in. do;
(16) 100 cu. yds. concrete removed disposed of;
(17) 400 lin. ft. laminated timber rail;
(18) 10 each, culvert markers;
(19) 355 sta. finish rdwy.

Unit prices follow:

	(A)	(B)
(1)	$ 3.50	$ 2.00
(2)	.43	.36
(3)	.007	.005
(4)	.47	.50
(5)	.90	1.00
(6)	.12	.10
(7)	.02	.02
(8)	3.65	4.25
(9)	1.45	1.40
(10)	400.00	450.00
(11)	25.00	20.00
(12)	.05	.04
(13)	.46	.50
(14)	.60	.60
(15)	.70	.75
(16)	3.00	3.00
(17)	1.25	1.25
(18)	2.50	1.50
(19)	6.00	2.00

CONTRACT AWARDED.

BERKELEY, Alameda Co., Calif F. A. Stead, 3206 Boise St., Berkel at $1,429.20 awarded contract by B keley city council for improv Franklin St. between Francisco a Virginia Sts.

Unit items follow:

(1) 10,000 sq. ft. grading;
(2) 8,700 sq. ft. oil macadam pavi
(3) 542 lin. ft. curbs and gutters;

The bidders were:

(A) F. A. Stead, Berkeley.
(B) Lee J. Immel, Berkeley.
(C) Ransome Co., Emeryville.

Complete bids and unit prices f low:

	(1)	(2)	(3)	Tot
(A)	$.005	$.09	$1.10	$1,429
(B)	.0165	.132	1.10	1,909
(C)	.012	.132	1.32	1,983

Florence E. Turner, city clerk.

BIDS OPENED.

ALBANY, Alameda Co., Calif.—A. Sola & Son, 1077 65th St., Oakland, at $8,849 submitted low bid to H. W. Bower, city clerk, Albany, for the installation of a street lighting system on San Pablo Ave. in Albany.

Complete bids were:

(1) A. Soda & Son, Oakland, $10,849.
(2) Scott-Buttner Elec. Co., Oakland, $10,927.

Unit quantities follow:

(1) 75 tubular steel poles with foundations.
(2) 75 c. l. orna. brackets and lighting units with 6000 lumen lamps;
(3) 22,000 lin. ft. No. 6 weatherproof wire;
(4) 1,600 lin. ft. No. 8 stranded proof wire;
(5) 75 c. l. pole tops with special arms pins and insulators;
(6) 11 malleable iron cross arms with pins and insulation.

Unit prices were:

	(A)	(B)
(1)	$2,250.00	$2,680.00
(2)	6,750.00	6,000.00
(3)	880.00	935.00
(4)	160.00	482.00
(5)	699.00	690.00
(6)	110.00	140.00

Bids held under advisement until January 29. 24

COMPLETE BID LISTING.

APACHE CO., Ariz.—As previously reported, Pleasant Hasler Const. Co., 38 Luhrs Bldg., Phoenix, at $88,929.- 0 submitted low bid to the Arizona State Highway Commission, Phoenix, for placing base course and road mix on approximately 14.25 miles of road from the town of Concho to the town of St. Johns, Apache County, and is to be completed on or before May 31.

Complete bids follow:

(1) Pleasant Hasler Const. Co., Phoenix, $88,929.01.
(2) N. G. Hill & Co., Phoenix, $98,-882.58.
(3) Heafey-Moore Co. and Vasson, Westward Ho Hotel, Phoenix, $102,944.41.
(4) Pearson & Dickerson, Phoenix, $109,035.81.

Unit quantities follow:

(1) 1 each cattle guard type B (CIP)
(2) 333 M. gals. sprinkling (compl. in place);
(3) 63,735 sq. yds. reshaping road surface;
(4) 25,628 cu. yds. aggregate base course;
(5) 71,177 cu. yds. mi. aggregate base course haul;
(6) 1,710 cu. yds. shoulder material;
(7) 3,831 cu. yds. mi. shoulder material haul;
(8) 14,513 cu. yds. mineral aggreg.;
(9) 99,889 cu. yds. mi. do, haul;
(10) 279,198 gals. asph. road oil (for road mix only, CIP);
(11) 229 tons cutback asph. (for seal coat only) CIP;
(12) 14.205 miles processing road mix;
(13) 1,217 cu. yds. screenings (CIP);
(14) 450 sq. yds. placing intersections
(15) 285 cu. yds. special stockpiled rd. mix (CIP except cutback asph.)

	(A)	(B)	(C)	(D)
(1)	$500.00	$755.00	$400.00	$750.00
(2)	3.00	2.50	3.50	4.50
(3)	.01	.01	.005	.02
(4)	.61	.70	.57	.60
(5)	.10	.125	.12	.13
(6)	.61	.70	.57	1.00
(7)	.10	.125	.12	.13
(8)	.65	.80	.55	.75
(9)	.10	.10	.12	.13
(10)	.085	.09	.11	.10
(11)	30.00	35.00	40.00	40.00
(12)	400.00	500.00	600.00	800.00
(13)	4.00	4.00	5.00	4.00
(14)	.15	.20	.20	1.00
(15)	5.00	2.50	5.00	4.00

T. S. O'Connell, state highway engineer. Estimate, $119,400.

SAN DIEGO CO.—10.2 Mi. Grade and Pave—(State)

SAN DIEGO COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., at $304,154.30 submitted low bid to State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 10.2 miles in San Diego County between Encinitas and Oceanside:

Complete bids follow:

(A) Griffith Co., Los Angeles, $304,-154.30.
(B) Jahn & Bressi Const. Co., Los Angeles, $305,173.30.
(C) Oswald Bros., Los Angeles, $307.-058.10.
(D) Sander Pearson, Santa Monica, and Mundo Engr. Co., Los Angeles, $313,991.55.
(E) V. R. Dennis Const. Co., San Diego, $327.337.40.
(F) Sharp & Fellows Contracting Co., Los Angeles, $335,911.35.
(G) Daley Corp., San Diego, $352,-290.25.
(H) Southern California Roads Co., Los Angeles, $369.086.10.
(I) Hanrahan Co., San Francisco, $581,783.50.

Unit quantities follow:

(1) 80 trees to be removed and disposed of;
(2) 135,100 cu. yds. rdwy. excav. unclass.;
(3) 63,000 cu. yds. imported borrow;
(4) 1590 eu. yds. selected material;
(5) 837,000 sta. yds. overhaul;
(6) 1070 cu. yds. struc. excav.;
(7) 84,500 sq. yds. subgrade for pave.
(8) 72,000 sq. yds. asph. paint binder
(9) 64,200 tons asph. concrete;
(10) 450 cu. yds. Class A Portland cement conc. strucs., sidewalks and curbs;
(11) 4200 lbs. mar reinf. steel strucs.;
(12) 1500 tons crusher run base;
(13) 546 lin. ft. 8-in. C.M.U.;
(14) 152 lin. ft. 12-in. C.M.P.;
(15) 1478 lin. ft. 18-in. C.M.P.;
(16) 54 lin. ft. 24-in. C.M.P.;
(17) 25 each spillway assemblies;
(18) 8600 M. gals. water;
(19) 2000 bbls. heavy fuel oil;
(20) 400 lin. ft. laminated timber buardrail;
(21) 4300 sq. yds. lined gutters;
(22) 21 each culvert markers;
(23) 2350 cu. yds. riprap;
(24) 6 each cast iron drop inlet frames and covers;
(25) 7080 lin. ft. exist. woood curbs to be removed and salvaged;
(26) 180 lin. ft. exist. CMP culverts to be removed and salvaged;
(27) 440 cu. yds. exist. riprap to be removed and salvaged;
(28) 135 each guide posts to be moved and reset;
(29) 112 lin. ft. guardrail to be moved and reset;
(30) 16 each culvert markers to be moved and reset;
(31) 6 each monuments to be moved and reset;
(32) 0.25 miles property fence to be removed and reset;
(33) 29 each electroliers to be moved and reset;
(34) 3260 cu. yds. conc. in exist. pave. struc. except bridge to be removed and disposed of;
(35) 535 cu. yds. conc. in exist. bridges to be do;
(36) 160 each monuments complete in place;
(37) 160 each, monuments complete in place.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ 8.00	$ 4.00	$ 20.00	$ 20.00	$ 10.00	$ 10.00	$ 11.30	$ 17.50	$ 7.50
(2)	.245	.22	.24	.245	.25	.26	.25	.35	.25
(3)	.31	.38	.50	.47	.40	.50	.57	.56	.40
(4)	.60	2.00	2.00	.70	1.25	1.50	.57	.50	.80
(5)	.004	.002	.004	.0035	.005	.004	.01	.003	.005
(6)	.80	.60	.80	.85	1.00	.90	.85	.70	.75
(7)	.14	.08	.09	.09	.10	.10	.06	.09	.09
(8)	.03	.02	.02	.02	.02	.02	.015	.02	.02
(9)	2.80	3.15	2.92	2.89	3.25	3.28	3.36	3.33	3.47
(10)	15.00	15.00	14.00	16.00	15.00	14.50	15.00	14.50	16.00
(11)	.04	.04	.045	.05	.10	.045	.045	.06	.07
(12)	2.50	2.00	1.85	2.50	1.75	2.00	4.50	2.10	2.50
(13)	1.10	.90	.75	1.00	1.25	.90	1.00	.80	1.00
(14)	1.30	1.25	1.05	1.30	1.50	1.20	1.40	1.20	1.20
(15)	1.70	1.60	1.45	1.90	2.00	1.60	1.75	1.60	1.60
(16)	2.60	2.50	2.10	2.70	3.00	2.30	2.75	2.50	2.30
(17)	30.00	20.00	12.50	15.00	15.00	15.00	15.60	15.00	12.00
(18)	.60	.50	.60	.70	.50	.60	.80	1.40	.20
(19)	2.10	1.95	2.30	2.30	1.80	2.15	2.45	1.85	2.20
(20)	1.00	.90	1.00	1.10	1.00	1.00	.85	1.00	1.00
(21)	1.20	.40	.50	1.25	1.00	.90	.75	.92	.60
(22)	2.50	2.00	2.00	3.00	2.00	1.50	2.20	2.00	2.00
(23)	1.15	1.00	1.10	1.15	1.50	1.00	1.70	2.00	1.00
(24)	40.00	25.00	27.50	28.00	25.00	30.00	36.75	32.00	27.00
(25)	.07	.02	.03	.15	.03	.05	.08	.03	.07
(26)	1.10	.75	.25	.65	.50	.50	.60	.40	.50
(27)	3.10	1.00	3.00	1.50	1.25	1.00	1.25	2.00	2.00
(28)	1.00	1.00	1.00	1.75	1.50	.75	.60	1.50	1.00
(29)	.75	.50	.50	1.00	.75	.60	.60	.60	.50
(30)	1.00	.75	.85	1.50	1.50	.60	.60	1.00	1.00
(31)	1.50	1.00	1.75	2.00	1.50	1.50	1.75	2.00	2.00
(32)	500.00	300.00	450.00	400.00	600.00	300.00	175.00	360.00	240.00
(33)	60.00	25.00	60.00	50.00	100.00	30.00	96.00	50.00	100.00
(34)	2.50	1.00	1.05	1.70	1.00	1.40	.85	3.20	2.00
(35)	4.00	1.50	3.00	5.50	1.50	4.00	5.10	6.00	4.50
(36)	8.00	8.00	2.00	7.00	5.00	5.00	4.50	5.00	10.00
(37)	3.00	2.50	2.50	3.25	2.00	2.50	2.25	3.00	3.00

BIDS OPENED.

SAN FRANCISCO.—A. J. Grier, 480 Chetwood Street, Oakland, at $9,770 submitted low bid to the Public Utilities Commission, City Hall, San Francisco, for the construction of pipe lines in the Coast Range Division of the Hetch Hetchy Aqueduct (overflow pipes from Alameda Creek portals), H.H.W.S. Contract No. 146.

Complete bids follow:

(A) A. J. Grier, 480 Chetwood Street, Oakland, $9,770.00.
(B) Tieslau Bros., Berkeley, $10,717.50
(C) American Concrete & Steel Pipe Co., Southgate, $11,497.50.
(D) W. A. Bechtel Co., San Francisco, $17,280.00.

Unit quantities follow:

(1) lump sum, constructing pipe line near east portal;
(2) do, near west portal;
(3) per cu. yd., additional excav. in pipe trences excavated by the city, 100 cu. yds.;

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IN THIS ISSUE

President Approves National Construction Code

Treasury Department Building Program Totals $7,860,884

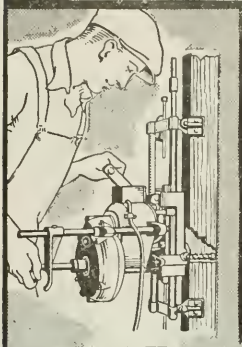
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

VII—No. 5

FEBRUARY 3, 1934

WAPPAT Electric TOOLS



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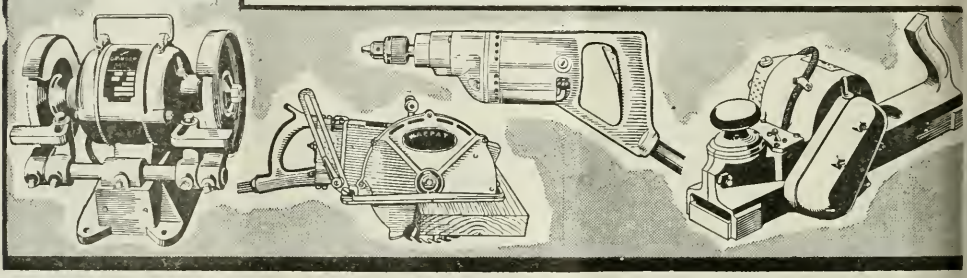

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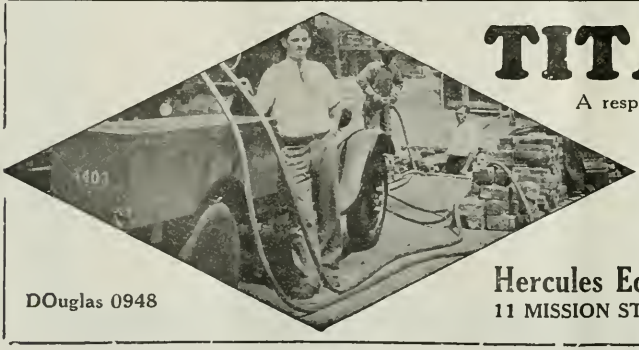

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. XVII SAN FRANCISCO, CAILF., FEBRUARY 3, 1934 No. 5

esident Signs National Construction Code To Become Effective February 27

The construction industry basic code was signed by President evelt under authority of the National Industrial Recovery Act nesday night and will become operative February 27, construction nizations were advised here yesterday.

The Construction League of the United States is now in session Vashington and is expected to complete preparations for making ode effective. Floyd O. Booe, secretary of the Construction League alifornia, the state administrative authority, is attending the na- l conference.

copy of the completed code is g brought to the coast by air and is expected to arrive to- Until it is received local bs will not know what revi- were agreed upon prior to residents approval.

e code as sent to the Presi- by Administrator Hugh John- prescribed basic minimum s of 40 cents an hour unless on July 15, 1929, but not less 30 cents an hour, a basic mum 40-hour week and special l for each division or subdi- of the industry to investi- and settle complaints. Stabi- on of employment is expected one of the chief benefits to from the code.

cedure for competitive bid- is specified. Definite responsi- es are imposed not only on submitting bids but upon who came to any branch of dustry for the purpose of ob- g bids. Bid peddling is not y declared an unfair trade ice but is absolutely prohib- d.

prevent abuses in connection requests for bids and award ntracts, the various divisions subdivisions of the industry iven the right to prohibit the mission of bids unless the ding authority agrees to com- with the regulations of the Divisional code authorities the right to provide a satis- y method of checking bids. istration of all jobs above $2,- s provided even if they are under a subcontract. The ration fee, a minimum of $2 go toward expenses of code nistration.

code contains nothing in the of profit insurance, price-fix- production control.

code is sponsored by the fol- groups, each of which is ex- to file a supplemental code ng its own division:

American Institute of Architects, American Society of Civil Engineers, Associated General Contractors of America, International Society of Master Painters and Decorators, Inc., National Association of Marble Dealers, Heating, Piping and Air Conditioning Contractors, National Association, Cement - Gun Contractors Association, National Building Granite Quarries Association, Contracting Plasterers International Association, Tile & Mantel Contractors Association of America, National Association of Master Plumbers of the U. S., National Elevator Manufacturers Industry, Roofing and Sheet Metal Industries Conference, Mason Contractors Association of the U. S. and Canada, American Road Builders' Association, National Association of Metal Furring and Lathing Contractors. Asbestos Contractors National Association, National Association of Building Trades Employers, National Association of Builders' Exchanges, American Construction Council.

S. F. FIRM WINS LUMBER CONTRACT

Receipt of a contract for approximately nine million board feet of piling and timber to be used in construction of Pearl Harbor Navy Yard improvements was announced in San Francisco yesterday by A. M. Baxter, president of J. H. Baxter and Company, 333 Montgomery street.

The material will be used by the Hawaiian Dredging Company, Honolulu, general contractors on the Pearl Harbor repair basin construction.

Shipments from Pacific Coast mills of J. H. Baxter and Company will commence immediately and continue throughout the year. The timber will be transported on the company's own vessels.

CONFERENCE MAY SETTLE CODE SUIT

Hope For Compromise To Resume State Highway Construction Program

SACRAMENTO, Jan. 29—Suit of San Francisco labor unions to compel recognition of a state code wage scale in all highway construction contracts was taken under advisement today by Judge Peter J. Shields of the Sacramento county superior court. An early decision is expected.

Judge Shields asked for a brief from the attorney-general supplementing points in his argument and allowed five days for filing. Attorney A. L. Augustine as counsel for the state indicated that he would file the brief immediately, however.

Further proceedings on all highway contracts in Northern California will remain suspended until the court decision is obtained, officials said. It is expected that one or two contracts in Southern California will be released for advertising tomorrow but no proceedings will be initiated for Northern California work and awards pending on four contracts will be delayed.

Meanwhile a conference may be arranged between plaintiffs in the action, State Director of Public Works Earl Lee Kelly, Corporation Commissioner E. M. Daugherty and Director of Industrial Relations T. A. Reardon in an effort to compromise. A settlement is being urged by many interests to resume highway construction program which is now blocked by the court proceedings. Contracts estimated at $2,352,000 which were awaiting award or on which bids were to be opened shortly were stopped by the suit.

The plaintiff unions allege that the Department of Public Works is compelled to specify a wage scale on highway contracts equal to that incorporated in the code of the Excavators and Dump Truck Contractors, which is substantially higher than the prevailing wage rates as determined by the commission.

FEDERAL BUILDINGS

Following is a report on the status of the Treasury Department building program in the states of California, Arizona, Nevada, Utah, Idaho, Oregon and Washington as of December 31, 1933:

Projects Under Contract

Project	*Limit of Cost
Logan, Utah	$ 54,612
Los Angeles, Cal., QS.	99,768
San Francisco, Cal., OB.	2,889,040
Tecate, Cal., BS.	60,000
Total	$3,113,420

Site Selected, Planh Completed; Projects Now in Specification Stage or Out for Bids

Edy, Nev.	$ 45,000
Marsheld, Ore.	92,400
North Hollywood, Cal.	56,100
Phoenix, Ariz.	635,559
Salinas, Cal.	33,600
San Gabriel, Cal.	57,200
South Pasadena, Cal.	63,800
Ventura, Cal.	85,800
Total	$1,119,459

Site Selected and Plans Partially Completed

Alhambra, Cal.	$ 178,415
Anaheim, Cal.	120,000
Hollywood, Cal.	214,500
Inglewood, Cal.	90,000
Lodi, Cal.	55,000
Madera, Cal.	50,600
Nogales, Ariz., IS.	169,000
Phoenix, Ariz., Ct. H.	40,000
Redding, Cal.	79,200
Redwood City, Cal.	66,600
Roseville, Cal.	45,100
San Pedro, Cal.	568,840
Montebello, Cal.	45,100
Santa Cruz, Cal.	115,750
Santa Monica, Cal.	130,300
Van Nuys, Cal.	57,200
Whittier, Cal.	71,500
Total	$2,097,705

Site Acquired

Bell, Cal.	$ 38,300
Boise, Idaho (Assay Office)	15,000
Hollister, Cal.	45,100
Santa Clara, Cal.	40,500
Total	$ 138,900

Site Bids In—Awaiting Selection

San Rafael, Cal.	$ 64,900

Sits Bids In—Awaiting Selection

El Monte, Cal.	$ 48,500
Hillsboro, Ore.	56,700
Huntington Beach, Cal.	52,800
Montesano, Wash.	56,300
Santa Paula, Cal.	52,800
Winslow, Ariz.	49,500
Eastport, Idaho, BS.	60,000
Claremont, Cal.	51,700
Colton, Cal.	57,200
Compton, Cal.	77,000
Hood River, Ore.	61,600
Kingman, Ariz.	44,000
La Jolla, Cal.	59,400
Laurier, Wash., BS.	67,500
Oceanside, Cal.	55,000
Orange, Cal.	64,900
Pittsburg, Cal.	68,200
Redondo Beach, Cal.	73,700
San Fernando, Cal.	72,600
Torrance, Cal.	63,800
Turlock, Cal.	63,800
Woodland, Cal.	69,900
Total	$1,326,500
Grand Total	$7,860,884

Key to Abbreviations: Q.S., Quarantine Station; B.S., Border Station; O.B., Office Bldg.; I.S. Immigration Station; Ct. H., Courthouse.

*Limit of Cost includes administrative expenses.

Treasury Department Has 56 Building Projects in Seven Western State

Appropriations are available for fifty-six federal building projects in western states under jurisdiction of the Treasury Department, according to an analysis of the Treasury building program as of December 31. The report does not include $1,225,000 since allotted by the Public Works Administration for a new mint building in San Francisco.

Expenditures authorized for the fifty-six projects listed total $7,860,884. They are located in the state of California, Arizona, Nevada, Utah, Idaho, Oregon and Washington.

The accompanying tabulation shows the status of each project.

For all building projects under the Treasury Department jurisdiction $59,026,153 has been allocated. There are 31 projects under contract and 52 projects on which bids have been received, advertised or on which specifications are ready, obligating $24,322,179 of the total appropriations. Drawings are being prepared by the Supervising Architect for 44 projects to cost $5,162,829 and by private architects for 59 projects to cost $5,235,645.

Sites have been selected for 23 other buildings. Sites are being selected from 228 buildings to cost $22,807,665. Proceedings on two projects are held up temporarily.

Ask Force Account For $37,000 PWA Gilroy Pipe Job

Gilroy city council has adopted a resolution petitioning the Public Works Administration to permit force account construction of a water supply pipe line for which the city have been allotted $37,000 as a loan and grant from the federal fund.

The money was requested to permit replacement of 13,000 feet of the main supply line.

The allotment to the city was made contingent upon a bond issue to be voted as security for the loan. No proceedings have been commenced for a bond election and councilmen indicated that there would be delayed pending a reply to the petition for force account construction.

Water System Bond Proposal Loses in Taft

A proposed bond issue of $80,000 to reconstruct fire mains was defeated for the second time by Taft voters January 30. The vote was Yes, 291, and No. 207, the project failing of the necessary two-thirds majority by 41 ballots.

A Public Works Administration grant and loan allotted to the project probably will be rescinded due to failure of the bond issue. The proposal was defeated at a special election held several months ago, prior to allocation of the PWA funds. Following announcement of the grant it was submitted again in the belief that the assurance of federal funds would carry the election.

FOUR HIGHWAY CONTRACTS OUT FOR FIGURE

Federal and State Agencies Issue Bid Calls; Two in California

Four state and federal highw construction contracts were put o for bids yesterday, involving wo in California, Arizona and Nevad

The California state highw commission released two contrac in Ventura and Santa Barbara cou ties for bids on February 21. Th area is outside the jurisdiction the state code of the Excavato and Dump Truck Contractors a is not involved in the litigatio which has halted all work in Nort ern California.

The Santa Barbara contract for construction of two reinforc concrete bridges located 27 and miles north of the city of San Barbara. The Ventura job is gra ing and oiling a section of abo 2.9 miles.

The U. S. Bureau of Publi Roads in San Francisco announc that bids would be received he on February 20 for grading Secti B of the Kingman - Boulder Da highway, one of the major road co struction projects being handled the Bureau. This is a section 10.7 miles adjoining that on whi the Weymouth-Crowell Company Los Angeles holds a contra awarded several months ago. appropriation of $400,000 has he made for the work.

The Nevada state highway dire tors advertised a contract in Cla county between Charleston Pa road and Indian Springs for su facing approximately 26.9 mil with asphaltic road mix. Bids a to be opened February 14.

ROAD BUREAU ENGINEER DIE

D. L. Macbeath, supervising e gineer with the San Francisco di trict office of the U. S. Bureau Public Roads, died Thursday nig in San Rafael after an operati which was performed about a we ago. Mr. Masbeath was supervis of Southern California projects.

TATE WATER AUTHORITY ASKS $36,767,000 LOAN

entral Valley Projects Constructing Board Holds First Session

An amended application to the blic Works Administration for fancing of the Central Valley ater project was approved at the st meeting of the California Wat- Authority held Thursday in Sac- mento The application will ask grant of $36,767,000 as an esti- ted 30 percent of the cost of bor and materials.

The balance of the cost totaling $59,652,000 will be sought as a 50- ar loan on revenue bond secur- .

Favorable recommendation on loan by the California PWA visory committee by next Fri- y was predicted by Chairman rl Lee Kelly. He said he would to Los Angeles next week for al meetings with the state board.

A. D. Edmonston, state water re- urces engineer, told the author- 700,000 to 800,000 acre feet of ter—more than the initial de- lopment of the project—can be rketed as soon as it can be de- ered.

He specifically listed applications m:

Madera irrigation district, 200,- acre feet; Alta irrigation dis- ct, 50,000; Tulare county, 350,- ; Kern county, 125,000 Mendota rigation district, unspecified ount of water.

Preliminary conferences on pur- se of power have been asked by ies of Redding, Stockton and di, reclamation district No. 2068, r Dixon; El Camino irrigation trict and Madera irrigation dis- ct.

The authority set 10 A. M. on last Monday of each month as time of regular meetings to be d in the State Capitol.

evised Price List Creates Buying Spurt

Increased business at western lls for the week ending January is attributed by the West Coast mbermen's Association to new nimum price lists covering items Douglas fir and West Coast hem- k effective January 22.

"In this new list adjustments d corrections were made in list- to clarify the rules of sales and prevent buyers from taking ad- n e of conflicting regulations," vs an association bulletin. "A nsiderable portion of the busi- ss placed during the week is be- ved to have been to get orders the books at the mill before the wer and more specific regulations nt into effect. Building is slow d not expected soon to become tive."

BROADWAY BORE BIDS MARCH 22

Directors of Joint Highway District No. 13 late yesterday authorized a call for bids on the construction of the Broadway low-level tunnel, with appurtenant highway structures estimated to cost $3,752,000. Bids will be received in Oakland at 2 p.m., March 22.

The tunnel, itself is to be a twin bore 2910 feet in length, each bore having a 22-ft. roadway and 3-ft. sidewalk. The construction contract includes portal buildings, two grade separation structures on the route of the Sacramento Northern railroad, the Landvale overhead and viaduct and the Golden Gate Ave. overhead.

The project is financed by state and district funds and a PWA grant of $1,095,000.

Wallace B. Boggs, 1448 Webster street, Oakland, is chief engineer for the district. Drawings and specifications are obtainable at his office on deposit of $50.00.

$500,000 Loan for Rebuilding Homes In Southern Cities

Owners of homes and business properties in Long Beach and neighboring cities suffering earthquake damage will benefit from a $500,000 allotment made by the Public Works Administration to the Unified Rehabilitation Corporation of Long Beach this week.

The corporation will receive applications for loans made by owners of the damaged property, and transmit them to PWA with recommendations for approval or disapproval. The corporation already has forwarded more than 50 applications to Washington. After the Public Works Administration has approved the individual applications the owners of the property will execute the necessary first mortgage notes in favor of the Unified Rehabilitation Corp.; which will endorse them over to the PWA receive the money and pay it over to the property owners.

The allotment of $500,000 is a loan only, no grant being authorized by the law.

UNION OIL REVIEWS CONSTRUCTION JOBS

The January issue of the "Union Oil Bulletin," employes' magazine published by the Union Oil Company, is devoted to a review of major construction projects in the western states. It includes articles and original illustrations describing the Colorado River aqueduct, San Franciscon - Oakland Bay bridge, Golden Gate bridge, Boulder Dam, Grand Coulee dam, Madden dam, Santa Monica breakwater, Pine Canyon dam, San Gabriel dam No. 2, and various highway construction jobs.

S. F. BUILDING TOTAL $472,890 IN JANUARY

Month Compares Favorably With 1932 in Private Work Awarded

Privately-financed building in San Francisco during January was approximately equal to that of January last year, according to the monthly report of Director of Public Works W. H. Worden. The total for the month, including all classes of permits was $472,890. There were 320 permits issued, compared with 272 last January.

The total for January, 1932, was $2,116,855, but included federal building contracts totaling $1,798,-850.

Residential building last month was valued at $92,000 and non-residential at $199,870. The total for additions, alterations and repairs was $164,643, not including permits required for signs, boilers, elevators, etc. The total for all classes of alterations was $181,020, compared with $100,055 in the corresponding month of 1933.

Following are the comparative totals for the two corresponding months:

Class	Jan., 1934 No. of P'mts	Jan., 1934 Est. Cost	Jan., 1933 No. of P'mts	Jan., 1933 Est. Cost
A	1	$ 50,000	.....	$ .....
B	.....	.....	2	105,000
C	2	8,000	4	5,750
Frames	17	103,005	31	107,200
Alter.	298	181,020	227	100,055
Public	1	129,665	.....	.....
U. S. Govt.	1	1,200	5	1,798,850
Total	320	$472,890	269	$2,116,855

FIRE APPARATUS SHIPMENTS GAIN

Shipments of hand-type fire extinguishing equipment for the year 1933 totaled 210,824 units, compared with 174,885 units in 1932, according to reports compiled from manufacturers by the Department of Commerce. Shipment of 24,989 units in December established a peak for the twelve-month period and was the heaviest month's business reported since July, 1931.

There were 326 2-wheeled chemical engines delivered during the year compared with 396 in 1932 and 1,179 in 1931.

Shipment of motor apparatus totaled 257 units in 1933, in 1932, 340 and 1931, 837.

Plans Ready for Vertical Lift Span to Replace Obsolete Bridge

By F. W. Panhorst, Acting Bridge Engineer
California Division of Highways

After many years of waiting it now appears that the narrow, dangerous and unsightly bridge over the Sacramento River at "M" St., the westerly entrance to Sacramento, will soon be replaced by a new and modern structure. The budget of the State Division of Highways for the present biennium includes an item of $433,000 as the State's share for constructing a new bridge. Cooperating with the State, Sacramento county has allotted $100,000 of the county's share of the gas tax from the present fiscal year budget and $133,000 from the next fiscal year budget to be used in conjunction with the State funds for the new bridge.

The present bridge was built in 1910 by the Sacramento Northern Railway Company with financial cooperation from Yolo and Sacramento counties. The railway company secured at that time a 50-year franchise extending to 1960, which has 26 years to run. This bridge, not intended for the heavy highway traffic it now carries, but built primarily for railroad traffic and protected by a 50-year franchise, is to be replaced by a State bridge, built and operated by the State.

Negotiations Necessary

This situation necessitated numerous conferences of State and railroad officials in order to arrive at an agreement satisfactory to both. The position taken by the railroad company was one of cooperation and an agreement satisfactory to both parties has been executed.

It must be remembered that no possible arrangement of tracks and highway could be such as to be entirely satisfactory to both railway and State. Naturally, the railway company would prefer to have a clear crossing not hindered by highway traffic, and the State would prefer a bridge with no railway interference, but neither the railway crossing nor the highway traffic could be eliminated.

It was, of course, suggested that the highway traffic should be carried over the tracks clear of all rail interference. Such a solution was possible, but the cost would be far in excess of available funds and the property damage to "M" street due to the long run-off, as well as many other valid reasons which we will not attempt to enumerate here, made necessary the elimination of such an overhead structure.

At a conference held December 22, attended by the railway company and State officials agreement was finally reached on the type of structure agreeable to both. The Department immediately began final plans and specifications so that actual construction may be started as soon as the hazard of spring high water has passed.

A combination railroad and highway bridge of the vertical lift type will be constructed. The clear width between curbs will be 52 ft. with the railway tracks in the center, vehicular traffic being protected by curbs which allow 13 feet for railway traffic. Two lanes of highway traffic in each direction will be provided with the outside lanes 10 feet in width and the interior lanes 9 feet and 6 inches. Four-foot sidewalks will be placed on each side of the bridge outside of the girders.

All New Piers

Original plans provided for utilizing the present piers but detailed studies have shown that a more economical and satisfactory structure can be secured by building entirely new piers at new locations.

A hearing was held October 18, 1933, before a representative of the War Department and permit has been secured for a clear opening between fenders, for river traffic, of 170 feet and a vertical clearance, with span lifted, of 100 feet above high water. The grade of the bridge will be practically the same as at present with a lift span of 209 feet 6 inches in length flanked by two steel spans one 192 feet 6 inches and the other 165 feet in length.

The vertical lift type of structure was decided upon after considering all other possibilities.

Novel Surfacing Feature

A novel feature of the structure will be the use of light weight concrete for roadway slab and sidewalk. This concrete will weigh but 100 pounds per cubic foot while ordinary concrete weighs 150 pounds. The light weight concrete will give 3000 pounds per square inch compressive strength when 28 days old which is comparable to the heavier concrete now used. The lightness of weight is secured by using a special light weight aggregate.

The value, or economy, of using the light weight concrete is that it materially decreases the dead load on the bridge which in turn permits of smaller sized steel members.

As far as possible, the structure will be given suitable architectural treatment. The State Division of Architecture is cooperating to insure an esthetic structure.

Special attention is being given to the entrance and exit to the bridge in order that a pleasing appearance will be secured. Special attention is also being given to the approach across Frant Street that a smooth street grade will replace the existing rough journey over the various railway tracks.

Temporary Bridge Necessary

During construction of the bridge vehicular traffic will be routed over the "I" Street bridge and rail traffic over a temporary bridge to be built just upstream from the existing "M" Street bridge.

After considering all possibilities of rerouting the rail traffic across the river the most economical solution was to build a temporary bridge using old railroad girders, which are available, supported by timber pile piers, with a temporary movable span to provide for river traffic.

The changes on the "I" Street bridge consisting of improving the sharp kinks by widening the bridge four feet at these points, will be started in the near future so that the work will be completed prior to the award of contract on the "M" Street bridge which will be in April or May of this year after danger of high water is passed.

WAGE SCALE FOR SHASTA BUILDING SET

Supervisors Move To Hasten Start on $100,000 PWA Project

A prevailing wage scale for labor on the new Shasta county hospital to be erected at Redding has been fixed by the county board of supervisors as preliminary to a call for bids to be issued shortly. As soon as final approval is received from the PWA the bid call will be published.

Architect Otto Deichmann, San Francisco, has prepared plans for the building which will cost approximately $100,000. A grant of $25,000 in federal funds has been approved by the PWA.

Following is the wage scale adopted by the county supervisors:

Skilled Laborers	
Carpenter	$5.50
Cement worker	6.00
Bricklayer and tile setter	7.00
Plasterer	7.00
Lather	6.00
Roofer	5.00
Electric worker	6.50
Plumber	7.00
Sheet metal worker	6.00
Housesmith for reinforced concrete steel	7.20
Housesmith for architectural iron work	7.20
Skilled laborer for all other classes of work	5.00
Unskilled	
Hodcarrier	$4.75
Teamsters	4.50
Truck driver (3 tons or less)	4.00
Truck driver (over 3 tons)	4.00
Common laborer	3.00
Unskilled laborer for all other classes	3.00

$5,000 ENGINEERING FUND APPROPRIATED

The San Francisco board of supervisors has voted an appropriation of $5000 to cover preliminary engineering costs on the sewer extensions and high pressure system for which bond issues were authorized in November. The money will be taken from the emergency fund which will be reimbursed when the bonds are sold.

Plans are being prepared under supervision of Director of Public Works William H. Worden.

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states and in the Hawaiian Islands and the Canal Zone since January 1, 1934:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
U. S. Bur. Pub. Roads, Portland	Resurfacing, Pierce Co., Wash.	Joslin and McAllister Co., Spokane	$ 63,702.00	Jan. 18
U. S. Bur. Pub. Roads, Ogden	Bridge, Iron County, Utah	Young & Ogden, Richfield, Utah	$ 12,410.80	Jan. 12
U. S. Bureau of Reclamation	Electric elevators; Spec. 555; Boulder Canyon, Nev.	Haughton El. & Machinery Co., Toledo	$ 20,257.00	Jan. 16
U. S. Bur. Reclamation, Fairfield, Montana	Drainage canals, Teton County, Montana	Morrison - Knudsen Co., Boise, Idaho	$ 72,105.00	Jan. 22
U. S. Bur. Reclamation, Ogden	Hyrum Dam, Cache Co., Utah	J. A. Terteling & Sons Spokane, Wash.	$337,211.00	Jan. 22
U. S. Bureau of Prisons	Revamping jail, Alcatraz Island San Francisco Bay	Stewart Iron Works Co., Cincinnati	$218,703.00	Jan. 6
U. S. Navy Department	Cranes, Mare Island	Lakeside Bridge and Steel Co. Milwaukee	$ 46,454.00	Jan. 2
U. S. Navy Department	Causeway, Mare Island-Vallejo	Barrett and Hilp, San Francisco	$901,700.00	Jan. 11
U. S. Navy Department	Hangars, Coco Solo, C. Z.	H. B. Nelson Const. Co., Atlanta, Ga.	$200,000.00	Jan. 24
U. S. War Dept., Dist. Engineer Seattle	Dredging, Willapa River, Seattle	Puget Sound Bridge & Dredg. Co., Seattle	$ 73,333.00	Jan. 11
U. S. War Dept., Dist. Engineer Portland	Relocating tracks, Bonneville, Oregon	Clifton & Applegate, Spokane, Wash.	$ 40,340.00	Jan. 11
U. S. War Dept., Dist. Engr., Seattle	Gate opening machines, Seattle	Stacy - Schmidt Mfg. Co., York, Pa.	$ 29,975.00	Jan. 15
U. S. War Dept., Dist. Engr., Sacramento	Levee embankment, Sutter Co., Calif.	Haas - Doughty and Jones, S. F.	$ 29,943.90	Jan. 16
U. S. War Dept., Dist. Engr., Portland	Side dam construction, Bonneville, Ore.	Johnson Bros. and E. Anderson, Seattle	$878,305.00	Jan. 20
U. S. War Dept., Const. Q.M.	A.C. gasoline extensions, Hamilton Field	Aqua Systems, Inc., New York City	$ 12,103.00	Jan. 23
U. S. War Dept., Const. Q.M.	Bachelor officers' qtrs., Hamilton Field	San Francisco Const. Co., S. F.	$ 83,800.00	Jan. 24
U. S. Bur. Pub. Roads, Phoenix	Base course, Apache and Navajo Counties, Ariz.	Everly & Allison, Albuquerque, N. M.	$ 82,269.00	Jan. 27
U. S. Bur. Pub. Roads, Portland	Oil macadam, Land and Douglas Counties, Ore.	F. J. Kernan, Falomia, Oregon	$ 78,690.00	Jan. 29
U. S. Bur. Pub. Roads, Portland	3.008 miles grading, Chelan Co., Washington	Lucich & Co., Seattle	$112,093.00	Jan. 27
U. S. War Dept., Const. Q.M.	Warehouse, Ft. Huachuca, Arizona	Garfield Building Co., Tucson, Ariz.	$ 21,400.00	Jan. 8
U. S. War Dept., Const. Q.M.	Motor transport pool, Ft. Huachuca, Ariz.	H. F. Brown, Tucson	$ 14,600.00	Jan. 24
U. S. War Dept., Const. Q.M.	Coal spur, Fort Huachuca	Shannahan Bros., Los Angeles	$ 12,800.00	Jan. 25
U. S. War Dept., Const. Q.M.	Officers qtrs., Hamilton Field	Wm. Spivock, Hobart Bldg., San Francisco	$ 54,900.00	Jan. 5
U. S. War Dept., Const. Q.M.	Ordnance warehouse & chemical storage bldg., Hamilton Field	K. E. Parker Co., San Francisco	$ 34,900.00	Jan. 8
U. S. War Dept., Const. Q.M.	Sprinkling system, March Field	Peterson Bros., Inglewood, Cal.	$ 9,355.00	Jan. 29
U. S. War Dept., Dist. Engr., Portland	Construction camp, Bonneville, Oregon	Geo. Waale Co., Portland	$ 28,717.00	Jan. 29
U. S. War Dept., Const. Q.M.	Gun sheds, Fort Lewis, Wash.	Erickson, Roberts and Johnson, Tacoma	$ 99,630.00	Jan. 19
U. S. War Dept., Const. Q.M.	Coral Runways, France Field, Canal Zone	Tucker McClure, Los Angeles	$ 82,800.00	Jan. 29
U. S. War Dept., Treasury Department	Grading lawn areas, Seattle	Haley, Jussell, Swanson, Seattle	$ 17,995.00	Jan. 25
U. S. Navy Dept., Pub. Works Office, Mare Island	Boilers, Mare Island	Alta Elec. & Mech. Co. San Francisco	$ 25,950.00	Jan. 30

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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
38	Allied	Owner	50000
39	Nelson	Owner	4000
40	Shannan	Owner	5000
41	Shannan	Owner	5000
42	Tivoli	Storeide	1800
43	Zorvich	Coburn	1500
44	Taylor	Owner	3000
45	Rasmussen	Owner	30000
46	San Francisco	Wilhelm	52000
47	Wiley	Coburn	1800
48	Risdon	Risdon	4500
49	Stewart	Owner	1000

ALTERATIONS
(38) SE GEARY AND TAYLOR STS. Alter hotel.
Owner — Allied Properties, Pacific States Bldg. & Loan Co., 745 Market St., San Francisco.
Architect—G. Albert Lansburgh, 140 Montgomery St. $50,000

DWELLING
(39) E 20th AVE. 115 N Ocean Ave.; one - story and basement frame dwelling.
Owner—Fernando Nelson & Son, 2919 19th Ave.
Architect—Not Given. $4000

FLATS
(40) SE GREENWICH and Divisadero; two-story frame flats.
Owner—T. R. Shannan, 3700 Broderick Street.
Architect—Not Given. $5000

FLATS
(41) S GREENWICH 41 E Divisadero; two-story frame flats.
Owner—T. R. Shannan, 3700 Broderick Street.
Architect—Not Given. $5000

ALTERATIONS
(42) 68-70 EDDY ST.; alter restaurant.
Owner—Club Tivoli, Inc., 70 Eddy St.
Architect—Not Given.
Contractor—O. M. Storeide, 4026 California Street. $1800

REPAIRS
(43) 682 MISSION ST.; repair loft.
Owner—N. Zorvich, 2048 Market St.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street. $1500

DWELLING
(44) E URANUS TERRACE 50 N Deming St. Two-story and basement frame dwelling.
Owner—Amy H. Taylor, 79 Uranus Terrace, San Francisco.
Architect—J. C. Lacey, 79 Uranus Terrace, S. F. $3000

APARTMENTS
(45) NE FILLMORE AND BEACH. Three-story and basement frame apartments (39 rooms).
Owner—V. Rasmussen, 1890 Beach St., San Francisco.
Architect—R. R. Irvine, 2048 Market St., San Francisco. $30,000

ALTERATIONS
(46) SE SEVENTH AND HOWARD. Alter recreational and manufacturing building.
Owner—The S. F. Association For The Blind, Premises.
Architect—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—W. A. Wilhelm, 666 Mission St., S. F. $52,000

STOREROOM
(47) N MARKET ST. 174 E Church St. One-story storeroom.
Owner—J. H. Wiley, % 2028 Market St., San Francisco.
Architect—Frank Dakin, 625 Market St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $1800

DWELLING
(48) S MARINA BLVD. 172 W Beach St.; two-story and basement frame dwelling.
Owner—Lillie Risdon, % contractor.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola Drive. $4500

ALTERATIONS
(49) NO. 466 HEAD ST. Alterations to dwelling.
Owner—Leah Stewart, Premises.
Architect—Not Given. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
34	City	Owner	5677
35	MacGregor	Owner	12000
36	Venaglia	Hartnett	1105
37	Hansen	Haulman	4000
38	Arikawa	Owner	1000
39	Hibernia	Muller	1800

ADDITION
(34) NO. 1045 SOLANO ST. ALBANY Addition to City Hall.
Owner—City of Albany.
Architect—Not Given. $5677

STORES
(35) NO. 1389-91-93 SOLANO ST., ALBANY. Two-story stores.
Owner—C. M. MacGregor, 1391 Solano St., Albany.
Architect—Not Given. $12,000

ALTERATIONS
(36) 494 SEVENTH ST., OAKLAND; alterations.
Owner—C. D. Venaglia and A. Tassano, 494 7th St., Oakland.
Architect—Not Given.
Contractor—Hartnett & Moran, 1910 Fruitvale Ave., Oakland. $1105

ICE PLANT
(37) NO. 1925 LAFAYETTE STREET, ALAMEDA. One-story 3-room frame ice plant.
Owner—H. C. Hansen, 3814 35th Ave., Oakland.
Plans by Owner.
Contractor — P. R. Haulman, 1243 Broadway, Alameda. $4000

ALTERATIONS
(38) NO. 5101 E-TWELFTH ST., OAKLAND. Alterations.
Owner—M. Arikawa, Premises.
Architect—Not Given. $1000

ALTERATIONS
(39) NO. 2425 BROADWAY, OAKLAND. Alterations.
Owner—Hibernia Savings & Loan Society, Jones and McAllister Sts., San Francisco.
Architect—Not Given.
Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland. $1800

SAN FRANCISCO UNDER $1000

SIGN, electric, $100; 882 Geary St.; owner, Dr. Wyhow, Prem.; contractor, Novelty Elec. Sign Co., 66 Washburn St.
SIGN, oard, $95; 1900 Van Ness Ave.; owner, Alpha Importing Co., Prem contractor, Skolmen Co., 217 Market St.
ALTER store, $75; 2445 Clement St. owner, Froso Photos, 2445 Clement
SIGN, electric, $200; 945 Market St. owner, Wobber Bros., 412 Jessie contractor, Elec. Products Corp. 255 Golden Gate Ave.
SIGN, electric, $75; 1225 Post St.; owner, G. J. Duffy, 1225 Post St.; contractor, Elec. Products Corp., 255 Golden Gate Ave.

SIGN, electric, $200; 1625 Van Ness Ave.; owner, Earle C. Anthony, Prem.; contractor, Elec. Prods. Corp., 255 Golden Gate Ave.
ALTER store and flats, $900; 5538 Geary St.; owner, U. Dufoureg, 5510 Geary St.
SIGN, electric, $170; 1 Columbus Ave. owner, E. Jacopetti, Prem.; contractor, Novelty Elec. Sign Co., 66 Washburn St.
FENCE, $10; 163 Edinburgh St.; owner, Blanche Harris, Premises.
SIGN, wood, $15; 1067 Grant Ave.; owner, Pow Sang & Co., Premises.
SIGN, electric, $250; 178 3rd St.; owner, American Tavern, Premises; contractor, Elec. Prods. Corp., 178 Third St
ALTER apartments, $150; 1413 Eddy St.; owner, Ella Elvin, 1431 Eddy.
SIGN, electric, $100; 900 Eddy St.; owner, W. J. Jonas, 900 Eddy St.; contractor, American Elec. Sign Co., 1740 Eddy St.
ALTER walls of store, $100; 2712 Mission St.; owner, S. H. Kress, 114 5th St., New York City; contractor, Dinwiddie Constr. Co.; Crocker Bldg.

ALAMEDA COUNTY UNDER $1000

ADDITION, $65; 5404 Foothill Blvd.; Oakland; owner, Mrs. M. H. Knoke Premises.
STORAGE box, one-story, $300; 5300 Claremont Ave., Oakland; owner, C. W. Hickman, Premises.
REPAIRS, $100; 581 Rosal Ave., Oakland; owner, Mrs. Laura Howard, Red Bluff; contractor, Ben F. Kopf 845 Pacific Ave., Alameda.
ALTER for garage, $25; 4807 Webster St., Oakland; owner, Ray Gattl, 4807 Webster St.
SIGN, electric, $150; 1728 Broadway, Oakland; owner, Chas. Riskin; contractor, Imp Elec. Sign Co., 2228 Myrtle St.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

13 De Barbieri Murer 21250

APARTMENTS
(13) E POWELL ST. 37-3 S Greenwich St. All work for three-story and basement frame apartments.
Owner—Angelo and Amasilia De Barbieri, 673 Greenwich St., San Francisco.
Architect—Not Given.
Contractor—L. Murer, 1815 Mason St., San Francisco.
Filed Jan. 29, '34. Dated Jan. 29, '34.
Foundations and reinforcement made $3984.37
Roof on 3984.38
Entire dwelling brown coated 3984.37
Completed and accepted..... 3984.38
Usual 35 days..... 5312.50
TOTAL COST, $21,250.00
Bond, $10,625. Surety, United States Fidelity & Guaranty Co. of Baltimore, Maryland. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

Harry E. Drake, 3855 California St., San Francisco.
William Spivock, Hobart Bldg., San Francisco.
Soule Steel Co., 1750 Army St., San Francisco.
Concrete Engr. Co., 1450 Mirasol St. Los Angeles.
K. E. Parker Co., 135 South Park, San Francisco.
Fire Protection Products Co., 1101 16th St., San Francisco.
Scott Co., 243 Minna St., San Francisco.
Anderson & Ringrose, 320 Market St. San Francisco.
H. L. Petersen, 731 Treat Ave., San Francisco.
Wm. J. Forster, 355 Fourth St., San Francisco.
W. Olson & Sons, Petaluma.
Richmond Sheet Metal Works, Richmond.
Mangrum - Holbrook Co., 1235 Mission St., San Francisco.
Crane Co., 301 Brannan St., San Francisco.
Edgar W. Anderson, 3103 San Pablo Ave., Oakland.
Schuler & McDonald, 1723 Webster St., Oakland.

Plans are on file in the office of the Daily Pacific Builder and may be inspected by those interested.

CONTRACT AWARDED

HONOLULU, T. H.—Berger Mfg. Co., at $1116.13 awarded contract by Treasury Supply Division, for metal shelving for the Post Office at Honolulu, T. H.

BIDS OPENED

SAN FRANCISCO—Thos. M. Jones, 643 29th Ave., at $1687 submitted low bid to Mr. Newman's Office, Post Office Bldg., San Francisco, for metal protection partitions in the main entrance of the mint at Fifth and Mission Streets. Following bids received:

Thomas M. Jones	$1687
Monarch Iron Works	2000
E. W. Yount	2383
Herman Safe Company	2572
Patterson & Koster Iron Wks.	2983
West Coast Wire & Iron Works	2985

Bids referred to Washington for award.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —E. G. Jackson, 920 Fourth St., San Rafael, at $2742 (item a) and $2647 (item b) submitted low bid to the Post Quartermaster, Hamilton Field, for construction of porch enclosures for twelve types "A" and "B" commissioned officers' quarters buildings Nos. 113, 115, 117, 119, 121, 123, 125, 127, 129 131, 133 and 135. Following bids received:

(a) Work complete removing old materials.
(b) Work complete; government removing materials.

E. G. Jackson, San Rafael	(a)	$2742
	(b)	2647
Frank J. Reilly, S. F.	(a)	$3081
	(b)	2981
A. H. Siemer, San Anselmo	(a)	$3297
	(b)	3227
Robert E. McKee, L. A.	(a)	$3322
	(b)	3174
George Smith, San Rafael	(a)	$4125
	(b)	3975

Bids held under advisement.

BIDS WANTED.

SAN FRANCISCO.—Until 2 P. M., February 8, bids will be received by the Treasury Department, Office of the Supervising Architect, Washington, D. C., for plaster models for the new Federal office building under construction in San Francisco. No deposit required for plans.

BIDS WANTED

WEISER, Idaho—Until February 8, 2. P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for insect screens in the U. S. Post Office at Weiser, Idaho. Specifications may be obtained from the Custodian of the Building or at the office of the Supervising Architect, Washington, D. C.

HAMILTON FIELD, Marin Co., Cal. —San Francisco Const. 3159 Fillmore St., San Francisco, is taking sub-bids on lathing, plastering, stucco work, excavation and grading for the bachelor officers' quarters at Hamilton Field. Cost, $83,800.

SITE SELECTED.

MONTESANO, Wash.—U. S. Treasury Department purchased a site on the Southwest corner of Pioneer Ave. and First Street, Montesana, for the proposed new U. S. post office. Site is 100x125 feet.

SITE SELECTED.

HUNTINGTON BEACH, Orange Co. Cal.—U. S. Treasury Department has selected a site at the northeast corner of Main and Olive Ave., Huntington Beach, for the proposed new post office building; site is 175x117 feet.

Heating and Plumbing Contracts Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
James R. Purcell, Room 1707, William Taylor Hotel, is in charge of construction.
Heating—James A. Nelson, 10th and Howard Sts., San Francisco.
Plumbing—Anderson & Rowe, 45 Belcher St., San Francisco.

BIDS WANTED

NAMPA, Idaho—Until February 8, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office at Nampa. Specifications may be obtained at above office or from the Custodian of the building at Nampa.

ADDITIONAL PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following are additional contractors who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 28 for steel frame building with asbestos covered metal roofing and siding, concrete foundations; steam generating plant, consisting of two 150-hp. cross-drum watertube boilers, brick settings and complete oil and water heating and pumping equipment, piping and electrical work, steel stack and oil storage tank at the Naval Fleet Air Base, Pearl Harbor, T. H. Spec. No. 7438:

Dayton Dredging Co., Second and York Sts., Quincy, Ill.
T. G. Eagan Refactory Co., Inc., 70 Kane St., Brooklyn.
Thos. L. Dawson Co., 2035 Washington St., Kansas City.
Industrial Piping & Engineering Co., 1619 Court Square Bldg., Baltimore.
Combustion Engineering Co., Inc., 200 Madison Ave., New York City.
Blake Palm Electric Corp., 1915 E St., N. W. Washington, D. C.

PLANNED

LOS ANGELES, Cal.—Reports from Treasury and Post Office Department officials at Washington, indicate that a decision will be reached within a few weeks regarding the new Federal office building and the postal distributing building to be erected in Los Angles. The delay of the Federal office building project is said to be due to contemplated changes to the plans, while the postal distributing building has been delayed by uncertainty over construction of the union station, which it will adjoin. Plans for the Federal building were completed some weeks ago by Architects John C. Austin and Frederick M Ashley and John and Donald E. Parkinson. The postal building has not yet reached the plan stage.

ADDITIONAL PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following are additional contractors who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 8 for the construction of quarters at Pearl Harbor, T. H. Spec. No. 7526.

Libby & Libby Co., 244 Second Ave., Minneapolis, Minn.
York Ice Machinery Corp., 42nd St. and Second Ave., Brooklyn.

BIDS OPENED.

SAN FRANCISCO. — Chas. Terranova, 1212 Willard St., at $4,395 submitted low bid to the Constructing Quartermaster, Fort Mason, for plastering basement and installing quarry tile on roof of porte cochere, etc., of buildings Nos. 19 and 61 at the Letterman General Hospital, Presidio. Following bids received:

(1) work complete;
(2) three coats of Portland cement plaster, per sq. yd.;
(3) quarry tile, per sq. yd.

Chas. Terranova	(1)	$4,395.00
	(2)	.80
	(3)	.55
John Folan	(1)	$4,488.00
	(2)	.90
	(3)	.60
John Shimmon	(1)	$4,653.00
	(2)	.90
	(3)	.60
San Francisco Const. Co.	(1)	$4,698.00
	(2)	.80
	(3)	.70
Leonard Bosch	(1)	$4,700.00
	(2)	.85
	(3)	.50
James F. Smith	(1)	$4,795.00
	(2)	.75
	(3)	.60
A. W. Cordes	(1)	$5,296.00
	(2)	1.00
	(3)	.50
MacGruer & Company	(1)	$5,313.00
	(2)	.80
	(3)	.45
Robert McCarthy	(1)	$5,480.00
	(2)	.90
	(3)	.42
Herman Bosch	(1)	$5,880.00
	(2)	1.25
	(3)	.35
A. Knowles	(1)	$5,933.00
	(2)	.50
	(3)	.50
M. J. King	(1)	$5,947.00
	(2)	.70
	(3)	.55

Bids held under advisement.

BIDS WANTED.

SAN PEDRO, Los Angeles Co., Cal. —Until February 12, 11 A. M., bids will be received by Public Works Officers, 11th Naval District, foot of Broadway, San Diego, for repairs to float at the 11th Naval District (22nd St. landing), San Pedro.

The work consists of making repairs to an existing wood float 12 ft. wide and 50 ft. long, located at 22nd St., Navy Landing, San Pedro. Repairs include removal, the transporting and docking of the float in prep-

aration of making repairs; the provision of new materials for and installing of bottom planks, side and end fenders ,tarred sheathing felt and redwood sheathing on sides, ends and bottom of float; also the provision of miscellaneous hardware and incidental materials and work necessary for making the repairs and reinstalling of the float in its present position.

Specification No. 7617. Plans and specifications available from the above office upon deposit of $10.00.

COMPLETE BID LISTING.

SAN FRANCISCO. — As previously reported, James C. Dempsey, Savings Fund Bldg., Philadelphia, at $.19 per ton, submitted low bid to Treasury Department for field inspection of structural steel work for the Federal Office Bldg., San Francisco.

Following bids received:

	Per ton
Jas. C. Dempsey, Philadelphia	$.19
H. C. Nutting Co., Elwood Place Station, Cleveland	.27
E. H. Frisell, Oakland	.30
Patzig Testing Laboratories, Plainfield, N. J.	.30
Heller Testing Laboratories, Plainfield, N. J.	.30
Harry C. Stalley, Cleveland Hgths. Ohio	.33
Robt. W. Hunt Co., S. F.	.45
J. W. Bailey, Pittsburgh	.48
A. A. Hanks, Inc., San Francisco	.50
Southwestern Laboratories, Fort Worth, Texas	.50
Geo. A. York, Floral Park, N. J.	.50
Hildrith & Co., Inc., New York City	.55

Bids held under advisement.

BIDS OPENED.

SACRAMENTO, Cal.—A. Frederick Anderson, 5322 J St., Sacramento, at $975 submitted low bid to the Custodian, U. S. Post Office, for miscellaneous changes in the U. S. post office and court house in Sacramento. Work involves expansion joint in concrete and alterations to doors, etc. Only other bid was submitted by Holdener Const. Co., Sacramento, at $1,435.00.

BIDS OPENED.

FORT LEWIS, Washington—Following bids received by the Constructing Quartermaster, Fort Lewis, foor the construction of one chapel, one fire and guard house and one ordnance repair shop at Fort Lewis, Wash.:

Chapel

J. W. Bailey & Co.	$83,000
Ward Engineering Co.	83,564
Edward Wright	84,450
West Coast Constr. Co.	89,000
Boyer & Son & Co.	90,000
Peter Gjarde	96,500
Peter Hanson	102,626

Ordnance Repair Shop

Howard Wright	$57,940
J. W. Bailey	59,317
Hedeen Constr. Co.	59,968
West Coast Constr. Co.	60,398
A. F. Mowat	62,000
Neil McDonald	62,948
Peter Gjarde	63,496
George Lohrer	69,500

Fire Station and Guard House

J. W. Bailey & Co.	$41,775
West Coast Constr. Co.	42,480
A. F. Mowat	44,678
William Wills	44,813
Peter Gjarde	45,396
Howard Wright	45,451
H. Boyer Son & Co.	45,500
Neil McDonald	45,500
Gustafson & Olson	45,763
Peter Hanson	49,286

Bids held under advisement.

8— CLUB BUILDINGS

Preliminary Figures To Be Taken Within One Week.

ADDITION Cost, $40,000
SAN FRANCISCO. California and Mason Streets.
One-story steel and concrete addition to club building for card room.
Owner—Pacific Union Club, Premises.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg. San Francisco.

BIDS WANTED.

SAN GABRIEL, Los Angeles Co., Cal.—Architect Scott Quintin, 418 N California St., San Gabriel, is taking bids on electric wiring, plumbing and heating for a clubhouse to be built on Las Tunas Ave., San Gabriel, for the San Gabriel Country Club. The structure will be 260 ft. long, including a portion of the old building which will be used. It will contain ladies' and men's showers and locker rooms, lounge, game rooms, dining room, offices, etc. Construction will be frame and stucco, shake roofing, hardwood and cement floors, beam ceilings, knotty pine trim, circulating hot water heating system, etc.

PLANNED

LIVINGSTON, Merced Co., Cal.—The Livingston, Veterans of Foreign Wars and Auxiliary purchased the town hall in Livingston recently and are planning to improve the interior and exterior for a club house. W. D. Crosby is in charge of the improvements.

Sub-Contracts Awarded.

ALTERATIONS Cost, $——
SAN FRANCISCO. No. 465 California Street.
Alterations in Merchants' Exchange Building for club rooms.
Owner—Commercial Club, 465 California St., San Francisco.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Contractor—Mullen Manufacturing Co. 64 Rausch St., San Francisco.
Plastering—Ernest Shaw, 219 Richland Ave., San Francisco.
Bar Equipment—United Soda Fountain Co., 369 Ellis St., S. F.

Plans Being Prepared.

REMODEL CLUBHOUSE Cost, $7000
VALLEJO, Solano Co., Cal. Vallejo golf links.
Remodel frame clubhouse.
Owner—Vallejo Golf Club (Harry Smith, president) Vallejo.
Architect—Fred. H. Reimers, 233 Post St., San Francisco.

To Ask Bids Shortly.

REMODEL HALL Cost, $——
TURLOCK, Stanislaus Co., Cal. Center Street.
Remodel 2-story building for Legion hall (work involves hardwood flooring, new roof, carpentry work, interior decorating, etc.
Owner—American Legion, Rex Ish Post No. 88, Turlock(L. W. Boies in charge).
Architect—Not Given.
L. W. Terrell, Turlock, will be in charge of asking bids.

9— HOSPITALS

CONTRACT AWARDED

AGNEW, Santa Clara Co., Cal.—Anchor Post Fence Co., 460 Fifth St., San Francisco, at $1375 awarded contract by the State Purchasing Department for wire guard rails and screens to be installed at the Agnew State Hospital.

Preparing Working Drawings.

WOMEN'S BLDG. Cost. $20,000
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement concrete and brick addition to women's building at County Hospital.
Owner—County of Sacramento.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Bids will be asked in about six weeks.

Plans Being Prepared.

CLINIC Cost, $10,000
CARMEL, Monterey Co., Cal.
One-story concrete and tile clinic.
Owner—Grace Deere Velie Metabolic Clinic, Carmel (Dr. R. A. Koeher, Director).
Architect—Guy Koepp, Carmel Woods. Carmel.
Bids will be asked about March 1.

PLANNED.

SAN DIEGO, Calif.—San Diego Society for Crippled Children; E. K. Cormack, president, 4778 Hamilton St., San Diego, contemplates erecting a children's hospital at 350 S. 36th St., San Diego. A swimming pool will be constructed on the site first and the hospital building erected later.

10— HOTELS

Jaunary, 27, 1934

REVISING PLANS

LONG BEACH, Los Angeles Co., Cal.—Architect Clifford A. Balch, 1914 S. Vermont Ave., Los Angeles, is revising plans for repairing a four-story, brick and steel hotel building and a theatre building at 313 E. Ocean Blvd., Long Beach, for the Ocean Boulevard Co. The work will include the installation of concrete bond beams and earthquake damage repairs.

10

Contract Awarded.

REMODEL HOTEL Cost, $——
SAN FRANCISCO. Geary and Taylor Streets.
Extensive remodeling to hotel (new furnishings, plumbing, mechanical equipment, etc.)
Owner—Allied Properties (Clift Hotel), Allan Pollack, Manager.
Architect—G. Albert Lansburgh, 140 New Montgomery St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

11—ICE AND COLD STORAGE PLANTS

Sub-Contracts Awarded.

ICE PLANT Cost, $5000
ALAMEDA, Alameda Co., Calif. 1925 Lafayette Street.
One-story frame ice plant (3 rooms).
Owner—H. C. Hansen, 3814 35th Ave., Oakland.
Plans by Owner.
Contractor—P. R. Haulman, 1243 Broadway, Oakland.
Concrete—R. Scaramelli, 916 Broadway Alameda.
Lumber—Scammell Lumber Co., foot of 9th Ave., Oakland.
Electric—Kerr & Clifford, 3626 E 14th St., Oakland.
Sash & Doors—Western Sash & Door Co., 5th and Cypress, Oakland.
Refrigeration—Baker Ice Machine Co., 2459 E 14th St., Oakland.

12— POWER PLANTS

CONTRACT AWARDED

SAN FRANCISCO—F. W. Snook, 596 Clay St., at $92,744 awarded contract by Department of Public Works for alterations and additions to the steam generator plant at the Laguna Honda Home. Work involves:

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Contract Awarded.
APARTMENTS Cost, $21,250
SAN FRANCISCO. E Powell St. & Greenwich St.
Three-story and basement frame and stucco apartment building.
Owner—Angelo and Amcisilia De Barbieri, 673 Greenwich St., S. F.
Architect—Not Given.
Contractor—L. Murer, 1815 Mason St., San Francisco.

Sub-Bids Being Taken.
APARTMENTS Cost, $——
SAN FRANCISCO—Cabrillo St. and Forty-fourth Avenue.
Three-story frame and stucco apartment building (8 3-room apts.); steam heating system, electric refrigeration, wrought iron, brick work, hardwood floors, etc.
Owner—H. E. Schlinger, Room 207, 510 Battery St., San Francisco.
Plans by Owner.
Sub-bids are wanted on mill work, foundation, brick work, carpentry, plastering, plumbing, electrical work, steam heating system, refrigerating, roofing, painting, wrought iron, hardware and fire escapes.

Sub-Bids Being Taken.
APARTMENTS Cost, $40,000
SAN FRANCISCO. NE Fillmore and Beach Streets.
Three-story and basement frame and stucco apartments (15 2- and 3-room apts.); composition and tile roof, steam heating system, structural steel, separate showers with plate glass doors, canvas walls, etc.
Owner and Builder—Viggo Rasmussen, 1890 Beach St., San Francisco.
Architect—R. R. Irvine, 2048 Market St., San Francisco.

2— BONDS

BIDS WANTED
VENTURA COUNTY, Cal.—Until February 16, 10 A. M., bids will be received by the Ventura County Supervisors, for the purchase of bonds of the Fillmore Union Grammar School District of the par value of $7500. L. E. Hallewell, County Clerk.

3— CHURCHES

Preliminary Plans Completed.
CHURCH Cost, $——
VALLEJO, Solano Co., Cal. Florida and Napa Streets.
One-story and basement frame and stucco church (50x20 ft.) Spanish style of architecture; social hall in basement.
Owner—Vallejo Lutheran Church (Rev. Waldemar Menzel, Pastor).
Architect — George P. Simonds, 261 Main St., Hayward.

COMPLETING PLANS
LONG BEACH, L. A. Co., Calif.—Architect Kenneth S. Wing, 501 Termino Ave., Long Beach, is completing plans and will take bids from a closed selected list of contractors for a church building to be built in Long Beach for a client. It will contain classrooms, auditorium to seat 360 people, banquet room and office. Construction will be frame and stucco, tile and composition roofing, cement and wood floors, wood sash, art glass, gas heating, etc. Further information will not be available from the architect at this time.

4— FACTORIES & WAREHOUSES

PLANNED
SAN DIEGO, Cal.—H. O. Duerr, 2354 First St., San Diego, has been granted a tidelands lease by the San Diego City Council for a rubbish disposal plant. Under the agreement Duerr is to complete his plant within 90 days after signing the lease.

PLANNED.
SAN DIEGO, Calif.—California officials have requested a long-term lease on waterfront property in San Diego as the site for a highway maintenance station the State proposes erecting in San Diego. The station will cost approximately $45,000. Tentative plans have been prepared by State Architect Geo. B. McDougall, Public Works Bldg., Sacramento.

AWARD.
SAN DIEGO, Cal.—Earl W. Hartung, 2639 University Ave., San Diego, has been awarded a contract for the construction of an addition to a brewery at Main and Sampson Sts., San Diego, for the Aztec Brewing Co., 2301 Main St., San Diego. The addition will be a reinforced concrete structure and will house 56 1000-barrel concrete tanks. Estimated cost of the improvement, including refrigeration, bottling and other equipment, is $300,000. Chester Kirkpatrick, engineer for the brewery, designed the new building and will supervise construction.

Superstructure Contract Awarded.
BREWERY Cost, $250,000
SAN FRANCISCO. Tenth and Bryant Streets.
Stock house, bottling house and enlarging present brewery (Class A steel, concrete and brick construction).
Owner—Milwaukee Brewing Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco, at $65,000.
As previously reported, Cahill Bros. awarded contract for the foundations.

Contract Awarded.
OIL TERMINAL Cost, $50,000
STOCKTON, San Joaquin Co., Cal. Rough and Ready Island.
Steel oil terminal, dock, storage tank, 55,000 barrel capacity; office building, etc.
Owner — George H. Corse et al, 405 Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Chicago Bridge & Iron Works, 116 New Montgomery St., San Francisco.
Construction will be started within a week.

Planned.
DISTRIBUTING PLANT Cost, $——
CALIFORNIA. Site Not Yet Selected
Construct new wholesale general distributing plant (type of construction not determined).
Owner—John Mason, Inc., 831 Grand Ave., San Rafael.
Architect—Not Selected.
A site will be selected in the near future in the East Bay District, San Francisco or Daly City. A fiv-acre site will be needed.

Contract Awarded.
STOREROOM Cost, $2000
SAN FRANCISCO. N Market St. 174 E Church St.
One-story storeroom.
Owner—J. H. Wiley, 2028 Market St., San Francisco.
Architect—F. W. Dakin, 625 Market St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.

CONTRACT AWARDED.
BURBANK, Los Angeles Co., Cal.—Bernard Lindberg, 8636 Olympic Blvd. Los Angeles, awarded contract for the construction of a distillery building and a tower at 3112 W San Fernando Road, Burbank, for the Three G Distillery, Dan Greenberg, president, 5335 Melrose Ave., Los Angeles. The distillery building will be a wood frame and corrugated iron structure, 50x110 ft. in area, and the tower will be a steel structure, 15x26 ft. in area and 75 ft. high. Work will be started this week. Mr. Lindberg has a blending plant building under construction on the site for the same owner. Future structures for the plant include a malt plant and warehouses. Arlos R. Sedgley, 910 N Serrano Ave., Los Angeles, architect.

Contract Awarded.
WINERY Cost, $15,000
LOS GATOS, Santa Clara Co., Cal. Los Gatos Novitiate.
Two-story concrete winery (50x60 ft.) concrete floors and roof, new equipment, etc.
Owner—Sacred Heart Novitiate, Los Gatos.
Architect—Not Given.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.
New structure will replace building destroyed by fire January 27.

SUB-CONTRACTS AWARDED.
OAKLAND, Calif.—H. F. J. Sattln, 2525 Hillegass St., Berkeley, awarded the following sub-contracts for the construction of a corrugated iron and heavy timber mixing plant (30x40 ft.) and silo on the Clinton Const. Co. dock on the shore of Yerba Buena Island, for the Henry J. Kaiser Co., Latham Square Bldg., Oakland, contractors for lining tunnel for the San Francisco-Oakland Bay Bridge:
Miscellaneous Steel—Judson Pacific Co. foot of Park St., Emeryville.
Electric—West Coast Electric Works, 160 10th St., San Francisco.
Conveyors and Elevators—Link Belt Co., 400 Paul Ave., San Francisco.

PLANS BEING PREPARED
MESA, Arizona—C. H. McKellips, owner of McKellips citrus groves, Phoenix, is having plans prepared for a wood frame and galvanized iron

citrus fruit packing plant (120x150 ft.) on Fourth Ave. and Mesa Drf., Mesa, Arizona.

5— FLATS

Plans Being Figured.

FLATS Cost, $——
SAN FRANCISCO. Marina District.
Two-story and basement frame and stucco flats (1 8 room and 1 7 room flat, 2 baths each) tile and composition roof, gas-fired steam heating system, canvas walls, tiled baths, hardwood floors, beamed ceilings, etc.
Owner—Withheld.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Bids are being taken from a selected list of contractors.

FLATS Cost, $5000 each
SAN FRANCISCO. Greenwich St. E Divisadero St.
Two two-story and basement frame and stucco flats.
Owner and Builder—T. R. Shannan, 3700 Broderick St. San Francisco.
Architect—Not Given.

6—GARAGES & SERVICE STATIONS

PLANNED

CULVER CITY, Los Angeles Co., Cal.—City of Culver City has purchased a 2½-acre tract at Duquesne and Jefferson Sts., Culver City, and will improve the site with a bus garage and a paved area.

7—FEDERAL BUILDING

EQUIPMENT APPROVED.

TECATE, San Diego Co., Calif.—Treasury Department approved the following equipment bids for the inspection station at Tecate, Associated Constructors, Los Angeles, general contractors:

Indirect water heater, Excelso Prod. Co.; pressure reducing valve on water supply, H. Mueller Mfg. Co.; well pump, Deming Co.; electric hot water heater, Edison General Elec. Appliance Co.; sump pump, Deming Co.; air valves for radiators and for end of steam mains, American Radiator Co.; compressor, Curtis Pneumatic Mchy Co.; fittings, Grebler Mfg. Co.; brass pipe, Bridgeport Brass Co.; gas valves Kennedy Valve Co.; fan hangars, Frank Adams Elec. Co.; lighting distributing panel, feeder panels and external operated switches, Diamond El. Co.; r.c. wire, General Elec. Co.; rigid iron conduit, National Elec. Products Corp.; outlet and switch boxes, Steel & Tubes; flush switches and receptacles, Pass & Seymour; glassware, Macbeth-Evans Co.; lighting fixtures, Perfeclite Co.

TO ASK BIDS.

EDIZ HOOK, Wash.—Bids will be asked within a few days by the Coast Guard Office, Seattle, for the construction of a coast guard seaplane base at Ediz Hook, Port Angeles. Work includes construction of a radio buildings, barracks and hangar. Capt. H. D. Hinckley, Commandant, Seattle.

SUB-BIDS WANTED

PEARL HARBOR, T. H.—Arie City Iron Works, 1816 W. 57th St., Los Angeles, desires sub-contract bids to be incorporated in a general bid to be submitted to the Bureau of Yards and Docks on February 28 for constructing a power plant at the Naval Fleet Air Base, Pearl Harbor, T. H.; Spec. 7438. Bids ares wanted on boilers, electrical work, pumps, piling, structural steel, piping, steel building and steel stack.

BIDS WANTED

CALEXICO, Imperial Co., Cal.—Until February 7, bids will be received by the Treasury Supply Division, Washington, D. C., for venetian blinds for the U. S. Post Office at Calexico. Proposal No. 3809.

CONTRACT AWARDED

OREGON CITY, Oregon—Jamestown Metal Equipment Co. at $132.61 awarded contract by Supply Division, Treasury Department, Washington, D. C., for metal shelving for the U. S. Post Office in Oregon City, Oregon.

BIDS OPENED.

ALBROOK FIELD, C. Z.—Bennett & Taylor, 1978 S Los Angeles St., Los Angeles, at $77,410 (item A) and $74,130 (item B) submitted only bid to the Constructing Quartermaster, Fort Mason, San Francisco, for the construction of a hydraulic gasoline fueling system at Albrook Field. Bid held under advisement.

PROSPECTIVE BIDDERS.

EDIZ HOOK, Wash.—The following have procured plans for the purpose of submitting bids to the U. S. Coast Guard, Washington, D. C., on Feb. 14, for the construction of a brick radio building, 24x16 ft., with concrete foundations, electric lights, water supply system, heating, plumbing and sanitary system at the Coast Guard Air Station, Ediz Hook:

Wm. Willis, 1529 8th Ave., West Seattle.

C. Ted Brady & Co., 6242 36th St., Seattle.

A. Del Guzzo, 2702 W Ida St., Seattle.

E. G. Peters, 1100 7th Ave., Seattle.

E. C. Gwinn, 515 Central Bldg., Seattle.

Granite and Electrical Contracts Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
James R. Purcell, Room 1707, William Taylor Hotel, is in charge of construction.
Granite—Kingsland Granite Company, Clovis.
Electric—Miller Electric Co., Detroit, Michigan.
Other awards previously reported.

CONTRACT AWARDED.

SAN FRANCISCO—Jamestown Metal Equipment Co. at $31.80 awarded contract by Supply Division, Treasury Department, for metal shelving for the U. S. post office in San Francisco. Proposal No. 3101.

BIDS OPENED.

SAN FRANCISCO.—Penn Metal Co., at $790.95 submitted low bid to the Treasury Supply Division, Washington, D. C., for metal shelving for the U. S. post office in San Francisco. Following bids received:

Penn Metal Co.	$ 790.95
Worley & Co.	1,096.40
DeLuxe Metal Furniture Co.	1,178.42
Globe-Wernicke Co.	1,446.70
Metal Office Furniture Co.	1,717.26

Bids held under advisement.

Bids Opened.

BUILDINGS Cost, $——
ALBROOK FIELD, Canal Zone.
Construct fire house, guard house, dispensary, garage, warehouse, and headquarters and operations bldg.
Owner—United States Government.
Plans by Constructing Quartermaster, Albrook Field, Canal Zone.
Following bids received:
Novey and Luttrell, P. O. Box 488, Ancon, C. Z., (1) $234,232; deduct (2) $68,655.
Grebien & Martinez, Box 697, Panama City, C. Z., (1) $234,560; deduct (2) $73,882; alternate, deduct, $71,435.
Bids held under advisement.

CONTRACT AWARDED

EL CENTRO, Imperial Co., Cal.—Worley & Co., 39 Natoma St., San Francisco, at $304.63 awarded contract by Treasury Supply Division Washington, D. C., for metal shelving for the U. S. Post Office at El Centro.

BIDS WANTED

FORT LEWIS, Wash.—Until Feb 10, 11 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for the construction of two stables at For Lewis, Wash. One structure will be 390 feet long and 35 feet wide and one will be 100 feet long and 35 feet wide, of brick and steel construction, steel roof trusses, tile roofing, concrete floors, metal sash etc.

Plans and specifications available from above office upon deposit of $15.

Prospective Bidders.

SAN FRANCISCO—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on February 8 for plaster models for the new Federal Office Building in San Francisco:

Paul E. Danivelle, 548 7th St., San Francisco.

Washington Ornamental Co., 1312 13tha St., N. W., Washington, D. C.

BIDS WANTED

SUMMIT Canal Zone and Lualualei, Oahu—Until February 14, 11 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for 300-foot and 600-foot steel radio towers at the Naval Radio Stations, Summit, Canal Zone, and Lualualei, Ohau, T. H. Specification No. 7524. Plans and specifications available from above office and from Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, upon deposit of $25.

BIDS WANTED

ALAMEDA, Cal.—Until February 13, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office, Alameda. Specifications available from above office and from the Custodian of the Building, Alameda.

PROSPECTIVE BIDDERS.

HAMILTON FIELD, Marin Co., Cal.—Following have procured plans for the purpose of submitting bids to the Constructing Quartermaster, Hamilton Field on February 5, 11 A. M. for the construction of seven two-story company officers' quarters at Hamilton Field. Buildings will have hollow tile walls and tile roof:

San Francisco Const. Co., 3159 Fillmore St., San Francisco.

Meyer Const. Co., 735 Portola Dr., San Francisco.

Young & Horstmeyer, 461 Market St., San Francisco.

W. J. Thompson, 336 Church Street, San Francisco.

Dunham, Carrigan & Hayden, Kansas and Division Sts., San Francisco.

Azevedo & Sarmento, 920 O Street, Sacramento.

Carpenter & Mendenhall, 907 Front St., Sacramento.

J. A. Fazio, 402 Castro St., Oakland.

Palace Hardware Co., 581 Market St., San Francisco.

stucco residence (11 rooms and 4 baths) tile roof, warm air heating system, canvas walls, hardwood floors, tiled baths, etc.
Owner—Fred. B. Moss.
Architect—Farr & Ward, 68 Post St.
Bids are being taken from a selected list of contractors.

Sub-Contracts Awarded.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Calif.
150 Southwood Drive.
Two - story and basement frame and stucco residence.
Owner—Palo Alto Land Company.
Architect—Not Given.
Contractor—Aro & Okerman, Box 433, Palo Alto.
Concrete—Joe Emma and C. Bivonia, Menlo Park.
Mill Work—Minton Lbr. Co., Mountain View.
Painting—O. R. North, Palo Alto.
Plastering—E. Gardner, Menlo Park.
Plumbing—Wallace & Stump, Mountain View.
Heating and Tinning—Standard Sheet Metal Works, Palo Alto.
Lumber—Merner Lbr. Co., Palo Alto.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Screens—Arthur Metal Products Co., 831 Howard St., San Francisco.
Driveway—Nels Johnson, Palo Alto.
Brick Work—C. Mezzapelle, Palo Alto

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. E Uranus Terrace 50 N Deming Street.
Two - story and basement frame and stucco residence.
Owner — Amy H. Taylor, 79 Uranus Terrace.
Plans by J. C. Lacey, 79 Uranus Terrace.

Plans Being Completed.
RESIDENCE Cost, $30,000
BEVERLY HILLS, Los Angeles Co., Calif.
Two - story and basement frame and brick veneer residence (12 rooms and 5 baths) unit gas heating system, hardwood floors and trim, tiled baths, etc.
Owner—Mrs. Floyd Bekins.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Bids will be asked in about 10 days.

PREPARING PLANS
SANTA BARBARA, Cal.—Architect and Engineer Edwards & Plunkett, 20 E. Figueroa St., Santa Barbbara, are preparing plans for a residence to be erected in Hope ranch, Santa Barbara, for Clarence B. Mitchell. Construction is scheduled to start the first week in March.

Plans Being Prepared.
RESIDENCE Cost, $——
SANTA BARBARA, Santa Barbara Co., Cal. Hope Ranch.
Construction of new residence.
Owner—Clarence B. Mitchell, 117 De la Guerra Studios, Santa Barbara.
Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.

15— SCHOOLS

BOND ELECTION
LOS ANGELES, Cal.—Los Angeles Board of Education has called an election for March 20 at which time a bond issue, the amount as yet undetermined, will be submitted for the rehabilitation of Los Angeles Public Schools. Superintendent Bouelle was ordered to prepare a list of the projects to be undertaken and to make an estimate of their cost. From this total will be deducted the amount of money now on hand or promised and the remainder will represent the amount of the bond issue. It was indicated by the board that the bond issue will probably be for approximately $20,000,000, although if a government grant of 30 per cent is received this amount may be reduced to about $15,000,000. The board has not yet made a decision as to what type of buildings will be constructed or what undamaged structures will or will not be used.

BOND ELECTION
COLTON, San Bernardino Co., Cal.—Colton School District has called an election for February 26 at which time it is proposed to vote bonds in the sum of $25,000 to finance the erection of a new elementary school building in East Colton.

Plans Being Prepared.
SCHOOL Cost, $75,000
SHAFTER, Kern Co., Calif.
Reinforced concrete school building.
Owner—Shafter School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
A bond election will be held in about 30 days to finance construction. Public Works Administration has approved a loan of $70,000.

Plans Being Prepared.
SCHOOL Cost, $12,000
TAFT, Kern Co., Cal.
One-story school building.
Owner—Taft School District.
Architect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.

BONDS DEFEATED
CERES, Stanislaus Co., Cal.—Ceres Union High School District defeated bond election on January 23. Bonds in the amount of $25,000 were to have financed the construction of an addition to the High School Building. W. H. Weeks, 525 Market St., San Francisco, architect.

Plans Being Completed.
SCHOOL Cost. $164,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium); tile roof, steam heating system, wood floors, etc.
Owner — North Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about two weeks.

Preparing Preliminary Plans.
REPAIR SCHOOL Cost, $13,500
SAN FRANCISCO. Bayview School.
Repairs to school building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St. San Francisco.

Plans Being Completed.
REPAIR SCHOOL Cost, $114,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Plans will be completed in about ten days.

LOW BIDDERS.
ALBUQUERQUE, N. M.—E. J. Marchant, Albuquerque, submitted the low general contract bid to the Albuquerque board of education on Jan. 19 at $84,479 for reinforced concrete beam and slab type for the construction of a new school building to replace the old Fourth Ward school in Albuquerque. Mead & Mount, Denver, were low bidders on the other types of construction. Other low bids were: Paul McClendon on heating at $7624; A. L. Staehlin on plumbing at $6897; Testman Electrical Co., Albuquerque, on electrical work at $3211.

Bids Opened.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St. and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—Henry D. Dewell, 55 New Montgomery St., San Francisco.
Low Bidder—E. T. Leiter & Son, 811 37th St., Oakland.
Following bids received:

E. T. Leiter & Son, Oakland	$32,387
G. P. W. Jensen, San Francisco	33,785
C. H. Lawrence, Oakland	34,938
W. G. Thornally, Oakland	35,755
A. Cederborg, Oakland	36,498
Dinwiddie Constr. Co., S. F.	36,500
William Spivock, San Francisco	37,150
Walter Sorensen, Oakland	37,451
N. H. Sjoberg & Sons, S. F.	37,973
K. E. Parker Co., S. F.	38,600
Lindgren & Swinerton, Oakland	38,833
Monson Bros., San Francisco	39,975
George J. Maurer, Piedmont	37,989
Barrett & Hilp, San Francisco	41,000

Bids held under advisement.
Heating bids are held under advisement. Announcement will be made within a few days.
(5583) 1st report Jan. 22, 1933; 8th Jan. 5, 1934. * 15

BOND ELECTION
TEHACHAPI, Kern Co., Calif.—Tehachapi Valley Union High School District has called an election for February 6 at which time it is proposed to vote bonds to secure a government loan of $43,000, recently approved by the Public Works Administration. Funds are to be used to finance the construction of a second unit at the Tehachapi high school. Architect Edwin J. Symmes, Haberfelde Bldg., Bakersfield, has completed plans for the building.

PREPARING PLANS
LA CANADA, Los Angeles Co., Cal—Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Los Angeles, are preparing plans for reconstructing the public school building at La Canada for the La Canada School District. Work will consist of steel framing and gunniting.

BOND VOTED
CLAREMONT, Los Angeles Co., Cal.—Claremont School District approved a $19,000 bond issue January 23, the proceeds to be used for rebuilding and strengthening the Claremont High School Buildings. Marsh, Smith & Powell, 514 Architects' Bldg., Los Angeles, architects.

BONDS VOTED
SAFFORD, Ariz.—Graham County School District No. 1, Arizona,, approved a $9000 bond issue on January 22, the bonds to be used as security for the repayable portion of a public works loan the district is seeking to finance the construction of an addition to the Safford Grammar School. If the loan request is granted by the Public Works Administration, $12,000 will be expended for the improvements. 15

Preparing Working Drawings.
SCHOOL Cost, $15 000
HAYFORK, Trinity Co., Calif.
One-story wood frame grammar school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayfork Union School Dist.
Architect—Jens Petersen, 826 26th St. Sacramento.
Bids will be asked in about 2 weeks.

CONTRACT AWARDED.
SAN FRANCISCO. — Lamery Bros. Tile Co., 425 Van Ness Ave. south, at $70.00 awarded contract by the Department of Public Works for tile work at the Portolà junior high school Girard St. between Burrows and Bacon Sts., involving the removal of tile on south wall in boys' lavatory on third floor, cut-off flat coat and relay same, using old tile as far as possible and replace broken and chipped tile with new tile of same size and manufacture.

Preparing Working Drawings.
AUDITORIUM Cost, $15,000
BIGGS, Butte Co., Cal.
One-story brick or concrete auditorium (to seat 300).
Owner—Biggs Union Grammar School District.
Architect—Jens Petersen, 826 26th St., Sacramento.
Work will probably be done under the CWA and sub-bids will be taken within a few days.

Work Started.
ADDITION Cost, $4000
SANTA CLARA, Santa Clara Co., Cal.
One-story frame addition to shop.
Owner—Santa Clara Un. High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Constr. — A. R. Morrison, Santa Clara.
Work will be done by day's labor under CWA.

BOND ELECTION.
OCEANSIDE, San Diego Co., Cal.—Oceanside-Carlsbad Union High School District has called an election for Mar. 20 at which time the district will submit a resolution to the voters seeking authorization to expend $21,672 for reconditioning existing school buildings. The funds are on hand but, according to the Riley-Stewart tax measure, cannot be placed at the disposal of the school board without an approval vote of the people of the district.

PLANNED.
SALT LAKE CITY, Utah.—An election to vote bonds in the amount of $450,000 is contemplated by the Granite School District to finance construction of a new school building. Public Works Administration has authorized a loan and grant of $626,500 to the district.

Praspecitve Bidders.
ADDITION Cost, $10,000
SALINAS, Monterey Co., Cal.
Two-room addition to Lincoln School building (frame and stucco construction) & alterations to Roosevelt School.
Owner—Lincoln School District.
Architect—Chas. Butner, 51 Maple St. Salinas.
Following have procured plans. Bids open Feb. 6, 7:30 P. M.
E. F. Reese, 35 Santa Lucia Ave., Salinas.
F. C. Carlsen, 336 Lincoln Ave., Salinas.
W. E. Greene, 27 Lincoln Ave., Salinas.
J. F. Kraus, Salinas.
Harold Geyer, 946 Hellam St., Monterey.
Alert Station, Pacific Grove.
Sam Trondhjem, 45 Gail St., Salinas.
Plans and specifications available from the architect upon deposit of $5 and on file in the office of the Supt. of Schools, 111 West Aslial St., Salinas.

SEEK FUNDS
NEW MEXICO—University of New Mexico has filed an application with the Public Works Administration for a loan and grant of $250,000 to finance construction of a new administration building at the University of Mexico.

BOND ELECTION
CASHMERE, Wash. — Cashmere School District will hold an election on February 3 to vote bonds in the amount of $40,000 to help finance construction of a school building in Cashmere. Proposed project will be a two-story brick addition to the high school, to contain auditorium and classrooms and will have cast stone trim, plumbing, wiring, electric, steam heat, etc. An additional $40,000 is assured from state or federal services. Fred B. Stephen, Smith Tower Bldg., Seattle, Washington, Architect.

LOW BIDDERS
TOPPENISH, Wash.—Edward Ekrem, 100 North 74th St., Seattle, Wash., at $28,600 submitted low bid to Toppenish, Yakiam, School District for the construction of improvements to schools at Toppenish.
Ne-Page McKenny Co., Seattle, at $3275 were low bidders on electrical work and Leishmitz & Schmitz, Yakima, at $17,179 were low bidders on plumbing and heating.

PREPARING PLANS
PASADENA, Los Angeles Co., Cal. —Architect Frederick Kennedy Jr., 1041 E. Green St., Pasadena, is preparing preliminary plans for repairs and alterations to the Abraham Lincoln Elementary School for the Pasadena Board of Education. Cost, $60,000.

PREPARING PLANS
PASADENA, Los Angales Co., Cal. —Architect Frederick, Kennedy Jr. 1041 E. Green St., Pasadena, is starting working drawings for altering and repairing the Washington Elementary School for the Pasadena Board of Education. The building will be divided into two separate structures, remove a portion of the exterior brick walls and repair with reinforcing steel and gunite. Cost $100,000.

PREPARING PLANS
PASADENA, Los Angeles Co., Cal. —Architect Robert H. Ainsworth, Central Bldg., Pasadena, is preparing working plans for a one-story school building to be built at the Cleveland School site for the Pasadena Board of Education. It will contain seven classrooms, kindergarten department and offices. Construction will be reinforced concrete, composition roofing, concrete corridors, maple floors, oil-fired steam heating system, etc., Appropriation is $56,000.

To Ask Bids In One Week.
SCHOOL IMP. Cost, $10,000
HAYWARD, Alameda Co., Cal.
Revamp girls' dressing rooms, etc., in Hayward high school; work involves adding 50 shower rooms, 90 dressing rooms, 600 metal lockers, plumbing, metal partitions, etc.
Owner—Hayward Union High School District.
Architect—Henry Smith, Humboldt Bank Bldg., San Francisco.

Preparing Working Drawings.
LIBRARY Cost, $45,000
MODESTO, Stanislaus Co., Cal. Junior College.
Library unit for the Modesto Junior College (probably concrete construction).
Owner—Modesto Junior College Dist. (C. Shakelford, President of the Board).
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Application has been filed with the Public Works Administration for a grant of $25,000 to help finance construction.

To Be Done By Day's Work.
SCHOOL IMPROVEMENTS $—
VALLEJO, Solano Co., Cal. Vallejo High School.
Construct new baseball field, tennis court, etc., at the High School.
Owner — Vallejo Board of Education (Elmer Cave, Supt.), Vallejo.
Plans by W. A. Jones, 403 Alameda St., Vallejo.
Work will be done by day's labor under the CWA.

To Be Done By Day's Work.
GARAGE, ETC. Cost, $4250
PALO ALTO, Santa Clara Co., Cal. Palo Alto High School Site.
One-story concrete garage and laquering building.
Owner—Palo Alto Union High School District.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Plans have been forwarded to Sacramento for approval and upon their return work will be done by day's labor under the CWA.

Plans Being Completed.
REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. bet. Powell and Stockton Sts.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Plans will be completed and submitted for approval within one week.

SURVEY COMPLETED
PALO ALTO, Santa Clara Co., Cal. —Engineer W. L. Huber, 1 Montgomery St., San Francisco, has completed the survey of the Palo Alto High School and the Mayfield School and has turned the report over to the Palo Alto Board of Education. Cost of improvements is estimated at $80,000. Both buildings have been abandoned and when improvements will be made is not determined at this time.

Plans Being Figured—Bids Close Feb. 19, 8 P. M.
GYMNASIUM Cost, $65,000
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced conc. and brick veneer gymnasium (171x235) reinf. concrete walls (separate gym. for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans available from the office of the architects upon deposit of $20.
Excavation is now under way under the CWA with Louis Halvorsen, Santa Rosa, as Superintendent of Constr.

Preparing Working Drawings.
SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Broadway, bet. Powell and Mason Sts.
Repairs and reconstruction of school building (Jean Parker School).
Owner — City and County of San Francisco.

Construction of a new building for boiler room, boiler to be 400 - hp.; complete automatic plant control, induced air fan, electrically driven, complete boiler room instruments, pneumatic water system, new filter system, two 10,000 gallon storage tanks, alterations to present switch board and feeders for relining of old boiler.
Complete bids published January 25.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

ASK FEDERAL AID

SACRAMENTO, Cal.—State of California filed an application with the Public Works Administration for a loan of $382,900 to finance construction of a horse show arena at the State Fair Grounds, Sacramento. It is requested that $90,000 be an outright gift. Proposed arena would seat 7500 persons.

Plans Awaiting Approval.
LIBRARY Cost, $250,000
BAKERSFIELD, Kern Co., Cal. Seventeenth and K Streets.
Two - story and basement reinforced concrete library bldg. (main floor will have reading rooms, lobby, order departments, stack rooms, etc., and second floor will have exhibition room, display room, staff room, storage stack rooms.)
Owner—County of Kern.
Architect—Chas. H. Biggar, Haberfelde Bldg., Bakersfield.

Plans Being Completed.
ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about four weeks.

Preparing Working Drawings.
FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal. Vallejo Way and Freeport Blvd.
Construct new fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Plans are about 25% completed.

PLANNED

OAKLAND, Alameda Co., Cal.—Oakland City Council has been asked to donate a site to the State of California for the construcion of a new armory to house the 159th Infantry, California National Guard. The cost is estimated at $250,000. Upon the donation of the site the State of California will apply to the Public Works Administration for a loan to finance the construction.

Plans Completed.
ALTERATIONS Cost, $40,000
WEAVERVILLE, Trinity Co., Calif.
Alterations and additions to present two - story brick court house and construction of two-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)
Owner—County of Trinity.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Upon approval of plans by the owners bids will be asked.

Planned.
CITY HALL Cost, $22,500
WALNUT CREEK, Contra Costa Co., Calif.
One-story reinforced concrete city hall (five rooms).
Owner—City of Walnut Creek.
Architect—Avery Rich, Orinda.
Application will be filed with Public Works Administration for a loan to finance construction and if this is granted a bond election will be held by the city.

Bond Election Planned.
AUDITORIUM Cost, $25,000
PLACERVILLE, Eldorado Co., Cal.
Two - story reinforced concrete auditorium.
Owner—City of Placerville.
Architect—W. E. Coffman, Forum Bldg., Sacramento.
Mgr. of Const.—C. E. Fowler, premises
An election will be held in the near future to vote bonds in the amount of $25,000 to finance construction. Work was started under the CWA but has been suspended until the election is held as all CWA funds have been used.

BOND ELECTION PLANNED.

SANTA PAULA, Ventura Co., Cal.—Santa Paula city council will submit a city hall bond issue to the voters of Santa Paula if the government will agree to furnish a grant of $12,675 and to buy $29,575 in bonds ,the proceeds to be used for financing the construction of a new city hall in Santa Paula. City authorities will submit their proposal to the Public Works Administration immediately. R. S. Raymond, Box 545, Santa Paula, architect.

Construction Started.
LIBRARY Cost, $10,000
LINDSAY, Tulare Co., Calif. N Gale Hill Avenue.
One - story frame and stucco library building (Spanish type).
Owner—City of Lindsay.
Architect—Not Given.
Work has been started by day's labor under the CWA.

TO ASK BIDS.

LOS ANGELES, Cal.—Wm. Davidson, Los Angeles county mechanical engineer, Hall of Records, has submitted revised specifications to the county supervisors for the demolition of the old county court house at Temple St. and North Broadway; Spec. 315. The supervisors will advertise the job within a few days, bids to be taken as follows:

PROPOSAL A

(1) lump sum bid for all work complete, the contractor to become possessor of all materials;

PROPOSAL B

(1) all work complete, the salvageable steel and cast iron to remain on the site and be stacked;
(2) all work complete, the salvageable steel and cast iron not designated to be left on the site for future use to be transported to county shops, unloaded and stacked as directed.

SEEK FUNDS

TULARE, Cal.—City of Tulare will file an application with the Public Works Administration for funds to assist in the financing of a municipal auditorium in Tulare. Exact cost of the structure is not determined at this time but will probably run $100,000.

Contracts Awarded.
REMODEL CITY HALL Cost, $5500
ALBANY, Alameda Co., Calif.
Remodel and enlarge city hall.
Owner—City of Albany.
Architect—Not Given.
Manager of Construction—Harry Kane, 921 Ramona St., Alany.
Lumber—Hill Lumber and Hardwaro Co,. Brighton and Alamo, Berkeley.
Concrete Materials — Hutchinson Co., 1450 Harrison St., Oakland, and Golden Gate Stucco Co., Masonic and Brighton Sts., Oakland.
Hardware—General Hardware Co., 977 San Pablo Ave., Oakland.
Metal Lath—Marcus Cut Rate Hardware & General Hardware Co., 977 San Pablo Ave., Oakland.
Pipe—Oakland Plumbing Supply Co., 4th and Harrison Sts., Oakland.
Work is being done by day's labor under the CWA.

TO TAKE SUB-BIDS

LOS ANGELES, Cal.—Wm. Simpson Constr. Co., 816 W. Fifth St., will take sub-contract bids immediately for two buildings at northwest corner of Westlake Ave. and Wilshire Blvd. for Los Angeles County Medical Assn.; Dr. Harry Wilson, Secretary. Architect Gordon B. Kaufmann, 610 Union Bank Bldg., prepared the plans. One will be a three-story, Class A reinforced concrete structure and will house a library; other will be a Class D office and auditorium building. Cost, $80,000.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO, S Marina Blvd. 172 W Beach St.
Two - story and basement frame and stucco residence.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola Drive.

Plans Being Completed.
ALTER RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal.
Alterations to two-story frame and brick veneer residence.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked in about ten days.

Move More Dirt Faster with LE TOURNEAU Equipment

A complete line of grading machinery — designed by a contractor — developed on actual construction jobs—built to stand continuous use under the worst conditions.

ENGINEER'S CONSULTATION FREE

R. G. LE TOURNEAU, INC.

Wilson Way at Roosevelt Stockton, Calif.

Contract Awarded.
RESIDENCE Cost, $17,000
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement concrete, frame and stucco residence (11 rooms, 4 baths) social hall and lounge, shake roof, pine and oak floors, hot water heating system.
Owner—A. A. Hartman.
Architect—E. I. Norberg, 407 Occidental Ave., Burlingame.
Contractor—H. T. Holsher, 325 Elm St., San Mateo.

Preparing Working Drawings.
RESIDENCE Cost, $——
HILLSBOROUGH, San mateo Co., Cal. Carolands.
Two - story and basement frame residence (10 rooms, 4 baths) rustic exterior, shake roof, gas heating system, hardwood floors, linoleum in baths, etc.; Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.
Bids will be asked in about 1 week.

To Be Done By Day's Work.
ALTER RESIDENCE Cost, $——
SAN FRANCISCO. 200 Block Ashton Avenue.
Alterations and additions to frame residence (add three rooms and one bath, etc.)
Owner—William Lehigh.
Architect—George Ralph, 110 Sutter St., San Francisco.
Mgr. of Constr.—Ed. Zinkand, 667 36th Ave., San Francisco.

Additional Sub-Contracts Awarded.
REMODEL RESIDENCE Cost, $3130
SAN FRANCISCO. Sixteenth Avenue and Lake Street.
Remodel residence (2-story frame and stucco structure) work involves: new entrance, brick steps, wrought iron railing, new kitchen equipment, new plumbing fixtures, add one new bath room, linoleum and canvas in baths, complete painting and decorating, warm air gas heating system, living room to be done in pine.
Owner—Sheldon Potter.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Tile—Sunset Tile Co., 2219 Irving St.
Electric—C. V. Johnson, 2416 Lake St.
As previously reported, plumbing awarded to Chas. Harper, 32 Caselli Ave.; heating and sheet metal work to Buriani Sheet Metal Co., 520 Bay Shore Bldg.

To Be Done by Day's Work.
RESIDENCE Cost, $5000
SAN FRANCISCO. E Twentieth Ave. 115 N Ocean Avenue.
One-story and basement frame and stucco residence.
Owner and Builder—Fernando Nelson & Son, 2919 19th Ave., S. F.
Plans by Owner.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 920 Grizzly Peak Blvd.
Two-story frame and stucco residence (five rooms).
Owner — Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland.
Electric — Higgins Electric Service, 1638 Stuart St., Berkeley.
Sheeet Metal—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Brick—C. M. Goodell, 2836 Minna St., Oakland.
Hardware—Simon Hardware Co., 639 Broadway, Oakland.
Flooring—Hans Hansen, 3922 Santa Rita St., Oakland.

Sub-Bids Being Taken.
RESIDENCES Cost, $5000 each
SAN LEANDRO, Alameda Co., Cal. Broodmoor Park.
Two one-story and basement frame and stucco residences (6 rooms ea) part tile and composition roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—E. W. Urch, 1924 50th Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Plastering Contract Awarded.
ALTER RESIDENCE Cost, $2973
PALO ALTO, Santa Clara Co., Calif. 442 Lowell Avenue.
Alterations to 2-story frame and stucco residence (general interior and exterior work).
Owner—Harry Bruning, 442 Lowell Ave., Palo Alto.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Clinton Stephenson Construction Co., 550 Montgomery St., San Francisco.
Plastering—Robert Alberson, 535 Everett Ave., Palo Alto.
Other awards previously reported.

PLANNED.
SAN LEANDRO, Alameda Co., Cal. —A cyndicate of Oakland and San Francisco capitalists, represented by Fred. T. Woods, Oakland, are planning a housing program which will entail the construction of 365 four-five- and six-room residences, representing a total cost of $2,000,000, in San Leandro, in the Farley and Coelho tracts, north of 14th St. and south of Foothill Blvd.
Architect G. A. Applegarth, Russ Bldg., San Francisco, is in Washington seeking a loan from the Reconstruction Finance Corp., which, if granted, will furnish 85% of the building costs and 15% of land costs. Further details will be announced at a later date.

Plans Being Figured—Bids Close Feb. .....7th.
RESIDENCE Cost, $8,590
SAN JOSE, Santa Clara Co., Calif. Shafter Avenue.
Two - story and basement frame and brick veneer residence (7 rooms & breakfast room, 2 baths) tile roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Wtihheld.
Architect—Wm. E. Higgins, 19 N Second St., San Jose.

Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. Woodmont Road, near Grizzly Peak Blvd.
One-story and basement frame residence (6 rooms) Colonial style, shake roof, gas hot air heating system, wood and steel sash, etc.
Owner—Prof. W. H. Durham, 1525 La Loma Ave., Berkeley.
Architect — Roland I. Strigham, 1525 Market St., San Francisco.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Sub-bids will be taken shortly.

Sub-Contracts Awarded.
RESIDENCE Cost, $12,000
SAN RAMON HGTS. Walnut Creek, Contra Costa County.
Two-story and basement frame California Colonial style residence (10 rooms and 3 baths) 2-car garage; shingle roof, brick, tile and wood exterion, steel sash, oak plank floors, oil hot air heating system, electric refrigeration, etc.
Owner—R. W. Lowe.
Architect—Edwin L. Snyder, 2101 Addison St., Berkeley.
Contractor—Alfred Petersen, 3918 Linwood Ave., Oakland.
Electric—Kerr & Clifford, 3626 East 14th St., Oakland.
Lumber and Millwork—Clinton Mill & Lumber Co., 701 4th Ave., Oakland
Plumbing—Henry Lass, 5300 Cole St., Oakland.
Sub-bids are being taken on other portions of the work.

Su-Contracts Awarded.
RESIDENCE Cost, $——
CROCKETT, Contra Costa Co., Cal. Crockett Heights.
One-story frame and stucco residence (5 rooms) English style.
Owner—Glenn Markley, Crockett.
Architect—Not Given.
Contractor—Oscar A. Wickman, 1320 Albina Ave., Berkeley.
Heating—Aarvaks Heating & Appliance Co., 2313 Valley St., Berkeley
Plastering—Giachetto & Marietti, 1209 Derby St., Berkeley.
Painting—Arvid Nelson, 1915 Curtis St., Berkeley.
Plumbing—Oscar O. Prytz, 577 Loring Ave., Crockett.
Concrete—Zaballa Bros., San Leandro
Hardware — G. B. Jackson & Sons, 1929 Irving St., San Francisco.
Millwork—Pacific Mfg. Co., 1315 7th St., Berkeley.
Electric—J. T. Jacobs, Pomona St., Crockett.

CONTRACT AWARDED.
RESIDENCE Cost, $4,090
VALLEJO, Solano Co., Calif., Alabama St., between Amador and Halliday.
One story and basement frame and stucco residence (5 rooms).
Owner—H. Shipman.
Architect—Not Given.
Contractor—Mutual Home Builders' Association, Tennessee and Amador Sts., Vallejo.

CONTRACT AWARDED.
RESIDENCE Cost, $4,000
VALLEJO, Solano Co., Calif., 814 Florida St.
One story and basement, frame and stucco residence (5 rooms).
Owner—R. L. Hitchcock, Vallejo.
Architect—Not Given.
Contractor — W. E. Tuomisto, 1635A Sacramento St., Vallejo.

Construction to Start Shortly.
RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Calif., 1816 Leimert Blvd.
Two - story and basement frame and stucco residence (7 rooms), tile roof, gas hot air heating system, steel sash, ornamental iron, etc.
Owner and Builder—David Kesti, 2217 Browning St., Berkeley.
Architect—Not given.

Plans Being Figured—Bids Close Feb. 6, 3 P. M.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. No. 25 Oakvale Road.
Twostory and basement frame and stucco residence (8 rooms and 3 baths); shingle roof, drop siding exterior, gas hot air heating system, hahrwood floors, tiled baths, etc.
Owner—Withheld.
Architect—Houghton Sawyer, Howden Bldg., Oakland.
Fred Du Puy, 110 Sutter St., San Francisco, is figuring the plans and desires sub-bids on all portions of the work.

Plans Being Figured—Bids Close Feb. 7, 12 Noon.
RESIDENCE Cost, $15,000
SAN FRANCISCO. McLaren Avenue, Seacliff.
Two - story and basement frame and

at the Naval Operating Base (Fuel Depot), San Diego. The work consists of (a) the removal of approximately 28 inches of the lower portion of the fire box inner plate and outer boiler plate of an existing locomotive crane boiler and (b) the replacement of the removed plates with new ⅜-in. steel plate.

Specifications obtainable from above office upon deposit of $10.

BIDS OPENED.

BERKELEY, Alameda Co., Cal.—A. Cederborg, 1455 Excelsior Blvd., Oakland, submitted low bid to the Regents of the University of California for the construction of an experimental house "E" at the Poultry Research Station, University of California, Berkeley. Following bids were received:

(1) 6 units;
(2) 7 units;
(3) 8 units;
(4) 9 units;
(5) 10 units.

A. Cederborg, Oakland	(1)	$4,798
	(2)	5,545
	(3)	6,299
	(4)	7,086
	(5)	7,851
		65 days
W. V. Bernard, Oakland	(1)	$4,862
	(2)	5,648
	(3)	6,434
	(4)	7,220
	(5)	8,000
		60 days
H. K. Henderson, Oakland	(1)	$4,950
	(2)	5,770
	(3)	6,500
	(4)	7,250
	(5)	7,990
		75 days
Geo. Swanstrom, Oakland	(1)	$5,317
	(2)	6,095
	(3)	6,864
	(4)	7,543
	(5)	8,123
		75 days
J. M. Walker, Berkeley	(1)	$5,159
	(2)	5,902
	(3)	6,645
	(4)	7,388
	(5)	7,121
		90 days
John J. Moore, Oakland	(1)	$4,981
	(2)	5,825
	(3)	6,669
	(4)	7,513
	(5)	8,357
		60 days
Empire Const. Co., S. F.	(1)	$5,280
	(2)	6,100
	(3)	6,900
	(4)	7,700
	(5)	8,400
		60 days
E. T. Leiter & Son, Oakland	(1)	$5,287
	(2)	6,087
	(3)	6,887
	(4)	7,687
	(5)	8,587
		60 days
Connor & Connor, Oakland	(1)	$5,200
	(2)	6,070
	(3)	6,930
	(4)	7,795
	(5)	8,660
Clinton Stephenson, S. F.	(1)	$5,548
	(2)	6,361
	(3)	7,132
	(4)	7,951
	(5)	8,836
		54 days
N. H. Sjoberg & Sons, S. F.	(1)	$5,842
	(2)	6,761
	(3)	7,690
	(4)	8,619
	(5)	9,548
		45 days

Bids held under advisement.

Additional Prospective Bidders.

PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Deparment, Washinugton, D. C., on February 28 for steel frame building; steam generating plant, boilers, etc., to be erected at the Naval Fleet Air Base, Pearl Harbor, Spec. 7438.

Bethlehem Steel Co., Bethlehem, Pa.
M. F. Marx Mfg. Co., Louisville, Ky.
Dayton-Dowd Co., 2nd and York Sts. Quincey, Ill.
T. G. Eagan Refractory Co., 70 Kane St., Brooklyn.
Thos. L. Dawson Co., 2035 Washington St., Kansas City, Mo.
Industrial Piping & Engr. Co., 1619 Court Square Bldg., Baltimore.

BIDS OPENED

LOS ANGELES, Cal.—San Pedro Electric Co., 263 W. Sixth St., San Pedro, submitted low bids to the Los Angeles Harbor Department at $2329.64 on Sec. A and $2279.64 on Sec. B, for furnishing and installing public address system at Berths 56 and 57, Los Angeles Harbor; Specification 926. The bids were:

San Pedro Electric Co., (A) trumpet-type speakers, $2329.64; (B) dynamic cone-type speakers, $2279.64.
W. F. Ludlum, (A) no bid; (B) $2435.50.
H. H. Van Luven Co., (A) $3407; (B) $3157.
Interphone Electric Co., (A) $3587.40 (B) $3288.31.
Reliable Radio Service Co., (A) $3631.37; (B) $3631.37.

The bids were referred to the general manager of the department.

PLANNED

SACRAMENTO, Cal.—City of Sacramento, is comtemplating the construction of a yacht harbor on Sacramento, estimated to cost $200,000. A site will be selected and if approved, an application will be filed with the Public Works Administration to finance construction. Preliminary sketches were prepared by Earl Barnett, 3024 44th St., Sacramento.

President William A. Bahr, of the Exchange Club, appointed a committee of Adolph Teichert Jr., Maurice Coulter and F. Meyer to confer with City Manager Dean and find out what definite steps can be taken toward obtaining the land off Riverside Blvd.

Sub-Contracts Awarded.

ADDITION Cost, $125,000
SEATTLE, Wash. Foot of Massachusetts Street.
Construct twelve large concrete storage bins (100 feet in height) bins to be supported by concrete capped piling, 60 piles to a bin.
Owner—Carnation Albers Bros. Milling Co., Stuart Bldg., Seattle.
Plans by John S. Metcalf Co., Ltd., (grain elevator designers), Vancouver., B. C.
Contractor—Jones-Hettlesater, Kansas City.
Mgr. of Constr.—J. H. McDuffy, Prem.
Excavation—A. C. Goerig, Seattle.
Reinforcing Steel—Pacific Coast Steel Co., Seattle.

CONTRACT AWARDED.

YOSEMITE VALLEY, Calif.—Sanitary Plumbing Co., Merced, at $2,871 awarded contract by Park Superintendent for heating buildings in the Yosemite valley. Following bids received:

Sanitary Plbg. Co., Merced	$2,871.00
Herman Lawson Co., S. F.	2,930.00
C. B. Hedman, Turlock	3,033.60

Contract Awarded.

MORTUARY Cost, $15,000
ROSEVILLE, Placer Co., Calif.
Two-story mortuary (brick construction, tile roof) chapel, pipe organ, preparation room, three reposing rooms, display room, etc.)
Owner—Mrs. Alice L. Broyer, 319 Vernon St., Roseville.
Architect—Not Given.
Contractor—J. M. Stoffells, Lin and Elefa Sts., Roseville.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

SAN FRANCISCO—Kratz Mfg. Co., 667 Howard St., San Francisco, at $27.30 each for hardware for 100 garage doors, 9 ft. by 10 ft., and $11.85 each for 12 ft. by 10 ft. door, submitted low bid to the U. S. Forest Service, 85 Second St. Above bidder submitted an alt. bid with modification of delivery time at $26 and $40. Only other bidder was Baker, Hamilton Pacific Co., San Francisco on alternative specifications.

CONTRACT AWARDED.

WASHINGTON, D. C.—The following contracts awarded by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., under Schedule 1409: Monolith Portland Cement Co., $5898 for furnishing 3,000 barrels of Portland cement for San Diego; Sch. 1408, Yosemite Portland Cement Corp., at $17,272 for furnishing 3,200 barrels of Portland cement, Mare Island, and 4,000 barrels cement at San Francisco.

CONTRACT AWARDED.

CASPER, Wyo.—Truscon Steel Co., Youngstown, Ohio, at $4,194.05 awarded contract by Bureau of Reclamation, Denver, for furnishing under Proposal 22038-A, tunnel liner plates for Casper Alcova project.

BIDS REJECTED.

HAMILTON FIELD, Marin Co., Cal. —Constructing Quartermaster, Hamilton Field, rejected all bids for furnishing 130 cubic yards of concrete for Hamilton Field. Lowest bid was submitted by Basalt Rock Co., Napa, at $6.55 per cubic yard.

CONTRACT AWARDED

SAN BERNARDINO, Cal. — Crowe Building Material Co., San Bernardino, at $1210 awarded contract by the U. S. Forest Service at San Bernardino, January 29, for furnishing 2000 sacks of cement to be used on various forestry projects in th San Bernardino National Forest.

February 1, 1934

CONTRACT AWARDED

SAN FRANCISCO—Smith Lumber Co., 4th and Channel Sts., San Francisco, awarded contract by T. A. Brooks, Purchaser of Supplies, San Francisco, for furnishing Heart Structural Redwood for the San Francisco Water Department, under Invitation Bid No. 1142.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Southern Pipe & Casing Co., 2101 E Slauson Ave., Los Angeles, at $7049.25 (for furnishing pipe under item 3, alternate to item 1) Bid No. 19822 awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District. Items 1, 2, 4 and 5 and 6 were rejected. Other bids were: Southwest Welding & Mfg. Co., Inc., $7150; Consolidated Steel Corp., Ltd., $7,400; American Pipe & Steel Corp., Ltd., $7500; West Coast Pipe & Steel Co., $7500, and Western Pipe & Steel Co. of California, $9300.

AWARD.

YAVAPAI COUNTY, Ariz.—Chas. C. Elrod, Prescott, awarded contract by the Yavapai County Supervisors Jan.

13 for furnishing fuel oil for the year at $2.40 bbl. f.o.b. county tanks. The bid was made on Standard Oil Co.'s fuel oil.

The other bids were: Massing Oil Co., $2.40 bbl.; E. C. Seale, $2.74 bbl.

The receiver of the Richeld Oil Co. submitted a bid too late to be considered. The price was quoted as a minimum of 65c and a maximum of $1.15 per bbl. f.o.b. Bakersfield, plus current freight rate to Prescott of $1.-172.

BIDS OPENED.

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Los Angeles City Purchasing Agent, Los Angeles, January 25 for furnishing and delivering to Bureau of Engineering all steel columns, trusses, purlines and bracing with connections and connecting bolts and washers for transportation yard at Washington Blvd. and Harriett St., in accordance with blue prints on file at the office of the purchasing agent under Spec. No. 330.

Consolidated Steel Corp., Ltd., $12,-985; alternate, $12,445. Terms, net. Delivery in 8 weeks.

Pacific Iron & Steel Co., Ltd., $13,-845; if 6-in. channel purlines are used instead of 7-in. deduct $486. Terms ½ of 1% 30 days. Delivery in 45 days.

McClintic - Marshall Corp., $13,241; alternate, using 6-in. channel steel, $12,665. Terms net. Delivery 50 days.

Pennsylvania Iron & Steel Co., $14,-419; alternate, using 6-in. channel steel, $13,699. Terms ½ of 1% 30 days. Delivery in 8 weeks. State sales tax included.

Minneapolis - Moline Power Implement Co., $14,460; alternate, using 6-in. channel steel, $13,835. Terms ¼ of 1% 30 days. Delivery 40 days.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Los Angeles City Purchasing Agent, January 24, for furnishing and delivering to Water and Power Dept., f. o. b. locations designated below, twelve 138,000-volt, 3-pole, inverted, out-door type, motor gang operated disconnecting switches under Specifications No. 3282

(1) 12 switches as described above without insulators

(a) f.o.b. cars, bidder's shipping point;

(b) f.o.b. cars, Los Angeles;

(c) f.o.b. trucks, Department's warehouse, 1630 N. Main St., Los Angeles.

(Alt. 1) 12 switches identical to those specified under Item (1) except that switches will be furnished complete with insulators.

(a), (b) aid (c) same as under Item (1) above.

Southern States Equipment Co.—(1a) no bid, (1b) $21,870, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $27,154, (alt. 1c) no bid. Terms net; delivery 30 days.

General Electric Co.—(1a) no bid, (1b) $1822.50, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $2254.50, (alt. 1c) no bid. Terms net; delivery 7 weeks at Philadelphia, Pa.

Bowie Switch Co.—(1a) no bid, (1b) $1822.50 each, (1c) no bid, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $2254.50 each, (alt. 1c) no bid. Terms net; acceptance 30 days, delivery 30 days. Price include state sales tax.

Westinghouse Electric & Mfg Co. —(1a) no bid, (1b) $3685 set of 2, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $4549 set of 2, (alt. 1c) no bid. Terms net; delivery 75 days. (alt. item 1b) K.B. without insulators, $3370, set of 2; with insulators, $3883 set of 2.

Railway & Industrial Engineering Co. —(1a) no bid, (1b) $21,870, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $27,-054, (alt. 1c) no bid. Terms net; delivery 3 weeks; (alt. item 1b) $8511, 2nd alt. $3267; (alt. item alt. 1b) $4375, 2nd alt., $3843.

Delta Star Electric Co.—(1a) no bid, (1b) $1822.50, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $2254.50; (alt. 1c) no bid. Terms net; delivery 5 weeks; (alt. item 1b) $1766.50; (alt. item alt. 1b) $2054.50.

Pacific Electric Mfg. Co.—(1a) no bid, (1b) $1822.50, (1c) no bid, (alt. 1a) no bid, (alt. 1b) $2254.50, (alt. 1c) no bid. Terms net; delivery 30 days. Prices include state sales tax. 20

CONTRACT AWARDED

PEARL HARBOR, T. H.—J. H. Baxter & Co., 333 Montgomery Street, San Francisco, has been awarded a sub-contract by the Hawaiian Dredging Company, Honolulu, for furnishing approximately 9,000,000 F.B.M. piling and timber, to be used in construction of the Pearl Harbor Navy Yard Repair Basin.

The above contract was previously reported incorrectly as awarded to another firm.

January 27, 1934

CONTRACT AWARDED.

LOS ANGELES, Calif.—J. A. Irwin Co., Los Angeles, at $2457.70 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing lumber under Bid No. 19596.

Other bids were: Daugherty Lumber Co., $2466.51; Globe Lumber Co., Ltd., $2572.04; Crossett Western Co., $2662.51.

Identical bids were submitted at $2897.75 by the following: C. Ganahl Lumber Co., E. U. Wheelock, Inc., C. H. Chapman, Public Mill & Lumber Co., Hammond Lumber Co., E. J. Stanton & Son, Vineland Builders Supply Co., Whiting-Mead Co., E. K. Wood Lumber Co., W. E. Cooper Lumber Co., Geo. M. Huff Lumber Co., Lounsberry & Harris, Patten-Blinn Lumber Co., Mullin Lumber Co. Owens - Parks Lumber Co., Coffey Lumber Co., Ltd., Hudson - Bonney Lumber Co., San Pedro Lumber Co., Riverside Lumber Yard, Kerckhoff-Cuzner Mill & Lumber Co., Glick Bros. Lumber Co., Sun Lumber Co. and Fickling Lumber Co.

AWARDS.

BOULDER CANYON, Nev.—Following is a list of contracts awarded by the Bureau of Reclamation, Denver, for the Boulder project:

Proposal 23038-A, C. I. bell and spigot pipe for power plant: Pacific States C. I. Pipe Co., P. O. Box 18, Provo, Utah, $9060.68; Grinnell Co. of the Pacific, 691 Brannan St., San Francisco, $3008.62; Crane - O'Fallon Co., 1631 15th St., Denver, $162.10; Iowa Valve Co., Oskaloosa, Iowa, $922.25.

Pro. 23024-A, copper cable and accessories for power plant: Mehring Electric Work Co., $712.83; Mine and Smelter Supply Co., Salt Lake City, $344.17; Hendrie & Bolthoff Machinery & Supply Co., 1649 17th St., Denver, $29.02; Harrington & King Co., 79 Commercial St., Boston, $76.11.

AWARDS.

BOULDER CANYON, Nev.—Following is a list of contracts awarded by the Bureau of Reclamation, Denver, for the Boulder project:

Pro. 23061-A, steel inserts for power plant: Price Bldg. Specialties Co., 663 Howard St., San Francisco, $942.90

Pro. 23023-A, asphalt emulsion for power plant: Pioneer Paper Co., 385 55th and Alameda Sts., Los Angeles, $2,036.

Pro. 23036-A, electric strain meters; R. W. Carlson, $2,250.

Pro. 23040-A, reinforcing bars for contraction joints; Inland Steel Co., 33 S Clark St., Chicago, $20,651.40.

Pro. 23046-A, reinforcing bars for downstream plug outlet works; Inland Steel Co., Chicago, $8,393.10.

Pro. 23045-A1, conduit and fittings for testing equipment: Standard Sanitary Mfg. Co., $4,057.38.

Pro. 23049-A, reinforcing bars for penstock tunnel: Inland Steel Co., 33 S Clark St., Chicago, $5,062.69.

BIDS OPENED.

SAN FRANCISCO. — Alhpa Stores, Ltd., Nevada City, Cal., at $4,422.00 ($.201 lin. ft.) submitted high bid to T. A. Brooks, Purchaser of Supplies, San Francisco, for the purchase of used pipe, under Sale No. 91 (1) 22,-000 lin. ft. 4-in. used wrought steel pipe, uncoupled. The Pioneer Pipe Co., San Francisco, submitted only other bid at $3,355 ($.1525 lin. ft.) The pipe was sold to high bidder.

CONTRACT AWARDED

SAN FRANCISCO—Pacific Lumber Co., 100 Bush St., San Francisco, awarded contract by T. A. Brooks, Purchasing Agent, City Hall, for furnishing heart redwood lumber for the San Francsico Water Department. Bid No. 1145.

COMPLETING PLANS

LOS ANGELES, Cal. — Architect Mrashall P. Wilkinson, Hollywood Security Bldg., is completing working plans for a new motion picture studio to be erected on the old Metropolitan lot at Romaine and Las Palmas Ave. for General Service Studios; J. Maurice Ridge, president. Construction will be carried on under the supervision of Mr. Wilkinson. The studio will consist of five stages of concrete and wood frame construction, four bungalows and an administration building to cost approximately $450,-000. Sound equipment to cost $125,-000 will be installed in the buildings. Old stages now on the site are to be razed. Dr. George Burgess is the engineer in charge of acoustics. Sub-contract figures will be taken in two weeks.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

Architect and Engineer—W. P. Day, Financial Center Bldg., S. F.

Preparing Preliminary Plans.
RECONSTRUCT SCHOOL $46,000
SAN FRANCISCO. Seventh Avenue bet. Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.

Commissioned To Prepare Plans.
REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert St., bet. Jones and Taylor Streets.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

Commissioned To Prepare Plans.
REPAIR SCHOOL Cost, $35,850
SAN FRANCISCO.
Repairs and reconstruction of Adams Elementary School.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St., San Francisco.

BIDS WANTED.
SAN FRANCISCO.—H. L. Petersen, 731 Treat Ave., at $875 submitted low bid to Department of Public Works for the demolition of auditorium wing at the Daniel Webster School, 20th and Connecticut Sts. Following bids received:

H. L. Petersen	$875.00
Monson Brothers	925.00
Theo. Cohn	990.00

Bids held under advisement.

Preparing Preliminary Plans.
SCHOOL Cost, $60,000
WOODBRIDGE, San Joaquin Co., Cal.
Construct new elementary school bldg. (6 classrooms and assembly room)
Owner — Woodbridge Elementary School District.
Architect — Harry Devine, California Life Bldg., Sacramento.
Further details will be announced shortly.

PLANS COMPLETED
RIVERSIDE, Cal. — Architect G. Stanley Wilson, Mission Inn, Riverside, has completed plans for a one-story school on the site of the old Grant School, 14th and Walnut Sts., Riverside. Will contain six classrooms, kindergarten, library and offices. Cost, $45,000. Riverside City School District applied to Public Works Administration for grant of $13,500 to be used in financing the project.

PRELIMINARY PLANS COMPLETED
LOS ANGELES, Cal. — Boyd I. Means, 156 West Seventy-sixth St., has completed preliminary plans and has been authorized by the Los Angeles Board of Education to proceed with working drawings for the reconstruction, rehabilitation and strengthening of the Loma Vista Avenue school building. Cost, $32,032.

Commissioned To Prepare Plans.
REPAIR SCHOOL Cost, $51,144
SAN FRANCISCO. Jackson St., bet. Hyde and Larkin Sts.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.

BOND ELECTION
TEHACHAPI, Kern Co., Calif. — Tehachapi Elementary School District has called an election for February 6 at which time it is proposed to vote bonds to secure a government loan of $40,000, recently approved by the Public Works Administration. Funds are to be used to finance the construction of a new reinforced concrete unit to be added to the Tehachapi elementary school. Architect Edwin J. Symmes, Heberfelde Bldg., Bakersfield, is completing plans for the building.

COMMISSIONED TO PREPARE PLANS
LOS ANGELES, Cal. — R. McC. Beanfield, Chamber of Commerce Bldg., has been commissioned by the Los Angeles Board of Education to prepare plans for reconstructing, rehabilitating and strengthening main building at the Alta Loma School site Cost, $59,360.

Plans Being Prepared.
SCHOOL Cost, $12,000
GARBERVILLE, Humboldt Co., Cal Site To Be Selected.
Construct new school building.
Owner—Garberville & Phillipsville Elementary School Districts (Mrs. Bertha Murray, County Supt. of Schools).
Architect—Frank T. Georgeson, Sixth and G Sts., Eureka.

16—BANKS, STORES AND OFFICES

Sub-Contracts Awarded.
STORE Cost, $25,000
SAN MATEO, San Mateo Co., Cal. No. 240-246 B Street.
One and one-half-story reinforced concrete store building (50x108 ft.); two stores.
Owner—H. Van Oorschot.
Architect—Not Given.
Lessee—F. W. Woolworth Co.
Contractor — H. H. Larsen, 64 South Park, San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Steel Sash — Michel & Pfeffer Iron Works, 10th and Harrison Sts., San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Excavation and Materials—H. E. Casey Co., San Mateo.

Preparing Working Drawings.
ALTER STORES Cost, $35,000
SALINAS, Monterey Co., Cal. No. 343-355 Main Street.
Alterations to one-story steel and concrete building (150 ft. frontage), eight stories).
Owner—A. Balich, San Juan Road, Salinas.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Bids will be asked in about four weeks.

Contract Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. 1520 Broadway.
Alterations to store building (new front and fixtures, etc.)
Owner—Clark Investment Company.
Contractor—Geo. Swanstrom, 1615 78th Ave., Oakland.

Additional Contracts Awarded.
STORE Cost, $90,000
SAN BERNARDINO, San Bernardino Co., Cal. SW E and Court Sts.
Three - story and basement Class A store building (63x164 feet) reinforced concrete walls, partitions and floor and roof slabs, structural steel, etc.
Owner—Montgomery Ward & Co.
Plans by Engineering Dept. of Owner, Chicago.
Contractor—Bakker & Robertson, 732 D St., San Bernardino.
Electric—Paige Elec. Co., San Bernardino.
Heating, Plumbing and Ventilating—Geo. M. Cooley, San Bernardino.

Sub-Contracts Awarded.
STORES Cost, $7000
SAN FRANCISCO. NW 20th Avenue and Noriega St.
One-story frame store.
Owner—Crocker First Federal Trust Co., Post and Montgomery Streets
Engineer—T. Ronneberg, Crocker Building.
Contractor—Barrett & Hlip, 918 Harrison Street.
Lumber—Loop Lumber Co., Central Basin.
Sheet Metal—Morrison & Co., 74 Duboce Avenue.
Miscellaneous Iron—Fair Mfg. Co., 617 Bryant Street.
Plumbing—Higgins & Kraus, 741 Tehama Street.

Additional Contracts Awarded.
STORE Cost, $——
POMONA, Los Angeles Co., Cal.
Two-story and basement and mezzanine floor store bldg. (steel frame, wood joists, reinforced concrete footings).
Owner — Montgomery Ward & Company, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—R. Wescott Co., 536 So. Broadway, Pasadena.
Electric—Eugene M. Cox, Pomona.
Heating and Plumbing—H. G. Case & Co., Pomona.
Ventilating — Pomona Sheet Metal Works, Pomona.

Contract Awarded.
ALTER RESTAURANT Cost, $2000
SAN FRANCISCO. 68-70 Eddy St.
Alterations to restaurant.
Owner—Club Tivoli, Inc., 70 Eddy St.
Architect—Not Given.
Contractor—C. M. Storeide, 4026 California Street.

To Be Done By Day's Work.
ALTER RESTAURANT Cost, $2000
VALLEJO, Solano Co., Cal. No. 421 Georgia Street.
Alterations to restaurant (decorations, general repairs, equipment, etc.)
Owner—Tom Alexander and John Anthony.
Architect—Not Given.

Contract Awarded.
ALTER BLDG. Cont. Price, $3400
FRESNO, Fresno Co. Cal. No. 1416 Broadway.
Alterations and additions to store building.
Owner—Mrs. Clara Hoefer, 2605 Mariposa St., Fresno.
Architect — Swartz & Ryland, Brix Bldg., Fresno.
Contractor—Trewitt-Shields Co., Pacifice Southwest Bldg., Fresno.

Contract Awarded.
BUILDING Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 1342 Naglee Avenue.
One-story science building.
Owner—Rosicrucian Order, Premises.
Plans by Owner.
Contractor—Paul Anderson, 1210 Lincoln Ave., San Jose.

CONTRACT AWARDED.
REPAIR LOFT. Cost, $1,500
SAN FRANCISCO, Calif., 682 Mission Street.
Repairs to loft building.
Owner—N. Zorvich, 2048 Market St.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St.

Sub-Bids Being Taken.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. Sixteenth St. and Telegraph Ave.
Alterations to store (interior decorating, new front, plastering, Vitrolite, glazing, terazzo, etc.)
Owner—Moss Stores.
Architect—Fred H. Relmers, 233 Post St., San Francisco.
Rudolph Blatner, Manager of the huilding, 16th St. and Telegraph Ave., Oakland, is taking sub-bids.

ting to voters on March 20 a bond issue to finance construction of the new county office building, providing the Los Angeles Board of Education holds its school bond election on that date. An election will be necessary before Federal funds for the structure, estimated to cost $2,115,200, are available. Although the Board of Education has set March 20 for its election date, official announcement to the supervisors is being withheld until the amount of the hond issue has been definitely determined. Architects Albert C. Martin, Albert R. Walker, Earl Heitschmidt, Edgar W. Maybury and Aleck Curlett were recently selected by the supervisors to propare plans for the county building.

Additional Sub-Contracts Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. No. 1215 Washington Street.
Alterations to store building for millinery shop.
Owner — Alexander's Inc., 438 Kearny St., San Francisco.
Architect—Not Given.
Contractor—S. Kulchar & Co., 731 E-Tenth St., Oakland.
Marble Work—Ray Cook Marble Co., 1535 Powell St., Oakland.
Plumbing—Carl T. Doell Co., 467 21st St., Oakland.
Electric—California Electric Co., Ltd., 115 12th St., Oakland.

Contract Awarded.
REINFORCEMENT Cost, $1100
SAN FRANCISCO. No. 52 Kearny St.
Earthquake reinforcement to present building.
Owner — Anna Maskey (Maskey's Candy Store), Premises.
Architect—Norman Coulter, 46 Kearny St., San Francisco.
Contractor—L. M. Bruce, 3553 Divisadero St., San Francisco.

Contract Awarded.
ADDITION Cost, $100,000
SAN FRANCISCO. No. 1097 Howard Street.
Concrete addition to present structure (assembly hall, additional lobby space, offices, lavatories, stock room, club rooms, rest rooms weaving room, typing rooms; improve hospital room).
Owner—San Francisco Association For The Blind, 1097 Howard St.
Architect — Henry H. Gutterson, 526 Powell St., San Francisco.
Engineer—Walter L. Huber, 1 Montgomery St., San Francisco.
Contractor—A. H. Wilhelm, 666 Mission St., San Francisco.

Contract Awarded.
ALTER BLDG. Cost, $2000
OAKLAND, Alameda Co., Calif. 2425 Broadway.
Alterations to present building.
Owner—Hibernia Savings & Loan Aociety.
Architect—Not Given.
Contractor — F. A. Muller, Syndicate Bldg., Oakland.

Planned.
ALTER BLDG. Cost, $——
STOCKTON, San Joaquin Co., Cal. California and Market Sts.
Alterations to two-story and basement building for broadcasting studio. offices and storage building (work involves glass panel partitions, carpentry, etc.)
Owner — E. H. Peffer (Peffer Music Co.), 40 S-California St., Stockton
Architect—Not Selected.
Mr. Peffer has leased the former post office building from the U. S. Government. Further details will be announced within one week.

Sub-Contracts Awarded.
STORE Cost, $13,500
SAN JOSE, Santa Clara Co., Calif. Santa Clara St. bet. 12th and 13th.
One - story reinf. concrete store bldg. (50x100 feet) concrete floors, ten-year guaranteed built-up roof.
Owner—Safeway Stores.
Architect—Chas. McKenzie, Twohy Bldg., San Jose.
Contractor—John Lannin, San Jose.
Plumbing—Wm. Ehlert, 956 The Alameda, San Jose.
Electric Wiring—Roy Butcher, 1020 Sherwood, San Jose.
Terra Cotta—Gladding, McBean & Co. 660 Market St., San Francisco.
Steel—San Jose Steel Racing Co., 13th and Berryessa Road, San Jose.
Glass and Glazing—East Bay Glass Co. 418 S Market St., San Jose.
Lumber—McElroy Chem Co., 1450 The Alameda, San Jose.
The first section of the forms are in place.

17— THEATRES

Contract Awarded.
REPAIR THEATRE Cost, $——
SAN FRANCISCO, Sixteenth and Capp Sts. (Victoria Theatre).
Alterations and additions to theatre (to seat 1000) work involves new projection room, wiring, plastering, carpentry, heating (hot air heating system), painting, roofing etc.
Owner—Lachman Investment Co.
Architect—S. Heiman, 605 Market St., San Francisco.
Carpentry—William Irwin, Premises.
Roofing—Malott & Peterson, 20th and Harrison Sts.
Heating—Wm. D. Cashel, 739 Clementina St.
Painting—D. Zelinsky, 165 Grove St.
Electric—Chas. Shipman, 107 7th Ave.

Contract Awarded.
THEATRE Cost, $50,000
ALMIRA, Washington. Grand Coulee Dam.
Construct theatre building (60x120 ft.) to seat 1000.
Owner—Edwin F. James, 1901 Fifth Ave., Seattle, Wash.
Architect—Henry S. Bittman, Securities Bldg., Seattle.
Contractor —A. S. Hansen Co., 2200 25th Ave., South, Seattle, Wash.

19—MISC. CONSTRUCTION

CONTRACTS AWARDED
BONNEVILLE, Oregon—Geo. Waale Co., Portland, Oregon, at $28,717 awarded contract for the construction of camp bunkhouses at the Bonneville dam site. Followlng sub-contracs awarded:
Plumbing & heating, Eugene Ruedy, 116 Second St.; electrical work and street lighting, A. J. Hunergard Co., Davis Bldg.; finishing hardware, Crown Hardware Co., 147 Fourth St.; roofing and sheet metal, Arrow Sheet Metal Works, 5937 N. Denver St.; clearing and grading of streets, Oscar Butler, 4341 N. E. Beech St.: mill work, Spaulding Logging Co., Pacific Bldg.; kitchen equipment, Dohrmann Hotel Supply Co., 13th Ave. and Glisan St.; lumher, Clark County Lumber Co., Vancouver, Wn.

CONTRACT AWARDED
MARE ISLAND, Cal.—Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco, at $25,950 awarded contract by Public Works Office, Mare Island, for two 200 hp. boilers to furnish steam service for quay wall at Mare Island, involving boilers, settings, fuel oil pump, feed water pump and appurtenances. Spec. No. 7588.

CONTRACTS AWARDED
SAN FRANCISCO—San Francisco Water Department awarded the following contracts for work at the San Water Department involving
(1) Miscellaneous works:
(a) 26 sag rods;
(b) wind cone support repair, new gutters and spouts for hangar No. 1, remove and replace walk on roof of hangar No. 1 and replacing broken glass, etc., in Beacon Tower on roof of hangar No. 1;
(c) 300 lin. ft. hangar drain ditches;
(2) Waterproofing building, involving:
(a) 56 squares, waterproofing stucco walls;
(b) 447 squares waterproofing corrugated steel roof;
(c) 180 squares, waterproofing corrugated steel walls;
(3) Painting hangars, involving:
(a) 454 squares, painting (two coats) in hangar roof exterior;
(b) 50 squares, painting structural steel.
(1) Gill-Mann Co., 775 Tehama St., San Francisco, $534.92.
(2) Gill-Mann Co., $995.06.
(3) George Ames, 405 Howard Ave., Burlingame, $697.50.
Complete bids published January 29.

Correction in Bid.
BERKELEY, Alameda Co., Calif.—In our issue of January 27th the bid of J. M. Walker, on item 5 was reported as $7,131. This was in error and should have read $8,131. Complete bids published January 27th.

NOTICE OF SALE.
SANTA CLARA, Santa Clara Co., Cal.—Until Feb. 13, bids will be received by the Santa Clara School District for the sale of a house and barn located at 1445 Fremont Street, Santa Clara. Lot must be left clear and graded to the level of the adjacent playground. Bids will be received at the Santa Clara high school building. Check for 10% of the offered purchase price must accompany the bid.

ADDITIONAL PROSPECTIVE BIDDERS.
BOISE, Idaho.—Additional contractors who have procured plans for the purpose of submitting bids to the Veterans' Administration on Feb. 6, for the construction of an incinerator and incinerator house at the Veterans' Administration Facility, Boise, are as follows: Andrew F. Mowat, McDowell Bldg., Seattle; Enterprise Foundry Corp., San Francisco; Rust Engr. Co., Pittsburgh, Pa.; Ed. L. Stock, Washington, D. C.; Olson Mfg. Co., Boise; Singer Kennedy Corp., 203 S Dearborn St., Chicago.
H. J. McNeal, Caldwell, Idaho.
Safety Incinerator Co., Inc., 3329 Sunset Blvd., Los Angeles.
C. E. Johnson, Glenns Ferry, Idaho.
Allen E. Beals Corp., 129 Graybar Bldg., New York City.
Olson Mfg. Co., 5th and Front Sts., Boise.

BIDS WANTED
SAN DIEGO, Cal.—Until February 12, 11 A. M., bids will be received by Captain DeWitt C. Webb, Public Works Officer, Headquarters, 11th 11th tNaval District, Foot of Broadway, San Diego, under Spec. No. 7611, for repairs to Locomotive Crane Boiler

(4) 1,000 cu. yds. Class B do;
(5) 362,000 sq. ft. shoulders;
(6) 4,420,000 lbs. reinf. steel;
(7) 445,000 lbs. struc. steel;
(8) 12,150 cu. yds. Class A concrete (structures);
(9) 3,200 cu. yds. Class B do;
(10) 37,700 sq. ft. 8-in. Portland cem. concrete pavement;
(11) 30,400 sq. ft. 6-in. do;
(12) 44,000 sq. ft. asph. conc.;
(13) 724,000 sq. ft. penetration oil macadam pavement;
(14) 2,725 lin. ft. 6-in. concrete curbs;
(15) 945 lin. ft. 12-in. do;
(16) 46 lin. ft. 6-in. conc. curb with guard;
(17) 4,300 sq. ft. concrete gutters;
(18) 21,000 sq. ft. cement sidewalks;
(19) 15 fill protectors (each);
(20) 1,470 lin. ft. 8-in. CMP culvert;
(21) 210 lin. ft. 12-in. do;
(22) 3,300 lin. ft. 18-in. do;
(23) 340 lin. ft. 10-in. "S" reinf. conc. pipe culvert;
(24) 750 lin. ft. 12-in. do;
(25) 430 lin. ft. 15-in. do;
(26) 85 lin. ft. 18-in. do;
(27) 1,470 lin. ft. 24-in., "X" do;
(28) 680 lin. ft. 36-in. "X" do;
(29) 190 lin. ft. 6-in. vit. pipe sewers;
(30) 415 lin. ft. 8-in. do;
(31) 10 each manholes (standard top);
(32) 5 each manholes (inlet tops);
(33) 4 each manholes (grating tops);
(34) 1 storm water inlet, 34-in. opening;
(35) 10 each storm water inlets "B";
(36) 12 each storm water inlets "C";
(37) 1 lamphole, 6-in.;
(38) 1 lamphole, 8-in.;
(39) 3 each lampholes, 12-in.;
(40) 1 handhole;
(41) 4,100 lin. ft. 8-in. perforated CMP underdrains;
(42) 2,020 lin. ft. 6-in. cast iron piping;
(43) 12,400 lin. ft. guard rail;
(44) 640 lin. ft. pipe hand rail;
(45) 220 cu. yds. riprap;
(46) 46,000 lbs. metal cribbing;
(47) 330 cu. yds. stone or gravel for foundations;
(48) 5,620 lin. ft. tunnel construction, Type A;
(49) 200 lin. ft. do, Type B;
(50) 322 lin. ft. cross adits;
(51) lump sum, ventilation buildings, West Bldg. & East Bldg., complete;
(52) lump sum, ventilation equipment, furnishing and installing complete;
(53) lump sum, mechanical equipment furnishing and installing complete;
(54) lump sum, electrical equipment, furnishing and installing complete;
(55) lump sum, carbon monoxide detectors and recorders, furnishing and installing, complete.

Plans and specifications are available at the office of the district engineer, 1448 Webster St., Oakland, upon deposit of $50.

SUB-CONTRACT AWARDED

ALAMEDA COUNTY, Cal. — MacDonald & Kahn, Ltd., 200 Financial Bldg., San Francisco, awarded subcontract to Moore Dry Dock Co., Foot of Adeline St., Oakland, for furnishing structural steel and machinery for the Park Street Bridge, Oakland.

AWARD

LOS ANGELES, Cal. — Bannister-Field Co., Ltd., 4101 Goodwin Ave., and Fred E. Potts, Union Bank Bldg., Los Angeles, at $40,916 awarded contract by the State Highway Commission, Sacramento, for construction of a bridge across Ramona Boulevard at Marengo Street in the City of Los Angeles, consisting of two reinforced concrete girder spans approximately 52 feet and 60 feet in length respectively, on reinforced concrete abutments and piers.

FUNDS APPROVED.

CASA GRANDE, Ariz.—An appropriation of $64,309 for constructing a bridge over the Santa Cruz Wash and for 17 drainage structures between Casa Grande and Sacaton bridge, has been approved by the Civil Works Administration. The bridge will be of ten spans and about 200 ft. long, all wood construction.

BIDS REJECTED.

DOUGLAS, Ariz.—All bids received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for constructing a concrete bridge and approaches at the Inspection Station, Douglas, were rejected. James A. Wetmore, Acting Supervising Architect.

Kersey & Co., Alamogordo, N. M., at $2998 (item 1) and 2468 (item 2)

BIDS WANTED.

SKAGIT CO., Wash.—Until Feb. 16, 2 P. M., bids will be received by the Board of County Commissioners of Skagit County, F. E. Bertrand, clerk, Court House, Mt. Vernon, Wash., for the construction of Skagit County Secondary Road Project No. 8, consisting of a bridge, etc., across Swinomish Slough in Sec. 11, involving:
(1) 2,500 cu. yds. of concrete;
(2) 21,000 lin. ft. timber and concrete piling;
(3) 400,000 lbs. struc. steel;
(4) 90,000 lbs. machinery;
(5) 200,000 lbs. reinf. steel;
(6) 60,000 FBM lumber.

Plans and specifications obtainable from above office upon a deposit of $25.00 which will be returned upon return of plans and specications at the time of opening bids, and $20.00 of which will be returned in any case if plans and specifications are returned within one month after opening bids.

BIDS OPENED.

LOS ANGELES and Orange Counties, Cal.—E. G. Perham, 1128 Stearns Drive, at $3975 (1) and at $4125 (2), submitted low bid to the Los Angeles County Supervisors, January 23, for constructing a timber and steel bridge on Fullerton Road (base road) over Coyote Creek in Los Angeles and Orange counties.

AMENDED APPLICATION FILED.

TACOMA, Wash.—The City of Tacoma has filed an amended application to the Federal Administration of Public Works for a loan and grant of $2,600,000 for the construction of the proposed Narrows bridge.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS REJECTED

GOVERNMENT ISLAND, Cal.—All bids received by the U. S. Coast Guard Headquarters, Washington, D. C., for constructing, under one general contract, of a steel sheet pile bulkhead, approximately 2320 ft. in length, anchorages, a reinforced concrete pavement 6-in. thick by 12-ft. wide by approximately 1478 ft. long, and bollard piles and accessories, at the U. S. Coast Guard Base Eleven, Government Island, Oakland, have been rejected.

The work will be readvertised later.

23— IRRIGATION PROJ.

BIDS CANCELLED

STANISLAUS COUNTY, Calif. — Bids for approximately 2,000,000 sq. ft. of canal lining have been cancelled by the Directors of the Stanislaus Irrigation District and will not be reissued until approval of a Federal P. W. A. loan and grant is received.

VOTE OF CONFIDENCE.

IMPERIAL COUNTY, Cal.—The Imperial Irrigation District has withdrawn its opposition to the construction of the All-American Canal by the contract method and has voted a resolution of confidence in the Secretary of the Interior and the Commissioner of Reclamation.

24—STREET LIGHTING SYSTEM

CONTRACT AWARDED

ALBANY, Alameda Co., Cal. — A. Soda & Son, 1077 65th St., Oakland, at $10,849 awarded contract by Albany City Council for the installation of a street lighting system on San Pablo Ave., Albany.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SACRAMENTO, Cal.—The following bids were received by the Sacramento City Council for furnishing 9 dump bodies for the Garbage Department of the City of Sacramento:

Western Pipe & Steel Co., $10,341; Carpenter & Mendenhall, $10,793; S. S. Albright, $11,925; Berkeley Steel Co., $12,915; Palm Iron & Bridge Co., $13,882, and Frank Z. Ahl, $15,829.

BIDS OPENED

SAN FRANCISCO—General Engineering & Drydock Co., 1100 Sansome St., at $4081 electric control) submitted low bid to the U. S. Engineer Office, San Francisco, for manufacturing and delivering two 66-in. by 24-in., watertight bulkhead doors of an approved dsign for the U. S. Dredge "A. Mackenzie."

American Locomotive Co., Schnectady, New York, at $8492 (hydraulic control) submitted only other bid.

BIDS OPENED.

SAN FRANCISCO.—Sutton & Gilman, 55 New Montgomery St., at $1,300 submitted only bid to T. A. Brooks Purchaser of Supplies, San Francisco, for the purchase of (1) compressor with belt, Ser. No. 45068 and 45069, 17x10x14 I.R. Type 10xB, and (2) 100-hp. Westinghouse 3-phase, 440-volt motor, Serial No. 2,613,530, with one Westinghouse Type A auto starter, No. 290,479, under Sale No. 90.

PLANNED.

HEMET, Riverside Co., Calif.—The Little Lake Mutual Water Co. has voted to purchase a 97-hp. natural gas engine to cost approximately $3500.

The Fruitvale Mutual Water Co. is reported to have plans for installing six such engines before May 1.

CONTRACT AWARDED.

PORTERVILLE, Tulare Co., Cal.—Bradford Machinery Co., Porterville, awarded contract on cost plus basis by the city council of Porterville, for repairs on Triplex pumping plant at Third and Harrison Sts., Porterville.

D. P. Kinney, city manager.

26— RAILROADS

AWARD

FORT HUACHUCA, Arizona—Shannahan Bros., 406 S. Main St., Los Angeles, at $12,800 awarded contract by the War Department on January 24, for the construction of a coal spur at Fort Huachuca.

28—FIRE EQUIPMENT

LOS ANGELES, Cal.—The following submitted identical bids at $10,880.10 (5%) to A. J. Holm, Los Angeles City Purchasing Agent, January

17, for furnishing and delivering to Los Angeles Fire Department, f.o.b. 2339 E 9th St., one motor-propelled combination water tank and hose wagon under Spec. No. 3288:

Ahrens-Fox Engr. Co., delivery, 60 to 70 working days.

American La France and Foamite Corp., delivery, 30 working days.

Seagrave Corp., delivery 75 working days.

30—RESERVOIRS & DAMS

BIDS WANTED

GOLETA, Santa Barbara County, Cal.—Until February 7, 8 P. M., bids will be received by the Ellwood Union School District, for the following project at Ellwood Union School, Goleta:

PROJECT II—Furnishing all labor materials and equipment for and constructing completely, including approximately 30 cubic yards of excavation, 30,000 gallon circular reinforced concrete reservoir, diameter 22½ ft. depth of water 10 feet, wood roof with composition covering.

(ALTERNATE-PROJECT II)—Construction of a 15,000-gallon circular reinforced concrete reservoir, diameter 16 feet, depth of water 10 ft., but otherwise as above specified.

Plans and specifications obtainable from Gordon MacLeish, Engineer, 1527 Olive St., Santa Barbara, upon deposit of $5. Mattie Rundson, Clerk.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Case Const. Co., 905 Westminister, Alhambra, at $8096 awarded contract by the Los Angeles County Supervisors for gunniting of right abutment of San Gabriel Dam No. 2 in vicinity of spillway.

Complete bids published January 4. E. C. Eaton, 602 Civic Center Bldg., county flood control engineer.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BID CALL POSTPONED

LAGUNA BEACH, Cal.—Until Feb. 9, 7:30 P. M., (time extended from Feb. 2, as originally set) bids will be received by the Laguna Beach City Council for constructing an activated sludge sewage treatment plant and lateral sewer system.

BIDS WANTED

ONTARIO, San Bernardino County, Calif.—Until February 19, 7:30 p. m., bids will be received by the Ontario City Council for constructing an activated sludge type sewage disposal plant and an outfall sewer system under the recent $81,000 Federal PWA loan and grant ($60,000 and $20,000, respectively). A $60,000 bond issue was voted December 5.

The preliminary quantities follow:

DISPOSAL PLANT:
6,400 c. y. excavation.
1,200 c. y. concrete.
58.6 tons rsinforced steel.
15,160 sq. ft. cement finish.
10,000 sq. ft. sludge bed.
Carpentry and millwork.
Cast iron pipe and fittings.
Galv. iron pipe and fittings.
Miscellaneous iron.
Painting.

OPERATING EQUIPMENT
1 rectangular clarifier.
1 circular clarifier.
1 digester mechanism.
5 blowers and motors.
430 sq. ft. diffuser plates.
1 chlorinator.
1 scales.
1 water heater and tank.
2 centrifugal pumps and motors.
1 plunger pump and motor.
Switchboard and wiring.
Placing equipment and piping.

OUTFALL SEWERS
1,200 ft. 18-in. vitried clay sewer pipe, average depth 6-ft.
1,450 ft. 15-inch vitrified clay sewer pipe, average depth 6-ft.
5 manholes.

Plans prepared by Currie Engineering Co., 219 Andreson Block, San Bernardino, will be ready for bidders about January 31. Copies may be obtained upon a deposit of $15, of which $8 will be returnable. C. C. Peabody is the city clerk.

BIDS WANTED

ALAMEDA, Cal.—Until February 6, 8 P. M., bids will be received by D. Elmer Dyer, City Clerk, Alameda, for furnishing vitrified pipe, 2050' 21", and to be used for sewer from Tynan Ave. 2050 feet to the Northside sewer in Alameda.

Plans and specifications obtainable from City Engineer, George Sperbeck, Alameda.

ELECTION

GLENDALE, Arizona — A special election will be held February 19 at which time the voters will pass on a $12,000 bond issue to finance the construction of an extension to the sanitary sewer system.

ADDITIONAL PROSPECTIVE BIDDERS.

LAGUNA BEACH, Cal.—The following have procured plans and specifications for the Laguna Beach City Sewer System and Disposal Plant, bids for which will be received February 9:

John Grancich, 1117 N Gage St., Los Angeles.

V. C. K. Const. Co., 5629 Via Corona, Los Angeles.

Link-Belt Co., 365 S Anderson St., Los Angeles.

Gogo & Rados, 10,024 S Figueroa St. Los Angeles.

Myers Bros., 3407 San Fernando Rd. Los Angeles.

Garrett & Co., 333 S Pacific, San Pedro.

Mel Lippman, 4344 S Arlington, Los Angeles.

Bebek & Krkich, 421 N Record St., Los Angeles.

Matick Bros., Elsinore.

AWARD

WILLOW GLEN, Cal.—California Concrete Products Co., P. O. Box 130k, San Jose, at $1046.68 awarded contract by Willow Glen City Council for furnishing concrete sewer pipe for storm sewers bn Lincoln Ave., Willow Glen.

33— WATERWORKS

BIDS WANTED

GOLETA,Santa Barbara Co., Cal.—Until February 7, 8 P. M., bids will be received by the Ellwood Union School District, for the following projects at Ellwood Union School, Goleta:

PROJECT I—Furnishing all labor, materials, apparatus and machinery for and installing completely a hydro-pneumatic pumping plant, capacity 40 gallons a minute at 65 pounds pressure. Goulds Figure 1741; pump 4-in. by 2¾-in. electric drive, vertical pressure tank 3 feet by 7½ ft.

Plans and specifications obtainable from Gordon MacLeish, Engineer, 1527 Olive St., Santa Barbara, upon deposit of $5. Mattie Rundson, Clerk.

CONSTRUCTION STARTED.

HEBER, Imperial Co., Calif.—Construction of the new municipal water plant in the Heber Public Utility District has been started as a CWA project. Bonds in the sum of $15,000 (sold to R.F.C.) and additional CWA funds provide the $19,600, estimated cost. The work includes a 16,000-gal. tank, pumping plant, settling basin and distributing system. Phil W. Knights, engineer.

BOND FORFEITED.

LOS ANGELES, Cal.—The Massachusetts Bonding & Insurance Co., 458 S Spring St., has forwarded a check to the Los Angeles board of public works in the amount of $5300 covering the faithful performance bond of Gene B. Foster on the construction of Terminal Island pumping plant. The board has not yet decided whether they will complete the plant by contract or force account.

BIDS OPENED.

GLENDALE, Los Angeles Co., Cal.—The following bids were received by the Glendale city council for furnishing hub end vertical gate valves and cast iron pipe:

(1) 2 24-in. with spur gear and grease case;
(2) 3 20-in. do;
(3) 4 16-in. do;
(4) 4,000 ft. 16-in. Class "250" cast.

The bids were:

Crane Co., (1) $398.68 (2) $274.62 (3) $181.82.

Utilities Supply Co., (1) $398.68 (2) $274.62 (3) $181.82 (4) $3.30.

U. S. Pipe & Foundry Co., (4) $3.25.

American Cast Iron Pipe Co., (4) $3.30.

Lange Supply Co., (1) $398.68 (2) $274.62 (3) $181.82.

Water Works Supply Co., (1) $398.-68 (2) $274.62 (3) $181.82.

Hacker Pipe & Supply Co., (1) $398-.68 (2) $274.62 (3) $181.82.

Rensselaer Valve Co., (1) $398.68 (2) $274.62 (3) $181.82.

A. E. Lyon, Inc., (1) $398.68 (2) $274.62 (3) $181.82.

Renco, Inc., (1) $398.68 (2) $274.62 (3) $181.82.

BIDS REJECTED

FRESNO, Cal.—All bids received by Fresno City Commission, January 25, for furnishing cast iron pipe for the Water Dept. were rejected. Bids were for furnishing the following items:

(1) 4900 ft. 8-in. cast iron pipe;
(2) 10,400 ft. 10-in. cast iron pipe;
(3) 500 ft. 12-in. cast iron pipe.

The bids were:

Utilities Supply Co., Los Angeles, $20,334.

American Cast Iron Pipe Co., San Francisco, $20,893.

Pacific States Cast Iron Pipe Co., San Francisco, $20,918.

BIDS OPENED

LOS GATOS, Santa Clara Co., Cal.—Pacific Pipe Co., 20th and Cypress Aves., Oakland, at $698 submitted low bid to Los Gatos High School Trustees for an underground sprinkler system for the athletic field at the High School, Los Gatos. Following bids received:

Pacific Pipe Co., Oakland	$698.00
Brooks of California, L. A.	783.80
Oak Tree Nursery, Los Gatos	784.12
Saratoga Plbg. Co., Saratoga	811.00
Berryman & Sons, Los Gatos	814.20
Fred Ewing, Los Gatos	817.50
Jos. Volpa, Los Gatos	820.00

Bids held under advisement.

BIDS OPENED.

SAN FRANCISCO. — Until February 16, 3 p. m., bids will be received by the Public Utilities Commission, Room 251 City Hall, San Francisco, for furnishing and delivering f. o. b. cars at Sunol, the following gate valves for the Calaveras Pipe Line:

(1) 2 36-in. diameter, rising stem, double disc, gate valves for 100 lbs. working pressure.
(2) 1 36-inch diameter, rising stem, double disc, gate valve for 215 lbs. working pressure.

Bid. No. 1148. Specifications obtainable from the above office and from

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. INDIAN SERVICE

SACATON, Arizona—Until February 5, 10 A. M., bids will be received by A. H. Kneale, Supt. Sacaton Indian Agency, for one carload of hard rough redwood lumber.

Specifications available from Department of Interior, Underwood Bldg., San Francisco.

ALBUQUERQUE, N. M.—H. C. Neuffer, Supervising Engineer of Indian Irrigation Service, will take bids immediately for the moving of an excavating shovel weighing 51,000 lbs. from Gallup to Rock Point, Arizona, a distance of 175 miles; and the moving of a dragline shovel weighing 81,000 lbs., from Gallup to Fruitland, 115 miles. The movers will be responsible for damage to highways, bridges, and other property.

NAVY DEPARTMENT

PEARL HARBOR, T. H. & MARE ISLAND, Cal.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., February 8, for two horizontal 2-stage motor-driven air compressors for the Naval Fleet Air Base, Navy Yard, Pearl Harbor, and one horizontal 2-stage motor-driven air compressor for the Navy Yard, Mare Island:

General Electric Co., Schenectady, New York.

Chicago Pneumatic Tool Co., 257 N. 12th St., Philadelphia.

Ingersoll Rand Co., Wilford Bldg., 33rd and Arch St., Philadelphia, Pa.

Pennsylvania Pump & Compressor Co., Easton, Pa.

Bury Compressor Co., 1722 Cascade St., Erie, Pa.

Nirdberg Mfg. Co., 3073 South Chase St., Milwaukee, Wisc.

Westinghouse Elec. & Machine Co., Chicago.

Wagner Elec. Corp., Philadelphia.

Cutter Hammer, Inc., Milwaukee, Wisc.

Square "D" Co., Industrial Controller Div., Milwaukee, Wisc.

Clark Controller Co., Cleveland, O.

Mechanical Engn. Co., 1215 H St., N. W., Washington, D. C.

Allis-Chalmer Mfg. Co., Milwaukee.

Hardie-Tynes Mfg. Co., P. O. Box 1392, Birmingham, Ala.

Worthington Pump & Machine Corp. 601 13th St., N. W., Washington, D. C.

Cooper-Bessemer Corp., Mills Bldg., Washington, D. C.

Elliot Co., 918 Washington Loan & Trust Bldg., Washington, D. C.

Drave Doyle Co., 1247 Broad Street Station Bldg., Philadelphia, Pa.

Stone Heating & Ventilation Co., 1406 Connecticut Ave., Washington, D. C.

Gardner-Denver Co., Quincey, Ill.

Sullivan Machinery Co., 400 N. Michigan Ave., Chicago.

Crocker—Wheeler Elec. Mfg. Co., Ampere, New Jersey.

BREMERTON, Wash.—Until Feb. 5, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, as follows:

LOCKS, Pad, special, "Electric," without chain and lug, 1⅝-inch, type II; 144. Req. NSA-8/8280.

LOCKS, Pad, special, storeroom, without chain and lug, 2-in., type I; 120. Req. NSA-8/8281.

BREMERTON, Wash.—Until Feb. 8, 10 A. M., bids will be received by the Supply Officer, Puget Sopnd Navy Yard, Bremerton, Wash., for furnishing 1600 F.B.M. lumber hardwood, maple (hard) or (sugar) No. 1 common.

SAN FRANCISCO, Cal.—Bids will be received by the Purchasing Officer, 12th Naval District, 100 Harrison St., San Francisco, as follows:

PUMP, centrifugal, 1½-in. and spare parts, U. S. S. Chicago, Sch. 15, February 1.

RED LEAD, dry, 5000 lbs, N. S. A. Stock, Sch. 445, Feb. 5.

STEEL BOLT MATERIAL, Hex. bars, 1400 lbs. Mare Island, Sch. 447, Feb. 5.

STEEL, soft round bars, 12,000 lbs., Mare Island, Sch. 449, Feb. 5.

LUMBER, hardwood, 8000 b. Ft., N. S. A. Stock, Sch. 645, Feb. 6.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous equipment as follows:

MACHINE, motor-driven milling, and equipment, Sch. 1635, Feb. 9—Mare Island.

NOTCHER MACHINE, motor-driven combination shear, punch, copper; Sch. 1641, Feb. 9—Mare Island.

SANDER, motor-driven disc and spindle, Sch. 1646, Feb. 9.

TEST INDICATORS, dial type, 100, Sch. 1661, Feb. 13—Mare Island.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until Feb. 8, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, Room 208, Post Office Bldg., Sacramento, for furnishing under Spec. No. 6083, f.o.b. Sacramento:

(1) 1 New Automobile Truck, 1½-ton capacity, 1934 Model.
(2) 1 New Automobile Truck, 2 tons capacity, 1934 Model.
(3) Pick-up Truck, 1934.

Bidders are to make allowance for the following:

1 Ford Pick-up Truck, 1929 Model.
1 Ford Station Wagon, 1930 Model.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until Feb. 8, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, Room 208, Post Office Bldg., Sacramento, for the sale of the following used equipment, under Order No. 6082:

(1) 1 Ford Station Wagon, 1930 Model
(2) 1 Ford Pick-up Truck, 1929 Model

Bidders may inspect above trucks upon application to the above office.

SAN FRANCISCO—Until February 5, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under No. 928-34-147—Miscellaneous, for the following supplies: 25 lbs. ALUMINUM-POWDER, for paints, extra fine, type B; 12 gals, VARNISH, Shellac, orange, type 1, heavy body; 30 gals. STAIN, oil, dark oak, light oak, walnut, and mahogany; 10 gals. TURPENTINE, for paint, type 1.

Specifications obtainable from above office.

SACRAMENTO, Cal. — Until Feb. 13, bids will be received by Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, for the following:

(1) Manufacturing and delivering 21 STEEL CYLINDRICAL PONTOONS, Specifications No. 5561.
(2) Manufacturing and delivering 21 STEEL CYLINDRICAL PONTOONS, Specifications No. 5562.

Specifications and drawings No. 70A-17-1050-5, obtainable from above office and at the office of the Division Engineer, Pacific Division, 414 Custom House, San Francisco.

Prospective bidders are advised that no funds are available at present for the purchase of these pontoons, but it is expected the funds will become available shortly. The work is being advertised now, instead of awaiting the availability of funds, in order to gain time. Award will be made if and when funds become available for the purpose.

RECLAMATION SERVICE

BOULDER CANYON, Nev. — Until February 19, 2 P. M., (postponed from February 5) bids will be received by the Bureau of Reclamation, Denver, Colo., for furnishing: (1) 12 96-inch diam. Paradox emergency gates; (2) 12 84-in. internal differential needle valves; Spec. No. 562.

No charge for specifications to prospective bonafide bidders; to others, $3. R. F. Walter, Chief Engineer.

BOULDER CANYON, Nev. — Until March 9 bids will be received by the Bureau of Reclamation, Denver, for furnishing the following under Spec. 565:

(1) 7 55,000 kv-a., 50/60 cycle, single-phase, 13,600/16,320 to 287,500 volt Y transformers;
(1 Alt.) 7 55,000 kv-a., 60 cycle, single-phase, 16,320 to 287,500 volt do;
(2) 4 13,333 kv-a., 60-cycle, single-phase, 13,600 to 138,000 volt do;
(3) 2 3,000 kv-a., 300-rpm., 3-phase, 60-cycle, 2,400-volt. a.c. generators, complete with direct connected main exciters and pilot exciters and spare parts.

The above is to be used for installation in the Boulder Power Plant, Boulder Canyon Project. All apparatus will be installed by the Government; on charge for specifications to prospective bona fide bidders; to others $1.50 not returnable.

CANAL ZONE

PANAMA CANAL ZONE — Until February 9, 10:30 A. M., bids will be received by the General Purchasing Officer, A. L. Flint, Panama Canal, Washington, D. C., under Schedule No. 2937, for furnishing materials for Madden Dam including electrical fixtures, glassware and accessories, cables, wires, cable connectors, pressure switches, magnetic switches, lighting and power cabinets and indicating-light stations.

Specifications obtainable from above office and at the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD.

PEND OREILLE COUNTY, Wash.—Arnett & Son, Sandpoint, Idaho, at $17,571 awarded contract by Washington State Highway Commission at Olympia for construction af steel girder undercrossing of the C. M. St. P. & P. R. R. Co. tracks with pile trestle approach spans and grading about 0.4 mile of approaches on State Road No. 6, Jared undercrossing, Unit 1 of U. S. Public Works Proj. No. NRS 193-A, in Pend Oreille county.

Other bids were: Clifton & Applegate, Spokane, at $21,944, and Colonial Bldg. Co., Spokane, at $22,313.

BIDS WANTED

MODOC COUNTY, Cal.—Until Feb. 15, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Shelldon Bldg., 461 Market St., San Francisco, for constructing a railroad overpass and approaches on Section B of Route 11, the Lava Beds National Forest Highway, Modoc National Forest, Modoc County, involving:

(1) 250 cu. yds. unclass. excav. for strucs.;
(2) 1500 cu. yds. unclass. excav. for borrow;
(3) 43 M.F.B.M. untreat. timber;
(4) 133 cu. yds. concrete;
(5) 7000 lbs. reinf. steel;
(6) 24,000 lb. struc. steel;
(7) 1000 lbs. blast plates;
(8) 290 sq. yds. asphalt plank wearing surface.

Plans and specifications obtainable from above office upon deposit of $10.

SUB-CONTRACT AWARDED

MARE ISLAND-VALLEJO, Cal.—Barrett & Hilp, 918 Harrison St., San Francisco, awarded sub-contract to Columbia Steel Co., Russ Bldg., San Francisco, for furnishing structural steel to be used for constructing a new causeway between Mare Island and Vallejo, approximately 4500 ft.long including a single leaf Bascule lift span of 75 ft. and operating mechanism complete.

CONTRACT AWARDED

VENTURA COUNTY, Cal.—Lindgren & Swinerton, Standard Oil Bldg., San Francisco, at $83,975 awarded contract by the State Highway Commission, Sacramento, for construction of an overhead crossing over the tracks of the Southern Pacific Company, near Ventura, consisting of nine 40-ft. and two 57-ft. 7 9/16-in. reinforced concrete girder spans and one 94-ft. 10⅝-in. steel span, in Ventura County.

BIDS WANTED.

SONOMA AND MENDOCINO COUNTIES.—Until February 9, 12 M., as previously reported, bids will be received at the office of the Sonoma County Clerk, Santa Rosa, to be opened at 1:30 p. m., by Directors of Joint Highway District No. 19, for construction of the Monte Rio Bridge across the Russian River. Bids will be received under three segregated contracts as follows:

Contract No. i.

(1) Clearing and grubbing.
(2) 16,000 c. y. roadway excavation.
(3) 8,000 sta. yards overhaul.
(4) 88 l. f. 18-in. C. M. P.
(5) 90 l. f. fence.
(6) 2,040 c. y. struc. excavation.
(7) 100 c. y. Class A concrete in footings.
(8) 2,090 c. y. Class A concrete in structure.
(9) 65 c. y. Class E concrete in railings.
(10) 7,800 l. f. redwood timber pile.
(11) 500 l. f. guardrail.
(12) 1 existing bridge removed.
(13) Replacing and repair or replacement of Dutch Bill Creek existing bridge requiring 24 M. F. B. M. Douglas Fir or Redwood timber for repair or 43 M. F. B. Fir or Redwood timber and additional piling if rebuilt.

Contract N. II.

(1) 17,248 lbs. cast steel including phosphor bronze plates.
(2) 766,000 lbs. struc. steel in place.

Contract No. III.

(1) 196,500 lbs. rein. steel, furnishing cut and in place.

Plans and specifications obtainable from J. B. Platt, District Engineer, Dougherty-Shea Bldg., Santa Rosa, at a cost of $15, and on file at the office of the County Clerk, Santa Rosa, and Attorney H. A. Postlethwaite, 58 Sutter St., S. F. Revision will be supplies without cost to contractors who previously purchased plans.

BIDS WANTED.

SANTA BARBARA CO., Cal.—Until February 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of two bridges, 27 and 28 miles north of Santa Barbara; one across Santa Ynez River consisting of eleven 65-ft. reinforced concrete girder spans and wo 25-ft. end cantilevers on concrete piers with pile foundation; and the other, across Santa Aqueda Creek consisting of two 44-ft. reinforced concrete girder spans and two 20-ft. end cantilevers on concrete bents, involving:

(1) 2,370 cu. yds. struc. excav.;
(2) 1,250 cu. yds. roadway excav., unclassified;
(3) 7,500 lin. ft. furnish creosoted Douglas fir piles (including test piles;
(4) 300 each, drive do;
(5) 580 cu. yds. Class A Portland cement concrete footings blocks
(6) 2,060 cu. yds. Class A Portland cem. conc. in struc.;
(7) 489,500 lbs. bar reinf. steel;
(8) 28,500 lbs. struc. steel;
(9) 1,890 lin. ft. solid timber railing;
(10) 1 only existing bridge, remove & dispose of;
(11) 85 cu. yds. light riprap;
(12) 1 lot misc. items of work.

Plans and specifications obtainable at above office, and are on file at the office of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED.

OAKLAND, Cal.—Until March 22, 2 P. M., as previously reported, bids will be received by the Board of Directors of Joint Highway District No. 13, at the office of Wallace Boggs, chief engineer, 1448 Webster St., Oakland, for construction of the Broadway low level tunnel and appurtenant structures. The project will provide an additional feeder to the new San Francisco - Oakland Bay Bridge now under construction and extends from the intersection of Keith Ave. and Broadway in Oakland, thence northerly for a direction of 2.82 miles to a point approximately 1500 feet north of the intersection of Claremont Road and Tunnel Road in Contra Costa Co. Structures and tunnels included in the project follow:

HIGHWAY TUNNELS: Two parallel throughout most of their entire length and brought together at the portals. The average length between the portal buildings is 2910 ft., 22-ft. concrete roadway, 3-ft. sidewalk, air conduits at three points, average conc. thickness throughout varies from 2 to 5 feet, transverse type ventilation. The tunnel walls will be drained with terra cotta and 3-in. cast iron drains.

PORTAL BUILDINGS: Each will be 44x10 ft. and 85 ft. high, of reinforced concrete and steel construction. There will also be two light control structures.

GOLDEN GATE Ave. and Overhead Structure: Is a reinf. concrete bridge with three spans and a total length of 146 ft., 44 ft. of roadway and two 5-ft. sidewalks.

LANDVALE OVERHEAD: Is a 3-span deck bridge of steel girder, reinforced concrete deck, columns and abutments; 140-ft. long, 44-ft. roadway and two 5-ft. sidewalks.

LANDVALE VIADUCT: Is a continuation of the Landvale overhead and is a trapezoidal-shaped structure, three-span, full roadway width viaduct followed by nine 30-ft. spans of half roadway width, side hill viaduct, 360-ft. long, of reinforced concrete construction.

SACRAMENTO NORTHERN Railway Grade Separation: Consists of two structures, one a highway underpass 117 ft. long and a 12x14 ft. opening, the other a railway underpass 144-ft. long 19x25 ft. opening, single track, reinforced concrete construction.

The total estimated quantities follow:

(1) 763,000 cu. yds. grading;
(2) 8,100,000 sta. yds. overhaul;
(3) 44,000 cu. yds. Class A struc. excavation;

the San Francisco Water Department, 425 Mason St.

BIDS OPENED

DALY CITY, San Mateo Co., Cal.—United States Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $4388.40 (item 1) and $516 (item 2) submitted low bid to City Council for furnishing:

(1) 4600 lin. ft. 8-in. cast iron water pipe.
(2) 1200 lin. ft. 4-in. cast iron water pipe.
(3) Total.

Bids follow:

United States Pipe & Foundry Co., San Francisco (1) $.954, $4388.40; (2) $.43, $516; (3) $4904.40.

Pacific States Cast Iron Pipe Co., San Francisco (1) $.982, $4517.20; (2) $.448, $537.60; (3) $5054.80.

Bids held under advisement until February 5.

AWARD.

MARCH FIELD, Riverside Co., Cal.—Peterson Bros., 239 Olive St., Inglewood, at $9,355 awarded contract by the War Department for installing a lawn sprinkling system at March Field.

BIDS WANTED.

FRESNO, Fresno Co., Calif.—Until February 8, 10 A. M., new bids will be received by the Fresno City Commission for furnishing cast iron pipe as follows:

(1) 4,900 ft. 8-in. pipe;
(2) 10,400 ft. 10-in. do;
(3) 500 ft. 12-in. do;

The bids received January 25 were rejected (as previously reported) because they did not comply with the specifications. Jean L. Vincenz, commissioner of public works.

Additional Prospective Bidders.

COLTON, San Bernardino Co., Cal. The following have procured plans for the construction of a water supply system and pump station, in the City of Colton, San Bernardino County, for which bids will be received February 5:

J. William Smith, 737 E. St., San Bernardino.
Kimball-Krogh Co., 1010 E. 62nd St., Los Angeles.
R. R. Bishop, 5017 E. Broadway, Long Beach.
J. A. Magill, Colton.
Fairbanks, Morse & Co., 427 E. 3rd St., Los Angeles.
Crane Co., 321 E. 3rd St., Los Angeles.
Byron-Jackson Co., 2150 E. Slauson Ave., Huntington Park.
West Coast Pipe & Steel Co., 2440 E. 15th St., Los Angeles.
Bannister-Field Company, Ltd., 1101 Goodwin Ave., Los Angeles.
Myers Bros., 3407 San Fernando Rd., Los Angeles.
W. J. Tobin, 3701 Balfour Ave., Oakland.
Blue Diamond Co., 1650 S. Alameda St., Los Angeles.
Western Industrial Engineers, 1626 Long Beach Blvd., Los Angeles.
John Oberg, 3470 E. 8th St., Los Angeles.
J. R. Lippincott, 714 W. 10th St., Los Angeles.
Peerless Pump Co., 1902 E. 67th St., Los Angeles.
J. F. Knapp Co., (Oakland), Byron Hotel, San Bernardino.
Mel Lippman, 4344 Arlington St., Los Angeles.
Cement Fun Constr. Co., 640 E. 61st St., Los Angeles.
Matich Bros., Elsinore.
Hood Constr. Co., 3123 Walnut St., Huntington Park.
State Steel Products, Inc., First and Santa Fe Sts., Santa Ana.

PERMISSION PETITIONED.

GILROY, Santa Clara Co., Calif.—The Gilroy City Council has petitioned Public Works Administration for permission to construct proposed municipal water supply system improvements by force account.

The city has been allotted a loan and grant of $37,000 for replacement of 13,000 ft. of the main supply line of the municipal water system. City Engineer Ray Fisher would supervise the reconstruction project.

The city has not yet called a bond issue which will be necessary to secure the loan and grant.

ELECTION.

COLUSA CO., Cal.—Colusa Board of Supervisors has set February 15 as the date for holding an election on the formation of the proposed Maxwell Public Utility District to include territory in the vicinity of Maxwell.

ELECTION.

CALAVERAS COUNTY, Calif.—Calaveras County Board of Supervisors has set March 6 as the date of a special election to be held within Calaveras Public Utility District for the purpose of electing three directors of said district.

BIDS WANTED.

LOS ANGELES, Cal.—Until Feb. 14 10 A. M., bids will be received by the Los Angeles Board of Public Works for completion of the Terminal Way Pumping Plant, involving:

(1) completion of the reinforced concrete pumping structures, gate chamber struc., including furnishing and installation of all equipment appurtenant thereto;

(2) grading and paving plant site, together with construction of walks and curbs, furnishing and applying sulphur-silica compound, metallizing and paint.

34—PARKS AND PLAYGROUNDS

BIDS WANTED.

OROVILLE, Butte Co., Cal.—Bids are being received by the Custodian, Oroville post office, for seeding and planting at the Oroville post office. Date of opening bids not yet set.

BIDS WANTED.

SACRAMENTO, Cal.—Until Feb. 14 blds will be received by the Custodian, Harold McCurry, Sacramento Post Office, for landscaping at the post office grounds.

BIDS WANTED.

MONTEREY, Monterey Co., Calif.—Bids are being received by the Custodian, Monterey post office, for seeding and planting for the post office at Monterey. Date of opening bids will be set within a few days.

BIDS WANTED.

PALO ALTO, Santa Clara Co., Cal.—Bids are being received by the Custodian, Palo Alto post office, for seeding and planting at the post office grounds at Palo Alto. Date of opening bids will be set within a few days.

BIDS WANTED.

OROVILLE, Butte Co., Calif.—Until Feb. 12, 3 P. M., bids will be received by the Custodian, Oroville post office, for seeding and planting the grounds of the Oroville post office.

BIDS WANTED.

PORT ANGELES, Wash.—Bids are being received by the Custodian, post office, Port Angeles, for seeding and planting at the U. S. post office in Port Angeles.

BIDS WANTED.

ALAMEDA, Alameda Co., Cal.—Bids are being received by the Custodian, Alameda post office, for planting and seeding for the U. S. post office in Alameda.

BIDS WANTED

SEIMOS, Wash.—Bids are being received by the Custodian, Immigration Station, Seimos, Washington, for seeding and planting at the Immigration Station, Seimos, Wash.

PLANNED
BIDS OPENED.

MARYSVILLE, Yuba Co., Cal.—Central Coast Nursery, Monterey, at $249 submitted low bid to the Custodian, Marysville post office, for seeding and planting at the post office grounds. Following bids received:

Central Coast Nursery, Monterey	$249.00
Eunce Nursery, Yuba City	306.00
Walter A. Hoff, San Francisco	532.75
E. Mueller, Yuba City	795.00

Bids held under advisement.

BIDS OPENED.

HAMILTON FIELD, Marin Co., Cal.—Harry C. Richards at $592.50 submitted low bid to Constructing Quartermaster, Hamilton. Field, for 50,000 pounds of Bermuda grass for planting at Hamilton Field. Following bids received:

Harry C. Richards	$ 592.50
Edward Jackson	850.00
Albert Siemer	975.00
Otis H. Smith	1,250.00

Bids held under advisement.

29—STREETS AND HIGHWAYS

NO BIDS RECEIVED.

FAIRFAX, Calif.—No bids were received by the Fairfax City Council, Jan. 28, 8 p. m., for street improvement. Further proceedings on the project have been delayed indefinitely.

AWARD.

FRANCE FIELD, C. Z.—Tucker McClure, Los Angeles, at $82,800 awarded contract by the War Department, for installation of coral runways at France Field, Canal Zone; Proj. 7.

The other bidders were:

Navarro & Co., Panama City, Republic de Panama, $105,000.

Grebien & Martinez, Panama City, $99,216.

Thos. J. Butler and Albert H. Geddes, Cristobal, C. Z., $115,100.

Novey & Luttrell, Ancon, C. Z., $99,850.

CONTRACT AWARDED

LOS ANGELES, Cal.—Martter & Bock 1007 S. Harvard Blvd., Los Angeles, at $24,464.51 awarded contract by the Los Angeles Board of Public Works, January 29, for grading and paving Figueroa St., between Avenue 50 and Woodside Drive. Bids were opened January 10.

AWARD.

LANE & DOUGLAS COS., Oregon—F. J. Kernan, Faloma, Ore., at $78,690 awarded contract by the U. S. Bureau of Public Roads, Portland, for applying oil macadam on Oregon Highway Project NR 5-D3, E2, F2, J1, (Lane County line to Berry Creek) and NR 5 G3, H1, I1, (Glenada to Gardiner) National Forest Project, Siuslaw National Forest, Lane and Dougals Counties, Ore. The length of the project is approximately 32.521 miles. Com-

BIDS WANTED.

OAKLAND, Cal.—Until February 15, 9 P. M., bids will be received by W. W. Chappell, city clerk, for repairing of 23rd Ave. between Railroad and 29th Ave., involving:

(1) 62,986 sq. ft. grading, including 4-in. rock sub-foundation;
(2) 62,986 sq. ft. concrete paving;
(3) 142 tons asphalt concrete.

Plans available from the engineer's office, Oakland. No deposit required.

BIDS WANTED.

CLARK COUNTY, Nev.—Until Feb. 14, 2 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for surfacing a portion of the State Highway System in Clark County between Charleston Park Road and Indian Springs, Route 5, Sections F and G, a length of approximately 26.98 mi., involving:
(1) 150 acres clear and grub;
(2) 109,600 cu. yds. rdwy. excav.;
(3) 51,800 yd. sta. overhaul;
(4) 7,891 cu. yds. select borrow;
(5) 3,880 cu. yds. struc. excav.;
(6) 26.98 miles subgrade;
(7) 63,700 cu. yds. crushed gravel or stone surface;
(8) 472 cu. yds. Class B concrete;
(9) 12,270 lbs. reinf. steel;
(10) 134 lin. ft. 18-in. cor. metal pipe
(11) 3,532 lin. ft. 24-in. do;
(12) 1,638 lin. ft. 30-in. do;
(13) 1,302 lin. ft. 36lin. do;
(14) 74 lin. ft. 48-in. do;
(15) 60 monuments;
(16) 445,148 gals. asph. road material, Type SC-2;
(17) 39,569 gals. do, Type MC-2;
(18) 26.98 miles roadmix;
(19) 26.98 miles finish roadway.

Plans and specifications obtainable from above office upon a deposit of $5 for each set; $2.50 returnable if plans are returned within 30 days after the opening date.

BIDS WANTED.

MOHAVE COUNTY, Arizona—Until February 20, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Building, San Francisco, for grading Section B of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave Co., involving:
(1) 387,550 cu. yds. unclass. excav.;
(2) 4,560 cu. yds. unclass. excav. for structures;
(3) 100,000 sta. yds. overhaul;
(4) 10.772 miles finish earth graded road;
(5) 2,491 cu. yds. concrete;
(6) 233,545 lbs. reinf. steel;
(7) 8,808 lin. ft. corru. metal pipe;
(8) 215 cu. yds. hand-laid riprap;
(9) 44,095 lin. ft. wire-cable guard rail;
(10) 900 lin. ft. grader ditches.

Plans and specifications obtainable from above office upon deposit of $10.

SAN FRANCISCO—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) sidewalks on the west one-half of Ralston Street from Garfield to Shields Sts., et al.

The work involves 15,000 sq. ft. of one-course sidewalk. Estimated cost, $2250.

AWARD.

APACHE AND NAVAJO COUNTIES, Ariz.—Everly and Allison, Albuquerque, N. M., at $82,269 awarded contract by Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, Ariz., for placing a crushed gravel base course on Sections A and B1 of Route 1, and all of Route 2, in the Petrified Forest National Monument, Apache and Navajo Counties, Ariz.

CONTRACT AWARDED.

CHELAN COUNTY, Wash. — Lucich and Co., Seattle, Wash., at $112,093 awarded contract by the Bureau of Public Roads, Portland, Oregon, for grading 3.008 miles of Stevens Pass Highway Project NR 8-A3, National Forest Road Project, Wenatchee National Forest, Chelan County

BIDS WANTED.

VENTURA COUNTY, Calif.—Until February 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and treating with fuel oil about 2.9 miles between westerly boundary and one-half mile east of West Casitas Pass, involving:
(1) 155 sta. clear and grub right of way;
(2) 214,500 cu. yds. rdwy. excav., unclassified;
(3) 820,000 sta. yds. overhaul;
(4) 6,500 cu. yds. excav., for struc.;
(5) 540 cu. yds. Class A Port. cem. conc. for struc.;
(6) 58,000 lbs. bar reinf. steel;
(7) 1150 lin. ft. 8-in. CMP 16-gauge;
(8) 1,550 lin. ft. 24-in. CMP 14-gauge;
(9) 466 lin. ft. 30-in. CMP 14-gauge;
(10) 354 lin. ft. 30-in. CMP 12-gauge;
(11) 220 lin. ft. 36-in. CMP 12-gauge;
(12) 100 42-in. CMP 10-gauge;
(13) 170 48-in. CMP 8-gauge;
(14) 32 each spillway assembly;
(15) 6,500 M. gals. water;
(16) 1,850 bbls. fuel oil;
(17) 2.92 miles repair, mix and shape roadbed;
(18) 88 each culvert markers;
(19) 650 each timber guide posts;
(20) 155 sta. finish rdwy.;
(21) 76 each monuments complete in place.

Plans and specifications obtainable at above office, and are on file at the office of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

AWARD.

LOS ANGELES COUNTY, Calif.—Griffith Co., 502 Los Angeles Railway Bldg., at $73,917.90 awarded contract by State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 8.6 miles between Saugus and William Ranch in Los Angeles County.

AWARD.

SNOHOMISH COUNTY, Wash.—L. J. Dowell, Inc., Seattle, at $56,990.00 awarded contract by the Washington State Highway Commission, Olympia, for grading and surfacing with crushed stone about 2.4 miles Everett City limits-Broadway Street So. extension in Snohomish county.

John Otteson Co., Seattle, second low at $59,249; and Walker Const. Co. Tacoma, third, at $60,441.

BIDS OPENED

LANE COUNTY, Oregon—Earl L. McNutt, Eugene, Oregon, at $130,786 (metal pipe) and at $132,384 (concrete pipe, alternate) submitted low bid to U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, Ore., for grading 4.553 miles of the Willamette Highway, Project NR-21-E1, F2, National Forest Road Project, located within the Willamettee National Forest, in Lane County. Complete bids follow (1) Metal pipe; (2) Concrete Pipe-A:

Earl L. McNutt, Eugene, Oregon, (1) $130,786; (2) $132,384.
F. C. Dillard, Medford, Oregon, (1) $142,013; (2) $143,570.
E. L. Gates, Eugene, Oregon, (1) $145.375; (2) $146,819.
C. T. Malcolm, Portland, Oregon, (1) $148,218; (2) $149,843.
P. L. Crooks, Portland, Oregon, (1) **$157,555; (2) $159,555.**
J. A. Lyons, Portland, Oregon, (1) $157,708; (2) $159,053.
Kuckenberg-Wittman, Portland, Ore., $159,074; (2) $149,053.

BIDS WANTED

WASHINGTON STATE—Until Feb. 14, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, Washington, for highway construction as follows:

WHATCOM COUNTY:

Paving with Portland Cement Concrete about 0.7 mile of State Road No. 1 in the City of Bellingham, U. S. Public Works, Project No. NRM 130-E, in Whatcom County.

YAKIMA COUNTY:

Paving with Portland Cement Concrete about 1.2 miles of State Road No. 5 on Fifth Avenue and Walnut Street in the City of Yakima, U. S. Public Works Project No. NRM 161-D, in Yakima County ,involving:
(1) 9140 cu. yds. excavation;
(2) 35,713 sq. yds. pavement;
(3) 2643 lin. ft. sewer pipe;
(4) Miscellaneous items of work.

LINCOLN COUNTY:

Grading and surfacing about 4.1 mi. of State Road No. 11, Sprague to Cheney Revision, U. S. Public Works Project No. NRH 133-D, in Lincoln County, involving:
(1) 90,920 cu. yds. excavation and gravel borrow;
(2) 10,370 cu. yds. curshed stone surf. material;
(3) 649 lin. ft. pipe culverts;
(4) Miscellaneous items of work.

THURSTON COUNTY:

Constructing a bituminous surface by the bituminous macadam method on about 1.1 miles of the Olympia-Litt Rick Road from junction with State Road No. 1-south, U. S. Public Works Project No. NRS 207-A.

Plans and specifications obtainable from above office upon deposit of $2 for each set.

AWARD

SNOHOMISH COUNTY, Wash.—G. A. Banderet, Bryn Mawr, Calif., at $87,543 awarded contract by Washington State Highway Commission, Olympia, Wash., for grading and surfacing with crushed stone about 4.8 miles of State Road No. 1, Bryant Road North, in Snohomish County. Other bids were:

L. L. Dowell, Inc., Seattle, $101,220.
Wilber & Monfrort, Blaine, $112,243.

AWARD

CHELAN COUNTY, Wash.—Pearson, Strom & Lind, Seattle, Wash., at $59,885 awarded contract by Washington State Highway Commission, Olympia, Wash., for grading about 1.2 mi. of State Road No. 15, Berne East, Unit 2 of U. S. Public Works Project NRH 190-A, in Chelan County.

Myers & Goulter, Seattle, at $66,031 submitted second low bid; third, James Coyle, Seattle, $67,473.

CONTRACT AWARDED

SEATTLE, Wash.—Haley, Jussel & Swanson, Seattle, Wash., at $17,995 awarded contract by the Treasury Department, for grading lawn areas, at the U. S. Marine Hospital, Seattle.

AWARD

SAN FRANCISCO—Webster Jeffers, 425 Bostworth St., San Francisco, at $1822.94 awarded contract by the Department of Public Works, for construction of sidewalks along Alemany Blvd., Section C from Ocean Ave. to Onondaga Ave.

AWARD

WILLOW GLEN, Cal. — Pacific Truck Service, Inc., 646 Park Ave., San Jose, awarded contract by the Willow Glen City Council, at $2360.53 for the construction of Portland cement concrete curbs and gutters, together with driveways and sidewalks on both sides of Lincoln Ave., Willow Glen.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

COLORADO AQUEDUCT TUNNELS — (MET. DIST.)

LOS ANGELES, Cal.—Low bid for constructing the East Eagle Mountain Tunnel and Coachella Tunnels of the Colorado River Aqueduct; Spec. No. 64, submitted to the Metropolitan Water District, January 30, were:

Broderick & Gordon, Denver, Colo., and Mecca, Calif. (D. G. Gordon, 215 S Bedford Drive, Beverly Hills) low on East Eagle Mountain Tunnel, 9460 ft. of 16-ft. tunnel, at $912,720.

Dravo Contracting Co., Neville Island Station, Pittsburgh, Pa., and Perris, Calif. (represented by F. C. Richardson, Chief Engineer, Perris) low on Schedule No. 7 of the Coachella Tunnels, Station 8847 plus 90 to Station 9021 plus 50, 16,600 ft. of 16-ft. tunnel) at $1,495,225.

Silas Mason Co., New York City (represented by H. L. Myers, vice-president, Biltmore Hotel, Los Angeles) low on Schedule No. 8 of the Coachella Tunnels, Station 9021 plus 50 to Station 9277 plus 30, 20,930 ft. of 16-ft. tunnel, at $2,054,810. This bid was the lowest acceptable bid by reason of a stipulation in the low bidder's proposal which stated that the firm (Dravo Contracting Co.) would accept only one schedule.

The East Eagle Mountain Tunnel is located in the Eagle Mountains about 43 miles east of Indio, and the Coachella Tunnels are located in the Little San Bernardino Mountains, approximately 25 miles northwest of Indio; all in Riverside County. The work to be bid upon consists of the excavating and lining of approximately 8. 89 miles of horseshoe section water supply tunnel with an interior diameter of 16 ft. and has been divided into schedules as follows:

Schedule 1—East Eagle Mountain Tunnel, 1.79 miles in length.

Schedule 7—Coachella Tunnel, 3.14 miles in length.

Schedule 8—Coachella Tunnel, 3.96 miles in length.

The work involves:

SCHEDULE 1

Construction of East Eagle Mountain tunnel and appurtenant works, between Sta. 5879 plus 31 and Station 5973 plus 91. Tunnel length 9,460 ft. Note: No bid will be considered for less than all the items of e schedule.

(1) tunnel access works (lump sum)
(2) does not apply here;
(3) 114,000 cu. yds. excav. in tunnel;
(4) 50 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 31,000 cu. yds. conc. in tunnel;
(7) 1000 MFBM furnish & place permanent timbers in tunnel;
(8) 100 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnel;
(10) 40 connections for grouting;
(11) 50 cu. yds. placing grout;
(12) 50,000 lbs. placing reinf. steel;
(13) 10,000 cu. yds. miles overhaul of concrete aggregates;
(14) 5500 ton-miles hauling steel;
(15) 375,000 ton-miles haul cement.

SCHEDULE 7

Construction of the Coachella tunnels and appurtenant works between Station 8847 plus 90 and Station 9021 plus 50. Tunnel length, 16,600 feet. Note: No bid will be considered for less than all the items of a schedule.

(1) does not apply here;
(2) 19,000 cu. yds. excav. in approach cuts;
(3) 210,000 cu. yds. excav. in tunnels
(4) 50 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 55,000 cu. yds. conc. in tunnels;
(7) 2500 MFBM furnish & place permanent timbers in tunnels;
(8) 200 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnels;
(10) 15 connections for grouting;
(11) 20 cu. yds. mix and place grout;
(12) 50,000 lbs. placing reinf. steel;
(13) does not apply here;
(14) 3000 ton-miles hauling steel;
(15) 160,000 ton-miles hauling cem.

SCHEDULE 8

Construction of the Coachella tunnels and appurtenant works between Station 9021 plus 50 and Station 9277 plus 30. Tunnel length, 20,930 feet. Note: No bid will be considered for less than all the items of a schedule.

(1) does not apply here;
(2) 87,000 cu. yds. excav. in approach cuts;
(3) 270,000 cu. yds. excav. in tunnels;
(4) 100 cu. yds. excav. for tunnel enlargement;
(5) no item 5 in specifications;
(6) 70,000 cu. yds. conc. in tunnels;
(7) 3550 MFBM furnish & place permanent timbers in tunnel;
(8) 350 tons erecting steel support in tunnels;
(9) 400 cu. yds. gunite coating of rock in tunnels;
(10) 50 connections for grouting;
(11) 20 cu. yds. mix and place grout;
(12) 100,000 lbs. placing reinf. steel;
(13) does not apply here;
(14) 3400 ton-miles hauling steel;
(15) 150,000 ton-miles hauling cem.

Complete bids follow:

Schedule No. 1—East Eagle Mountain Tunnel

(A) Broderick & Gordon, $912,720.00.
(B) West Const. Co., $939,340.00.
(C) Frazier-Davis Const. Co., $952,920.00.
(D) L. E. Dixon-Bent Bros.-Johnson, Inc., $999,820.00.
(E) J. F. Shea Co.-Morrison-Knudsen, $1,044,675.00.
(F) Silas Mason Co., $1,048,165.00.
(G) Hunkin-Conkey Const. Co., $1,057,080.00.
(H) Bechtel Co., $1,078,140.
(I) S. S. Magoffin, Inc., $1,129,115.00.
(J) Dravo Contracting Co., $1,145,510.
(K) Walsh Const. Co., $1,220,015.00.

	(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
(A)	$40,000.00	$	$5.70	$10.00	$4.00	$70.00	$ 55.00	$30.00	$10.00	$40.00	$.012	$.02	$.04	$.02
(B)	47,000.00	.....	5.75	9.00	4.80	60.00	35.00	20.00	4.00	55.00	.02	.06	.06	.03
(C)	45,000.00	.....	5.95	6.00	5.00	45.00	40.00	18.00	8.00	15.00	.01	.10	.10	.04
(D)	64,000.00	.....	6.00	10.00	5.00	60.00	20.00	20.00	5.00	30.00	.015	.06	.14	.06
(E)	40,000.00	.....	6.35	10.00	6.00	55.00	40.00	20.00	5.00	30.00	.015	.15	.15	.06
(F)	57,500.00	.....	6.40	10.00	6.00	40.00	30.00	20.00	6.00	25.00	.02	.15	.15	.05
(G)	58,000.00	.....	6.18	10.00	6.00	65.00	50.00	25.00	5.00	30.00	.04	.12	.12	.06
(H)	60,000.00	.....	6.50	10.00	5.50	64.00	50.00	27.00	5.00	20.00	.02	.12	.08	.06
(I)	62,750.00	.....	6.71	10.00	5.75	80.00	50.00	25.00	5.00	27.00	.02	.18	.15	.06
(J)	40,000.00	.....	7.35	10.00	5.00	70.00	60.00	22.50	5.00	25.00	.02	.15	.12	.06
(K)	68,000.00	.....	7.92	10.00	5.50	40.00	45.00	17.00	7.00	30.00	.017	.11	.11	.06

Schedule No. 7—Coachella Tunnels, Station 8847 plus 90 to Station 9021 plus 50.

(A) Dravo Contracting Co., $1,495,225.00.
(B) Bechtel Co., $1,557,835.00.
(C) Silas Mason Co., $1,565,404.00.
(D) J. F. Shea, Co., Morrison-Kundsen, $1,633,475.00.
(E) S. S. Mogoffin, Inc., $1,763,065.

	(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
(A)	$.....	$1.50	$4.55	$ 8.00	$5.00	$80.00	$60.00	$22.50	5.00	$25.00	$.02	.....	$.15	$.08
(B)	.....	2.00	5.05	10.00	5.00	60.00	50.00	27.00	5.00	20.00	.02	.....	.12	.07
(C)	.....	2.00	5.00	10.00	5.50	60.00	30.00	20.00	6.00	25.00	.02	.....	.15	.05
(D)	.....	1.00	5.40	10.00	5.50	60.00	40.00	20.00	5.00	30.00	.015	.....	.15	.06
(E)	.....	2.00	5.81	10.00	5.75	60.00	50.00	25.00	5.00	27.00	.02	.....	.20	.10

Schedule No. 8—Coachella Tunnels, Station 9021 Plus 50 to Station 9277 Plus 30.

(A) Dravo Contracting Co., $1,998,560.00.
(B) Silas Mason Co., Inc., $2,054,810.00.
(C) Bechtel Co., $2,089,658.00.
(D) J. D. Shea Co.-Morrison-Kundson, $2,145,910.00

	(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
(A)	$.....	$1.50	$4.40	$ 8.00	$5.00	$80.00	$60.00	$22.50	$ 5.00	$25.00	$.02	.....	$.15	$.08
(B)	.....	1.50	4.80	10.00	5.50	60.00	30.00	20.00	6.00	25.00	.02	.....	.15	.05
(C)	.....	1.40	5.05	10.00	5.00	60.00	50.00	27.00	5.00	20.00	.02	.....	.12	.06
(D)	.....	.85	5.33	11.00	5.50	60.00	40.00	20.00	5.00	30.00	.015	.....	.15	.06

(Continued Next Page)

COLORADO AQUEDUCT TUNNELS

(Continued from Page 27)

Stipulations affecting the relative standing of the bids, as contained in the proposals, follow:

Broderick & Gordon, Denver, Colo.—No stipulations.

Dravo Contracting Co., Perris, Cal. Will accept award of any one schedule; will not accept award of more than one schedule. If low on more than one, preference is: First, No. 8; second, No. 7; third, No. 1.

Silas Mason Co., Inc., 500 Fifth Ave., New York City—(1) will accept No. 1 as an award at prices bid; (2) will accept No. 7 as an award at prices bid; (3) will accept No. 8 as an award at prices bid; (4) will accept No. 1 and No. 7 as an award and deduct 3% from prices bid on Schedule No. 7; (5) will accept No. 1 and No. 8 as award and deduct 2½% from prices bid on Schedule No. 8; (6) will accept No. 7 and No. 8 as an award and deduct 3% from prices bid on Scvhedule No. 7; (7) will accept No. 1, No. 7 and No. 8 as an award and deduct 2½% from prices bid on Schedule No. 8 and 3% from prices bid on Schedule No. 7.

Bechtel Co., 155 Sansome St., San Francisco—Will accept award on No. 1, or No. 7, or No. 8, but in on event will bidder accept the award of more than a single schedule.

J. F. Shea Co. and Morrison-Knudsen Co., 1121 Title Guarantee Bldg., Los Angeles—Will accept award of one schedule only. In event bid on Schedule No. 8 is in order for award, disregard all other schedules. In event that bid on Schedule No. 8 is not in order for award, and No. 7 is in order for award, disregard all other schedules. In the event that the bid on No. 7 or No. 8 is not in order for award, but No. 1 is, will accept award of No. 1.

S. S. Hogoffn, Inc., Adrian, Ore.—(1) if awarded No. 1, disregard No. 7; (2) if awarded No. 7, disregard No. 1.

West Constr. Co., 615 Richfield Bldg., Los Angeles—No stipulations.

L. E. Dixon Co.-Bent Bros., Inc.-Johnson, Inc., 609 S. Grand Ave., Los Angeles—No stipulations.

Frazier-Davis Constr. Co., 1319 Macklind Ave., St. Louis, Mo.—No stipulations.

Hunkin-Conkey Constr. Co., 316 N. Rossmore Ave. Los Angeles—No stipulations.

BIDS OPENED.

SAN DIEGO COUNTY, Cal.—V. R. Dennis Const. Co., 3911 5th Ave., San Diego, at $167,949.50 submitted low bid to State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 7.3 miles between one mile north of San Ysidro and National City, in San Diego Co.

Complete bids follow:

(A) V. R. Dennis Const. Co., San Diego, $167,949.50.

(B) Griffith Co., Los Angeles, $185,-731.20.

(C) Sander Pearson, Santa Monica, $208,361.94.

Unit quantities were:

(1) 170 each trees to be removed and disposed of;
(2) 150 each stumps to be removed & disposed of;
(3) 113,000 cu. yds. rdwy. excav., unclassified;
(4) 46.000 cu. yds. imported borrow;
(5) 1,025,000 sta. yds. overhaul;
(6) 2,100 cu. yds. struc. excav.;
(7) 37,000 tons asphalt concrete;
(8) 53,000 sq. yds. subgrade for pave.
(9) 43,000 sq. yds. asph. paint binder;
(10) 700 tons crusher run base;
(11) 160 cu. yds. Class A Port. cem. concrete struc.;
(12) 9,400 lbs. bar reinf. steel struc.;
(13) 142 lin. ft. 8-in. CMP;

(Continued Next Page)

NOGALES, ARIZ.—FLOOD CONTROL PROJ.—GOVT.

NOGALES, Ariz.—T. A. Allen Construction Co., 108 W Sixth St., Los Angeles, at $226,998.55 submitted low bid (as previously reported) to the International Boundary Commission, El Paso, Texas, January 22, for the construction of a single barrel conduit with the inside dimensions 20 ft. in width and varying from 11 ft. 2 in. to 18 ft. 8- in. in height, and with a length of 4320 ft. and of open concrete channel, 930 ft. in length, varying from 22- to 25-ft. in width and with side walls 16 ft. 6 in. in height. One concrete highway bridge will be required. The total bids follow:

(A) T. A. Allen Const. Co., Los Angeles: Sch. No. 1, $207,088.25; Sch. No. 2, $19,910.30. Est. direct man-hours, 142,000; total if Sch. No. 2 only is awarded, $....; total if Schedules Nos. 1 and 2 awarded, $226,998.55.

(B) Armstrong & Armstrong, Roswell, N. M.: Sch. No. 1($232,221.50; Sch. No. 2, $23,006.50; man-hours, 125-000; total of Sch. No. 1 only awarded $232.221.50; if Nos. 1 and 2 awarded, $255,228.00.

(C) George W. Orr, El Paso: Sch. No. 1, $237,451; Sch. No. 2, $22,987.60; man-hours, 172,000; total if No. 2 only awarded, $24.312.60; if Nos. 1 and 2 awarded, $230,438.60.

(D) Alta Electric & Machanical Corporation & J. B. Robinson, San Francisco: Sch. No. 1, $251,536; Sch. No. 2, $24,426.50; man-hours, 150,000; total if Nos. 1 and 2 awarded, $275,962.50.

(E) Heafey-Moore & Co., Oakland: Sch. No. 1, $271,587.50; Sch. No. 2, $21,004.50; man-hours, 264,293; total if Sch. No. 1 only awarded, $271,587.-50; if Nos. 1 and 2 awarded, $292,592.

(F) Gist & Bell, Arcadia: Sch. No. 1, $283,290; Sch. No. 2, $23.616; man-hours, 145,000; total if Sch. No. 1 only awarded, $283,290; total of Nos. 1 and 2 awarded, $306,906.

(G) New Mexico Const. Co., Inc., Denver, and Albuquerque: Sch. No. 1, $283,217; total No. 2, $25,628; total if Nos. 1 and 2 awarded, $308,845.00.

(H) MacDonald & Kahn Co., Ltd., San Francisco: Sch. No. 1, $294,080; Sch. No. 2, $27,023.75; total if Nos. 1 and 2 awarded, $321,103.75.

(I) United Concrete Pipe Corp., Los Angeles: Sch. No. 1, $303,185; Sch. No. 2, $23,483.50; total if No. 1 only awarded, $303,185; total if Nos. 1 and 2 awarded, $326,668.50.

(J) Morrison-Knudsen Co., Los Angeles: Sch. No. 1, $331,385; Sch. No. 2, $32,726; man-hours, 220,000; total if Nos. 1 and 2 awarded, $364,111.

The items are:

SCHEDULE NO. 1

(1) 56,300 cu. yds. excav., common;
(2) 16,700 cu. yds. do. rock;
(3) 13,900 cu. yds. backfill;
(4) 13,700 lin. ft. gravel drain and weep holes;
(5) 15,400 cu. yds. concrete;
(6) 2,180,000 lbs. placing reinf. steel;
(7) 9.000 lbs. struc. steel and metal work;
(8) 1,150 sq. yds. 3½-in. asph. conc. base course;
(9) 2,300 sq. yds. 2-in. asph. concrete wearing surface;
(10) lump sum. misc. work thru Nogales Park;
(11) lump sum demolish Banks bridge

SCHEDULE NO. 2

(12) 6,900 cu. yds. excav., common;
(13) 500 cu. yds. excav., rock;
(14) 100 cu. yds. backfill;
(15) 2.345 lin. ft. gravel drains and weep holes;
(16) 1,200 cu. yds. concrete in floor & slope paving & bridge abutment
(17) 160 cu. yds. concrete in bridge superstructure;
(18) 107,000 lbs. placing reinf. steel;
(19) 50 sq. yds. 3½-in. asph. concrete base course;
(20) 50 sq. yds. 2-in. asph. concrete wearing surface;
(21) 16 lin. ft. 2½-in. malleable iron pipe hand rail.

SCHEDULE NO. 1	(A)	(B)	(C)	(D)	(E)
(1)	$ .40	$ .80	$ .75	$ .40	$ .885
(2)	.8675	1.00	1.00	1.53	1.40
(3)	.19	.36	.50	.10	.37
(4)	.365	.30	.33	.40	.47
(5)	8.82	8.65	8.60	9.30	10.25
(6)	.00915	.00885	.01125	.02	.01
(7)	.08	.15	.15	.10	.10
(8)	1.33	2.25	2.50	2.30	1.80
(9)	1.24	2.25	2.00	1.40	1.00
(10)	1555.50	500.00	1250.00	3000.00	1870.00
(11)	2017.00	2500.00	2500.00	1000.00	2025.00
SCHEDULE NO. 2					
(12)	.525	.80	*.75	.60	.70
(13)	.81	1.00	1.00	1.03	2.50
(14)	.58	.36	.50	.10	.50
(15)	.24	.30	.33	.50	.30
(16)	7.23	8.75	**8.60	10.00	7.00
(17)	17.20	12.00	13.50	20.00	15.50
(18)	.015	.01	.01125	.02	.01
(19)	1.10	2.25	2.50	2.30	1.80
(20)	1.06	2.25	2.00	1.40	1.00
(21)	6.50	2.00	5.00	4.00	3.50

SCHEDULE NO. 1	(F)	(G)	(H)	(I)	(J)
(1)	$ 1.10	$ .95	$ .90	$ .70	$ 1.10
(2)	1.10	.95	1.85	.70	1.40
(3)	.50	.22	.40	.45	.50
(4)	.40	.24	.35	.30	.60
(5)	10.50	10.60	11.00	12.40	13.00
(6)	.01	.015	.01	.02	.012
(7)	.10	.01	.10	.10	.20
(8)	2.00	4.00	3.00	2.00	.50
(9)	1.50	2.30	2.00	1.50	.50
(10)	400.00	1600.00	2000.00	500.00	1000.00
(11)	1000.00	1500.00	1500.00	1500.000	1250.00
SCHEDULE NO. 2					
(12)	.60	.90	.90	.60	1.05
(13)	1.00	.90	1.85	.60	1.20
(14)	.50	.22	.40	.45	.50
(15)	.40	.24	.35	.30	.60
(16)	9.50	11.00	11.00	10.00	14.00
(17)	20.00	11.00	18.40	15.00	25.00
(18)	.02	.015	.01	.02	.012
(19)	2.00	4.00	3.00	2.00	.50
(20)	2.00	2.30	2.00	1.50	.50
(21)	3.00	.20	4.00	5.00	2.50

*80c if awarded Schedule 2 only; **$9.00 if awarded Schedule 2 only.

CHURCHILL CO., NEV.—4.98 MI. HIGHWAY—STATE

CHURCHILL COUNTY, Nev.—Union Paving Co., Call Bldg., San Francisco, at $123,645.98 awarded contract by the Directors of the Department of Highways, Carson City, (as previously reported) under Proposal No. 1 (plantmix) for reconstructing 4.98 mi. of state highway system between Fallon and 5 miles south, Route 2, Section C3, in Churchill County.

Complete bids follow:

(A) Union Paving Co., San Francisco, $123,645.98.
(B) Nevada Rock and Sand Co., Inc., Reno, $129,665.93.
(C) Dodge Const. Co., Inc., Fallon, Nev., $145,815.16.
(D) Isbell Const. Co., Carson City, $146,699.67.
(E) Engineer's estimate, $113,982.50.

Alternate No. 1—Plantmix Asphaltic Surface

Unit quantities were:

(1) 53 acres clear and grub;
(2) 108,700 cu. yds. rdwy. excav.;
(3) 18,161 sta. yds. overhaul;
(4) 56,382 cu. yds. select borrow;
(5) 1,100 cu. yds. struc. excav.;
(6) 0.30 mile subgrade (4-ft. width);
(7) 4.67 miles subgrade (22-ft. width)
(8) 22,200 tons select crushed base;
(9) 5,826 cu. yds. salvaged base;
(10) 8,200 tons plantmix asph. surf.;
(11) 21,458 gals. asph. road material, Type SC-1A;
(12) 7,920 gals. do, Type SC-2;
(13) 9,731 gals. do, Type MC-2;
(14) 1,961 M. gals. water;
(15) 4.97 miles shoulders;
(16) 2 move headwalls;
(17) 10 remove headwalls;
(18) 204 cu. yds. remove concrete;
(19) 267 lin. ft. remove pipe culverts;
(20) 267 lin. ft. relay pipe culverts;
(21) 348 cy. yds. Class A concrete;
(22) 3 cu. yds. Class B concrete;
(23) 50 cu. yds. Class D concrete;
(24) 33,500 lbs. reinf. steel;
(25) 6,500 lbs. struc. steel;
(26) 5.34 MFBM redwood;
(27) 130 lin. ft. 12-in. corru. metal pipe
(28) 316 lin. ft. 18-in. do;
(29) 416 lin. ft. 24-in. do;
(30) 672 lin. ft. 36-in. do;
(31) 28 monuments;
(32) 20,450 lin. ft. remove fence;
(33) 442 lin. ft. reconstruct fence;
(34) 19,359 lin. ft. construct fence;
(35) lump sum, misc. items;
(36) 4.98 miles finish roadway.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 30.00	$ 40.00	$ 10.00	$ 25.00	$ 10.00
(2)	.29	.26	.37	.30	.22
(3)	.02	.04	.03	.02	.04
(4)	.32	.25	.30	.36	.30
(5)	1.25	1.25	1.00	1.75	1.00
(6)	150.00	150.00	500.00	500.00	100.00
(7)	100.00	175.00	200.00	150.00	200.00
(8)	.75	.80	.75	1.30	.65
(9)	.50	.80	1.00	1.50	.75
(10)	2.50	3.25	3.50	3.00	2.50
(11)	.10	.07	.06	.07	.06
(12)	.10	.07	.10	.08	.06
(13)	.12	.16	.10	.11	.085
(14)	1.00	1.00	1.00	1.00	1.25
(15)	100.00	100.00	200.00	200.00	100.00
(16)	10.00	15.00	15.00	5.00	15.00
(17)	5.00	5.00	7.50	5.00	5.00
(18)	3.00	4.00	5.00	5.00	4.00
(19)	.50	.60	.50	.75	.75
(20)	.50	1.00	.50	.75	1.00
(21)	28.00	30.00	30.00	27.00	25.00
(22)	30.00	30.00	30.00	35.00	25.00
(23)	35.00	35.00	35.00	27.00	25.00
(24)	.04	.06	.06	.05	.06
(25)	.05	.09	.10	.09	.08
(26)	100.00	110.00	100.00	100.00	120.00
(27)	1.00	1.19	1.25	1.25	1.00
(28)	1.50	1.75	1.75	2.10	1.90
(29)	3.00	2.50	2.75	2.50	3.00
(30)	5.00	5.50	4.75	4.25	5.00
(31)	2.00	4.00	3.00	3.50	3.00
(32)	.02	.05	.05	.03	.02
(33)	.05	.10	.15	.05	.08
(34)	.10	.12	.15	.12	.12
(35)	500.00	1200.00	1000.00	700.00	1500.00
(36)	150.00	150.00	250.00	150.00	150.00

Following bids received on Alternate No. 2, for roadmix asphaltic surface with armor coat:

(A) Nevada Rock & Sand Co., Inc., Reno, $133,143.73.
(B) Union Paving Co., San Francisco, $136,066.66.
(C) Dodge Const. Co., Fallon, $156,661.01.
(D) Engineer's estimate, $120,871.40.

Alternate No. 2—Roadmix Asphaltic Surface With Armor Coat

Unit quantities were:

(1) 53 acres clear and grub;
(2) 108,700 cu. yds. rdwy. excav.;
(3) 18,161 sta. yds. overhaul;
(4) 56,382 cu. yds. select borrow;
(5) 1,100 cu. yds. struc. excav.;
(6) 0.30 mile subgrade 4-in. width;
(7) 4.67 miles subgrade 22-in. width;
(8) 10,700 tons select crushed base;
(9) 5,826 cu. yds. salvaged base;
(10) 10,800 tons crush. gravel or stone surface;
(11) 11,500 tons do base;
(12) 5.98 miles roadmix;
(13) 1,690 tons base rock;
(14) 614 tons coarse screenings;
(15) 369 tons fine screenings;
(16) 117,668 gals. asph. road material Type SC-2;
(17) 9,731 gals. do, Type MC-2;
(18) 65,850 gals. emuls. asphalt;
(19) 1,961 M. gals. water;
(20) 4.97 miles shoulders;
(21) 2 move headwalls;
(22) 10 remove headwalls;
(23) 204 cu. yds. remove concrete;
(24) 267 lin. ft. remove pipe culverts;
(25) 267 lin. ft. relay pipe culverts;
(26) 348 cu. yds. Class A concrete;
(27) 3 cu. yds. Class B concrete;
(28) 50 cu. yds. Class D concrete;
(29) 33,500 lbs. reinf. steel;
(30) 6,500 lbs. struc. steel;
(31) 5.34 MFBM redwood;
(32) 130 lin. ft. 12-in. corru. metal pipe
(33) 316 lin. ft. 18-in. do;
(34) 416 lin. ft. 24-in. do;
(35) 672 lin. ft. 36-in. do;
(36) 28 monuments;
(37) 20,450 lin. ft. remove fence;
(38) 442 lin. ft. reconstruct fence;
(39) 19,359 lin. ft. construct fence;
(40) lump sum, misc. items;
(41) 4.98 miles finish roadway.

Unit prices were:

(Continued Next Page)

(14) 52 lin. ft. 18-in. do;
(15) 290 lin. ft. 24-in. CMP;
(16) 70 lin. ft. 30-in. CMP;
(17) 1,136 lin. ft. 18-in. reinf. conc. pipe;
(18) 168 lin. ft. 24-in. do;
(19) 16 lin. ft. 36-in. do;
(20) 196 lin. ft. 48-in. do;
(21) 400 cu. yds. conc. to be removed from exist. pave. and struc.;
(22) 6,800 M. gals. water;
(23) 2.0 miles new property fence;
(24) 6 each fence gates;
(25) 0.4 mile existing fence to be removed and disposed of;
(26) 350 lin. ft. CMP clean and relay;
(27) 9 each spillway assemblies;
(28) 500 sq. yds. lined gutters;
(29) 1,100 lin. ft. laminated timber guard rail;
(30) 60 each culvert markers;
(31) 300 each guide posts;
(32) 4,700 bbls. heavy fuel oil;
(33) 7.1 mile prepare, mix and shape shoulders;
(34) 376 sta. finish rdwy.;
(35) 110 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ 10.00	$ 5.10	$ 4.00
(2)	3.00	3.00	5.00
(3)	.18	2.75	.30
(4)	.19	2.55	.35
(5)	.005	.005	.004
(6)	1.00	.70	1.00
(7)	2.50	2.43	3.05
(8)	.08	.13	.10
(9)	.02	.02	.02
(10)	2.50	2.50	2.00
(11)	15.00	20.00	16.00
(12)	.07	.05	.055
(13)	1.00	1.30	1.22
(14)	2.00	1.90	2.30
(15)	3.00	2.50	2.55
(16)	3.50	3.60	3.60
(17)	2.75	3.30	3.60
(18)	3.50	3.50	3.25
(19)	6.00	7.00	6.00
(20)	9.00	8.50	7.00
(21)	1.50	2.00	2.40
(22)	.50	.60	.60
(23)	500.00	600.00	400.00
(24)	20.00	15.00	18.00
(25)	400.00	60.00	175.00
(26)	1.00	1.00	.50
(27)	15.00	20.00	15.00
(28)	.75	1.00	1.25
(29)	.75	1.10	1.00
(30)	2.00	2.00	2.00
(31)	2.50	3.00	2.00
(32)	1.75	1.60	1.65
(33)	400.00	500.00	450.00
(34)	3.00	10.00	2.50
(35)	2.00	2.50	3.00

BIDS OPENED.

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Los Angeles City Purchasing Agent, January 29, for furnishing and delivering to Water and Power Department f.o.b. cars Los Angeles and/or f.o.b. cars bidder's shipping point, oil immersed, forced air cooled, outdoor type auto transformers with tertiary windings, together with spare parts and all necessary oil, under Spec. No. 3265:

(A) Westinghouse Electric & Mfg. Co. Los Angeles.
(B) Allis-Chalmers Mfg. Co., Los Angeles.
(C) General Electric Co., Los Angeles

Unit items follow:

(1) 6 transformers having impedance of 7% at 50 cycles:
  (a) f.o.b. cars Los Angeles;
  (b) f.o.b. cars bidder's shipping pt.
(Alt. 1-A) 7 transformers having impedance of 7% at 50 cycles:
  (a) f.o.b. cars Los Angeles;
  (b) f.o.b. cars bidder's shipping pt.
(Alt. 1-B) 6 transformers having impedance of 10% at 50 cycles:
  (a) f.o.b. cars Los Angeles;
  (b) f.o.b. cars bidder's shipping pt.

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	(A)	(B)	(C)	(D)
(1)	$ 40.00	$ 30.00	$ 10.00	$ 10.00
(2)	.26	.30	.37	.22
(3)	.04	.02	.03	.04
(4)	.25	.30	.30	.30
(5)	1.25	1.25	1.00	1.00
(6)	150.00	150.00	500.00	100.00
(7)	175.00	100.00	200.00	200.00
(8)	.80	.75	.75	.65
(9)	.80	.50	1.00	.75
(10)	1.10	.80	1.30	.60
(11)	.80	.80	1.15	.60
(12)	600.00	300.00	600.00	450.00
(13)	3.50	2.00	2.25	3.00
(14)	3.50	3.00	2.50	3.00
(15)	4.00	4.00	2.75	3.00
(16)	.07	.09	.06	.06
(17)	.10	.12	.10	.085
(18)	.11	.12	.10	.09
(19)	1.00	1.00	1.00	1.25
(20)	100.00	100.00	200.00	100.00
(21)	15.00	10.00	15.00	15.00
(22)	5.00	5.00	7.50	5.00
(23)	4.00	3.00	5.00	4.00
(24)	.60	.50	.50	.75
(25)	1.00	.50	.50	1.00
(26)	30.00	28.00	30.00	25.00
(27)	30.00	30.00	30.00	25.00
(28)	35.00	35.00	35.00	25.00
(29)	.06	.04	.06	.06
(30)	.09	.05	.10	.08
(31)	110.00	100 00	100.00	120.00
(32)	1.10	1.00	1.25	1.00
(33)	1.75	1.50	1.75	1.90
(34)	2.50	3.00	2.75	3.00
(35)	5.50	5.00	4.75	5.00
(36)	4.00	2.00	3.00	2.00
(37)	.05	.02	.05	.02
(38)	.10	.05	.15	.08
(39)	.12	.10	.15	.12
(40)	1200.00	500.00	1000.00	1500.00
(41)	150.00	150.00	250.00	150.00

S. C. Durkee, State Highway Engineer.

TRINITY COUNTY — 4.7 MI. GRADING — (GOVT.)

TRINITY COUNTY, Cal.—Harms Bros., 5220 21st St., Sacramento, at $40,076.90 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, for grading Section E of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County, involving:

(1) 21 acres clearing;
(2) 80,000 cu. yds. unclass. excav.;
(3) 1180 cu. yds. unclass. excav. for excav.;
(4) 52,000 sta. yds. overhaul;
(5) 4.788 mi. finish earth graded road
(6) 17 M.F.B.M. treat. timer in place
(7) 208 cu. yds. Class A concrete;
(8) 97 cu. yds. Class B concrete;
(9) 21,800 lbs. reinf. steel;
(10) 18 lin. ft. 2-in. (asphalt dipped) C.G.M.P.;
(11) 1218 lin. ft. 18-in. do;
(12) 206 lin. ft. 24-in. do;
(13) 30 lin. ft. 24-in. do (irrigation pipe);
(14) 126 lin. ft. 30-in. (asphalt dipped) C.G.M.P.;
(15) 68 lin. ft. 48-in. do;
(16) 50 cu. yds. handlaid riprap in pl.;
(17) 2 each Type A spillway inlets;
(18) 100 each R/W monuments;
(19) 5000 lin. ft. remove and reset fence;
(20) 5.5 M.F.B.M. placing Govt. furnished timber;
(21) 148 sq. yds. bit. wearing surface in place.

Complete bids follow:

(A) Harms Bros., Sacramento, $40,076.90.
(B) Baker & Jennings, Sacramento, $42,242.40.
(C) Granfield-Farrar & Carlin, San Francisco, $47,116.20.
(D) A. Teichert & Son, Sacramento, $47,419.60.
(E) Engineer's Estimate, $44,820.40.

	(A)	(B)	(C)	(D)	(E)
(1)	$200.00	$150.00	$175.00	$200.00	$200.00
(2)	.235	.26	.30	.265	.28
(3)	.60	.75	1.00	1.50	1.00
(4)	.005	.015	.01	.01	.005
(5)	200.00	200.00	300.00	200.00	200.00
(6)	100.00	90.00	80.00	120.00	90.00
(7)	24.00	27.00	27.50	30.00	21.00
(8)	24.00	27.00	27.50	25.00	24.00
(9)	.06	.04	.06	.06	.06
(10)	.90	1.00	1.10	1.00	1.00
(11)	1.50	1.75	1.80	2.00	1.75
(12)	2.25	2.65	2.50	3.00	2.55
(13)	3.00	3.25	3.10	3.50	3.65
(14)	2.85	3.40	3.10	4.00	3.15
(15)	6.00	6.50	6.00	6.00	6.95
(16)	5.00	4.00	3.00	4.00	6.00
(17)	20.00	15.00	20.00	23.00	20.00
(18)	2.50	2.00	3.00	3.00	3.00
(19)	.04	2.01	.06	.18	.08
(20)	45.00	25.00	35.00	60.00	30.00
(21)	1.50	1.50	1.00	2.00	2.00

Bids held under advisement.

C. H. Sweetser, District Engineer.

(Alt. 1-B-1) 7 transformers having impedance of 10% at 50 cycles:
(a) f.o.b. cars Los Angeles;
(b) f.o.b. cars bidder's shipping pt.
(Alt. 1-C) 6 straight 60-cycle transformers having imepdance of 8.4% at 60 cycles;
(a) f.o.b. cars Los Angeles;
(b) f.o.b. cars bidder's shipping pt.
(Alt. 1-C-1) 7 straight 60-cycle transformers having impedance of 8.4% at 60 cycles;
(a) f.o.b. cars Los Angeles;
(b) f.o.b. cars bidder's shipping pt.
(Alt. 1-D) 6 straight 60 cycle transformers having impedance of 12% at 60 cycles:
(a) f.o.b. cars Los Angeles;
(b) f.o.b. cars bidder's shipping pt.
(Alt. 1-D-1) 7 straight 60 cycle transformers having impedance of 12% at 60 cycles:
(a) f.o.b. cars Los Angeles;
(b) f.o.b. cars bidder's shipping pt.

The lump sums were:

		(A)	(B)	(C)
I	(a)	$ 927,260	$ 965,850	$ 962,160
	(b)	904,800	933,730	929,880
Alt. 1-A	(a)	1,093,470	1,126,825	1,122,520
	(b)	1,055,600	1,089,375	1,084,860
Alt. 1-B	(a)	908,820	932,640	936,960
	(b)	878,760	902,400	906,600
Alt. 1B1	(a)	1,060,290	1,088,080	1,093,120
	(b)	1,025,220	1,052,800	1,057,700
Alt. 1-C	(a)	816,000	839,160	936,970
	(b)	788,700	811,560	809,850
Alt. 1C1	(a)	952,000	979,020	976,465
	(b)	920,150	946,820	944,825
Alt. 1D	(a)	825,360	847,000	848,810
	(b)	798,000	819,000	822,600
Alt. 1D1	(a)	962,920	988,190	991,445
	(b)	931,000	956,200	957,700

Discounts for certified factory tests in lieu of tests witnessed by engineer as follows:

	(A)	(B)	(C)
I	$4800	$4650	$5040
Alt. 1-A	5400	5200	5600
Alt. 1-B	4800	4650	5040
Alt. 1B1	5400	5200	5600
Alt. 1C	4800	4650	5040
Alt. 1C1	5400	5200	5600
Alt. 1D	4800	4650	5040
Alt. 1D1	5400	5200	5600

Allowances for oil (if not required) of $.187 per gal. f.o.b. tank cars, Los Angeles, or $.16 per gal. f.o.b. tank cars bidder's shipping point were submitted by each bidder.

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COMPLETE BID LISTING.

ARIZONA State.—As previously reported, Vinson & Pringle, 919 East Madison, St., Phoenix, at $42,528.78 and at $42,690.18 (alternate) submitted low bid to Arizona State Highway Commission, Phoenix, for constructing N.R.S. Proj. 100-B (A.F.E. No. 8407). The work, which is located about one mile east of the town of Gila Bend, consists of the construction of a railroad overpass and approaches, including the oil processing of the approaches, and is to be completed on or before May 31.

Complete bids follow:

(A) Vinson & Pringle, Phoenix (cable road guard) $42,528.78; (steel plate alternate) $42,690.18.

(B) Fearson & Dickerson, Riverside and Phoenix, $44,468.77; $44,468.77.

(C) Roger Bros. and Del E. Webb Const. Co., $47,236.35; $47,236.35.

(D) Phoenix-Tempe Stone Co. Phoenix, $48,843.77; $49,516.27.

(E) All Arizona Engr. & Const. Co., Clifton, Ariz., $49,677.09; $.....

Unit quantities were:

(1) 145 cu. yds. rdwy. excav., unclassied;
(2) 20 cu. yds. drainage do;
(3) 610 cu. yds. struc. do;
(4) 46,290 cu. yds. borrow excav. do (CIP);
(5) 1196 cu. yds. select material (including shoulders) CIP;
(6) 428 lin. ft. 8-in. CMP (CIP including hands);

(Continued Next Page)

7) 108 lin. ft. 24-in. do;
8) 10 each corru. metal catchbasins (CIP);
9) 11 each right of way markers (CIP);
10) 2,690 lin. ft. cable road guard, type A (CIP);
11) 8 cu. yds. Class A-A conc. (including cement);
12) 535 cu. yds. Class A do;
13) 68,799 lbs. reinf. steel (CIP);
14) 85,065 cu. yds. struc. steel (CIP);
15) 4 each blast sheets (CIP);
16) 200 hours rolling;
17) 200 M. gals. sprinkling (CIP);
18) 587 cu. yds. mineral agg. (CIP);
19) 4,389 gals. road oil (road mix & seal coat) CIP;
20) 0.295 mile processing road mix;
21) 32 cu. yds. screenings (CIP);

ALTERNATE—In lieu of Item 10

10-A) 2,690 lin. ft. steel plate road guard (CIP).

	(A)	(B)	(C)	(D)	(E)
1)	$ .50	$ .50	$ 1.00	$ .35	$ .50
2)	.50	.38	1.00	.35	.50
3)	1.00	1.25	1.00	1.00	1.25
4)	.29	.30	.35	.35	.37
5)	.40	.38	.50	.80	.50
6)	1.00	1.00	1.00	1.65	1.00
7)	3.00	2.80	3.00	3.00	3.50
8)	15.00	12.50	14.00	18.00	18.00
9)	2.15	3.50	5.00	2.50	2.50
10)	.70	.76	.80	.85	.85
11)	60.00	50.00	65.00	80.00	80.00
12)	22.50	24.50	23.00	27.00	25.00
13)	.055	.055	.05	.055	.055
14)	.058	.0625	.056	.0625	.07
15)	18.00	12.50	14.00	20.00	20.00
16)	4.50	3.00	3.00	3.50	5.50
17)	2.00	1.25	3.50	3.00	2.50
18)	2.90	3.00	5.00	2.00	2.50
19)	.14	.125	.14	.09	.11
20)	$50.00	1250.00	1600.00	1000.00	1000.00
21)	2.75	5.00	4.90	2.00	4.00
10A)	.76	.76	.80	1.10	.....

T. S. O'Connell, State Highway Engineer.

BIDS OPENED

SHASTA COUNTY, Cal. — Harold Smith, 1427 Kearny St., St. Helena, at $34,770 submitted low bid to U. S. Bureau of Public Roads, 461 Market St., San Francisco, for placing crushed rock subgrade reinforcement on 4.488 miles Section A of Route 75, the Manzanita Lake National Forest Highway, Lassen National Forest, Shasta County, involving:

(1) 1000 cu. yds. unclass. excav.;
(2) 12,000 tons subgrade reinf.;
(3) 1000 tons supplemen. subgrade reinforcement;
(4) 600 M. gals. watering;
(5) 24,000 gals. liquid asph. road material;
(6) 7500 cu. yds. stockpiling subgrade reinforcement.

Complete bids follow:

(A) Harold Smith, St. Helena, $34,770.
(B) E. B. Bishop, Orland, $37,820.
(C) Jasper-Stacy Co., San Francisco, $40,514.
(D) Hemstreet & Bell, Marysville, $40,980.
(E) Engineer's estimate, $31,995.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$1.00	$ .75	$1.10	$1.00	$ .75
(2)	2.20	2.45	2.65	2.72	2.10
(3)	2.00	2.30	2.10	2.72	2.10
(4)	2.00	2.00	2.20	2.00	1.90
(5)	.08	.08	.106	.08	.07
(6)	.30	.30	.22	.20	.15

Bids held under advisement.

BIDS WANTED

ALHAMBRA, Cal. — Until Feb. 6, 9 A. M., bids will be received by the Alhambra City Commission for drilling and casing one 26-in. well in Alhambra, located near the northeast corner of Granada Ave. and Mission Road, casing to be 8-gauge, 26-in. The well will be drilled to a depth of 500 to 900 ft. Specifications may be obtained from John W. Clay, Water Supt.

LOS ANGELES COUNTY—Torrance Blvd. Imp.—(County)

LOS ANGELES COUNTY, Cal.—C. O. Sparks, 2309 E. 9th St., Los Angeles, at $59,658.09 submitted low bid to the Los Angeles County Supervisors, January 29, for improving Torrance Blvd., from Madrona Ave., in the City of Torrance to South Susana Ave., in the City of Redondo Beach, 9414 lin. ft. or 1.78 mi. under Cash Contract No. 459, involving:

(1) 7486 cu. yds. excav. (incl. shaping and removal of old macadam);
(2) 80 tons asphalt conc. wearing surf. (variable thickness);
(3) 378,212 sq. ft. 20-in. asph. conc. wearing surface;
(4) 194,452 sq. ft. 4-in. asph. concrete base;
(5) 212,841 sp. ft. 5-in. disintegrated rock base;
(6) 183,746 sq. ft. 5-in. old macadm base;
(7) 150,270 sq. ft. 4-in. disintegrated rock pavement with rock and oil wearing surface;
(8) 42 lin. ft. cement concrete curtain wall;

Bidders were:

(A) C. O. Sparks, Los Angeles.
(B) Sully-Miller Constr. Co., Long Beach.
(G) George R. Curtis, Los Angeles.
(D) Griffith Co., Los Angeles.
(E) Koopman-Wright Co., Los Angeles.

Unit prices follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	Total
(A)	$.30	$3.08	$.0385	$.077	$.055	$.033	$.065	$2.25	$59,658.09
(B)	.40	3.50	.045	.09	.095	.03	.06	1.25	61,953.55
(C)	.22	2.92	.41	.073	.06	.048	.08	1.00	64,370.88
(D)	.55	4.00	05	.10	.047	.025	.05	1.08	68,852.80
(E)	.70	4.50	.06	.1025	.05	.05	.065	1.50	77,884.15

The bids were referred to the Road Commissioner, George W. Jones.

SAN DIEGO CO.—TWO CONCRETE BRIDGES—(STATE)

SAN DIEGO COUNTY, Cal.—Bodenhamer Const. Co., 354 Hobart Street, Oakland, at $67,505 submitted the low bid to State Highway Commission, Sacramento, for construction of two reinforced concrete girder bridges between Encinitas and Carlsbad; one across San Marcos Creek, consisting of four 40-ft. spans on concrete bents and abutments, and the other across Agua Hedionda Creek, consisting of four 40-ft. spans on concrete bents and abutments, in San Diego County.

Complete bids follow:

(A) Bodenhamer Const. Co., Oakland, $67,505.60.
(B) Weymouth Crowell Co., Los Angeles, $68,475.70.
(C) Lynch-Cannon Engr. Co., Los Angeles, $69,167.50.
(D) Frank Doran, San Diego, $74,306.
(E) R. H. Travers, Los Angeles, $75,824.00.
(F) Byerts & Dunn, Los Angeles, $76152.50.
(G) Dimmitt & Taylor, Los Angeles, $79,928.00.

Unit quantities were:

(1) 990 cu. yds. channel excavation;
(2) 2,700 cu. yds. struc. excav.;
(3) 1,255 cu. yds. Class A Port. cem. concrete footing blocks;
(4) 1,215 cu. yds. Class A Port. cem. concrete struc.;
(5) 26 cu. yds. Class A Port. cement concrete railing;
(6) 260,000 lbs. bar reinf. steel;
(7) 3300 lbs. cast steel;
(8) 1 lot misc. items of work.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .50	$ .38	$ .50	$ .50	$ .60	$ 1.00	$ .30
(2)	4.00	5.37	5.00	9.00	7.00	8.00	7.90
(3)	16.00	8.10	12.50	11.00	15.00	11.50	11.70
(4)	18.00	23.60	20.50	18.00	19.00	18.00	22.50
(5)	50.00	56.00	50.00	40.00	50.00	50.00	70.00
(6)	.045	.0456	.045	.045	.041	.04	.05
(7)	.20	.18	.175	.12	.20	.20	.20
(8)	600.00	855.00	1000.00	700.00	1600.00	4900.00	800.00

EL DORADO CO.—GRADING SECTION G—(GOVT)

EL DORADO COUNTY, Cal.—S. H. Palmer, 444 Market Street, San Francisco, at $130,933.10 submitted low bid to U. S. Bureau of Public Roads, 807 Sheldon Building, San Francisco, for grading Section G of Route 32, the Placerville-Lake Tahoe National Forest Highway, El Dorado National Forest, El Dorado County.

Complete bids follow:

(A) S. H. Palmer, San Francisco, $130,933.10.
(B) Larsen Bros., Sacramento, $132,841.20.
(C) Hemstreet and Bell, Marysville, $134,553.05.
(D) Hanrahan Co., San Francisco, $153,417.60.
(E) MacDonald & Kahn Co., Ltd., San Francisco, $155,469.10.
(F) Engineer's estimate, $117,222.85.

Unit quantities follow:

(1) 149,000 cu. yds. unclass. excav.;
(2) 1,800 cu. yds. unclass. excav. for structures;
(3) 239,000 sta. yds. overhaul;
(4) 2.189 miles finish earth graded rd.
(5) 80 cu. yds. cem. rubble masonry;
(6) 290 lin. ft. 8-in. perf. CGMP;
(7) 2,446 lin. ft. 18-in. CGMP;
(8) 306 lin. ft. 24-in. CGMP;
(9) 172 lin. ft. 30-in. CGMP;
(10) 56 lin. ft. relaying salvaged 18-in. CGMP;
(11) 62 lin. ft. remove, salvage or dispose of concrete CMP culvert;
(12) 100 cu. yds. crushed rock or gravel backfill;
(13) 20,000 gals. furnish and apply asphalt material;
(14) extra work moving mile stones;
(15) extra work, maintenance of detours;
(16) extra work, additional clearing.

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .76	$ .78	$ .79	$ .89	$ .92	$ .68
(2)	1.50	1.50	1.50	2.00	1.50	1.50
(3)	.01	.01	.01	.02	.015	.01
(4)	300.00	300.00	250.00	400.00	500.00	250.00
(5)	16.00	15.00	15.00	15.00	16.00	15.00
(6)	1.10	1.00	1.25	1.25	1.00	1.00
(7)	1.90	1.75	1.80	2.00	1.60	1.55
(8)	3.00	2.50	2.75	2.75	2.50	2.25
(9)	3.75	3.50	3.75	3.50	3.50	2.90
(10)	1.00	1.00	.75	.75	.50	1.00
(11)	.50	.50	1.00	1.00	.50	.50
(12)	4.00	4.00	4.00	5.00	4.50	3.60
(13)	.10	.08	.08	.07	.10	.086
(14)	50.00	50.00	50.00	50.00	50.00	50.00
(15)	1500.00	1500.00	1500.00	1500.00	1500.00	1500.00
(16)	100.00	100.00	100.00	100.00	100.00	100.00

Bids held under advisement. C. H. Sweetser, district engineer.

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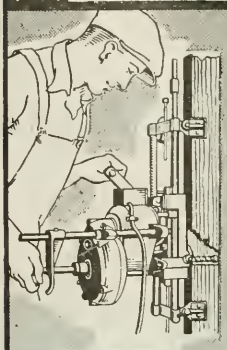
Vol. XVII—No. 6

FEBRUARY 10, 1934

WAPPAT Electric TOOLS



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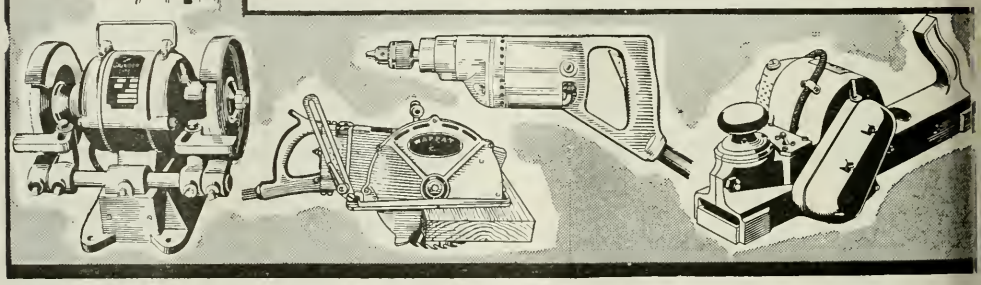

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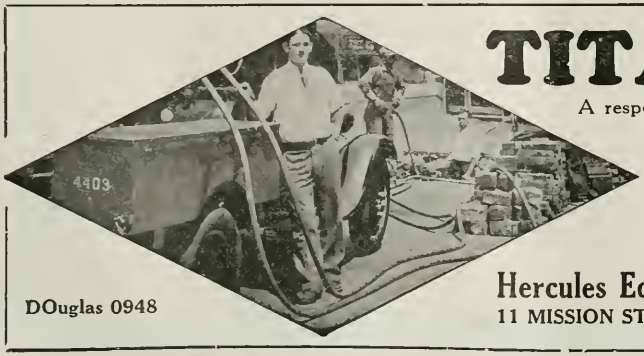

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NATIONAL CODE MAY VOID ALL CRA REGULATION

Corporation Commission Attorneys Study Document to Determine Effect

State codes created by the California Recovery Act covering several branches of the construction industry probably will be eliminated automatically when the NRA basic code just approved by the President becomes effective next month, it was conceded yesterday by officials of the State Corporation Commission.

Although no announcement will be made officially until the national code has been examined closely, the all-inclusive character of the document is interpreted generally as bringing every branch of the industry within its jurisdiction. State codes will continue in effect only if they are conclusively outside the definitions of the national code, corporation commission attorneys said.

State codes which have been approved and which may be superseded by the national code include the Hardwood Floor Contractors, Plasterers and Lathing Contractors, Excavating and Dump Truck Contractors, Concrete Contractors, Sheet Metal and Warm Air Contractors.

Preparations for the administration of the code locally are awaiting the return of officials of the Construction League of California from Washington where they attended a national meeting to study the code and its application to various branches of the industry.

SAN DIEGO A. G. C. ELECTS OFFICERS

B. O. Larsen, building contractor of San Diego, was elected president of the San Diego chapter, Associated General Contractors, at the annual meeting.

He succeeds George R. Daley as chapter president. B. G. Carroll, highway and general engineering contractor, was elected vice-president.

The chapter directors have reappointed M. A. Mathias manager and announced a campaign would be launched to double the chapter membership this year.

NRA CODE TEXT TO BE ISSUED

President Roosevelt signed the National Code of Fair Competition for the Construction Industry on January 31. The code becomes effective March 2. Prior to that time meetings will be held throughout California under the auspices of the Construction League of California to acquaint contractors with provisions of the code and to prepare for state administrative agencies.

The text of the code will be published in full in PACIFIC CONSTRUCTOR next week. Copies of the code are available at the offices of this publication at ten cents per copy and are obtainable in quantities for distribution by organizations.

Bids Received On Four State Highway Jobs

SACRAMENTO, Feb. 7. — Bids were received today by the State Highway Commission on four contracts, all in Los Angeles county. These are last contracts scheduled for opening until February 21, due to cancellations of bid calls, postponements arising from litigation over prevailing wage scales.

Following are the low bidders on each of today's openings

LOS ANGELES CO.: 15.4 miles grade and pave with asphalt concrete between Williams Ranch and Summit, Griffith Co., Los Angeles, $168,587.

LOS ANGELES CO.: 0.8 mile grade and pave with asphalt concrete in Los Angeles between Alameda street and the easterly boundary of the city of Los Angeles, Oswald Bros., Los Angeles, $63,923.

LOS ANGELES CO.: one mile grade and pave with portland cement concrete in the city of Los Angeles between State street and Mission road, C. O. Sparks, Los Angeles, and Mundo Engr. Co., Los Angeles, $181,791.

LOS ANGELES CO.: Construct two reinforced concrete girder bridges near the city of Alhambra, Clinton Const. Co., San Francisco, $93,019.

286 GET NEW LICENSES IN FIRST MONTH

Registration Indicates Total Licensees Will Exceed 1933 Figure

A net gain of 286 licensed contractors in the State of California in the month of January was reported by Registrar Carlos Huntington yesterday.

The total active licenses at the end of the month was 21,072, a substantial increase over the total at the same time last year, Huntington stated.

With five months remaining in the fiscal year the total is only 1,293 below the total of 22,365 issued in the entire previous year ending January 30, 1933.

In the thirty day period ended December 31, 1933, a total of 28 complaints were filed with the Registrar, making a total of 82 cases pending before the Bureau. Cases filed in December involve $11,016 in building jobs, while the total cases now pending involve approximately $107,204.09.

Following investigations and formal hearings in complaint cases, nine contractors were found guilty of the charges filed. In two cases, the licenses of these contractors were unconditionally revoked, while in the remaining seven cases the licenses were suspended. In eight cases, the accused contractors were acquitted.

Applications of four contractors for State licenses were denied following formal hearings when they failed to introduce sufficient evidence of character, integrity and ability, as provided in the Contractor's Act.

A total of 36 formal hearings were conducted by the Bureau. In the informal complaint section, settlements were effected in 17 cases through arbitration, thus obviating the necessity of formal hearings.

Charges of illegally operating without a State license were filed in the municipal and justice courts against 11 contractors, while 12 cases previously filed were pending at the first of the month in the courts. Convictions were obtained in 12 cases, two cases were dismissed and nine cases were still before the courts at the close of the thirty day period.

PWA CONTRACTS ARE SUBJECT TO SALES TAX

Loan or Grant of Federal Money Does Not Exempt Material

Materials sold for PWA financed construction, if non-federal projects, are subject to the state sales tax according to a new ruling issued by the State Board of Equalization.

Following is an unofficial interpretation of the law's application to PWA projects:

Gross receipts from sales of materials and supplies for use on Public Works Administration projects are taxable.

Section 203A of the National Recovery Act provides that the President is authorized and empowered "to make grants to states, municipalities or other public bodies for construction, repair or improvement of any such project but no such grant shall be in excess of 30 percent of the cost of the labor and materials employed upon such project."

Loans or grants under the above provision are made direct to the states, municipalities or other public bodies the funds so transfered being available to and subject to expenditures by, such states. municipalities, etc. When materials and supplies or equipment are purchased with those funds the state, municipality or other public body is the contracting party and the title to such materials, supplies or equipment vests in them.

The Federal government has consistently refused to insure workmen on PWA projects and has refused to permit the use of money loaned or granted by it for the purpose of paying Workmen's Compensation Insurance. At the same time the Federal government has insisted that the governmental unit carrying on such a project maintain insurance for the workmen engaged thereon.

This would indicate that the Federal government does not regard itself as the contracting party on PWA projects. It can be assumed, therefore, that gross receipts from the same of materials and supplies on PWA projects are taxable.

WARNER ELEVATOR HAS NEW PRODUCT

A new development, an undercounter electric dumbwaiter, utilizing waste space, has been developed and is being manufactured by the Warner Elevator Manufacturing Company of Cincinnati.

MATERIAL PRICES DROP SLIGHTLY

A decline in the price of lumber during the week ending January 27 is reported by the United States Bureau of Labor Statistics as the reason for a recession of three-tenths of one per cent in the national index of building material prices. The index stood at 86.2 with a base of 100.0 for the year 1926. This compares with 70.1 on March 4, 1933, and 95.4 for the year 1929.

An increase of five cents a gallon in turpentine prices was the only chance reported by San Francisco dealers during the past week.

The weekly tabulation of building material prices appears today on Page Six.

Award Contract On Eagle Mtn. Aqueduct Tunnel

LOS ANGELES, Feb. 2.—Metropolitan Water District directors today awarded a contract for construction of the East Eagle Mountain tunnel of the Colorado river aqueduct and rejected all bids for construction of Schedules 7 and 8 of the Coachella tunnel, voting to do the latter by force account.

Broderick and Gordon, low bidders on the East Eagle Mountain unit, at $912,720 received the contract.

The district's engineering estimate on the Coachella tunnels indicated that $410,000 would be saved by force account construction The estimate for Schedule 7 was $1,325,000 and for Schedule 8 was $1,814,860. The low bids were by Dravo Contracting Co. at $1,495,-225 and $1,998,560, but with the stipulation that only one schedule would be accepted.

WRIGHT IS COAST MANAGER FOR MEDUSA

Mr. O. C. Hubbard who has been representing the Medusa Portland Cement Company on the Pacific Coast, is returning east for this firm and Mr. Coy Wright is taking over the representation of the Medusa Company on the Pacific Coast, it was announced yesterday at the San Francisco office.

BOARD ELECTS H. H. GUTTERSON NEW PRESIDENT

Successor To Retiring Head Named by Architectural Examiners

Architect H. H. Gutterson of San Francisco, was elected president of the Northern Section Board of Architectural Examiners at the monthly meeting in San Francisco Tuesday. He succeeds Architect Albert J. Evers who is retiring from the board after serving for eight years, four of which he has been president.

The vacancy on the board is filled by Architect Harry J. Devine of Sacramento, who was named by Governor Rolph for the term expiring January 15, 1935. Mr. Devine took his seat on the board this week

The annual meeting of the State Board of Architectural Examiners, which is composed of the five members of the Northern Section board and the five members of the Southern Section board, will be held on the second Tuesday in April. Architect A. M. Edelman of Los Angeles, is state president. The policy of the board has been to alternate the state presidency between the northern and southern boards each year.

Members of the two boards are:

Northern Section—H. H. Gutterson, president; C. J. Ryland, secretary-treasurer; Frederick H. Meyer, W. C. Perry, Harry J. Devine.

Southern Section—A. M. Edelman president; Harold C. Chambers, secretary-treasurer; Louis J. Gill, Harold E. Burkett, G. Stanley Wilson.

SCHRAMM PRESIDENT OF PORTLAND A.G.C

Carl A. Schram, member of the firm of Parker-Schram, has been elected president of the Portland chapter of the Associated General Contractors.

Other officers elected for the year are: J. A. Lyons, first vice-president; Ross B. Hammond, second vice-president; W. T. Jacobson, secretary - treasurer, and P. L. Cooks, J. C. Compton, W. H. Feigenson, Ross Newpot, G. B. Kibbe, M. J Lynch, Nat McDougall and Guy F Atkinson on the board of directors.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

LUMBER ORDERS AT NEW HIGH FOR 1934 WEEK

Volume Reported by Mills at July Level, Association Reports

Lumber orders booked at the mills during the week ended Jan. 27 made further encouraging advances, being highest since July except for three weeks, two of which were during the abnormal November peak; production was heavier than during five preceding weeks, according to telegraphic reports to the National Lumber Manufacturers Association from regional associations covering the operations of leading softwood and hardwood mills. The reports were made by 1,224 American Mills whose production was 153,935,000 feet; shipments 136,631,000 feet; orders 187,-11,000 feet. Revised reports for the previous week for 1,207 mills were production 148,743,000 feet; shipments, 138,179,000 feet; orders 174,535,000 feet.

During the week ended January 27, all softwood regions but Southern pine and redwood reported orders above production, total softwood orders being 28 percent above output. Hardwood orders were 10 percent below hardwood production.

All regions but Southern pine reported heavier orders than during the corresponding week of last year, total softwood orders being 14 percent above those of last year's week; hardwood orders, 25 percent above last year. Production during the 1934 week was 40 percent above that of similar week of 1933; shipments were 10 percent above those of a year ago and total orders were 33 percent heavier than those of similar week of 1933.

Unfilled orders at the mills on January 27 were the equivalent of 31 days' average production of reporting mills compared with 18 days' a month ago and 19 days' on similar date of 1933.

Forest products carloadings totaled 19,647 cars during the week ended January 20, which was an increase of 1,501 cars above the preceding week; 4,808 cars above the same week of 1933 and 96 cars above similar week of 1932.

DENY LICENSE TO S. CRUZ APPLICANT

Denial of the petition of B. F. Heidloff, well known Santa Cruz builder, for a state contractor's license has been announced by Col. Carlos W. Huntington, state registrar of contractors.

Huntington's action followed a prolonged investigation and a series of formal hearings conducted by Orman Lutz, referee.

Heidloff, who was formerly a member of the contracting firm of Heidloff & Macy, was charged with having operated as an individual firm without obtaining a state license, and with failure to protect his employees with workmen's insurance.

ELEVEN BID MADERA JOB

Eleven bids were received by the Bureau of Public Roads, San Francisco, Tuesday on a contract for grading 4.2 miles of Route 74, Northfork National Forest Highway, Madera county. The low bid was that of Hemstreet and Bell, Marysville, at $106,488. The bureau engineers' estimate was $138,503.

Other bids follow:

Larsen Brothers, Sacramento, $109,344; Fredrickson & Watson Const. Co., Oakland, $117,662; A. Teichert and Son, Inc., Sacramento, $122,332; M. J. Bevenda, Stockton, $127,786; S. H. Palmer, San Francisco, $129,603; Gist & Bell, Arcadia, $137,456; Isbell Const. Co., Carson City, $140,957 Contoules Const. Co., San Francisco, $148,277; Morrison-Knudsen Co., Los Angeles, $155,550; Heafey - Moore Co., Oakland, $159,370.

U. S. BUREAU REPORTS DROP IN BUILDING

Volume of Residential Construction Declines 31% in December

According to reports received by the Bureau of Labor Statistics of the United States Department of Labor from 756 cities of the United States having a population of 10,000 or over, there was a decrease of 31.5 percent in the number of buildings, but an increase of two tenths of 1 percent in the value of buildings for which permits were issued during December as compared with November.

These permit figures cover building construction only and do not include other types of construction, such as road building, river and harbor work, reclamation projects, etc. The figures as published by the Bureau include data concerning permits issued by local building officials to which is added the number and cost of buildings for which contracts are awarded by Federal and State governments in cities having a population of 10,-000 or over. In December these totaled $4,826,871.

Between November and December there was a decrease of 36.8 percent in the number and a decrease of 46.9 percent in the estimated cost of new residential buildings for which permits were issued.

The number of new nonresidential buildings for which permits were issued decreased 39.8 percent. The estimated cost of these buildings increased 33.6 percent.

Additions, alterations and repairs to existing buildings decreased 28.6 percent in number but the value increased 26.7 percent.

Standards Bureau To Continue Work For Manufacturers

The U. S. Bureau of Standards is to continue its services in simplification of commercial standards, cooperating with the American Standards Association, according to Lyman J. Briggs, director of the bureau.

The Federal government has recognized the work of the bureau in this field as of increasing importance because of necessity for reference to standards of dimensions and quality in the NRA codes of fair competition, Mr. Briggs said.

"In order to provide maximum benefits for the ultimate consumer, the bureau, in accepting simplified practice projects, will give priority to those in which the producer groups will signify, in advance, their willingness to identify simplified items in their catalogues and other trade literature," states an announcement from the bureau.

"Similarly, in accepting commercial standards projects, the bureau will give priority to those in which the producer groups will indicate, in advance, their willingness to employ labels on the product, constituting binding guarantees of compliance with the standards set up in order that the maximum service may be rendered to the consumer in over the counter trade."

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
50	Baker	Emanuel	2000
51	Wiley	Coburn	1800
52	Risdon	Risdon	4500
53	Security	Paganini	5000
54	Bothin	Mattock	4000
55	Battaro	Oliva	7000
56	Bender	Owner	3000
57	Ward	Nelson	12000
58	Helming	Owner	1500
59	Union	Owner	3000
60	O'Brien	Ohlsen	3500
61	Rolkin	Irwin	8000
62	Paladini	Mooney	2000
63	Govanini	Owner	4000

ALTERATIONS
(50) NO. 885 MARKET ST. Alter store.
Owner—C. H. Baker, Premises.
Architect—Not Given.
Contractor—L. & E. Emanuel, 2665 Jones St., S.. F. $2000

ADDITION
(51) N MARKET ST. 155 E Church. One-story frame addition to store
Owner—J. H. Wiley, 2048 Market St., San Francisco.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market St., San Francisco. $1800

DWELLING
(52) S MARINA BLVD. 147 W Beach. Two-story and basement frame dwelling.
Owner—Lillie Risdon, % Contractor.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola San Francisco. $4500

ADDITION
(53) HOTALING ST., bet. Jackson and Washington Sts. Add one-story to two-story building.
Owner—Security Lithograph Co.
Architect—H. A. Minton, 525 Market St., San Francisco.
Engineer—L. H. Nishkain, 525 Market St., San Francisco.
Contractor—D. Paganini, 519 California St., San Francisco. $5000

ALTERATIONS
(54) SW FIRST AND HOWARD STS. Alter warehouse.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Engineer — Norman Green, Sharon Bldg., San Francisco.
Contractor—A. F. Mattock Co., 212 Clara St., S. F. $4000

DWELLING
(55) E FUNSTON 275 N Judah St. Two-story and basement frame dwelling.
Owner—C. Battora, 542 Vienna St., San Francisco.
Architect—Not Given.
Contractor—J. Oliva, 542 Vienna St., San Francisco. $7000

ADDITION
(56) 78 CERVANTES BLVD. Add to dwelling.
Owner—Ralph and Alice Bender.
Architect—H. C. Baumann, 251 Kearny St., San Francisco. $3000

(57) S MARINA BLVD. 273 E Fillmore St. Two-story frame dwelling.
Owner—James A. Ward.
Architect—Not Given.
Contractor—F. F. Nelson & Co., 2 Edgehill Way, S. F. $12,000

DWELLING
(58) NO. 109 POPE ST. One-story and basement frame dwelling.
Owner—G. Helming, 109 Pope St., San Francisco.
Architect—Not Given. $1500

ADDITION
(59) NE MARKET AND CASTRO. Addition to service station.
Owner—Union Oil Co., 1018 Mills Bldg.
Architect—Not Given. $3000

DWELLING
(60) S HUDSON 120 E Mendell St. One-story and basement frame dwelling.
Owner—Margaret O'Brien, 242 Vienna St., San Francisco.
Architect—Not Given.
Contractor—A. H. Ohlsen, 2869 Harrison St., S. F. $3500

ALTERATIONS
(61) SE GOUGH AND TURK STS. Alter apartments.
Owner—Edward Rolkin, Premises.
Architect—Not Given.
Contractor—J. J. Irwin, 1040 Oak St., Stn Francisco. $8000

REPAIRS
(62) NO. 543 CLAY ST. Repair fire damage to building.
Owner—Paladini Investment Co., Inc., 540 Clay St., San Francisco.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher St., San Francisco. $2000

ALTERATIONS
(63) NO. 407 BROADWAY. Alter hotel.
Owner — Daniel Govanini and Olive Sargentini, 2020 Alameda Ave., Alameda.
Architect—Not Given. $4000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
40	Pressler	Owner	4500
41	Standard	Barrett	7000
42	Standard	Barrett	16500
43	Standard	Barrett	29000
44	Standard	Barrett	221600
45	Standard	Barrett	28500
46	Standard	Barrett	9500
47	Standard	Barrett	3500
48	Kruger	Smith	1895
49	Wilcox	Owner	2500
50	Dooley	Owner	5000
51	Dooley	Owner	5000
52	Scammell	Owner	4000
53	Peters	Wiggins	2000
54	Dooley	Owner	5000
55	Sea Cave	Peterson	2000
56	TWENTIETH	Cone	1200
57	German	Strehlow	2786
58	McGuire	Owner	1500

DWELLING
(40) NO. 4174 LYMAN ROAD., **OAKLAND.** One-story 6-room dwelling.
Owner—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given. $4500

PUMP HOUSE
(41) NO. 921 NINETY-EIGHTH AVE., **OAKLAND.** One-story brick pump house.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $7000

FILTER PLANT
(42) NO. 921 NINETY-EIGHTH AVE **OAKLAND.** One-story brick filter plant.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $16,500

BOILER HOUSE
(43) NO. 921 NINETY-EIGHTH AVE. **OAKLAND.** One-story brick boiler house.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $29,500

FACTORY
(44) NO. 921 NINETY-EIGHTH AVE. **OAKLAND.** Five-story brick factory.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $221,500

FACTORY
(45) NO. 921 NINETY-EIGHTH AVE. **OAKLAND.** One-story brick factory.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $28,500

PUMP HOUSE
(46) NO. 921 NINETY-EIGHTH AVE. **OAKLAND.** One-story concrete pump house.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $9500

ICE HOUSE
(47) NO. 921 NINETY-EIGHTH AVE. **OAKLAND.** One-story brick ice house.
Owner—Standard Brands of Calif., 245 11th St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $3500

DWELLING & SHOP
(48) 5830 COLLEGE AVENUE, **OAKLAND;** one-story 3-room dwelling and shop.
Owner—Mrs. Lida Kruger, 5897 Claremont Ave., Oakland.
Architect—Not Given.
Contractor—Geo. Smith, 829 20th St., Oakland. $1895

DWELLING
(49) NO. 6200-02 MERRIEWOOD DR. **OAKLAND.** One-story 6-room 2-family dwelling.
Owner—Wilcox & Bordier, 6200 Merriewood Drive, Oakland.
Architect—Not Given. $2500

DWELLING
(50) NO. 253 FLORENCE AVENUE, **OAKLAND.** One-story six-room dwelling.
Owner—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. $5000

DWELLING
(51) NO. 3201 WISCONSIN STREET, **OAKLAND.** One-story six-room dwelling.
Owner—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. $5000

DWELLING
(52) NO. 3715 ELSTON AVENUE, **OAKLAND.** One-story six-room dwelling.
Owner—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4000

STATION
(53) NO. 8400 E-FOURTEENTH ST., **OAKLAND.** One-story brick and concrete service station.
Owner—John Peters, Granada Theatre, Oakland.
Architect—Not Given.
Contractor—Wiggins & Swanson, 3906 Laguna Ave., Oakland. $2000

DWELLING
(54) NO. 247 FLORENCE AVENUE, **OAKLAND.** One-story six-room dwelling.
Owner—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. $5000

ALTERATIONS
(55) NO. 441 TWELFTH ST., **OAKLAND.** Alterations.
Owner—Sea Cave, Premises.
Architect—Not Given.
Contractor—J. B. Peterson & Son, 4021 Agua Vista Ave. $2000

ALTERATIONS
(56) NO. 1904 TELEGRAPH AVE., **OAKLAND.** Alterations.
Owner—Twentieth & Broadway Realty Company.
Architect—A. J. Evers, 525 Market St., San Francisco.
Contractor—W. C. Cone, 608 16th St., Oakland. $1200

ADDITION
(57) NO. 32 HOME PLACE EAST, **OAKLAND.** Tile addition and alterations.
Owner—German Pioneer House, Prem.
Architect—Not Given.
Contractor—Strehlow & LaVoie, 600 Central Ave., Alameda. $2786

SHOP
(58) NO. 1483 HOPKINS ST., **OAKLAND.** One-story shop.
Owner—McGuire & Hester, 1483 Hopkins St., Oakland.
Architect—Not Given. $1500

SAN FRANCISCO UNDER $1000

MARQUEE, steel, $140; 743 Polk St.; owner, Edward Rolkin, 44 4th St.; contractor, Peerless Ornamental Iron & Bronze Co., 1528 Folsom.
SIGN, electric, $200; 150 5th St.; owner, M. & M. Tavern, 150 Fifth St.; contractor, Brumfield Elec. Sign Co., 965 Folsom St.
ALTER office, $125; 976 Market St.; owner, Louis Silver, Premises.
ALTER dwelling, $500; 4116 Lawton St.; owner, Mrs. Fred Hazelwood, 4116 Lawton St.
SIGN, electric, $200; 990 Post St.; owner, Oscar's Inn, 990 Post St.; contractor, Brumfield Elec. Sign Co., 965 Folsom St.
ALTER store, $200; 2142 Fillmore St.; owner, C. W. Cadwalder, 819 Monadnock; architect, Martin A. Sheldon, 681 Market St.; contractor, Louis Sartorio, 2627 Lombard
ALTER stores, $50; 9 Main St.; owner, M. Fleishhacker.
ALTER store, $500; 560 Sutter St.; owner, Lux School, Hobart Bldg.; contractor, L. M. Bruce, 3553 Divisadero St.
SIGN, electric, $150; 322 Eddy St.; owner, S. H. Rhodes, 322 Eddy St.; contractor, American Electric Sign Co.; 1740 Eddy St.
REPAIR fire damage to Class C brick store and hotel, $800; 625 Larkin St.; owner, S. Hertzman, 2118 Mission St.; contractor, F. J. Early Jr., 369 Pine St.
GARAGE and factory, one-story frame $300; N Burrows 100 W San Bruno Ave.; owner, J. Howard, Burrows St.; contractor, M. Brueck, 606 Bayshore Blvd.
BARBER pole, $50; 76 Sixth St.; owner, Oak Barber Shop, Premises; contractor, W. B. Baker & Co., 15 Harriet St.
ALTER store, $750; 2190 Chestnut St.; owner, Owl Drug Co., 657 Mission St.; contractor, Louis C. Dunn 424 Monadnock Bldg.
ALTER apartments, $25; 1425 Chestnut St.; owner, Franklin Realty & Investment Co., 2801 Van Ness.
ALTER dwelling, $45; 635 Central Ave. owner, N. Kapustin, Premises.
SIGN, electric, $125; 1123 Market St.; owner, C. J. Gauntt, 1123 Market St.; contractor, QRS Neon Corp., Ltd., 690 Potrero Ave.
ALTER office, $550; 240 Battery St.; owner, General Steamship Corp., Prem.; contractor, Amiot & Boehm 329 Commercial St.
ALTER office, $400; 576 Sacramento St.; owner, Capital Co., 625 Market St.
ALTER store, $150; SW Sutter and Van Ness Ave.; owner, C. S. Morbio, 74 New Montgomery St.; contractor, J. Hink, 1459 Van Ness Ave., South.
ALTER store, $125; 306 Columbus Ave. owner, M. S. Bacigalupi, 2015 Stockton St.; contractor, Rome Carpenter Shop, 1659 Powell St.
ADD two rooms to dwelling, $700; 1318 43rd Ave.; owner, Mrs. M. A. Scheman, 1318 43rd Ave.
SIGN, electric, $250; 127 Grant Ave.; owner, Robert's Furs, 127 Grant; contractor, Novelty Elec. Sign Co., 66 Washburn St.
ALTER store, $100; 3137 Mission St.; owner, E. G. Bowman, 267 Ellsworth St.
ALTER dwelling, $25; 437 Chenery St. owner, Alfred Anderson, 270 Locust St.
SIGN, electric, $125; 1 Columbus Ave.; owner, Jacopetti's, Prem.; contractor, Novelty Elec. Sign Co., 66 Washburn St.
SIGN, electric, $175; 925 Powell St.; owner, G. Harrison, 925 Powell St.
FENCE, $3; 1179 Fitzgerald St.; owner, Mrs. W. Gonzales, 1179 Fritzgerald St.
ALTER store, $450; 1024 to 1027 kearny St.; owner, R. Scalabrino, 1024 Kearny St.; contractor, S. A. Giusti & So., 200 Green St.
BILLBOARD, $12.50; E Van Ness Ave. 100 N Greenwich St.; owner, Foster & Kleiser Co., 1675 Eddy.
ALTER stores, $162; 897 Valencia St.; owner, Matt I Sullivan, 220 Mills Tower.
BILLBOARD, $12.50; NE Geary and Seventh Ave.; owner, Foster & Kleiser Co., 1675 Eddy St.
SIGN, electric 100; 12th & Howard Sts.; owner, Fageol Motors, 12th and Howard Streets; contractor, Elec. Products Corp., 255 Golden Gate Ave.
ALTER store and flats, $600; NW Union and Laguna Sts.; owner, R. Bacchi, 675 Marina Blvd.; contractor, S. Mazzoncini, 3020 Buchanan
ALTER offices and stores, $400; 250 to 256 Montgomery St.; owner, J. Barneson, 256 Montgomery St.
BILLBOARD, $12.50; NE Geary St. and 8th Ave.; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $25; S Fell 115 E Baker St.; owner, Foster & Kleiser Co., 1675 Eddy St.

ALAMEDA COUNTY UNDER $1000

SIGN, electric, $300; 3830 Grand Ave., Oakland; owner, Monett Chevrolet Co.; contractor, Wonderlite Neon Products Co., 170 Otis St., S. F.
SIGN, electric, $200; 715 Broadway, Oakland; owner, J. T. Mallory; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
REPAIRS, $200; 5505 McMillan St., Oakland; owner, Mrs. A. L. Hannaford, Premises; contractor, Alpine Wood & Supply Co., 2846 Shattuck Ave.
ALTER for garage, $100; 601 46th St., Oakland; owner, F. Aletto, Prem.
ALTERATIONS, $135; 836 Webster St., Oakland; owner, James Rohan, 836 Webster St.
BILLBOARD, $50; NE Seventh Ave. and E-14th St., Oakland; owner, Foster & Kleiser, 22nd and Market
SIGN, electric, $250; 3131 E-14th St., Oakland; owner, Loviers Radio Shop; contractor, Imp Elec. Sign Co.; 2228 Myrtle St.
REPAIRS, $750; 830 outlook Avenue, Oakland; owner, Veterans Welfare Board, 364 14th St.
REPAIRS, $100; 801 27th St., Oakland owner, A. Sayous, Premises; contractor, Joe Benassini, 1357 Addison St., Berkeley.
ALTER store front, $200; 1131 Clay St., Oakland; owner, Roscoe Havens, Blake Bldg.
ALTERATIONS, $150; 2417 Jefferson St., Berkeley; owner, E. Francesconi, Premises.
ALTERATIONS, $50; 2660 Shattuck Ave., Berkeley; owner, Havens Estate; contractor, Curtis Wright 2716 Telegraph Ave.
STORE, one-story, $600; 5115 Telegraph Ave., Oakland; owner, H. Silverman, 623 37th St.
ADDITION, $160; 675 36th St., Oakland; owner, L. B. Trenchel, 675 36th St.
REPAIRS, $98; 2432 Montana St., Oakland; owner, H. Z. Jones, 359 17th St.; contractor, A. A. Haskell, 255 Ridgeway Ave.
SHED, one-story, $50; 371 30th St., Oakland; owner, F. J. Carlson, 207 Wakefield Bldg.
RESTAURANT, one-story, $600; 4345 Telegraph Ave., Oakland; owner, Geo. Pucci 481 55th St.
ALTERATIONS, $135; 351 17th St., Oakland; owner, H. Z. Jones, 359 17th St.; contractor, A. A. Haskell, 255 Ridgeway Ave
REPAIRS, $77; 2011 E-21st St., Oakland; owner, H. Z. Jones, 359 17th St.; contractor, A. A. Haskell, 255 Ridgeway Ave.
ALTER for garage, $65; 1478 34th St., Oakland; owner, Mabel Rittel, 40 Forest Drive, San Francisco.
ALTERATIONS, $90; 2715 Stuart St., Berkeley; owner, Rev. J. A. Ten Brock, Premises; contractor, J. L. Trenton, 1718 Dwight Way.

BUILDING CONTRACTS
ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
3	Hieronymus	Anderson	2991

ALTERATIONS
(3) SANTA CLARA AVE AND OAK St., Alameda. All work for alterations and additions and garage.
Owner—Fay E. Hieronymus.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.
Filed Feb. 7, '34. Dated Feb. 5, '34.
Rough frame up.....$747.75
1st court plaster on..... 747.75
Completion notice filed..... 747.75
Usual 35 days..... 747.75
TOTAL COST, $2991.00
Bond, none. Limit, 60 days. Forfeit, plans and specifications none.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
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Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
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17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Bids Being Taken.

APARTMENTS Cost, $30,000
SAN FRANCISCO. SW Jefferson and Webster Streets.
Three-story and basement frame and stucco apartment building (18 2, 3 and 4-room apts.) composition 10-year roof, gas steam heating plant, elevator, individual electric refrigeration, canvas walls, tiled baths and showers, electric ranges etc.
Owner & Builder—Ben Leibman, 1555 Francisco St., San Francisco.
Architect—R. R. Irvine, 2048 Market St., San Francisco.

Contract Awarded.

ALTER APARTMENTS Cost, $8000
SAN FRANCISCO. SE Gough and Turk Streets.
Alterations to frame apartment building.
Owner — Edward Rolkin, Jefferson Apts., Gough and Turk Sts., S. F.
Architect—Not Given.
Contractor—J. J. Irwin, 1040 Oak St., San Francisco.

3— CHURCHES

Plans Completed.

CHURCH Cost, $3000
CROCKETT, Contra Costa Co., Cal.
One-story wood frame church building (shakes exterior, shakes roof, gas heating system, wood floors) auditorium to seat 100.
Owner—St. Marks Episcopal Church (Rev. Miller, pastor), Crockett.
Architect—W. C. Ambrose, 244 Kearny St., San Francisco.
Bids will be asked at a later date.

Plans Being Figured.

CHURCH Cost, $30,000
SAN FRANCISCO. Fourteenth Ave. and Clement St.
One-story reinf. concrete and steel church (to seat 700) felt, gravel and terra cotta tile roof, some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect—F. W. Dakin, 625 Market Street.
William Spivock, Hobart Bldg., desires sub-bids on all portions of the work.

COMMISSIONED TO PREPARE PLANS.

WEST LOS ANGELES, Calif. — Architect P. P. Lewis, 1063 Westwood Blvd., West Los Angeles, has been commissioned to prepare plans for a church building to be built at the corner of Hilgard Ave. and Lindbrook, West Los Angeles, for the Christian Science Church. The building will seat about 500 and will be of frame and stucco construction, tile roofing, cement floors carpeted, hardwood and pine floors, gas steam radiators, toilets, etc.

PLANNED

CARMEL, Monterey Co., Cal.—Plans are under way for the restoration of the old Mission Carmel. Work involves tile roofing, reconstruction of walls, etc. Henry Downie, Engineer. Michael D. O'Connell, pastor, Carmel. Estimated cost, $50,000.

PLANNED

LOS AMIGOS, Los Angeles Co., Cal. —B. W. Stevens, Episcopal bishop, John A. Eby, of the Church Federation of Los Angeles, and J. J. Cantwell, Roman Catholic bishop, have asked the Los Angeles county supervisors to build a new church at Rancho Los Amigos. Wm. Davidson, Los Angeles county mechanical engineer, was authorized to report on the condition of the existing structure.

4— FACTORIES & WAREHOUSES

PLANNED.

STOCKTON, San Joaquin Co., Cal. —A 44-acre tract of land on Rough and Ready Island has been purchased through Grant L. Shipley, industrial engineer of Pittsburgh, Pa., representative of a large engineering company, who are planning to construct a plant for treating poles and railroad ties. Further details will be announced by Col. B. C. Allin, Port Director, Stockton.

Painting Contract Awarded.

SHOP Cost, $11,000
SAN FRANCISCO. W Russ St. 100 S Howard Street.
One-story and mezzanine floor Class C Shop building.
Owner—Amalgamated Laundries, 385 8th St., San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Painting—J. H. Devert, 912 Harrison St., San Francisco.
Other awards reported December 26, 1933.

Painting Contract Awarded.

ADDITION Cost, $32,000
EMERYVILLE, Alameda Co., Cal.
One-story steel, brick and concrete addition to factory.
Owner—Paraffine Co., Inc., Emeryville
Engineer — Leland Rosener, 233 Sansome St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Painting—H. C. Lovett, 4400 Broadway Oakland.
Other awards reported Jan. 24.

SUB-BIDS WANTED

LOS ANGELES, Cal.—Robt. E. Millsap, Pacific National Bldg., desires sub-contract bids on all trades to be incorporated in a general contract bid he will submit on February 6 to the Firestone Tire & Rubber Co., 2525 Firestone Blvd., for alterations to the three-story building at 12th and Figueroa Sts., and a new unit to be added to the north side of the structure. Plans were prepared by Architect Robert H. Orr, 1300 Corporation Bldg. Cost, $60,000.

Planned.

WINERY Cost $.....
LODI, San Joaquin Co., Calif.
Community winery.
Owner—Corporation composed of Elliot W. Morse, Walter E. Garrison, Jack V. Bare, Carrol Skinner and Theo Beckman.
Architect—Not given.

Sub-Contracts Awarded.

BREWERY Cost, $250,000
SAN FRANCISCO. Tenth and Bryant Streets.
Stock house, bottling house and enlarging present brewery (Class A steel, concrete and brick construction).
Owner—Milwaukee Brewing Co., 490 Tenth Street.
Engineer—W. E. Murray, 908 Hayes Street.
Contractor—Cahill Bros., 206 Sansome St., at $65,000.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Avenue.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and Tenth Sts.
Plumbing—J. H. Pinkerton, 927 Howard Street.
Ventilating—R. J. Neilan, 39 Isis St.
Mill Work — Brannan Street Planing Mill, 560 Brannan St.

Sub-Contracts Awarded.

ADDITION Cost, $10,000
SAN FRANCISCO. No. 383 Brannan Street.
Two-story structural steel and brick addition to rear of warehouse.
Owner—San Francisco Warehouse Co., 625 Third St., San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel and Miscellaneous Iron—Fair Manufacturing Co., 617 Bryant St., San Francisco.
Brick—William Rainey, 323 Clementina St., San Francisco.

Sub-Contracts Awarded.

ALTERATIONS Cost, $5000
SAN FRANCISCO. SW First and Howard Streets.
Alterations to warehouse.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Engineer — Norman Green, Sharon Bldg., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Shoring—D. J. and T. Sullivan, 1942 Folsom St., San Francisco.
Concrete — Geary & Co., Russ Bldg., San Francisco.
Electric—Seabeach Electric Co., 1021 Guerrero St., San Francisco.

PLANS COMPLETED

LOS ANGELES, Cal. — Robert H. Orr, architect, 724 S. Spring St., applied for building permit to alter and construct one-story Class A reinforced concrete addition to tire storage building at 1165 S. Figueroa St. for Firestone Tire & Rubber Co., owner, 2525 Firestone Blvd.; 73x149 feet, composition covered reinforced concrete roof, skylights, metal roof vents, steel sash, structural steel, plaster exterior, collapsible steel gates, metal lath, cement and quarry tile floors, metal-clad doors, plate glass, hollow tile and plaster partitions, lockers, etc.; steam heating, tire chute, gasoline tanks, service pumps, brake tester, power equipment, etc.; alterations to the existing portion consist of removing and replacing concrete columns, installing steel plate girders, moving elevator, removing certain partitions

and sections of reinforced concrete floor, etc.; $60,000.

TO START CONSTRUCTION SHORTLY

SAN DIMAS, Los Angeles Co., Cal. —Grant & Bruner, Ltd., 607 Ferguson Bldg., Los Angeles, have completed engineering and architectural plans and will erect an addition to lemon packing plant at San Dimas for the San Dimas Lemon Assn. The addition includes construction of an insulated basement, with concrete walls and floors; and of a new main floor in this section with structural steel frame, wood floor joists and sub-floors, maple and mastic finish floors. A one-story reinforced concrete machinery room, 32x39 feet, will be erected to house refrigeration machinery, to be furnished and installed by the York Ice Machine Corp. Cost, $25,000.

Sub-Contracts Awarded.

OIL TERMINAL Cost, $50,000
STOCKTON, San Joaquin Co., Cal. Rough and Ready Island.
Steel oil terminal, dock, storage tank, 55,000 barrel capacity; office building, etc.
Owner — George H. Corse et al, 405 Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Chicago Bridge & Iron Works, 116 New Montgomery St., San Francisco.
Piling—P. Sinnock, 147 W. Scotts St., Stockton.
Water Well—George M. Clark, Route 4, Box 492, Stockton.
Water Pumping Plant and Equipment—Sterling Pump Co., 646 S. California St., Stockton.

Contract Awarded.

ALTERATIONS $5000
SAN FRANCISCO. SW First and Howard Streets.
Alterations to warehouse.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Engineer — Norman Green, Sharon Bldg., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francsico.

Contract Awarded.

SHOP & RESIDENCE Cost, $2000
OAKLAND, Alameda Co., Calif. 5830 College Avenue.
One-story frame shop and residence.
Owner—Mrs. Lida Kruger, 5897 Claremont Ave., Oakland.
Architect—Not Given.
Contractor—Geo. Smith, 829 20th St., Oakland.

Construction Under Way.

REMODEL WINERY Cost, $——
NAPA, Napa Co., Calif.
Remodel winery (distillery, concrete work, etc.)
Owner—Bennedett Distilling Co., (P. Sansome St., San Francisco.
Architect—Not Given.
Contractor—Frank Gaggero, Pine and Jefferson Sts., Napa.
De La Montanya, president) 705

Planned.

PLANT Cost, $150,000
BATES STATION, Madera Co., Cal.
Construct granite plant (all steel structure, 400x120 ft.); concrete foundations, etc.
Owner—Kingsland Granite Co. (Wm. A. Hubbard, Vice President), 602 Belmont St., Fresno.
Architect—Not Given.

TO ASK BIDS.

LOS ANGELES, Calif. — Cudahy Packing Co., 803 Macy St., expects to take bids in two or three weeks for a three-story, class D addition to their rendering building at 803 Macy St. Plans have been approved by the Los Angeles city building department and have been sent to the company's Chicago office for authority to proceed with the work. The addition will be a brick structure, 41x60 feet in area, with composition covered reinforced concrete roof, structural steel, brick floors, steel sash, metal fire doors, two freight elevators pipe railings, brick and tile partitions, etc. Cost $15,000.

Plans Being Prepared.

BUILDINGS Cost, $10,000
ALAMEDA, Alameda Co., Cal. Corporation Yard (North end Grand Street).
Group of seven reinforced concrete buildings (sheds, etc.)
Owner—City of Alameda.
Engineer—G. E. Sperbeck, City Hall, Alameda (% Street Dept.)

6—GARAGES & SERVICE STATIONS

Planned.

SERVICE STATION Cost, $——
BERKELEY, Alameda Co., Cal. Sacramento and Julia Streets.
One-story brick service station.
Owner—Day Independent Oil Co., 2813 Park St., Berkeley.
Architect—Not Given.
Property has been rezoned by the Berkeley Planning Commission.

Contract Awarded.

SERVICE STATION Cost, $7000
OAKLAND, Alameda Co., Cal. Harrison St. between 24th and 26th.
Two - unit steel service station (six pumps).
Owner—General Petroleum Corp., 1921 Broadway, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.
Present building on site to be razed.

Sub-Contracts Awarded.

SERVIC ESTATION Cost, $2000
OAKLAND, Alameda Co., Calif. 6232 College Avenue.
One-story steel service station.
Owner—Union Oil Co., 1018 Mills Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3440 Laguna Ave., Oakland.
Steel Building—Michel & Pfeffer Iron Works, Harrison & 10th Sts., San Francisco.
Electric—T. L. Rosenberg, 411 Webster St., Oakland.
Plumbing—P. R. Pierce Plumbing Co. 7109 E 14th St., Oakland.

Plans Completed

SERVICE STATION Cost $3,000
SAN JOSE, Santa Clara Co., Calif., SE 12th & Santa Clara St.
Construction service building and alterations to gasoline station.
Owner—Standard Stations, Inc., St Claire Bldg., San Jose.
Architect—Plans by Engineering Department of Owner.

Sub-Contracts Awarded.

SERVICE STATION Cost, $5000
BERKELEY, Alameda Co., Cal. No. 2720 San Pablo Ave.
One-story Class C service station.
Owner—A. J. Campbell, 3276 Arizona St., Oakland.
Architect—Not Given.
Contractor—H. P. Nerhelm, 3276 Arizona St., Oakland.
Roofing—S. Caynes.
Painting—R. Earshol.
Plumbing—A. I. Baker, 1510 Cedar St., Berkeley.
Hardware—J. A. McKeever, 3920 Hopkins St., Oakland.

Contract Awarded.

SERVICE STATION Cost, $2000
OAKLAND, Alameda Co., Cal. No. 8400 E-Fourteenth St.
One-story brick and concrete service station.
Owner—John Peters, Granada Theatre Oakland.
Architect—Not Given.
Contractor—Wiggins & Swanson, 3906 Laguna Ave., Oakland.

7—FEDERAL BUILDING

BID OPENING DATE POSTPONED.

SAN FRANCISCO.—Until 2 P. M., Feb. 19 (opening date postponed from Feb. 8) bids will be received by the Treasury Department, Washington, D. C., for plaster models for the new Federal office building under construction in San Francisco. No deposit required for plans.

Following have procured plans:

Paul E. Danivelle, 548 7th St., San Francisco.

Washington Ornamental Co., 1313 13th St., St. N.W., Washington, D. C.

Louis R. Ketchner, 330 E 7th St., St. Paul, Minn.

Rohetti and Parsini, 218 E 25th St., New York City.

BIDS WANTED

VALLEJO, Solano Co., Calif.—Until February 28, 12 noon, bids will be received by R. L. Cassady, Postmaster, Vallejo post office, for the erection of an iron fence around Federal Bldg. at Vallejo.

AWARD.

FT. STANTON, N. M.—Wm. Ferguson, Capitan, N. M., was awarded a contract by the Treasury Department, at $5985, for repairs to test houses at the U. S. Marine Hospital, Ft. Stanton, N. M.

LOW BIDDER.

FT. STANTON, N. M.—Lydick Roofing Co., Lubbock, Texas, submitted the low bid to the Treasury Department at $5760 for re-roofing the U. S. Marine Hospital at Ft. Stanton.

SITE BIDS WANTED.

SANTA PAULA, Ventura Co., Cal. —Until 9 A. M., Feb. 16, bids will be received by the postmaster at Santa Paula for the sale or donation of a site for the U. S. postoffice to be erected in Santa Paula. The sum of $52.800 was appropriated for the project last November.

BIDS WANTED

SAN FRANCISCO—Until February 23, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for the construction of a Marine Repair Shops Building with utilities at Fort Mason. Plans and specifications available from above office upon deposit of $15.

COMPLETE BID LISTING.

SEATTLE, Wash. — As previously reported, Patterson Bros., 578 Santa Rosa Ave., Berkeley, Calif., submitted the low bid to Treasury Department at $18,490 for painting plaster at U. S. Federal office building in Seattle. Following bids received:

Patterson Bros., Berkeley.....$18,490
D. Zelinsky, San Francisco..... 18,862
Thayer & Thayer, Seattle..... 22,739
West Coast Painting & Decorating Co., Seattle 23,112
Erickson Painting & Decorating Co., Seattle 25,600
Chas. G. Swanson, Seattle..... 27,000
Anderson & Nelson, Seattle..... 39,700
Bids held under advisement.

LOW BIDDER

MODESTO, Stanislaus Co., Cal.—Sherwood Curtain Co., New York City, submitted low bid to the Post Office Department on January 31, at $471, 1% for furnishing Venetian blinds for the Modesto Post Office.

PLUMBING AND HEATING CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.

—San Francisco Construction Co., 3159 Fillmore St., San Francisco, awarded plumbing and heating contract to M. Destano, 3117 Fillmore St., San Francisco, for the bachelor officers' quarters at Hamilton Field. Cost $83,800.

As previously reported, excavation awarded to Devencenzi Bros. & Co., 150 Collins St., S. F.; reinforcing steel to Truscon Steel Co., Atlas Bldg., S. F.; sash and screens to Truscon Steel Co., Atlas Bldg., S. F.; electric to C. Langlais, 472 Tehama St., S. F.

Plans Being Prepared.

UTILITY BLDG. Cost, $117,900
YOSEMITE, VALLEY, Merced Co.
One-story fireproof utility building (concrete walls and floors, structural steel frame, hollow tile dividing walls).
Owner — United States Government (National Park Service).
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.

Plans will be completed about March 15 and forwarded to Washington for approval.

BIDS OPENED

SAN FRANCISCO—Theo. Johanns, 2020 15th St., at $348 submitted low bid to Public Works Officer, 12th Naval District, San Francisco, for wood and glass partitions at the District Staff Headquarers, 100 Harrison St., San Francisco, Spec. No. 7605. Following bids received:

Theo. Jahanns	$348
Roy Lind	469
Unit-Bilt Fixture Co.	475
M. E. Vukicevich	487
Mullen Mfg. Co.	492
DeLucca & Son	517
Joel Johnson	523
Thomas M. Jones	615
Brass & Kuhn	641

Bids held under advisement.

PROSPECTIVE BIDDERS

SUMMITT, Canal Zone and Lualualei, Oaho, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 14, 11 A. M., for 300-foot and 600-foot steel radio towers at the Naval Radio Stations, Summit, Canal Zone, and Lualualei, Oahu, T. H. Specification No. 7524

General Electric Co., Schenactady, New York.

Pittsburgh-Des Moines Steel Co., Neville Island Station, Pittsburgh, Pa.

North America Iron & Steel Co., Inc., 136 57th St., Brooklyn.

Belmont Iron Works, 22nd and Washington Ave., Philadelphia, Pa.

Hartenstine Crane Co., 125 Broadway, New York City.

Blake-Palmer Electric Co., 1915 E St., N. W., Washington, D. C.

The Phoenix Bridge Co., Pheonixville, Pa.

International-Stacey Corp., 375 Michigan Ave., Columbus, Ohio.

McClintic-Marshall Corp., Bethlehem Pa.

Chicago Bridge & Iron Works, 1700 Walnut St., Philadelphia, Pa.

Lehigh Structural Steel Co., Allertown, Pa.

Tucker McClure, Washington Hotel, Cristobal, C. Z.

U. S. Steel Products Co., 30 Church St., New York City.

Plans and specifications available from above office and from Commandant, Twelfth Naval District, 100 Harrison Sts., San Francisco, upon deposit of $25.

BIDS WANTED

SELMA, Fresno Co., Cal.—Until Feb. 14, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the U. S. Post Office, Selma.

BIDS WANTED.

SAN FRANCISCO.—Until 2 p. m. February 23, bids will be received by the Treasury Department, Office of the Supervising Architect, Washington, D. C., for elevator plant to be installed in the new Federal office building under construction in San Francisco. Plans and specifications may be obtained from the Supervising Architect in Washington.

BIDS WANTED.

SELMA, Fresno Co., Calif.—Until February 14th, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C. for one group of steel shelving for the U. S. Post Office at Selma. Proposal No. 993.

PROSPECTIVE BIDDERS

BOISE, Idaho—Until Feb. 20, bids will be received by the Treasury Department, Washington, D. C., for repairs to Assay Office in Boise, Idaho. Following have procured plans:

Libbey & Libbey, 2423 2nd Ave., S. Minneapolis, Minn.

Newman Bros., Inc., 416 Elm St., Cincinnati, Ohio.

W. B. Lovell, 1415 8th St., Minneapolis, Minn.

B. H. Case, 2548 Sheridan Drive, Norwood, Ohio.

BIDS REJECTED

FORT STANTON, N. M.—Construction Division, War Department, Washington, D. C., rejected all bids received for furnishing and installing a passenger elevator in the Marine Hospital, Fort Stanton, N. M., and will readvertise the work at an early date.

ADDITIONAL PROSPECTIVE BIDDERS

EDIZ HOOK, Wash.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the U. S. Coast Guard, Washington, D. C., on February 14, for the construction of a brick radio building, 24x161 feet, with concrete foundations, electric lights, water supply system, heating, plumbing and sanitary systems at the coast Guard Air Station, Ediz Hook, Wash.:

Chris. Kupplers, 322 W. 10th St., Port Angeles, Wash.

Lee Gordon, Port Angeles, Wash.

S. S. Mullen, Port Angeles, Wash.

Seattle Constr. Co., Solduc Hot Springs, Wash.

Sig Larson, 334½ W. 12th St., Port Angeles, Wash.

Angeles Gravel & Supply Co., Port Angeles, Wash.

BIDS WANTED

FORT LEWIS, Wash. — Until Feb. 14, 11 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, for the construction of seven one - story concrete and brick gun sheds at Fort Lewis, Washington. Buildings are all one-story of concrete construction faced with brick, concrete floors, ashestos shingle roofing, steel roof trusses. Buildings range in size from 160x41 feet to 338 by 35 feet.

Plans and specifications availahle from above office upon deposit of $15.

TO ASK BIDS

ALHAMBRA, Los Angeles Co., Cal. —Treasury Department, Washington, D. C., announces that plans for the Alhambra Post Office, to be built on South Garfield Ave., Alhambra, have received final approval and bids will be called for soon. John Walker Smart, 39 E. Main St., Alhambra, is the architect. The building will be a two-story reinforced concrete structure. The appropriation is $165,000.

BIDS WANTED

BEND, Oregon—Until February 23, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office, Bend, Oregon. Specifications available from above office and from the Custodian of the Building, Bend, Oregon.

CONTRACT AWARDED

SAN FRANCISCO—Thos. M. Jones, 643 29th Ave., at $1687 awarded contract by Post Office Department, San Francisco, for metal protection partitions in the main entrance of the mint at Fifth and Mission Sts.

Complete bids published January 26.

CONTRACT AWARDED

SACRAMENTO, Cal.—H. A. Framburg & Co., Chicago, Ill., at $5345 awarded contract by Treasury Department for furnishing and installing interior lighting fixtures in the U. S. Post Office and Courthouse at Sacramento.

Complete bids published January 12.

BIDS WANTED

SEATTLE, Wash.—Until 2 P. M., February 23, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster in the United States immigration station and assay offic at Seattle. Specifications may be obtained from the custodian of the building or from the Supervising Architect in Washington.

AWARD

SAN FRANCISCO — Thomas M. Jones, 643 29th Ave., San Francisco, has been awarded a contract by the Treasury Department, at $1687, for installing grilles and partitions in the United States Mint at San Francisco.

COMPLETE BID LISTING.

FORT LEWIS, Wash.—As previously reported, Hoard Engineering Co., Seattle, at $97,594 submitted low bid to the Constructing Quartermaster at Fort Lewis for the construction of bachelor officers' quarters, and at $72-690 submitted low bid for Administration building to be erected at Fort Lewis.

Following bids received:

Bachelor Officers' Quarters

Hoard Engr. Co., Seattle	$ 97,594
A. F. Mowat, Seattle	103,000
McDonald Bldg. Co., Tacoma	103,579
West Coast Const. Co., Seattle	103,740
J. Lowry, Spokane	107,464
Nelse Mortensen, Seattle	107,718
Lipscomb-McCoy, Seattle	112,241

Administration Building

Hoard Engr. Co., Seattle	$72,690
Emil Pohl, Seattle	75,765
MacDonald Bldg. Co., Tacoma	76,423
William Wills, Seattle	76,574
A. F. Mowat, Seattle	78,535
West Coast Const. Co., Seattle	78,817
Dolph Jones, Inc., Tacoma	78,900
Joe Potucek, Tacoma	79,769
J. J. Lawrence, Spokane	83,248
Harry Boyer Sons Co., Olympia	83,950
Lipscomb-McCoy, Seattle	84,125
Nelse Mortensen, Seattle	84,495

APPROVED

YERINGTON, Nevada—Public Wks. Administration approved the request for a loan of $400,000 to assist in financing construction of a two-story fireproof addition to the Courthouse at Yerington, Lyon Co., Nevada.

CONTRACT AWARDED.

SAN FRANCISCO—Chas. Terranova 1212 Willard St., at $4,395 awarded the contract by War Department for plastering basement and installing quarry tile on roof of porte cochere, etc., of buildings Nos. 19 and 61, at Letter-

man General Hospital, Presidio. Complete bids published January 26.

Scaffolding Contract Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owntr—United States Government.
Architect — Arhur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
Hanging Scaffolding—Patent Scaffolding Co., 270 13th St., San Francisco.
Other awarads previously reported.

SUB-CONTRACTS AWARDED.
HAMILTON FIELD, Marin Co., Cal. —San Francisco Const. Co., 3159 Fillmore St., San Francisco, awarded the following sub-contracts for the construction of the bachelor officers' quarters at Hamilton Field. Cost, $83,800:
Excavation—Devencenzi Bros. and Co., 150 Collins St., San Francisco.
Reinforcing Steel—Truscon Steel Co, Atlas Bldg., San Francisco.
Sash and Screens—Truscon Steel Co., Atlas Bldg., San Francisco.
Electric—Chas. Langlais, 472 Tehama St., San Francisco.

CONTRACT AWARDED.
FORT LEWIS, Wash.—J. W. Bailey Const. Co., 1621 Boren St., Seattle, at $74,670 for the chapel, and $42,440 for the fire station and guard house was awarded contract by War Department for the construction of one chapel and one fire and guard house at Fort Lewis. Complete bids published Jan. 30. (3498) 1st report Jan. 15; 2nd, Jan. 30, 1934. 7

8— CLUB BUILDINGS

PLANS BEING FIGURED.
SAN GABRIEL, Los Angeles Co., Calif.—F. T. Olson, care of the Olson Lumber Co., 1001 S. Fremont St., Alhambra, is taking general contract bids for a clubhouse to be built on Las Tunas Ave., San Gabriel, for the San Gabriel Country Club. The general contract will not include electric wiring, plumbing, heating and kitchen equipment. Plans were prepared by Architect Scott Quintin, 418 N. California St., San Gabriel. The structure will be 260 feet long, including a portion of the old building which will be used. It will contain ladies' and men's showers and locker rooms, lounge, game rooms, dining rooms, offices, etc. Construction will be frame and stucco, shake roofing, hardwood and cement floor, beam ceilings, knotty pine trim, circulating hot water heating system, etc.

To Ask Bids Shortly.
REMODEL HALL Cost, $——
TURLOCK, Stanislaus Co., Cal. Center Street.
Remodel two-story building for Legion hall (work involves hardwood flooring, new roof, carpentry work, interior decorating, etc.
Owner — American Legion, Rex Ish Post No. 88, Turlock (W. L. Boies in charge).
Architect—G. N. Hilburn, 1213 1 St., Modesto.
L. W. Terrell, Turlock, will be in charge of asking bids.

Planned.
FIRE HALL Cost, $——
REDDING, Shasta Co., Cal.
Construct new fire hall.
Owner—Redding Fire Department (Ed. Steinbauer, Chief), Redding.
Architect—Not Given.

9— HOSPITALS

CONTRACT AWARDED
SAN FRANCISCO—Guilfoy Cornice Works, 1234 Howard St., at $307 awarded contract by Post Office Department, San Francisco, for downspout and copper gutter for building No. 7, Marine Hospital, 14th Ave. and Lake St.

Plans Complete.
HOSPITAL Cost, $400,000
SEDRO-WOOLLEY, Washington.
Three - story concrete fireproof hospital (338x156-ft.) concrete walls, stucco facing, etc.; accommodations for 276 patients and 60 nurses (two diet kitchens, receiving ward, surgical room, hydro-therapy and electro-therapy rooms.
Owner—State of Washington.
Architect—James M. Taylor, Jr., and James Blackwell, Medical Arts Bldg., Seattle.
Complete plans will be forwarded to Director Olsen, Olympia, for further action.

CONTRACT AWARDED ....
SAN FRANCISCO. Hipolito Co., 4246 Holden St., Oakland, at $124.40 awarded contract by Navy Department for weatherproofing doors and transoms of buildings Nos. 1, 2, 5, 6, 7, 8, 12, 13, 14, 15 and 16. Complete bids published January 17.

SEEK FEDERAL AID.
LOS AMIGOS, Los Angeles Co., Cal. —Los Angeles County has applied to the Public Works Administration for a grant of $33,994.50 to be used in financing the construction of three infirmary buildings and the extension of utilities at Rancho Los Amigos. The proposed buildings will be one-story, reinforced concrete structures, each 57x151 feet in area. Total estimated cost $113,315. Plans are being prepared by William Davidson, Los Angeles county mechanical engineer.

10— HOTELS

To Be Done By Day's Work.
ALTER HOTEL Cost, $5000
SAN FRANCISCO. No. 407 Broadway.
Alterations to hotel.
Owner — Daniel Govanini and Olive Sargentini, 2020 Alameda Ave., Alameda.
Architect—Not Given.

11—ICE AND COLD STORAGE PLANTS

Planned.
ICE PLANT Cost, $8000
FRESNO, Fresno Co., Calif.
Construct new ice plant.
Owner—C. L. Tower and David Arnbrister, 2127 Hedges Ave., Fresno
Architect—Not Selected.

Contract Awarded.
COOLING PLANT Cost, $24,000
SUNNYVALE, Santa Clara Co., Cal.
One-story frame and stucco pre-cooling plant 34x50 ft.) tar and gravel roof, wood floors, etc.
Owner — Central California Berry-growers Assn. (Geo. Webb, Pres.) 510 Battery St., San Francisco.
Plans by Eng. Dept. of Owner.
Contractor—T. H. Rosewald, 422 Third St., Watsonville.
As previously reported, refrigeration awarded to Cyclops Iron Works, 837 Folsom St., San Francisco.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

BOND ELECTION
SANTA PAULA, Ventura Co., Cal. —Santa Paula city council has called an election for February 27 at which time it is proposed to vote bonds in the sum of $32,000 for financing a new city hall and bonds in the sum of $11,000 for a police and fire station building. R. S. Raymond, Box 545, Santa Paula, architect for both structures.

Preliminary Plans Completed.
MEMORIAL Cost, $60,000
MONTEREY, Monterey Co., Cal.
Construct memorial building (fireproof construction).
Owner—City of Monterey and Agatha Few Estate.
Architect—W. O. Raiguel, Del Monte Hotel and C. J. Ryland, Monterey.
Upon approval of preliminary plans working drawings will be started.

BOND ELECTION
PLACERVILLE, Eldorado Co., Cal. —City of Placerville is holding an election February 14 to vote bonds in the amount of $14,000 to assist in financing a two-story reinforced concrete auditorium in Placerville. Total estimated cost of the project is $25,000. W. E. Coffman, Forum Bldg., Sacramento, architect.

BIDS WANTED
SAN FRANCISCO—Until February 14, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for general construction of special wood finish display cases in the San Francisco Public Library. Estimated cost $5500. Plans and specifications available from above office upon deposit of $10.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal. No. 570 Chaucer Street.
Two-story and basement frame and stucco residence.
Owner—Helen B. Cooke.
Architect—Leslie Nichols, Palo Alto.
Contractor — E. J. Schmalling, 863 Melville Ave., Palo Alto.

To Be Done By Day's Work.
RESIDENCES Cost, $5000 each
OAKLAND, Alameda Co., Cal. No. 247 and 253 Florence Avenue.
Two one-story and basement frame and stucco residences (6 rooms each).
Owner and Builder—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3715 Elston Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3201 Wisconsin Street.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—Fred T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEL, Alameda Co., Cal. Woodmont Rd. near Grizzly Peak Blvd.
One - story and basement frame residence (6 rooms) Colonial style, shake roof, gas hot air heating system, wood and steel sash, etc.
Owner—Prof. W. H. Durham, 1525 La Loma Ave., Berkeley.

Architect—Roland I. Stringham, 1525 Market St., San Francisco.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Foundation and cement flat work—A. A. Johnson, 1844 Channing Way, Berkeley.
Reinforcing Steel—McGrath Steel Co., 254 Hobart St., Oakland.
Drain Tile and Sewer—P. Jupp, 1630 McGee St., Berkeley.
Brickwork—W. Wisheropp, 3749 Quigley, Oakland.
Lumber—Tilden Lumber Co., University Ave., Berkeley.
Cabinet Work—Concealo Fixture Co., 2009 Livingston, Oakland.
Steel Sash—Soule Steel Co., San Francisco.
Glazing—W. P. Fuller and Co., 2037 Shattuck Ave., Berkeley.
Floors—Inlaid Floor Co., 4067 Watts, Emeryville.
Rough Hardware—Berkeley Hardware Co., 2154 University Ave., Berkeley.
Wiring—Jas. Anderson, 2421 23rd St., Oakland.
Sheet Metal & Heating—M. C. Henry, 1183 53rd St., Oakland.
Plastering—Scott & Speer, 1431 Northside, Berkeley.
Tile Work—Rigney Tile Co., 3012 Harrison St., Oakland.
Plumbing—Suendermann Plbg. Co., 921 University Ave., Berkeley.
Painting—Blomgren Bros., 1927 Russell St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $12,000
SAN FRANCISCO. S Marina Blvd. 273 E Fillmore Street
Two-story and basement frame and stucco residence (8 rooms and 2 baths).
Owner—James A. Ward.
Plans by F. F. Nelson.
Contractor — F. F. Nelson & Co., 2 Edgehill Way, Sacramento.
Grading—D. McCabe.
Concrete—California Concrete Co., 1632 Steiner St.
Drain Tile—California Pottery Co., 400 11th St.
Brick—F. Hoffman, 298 Arlington St.
Lumber and Mill Work—Ocean Ave. Mill & Lumber Co., 41 Ocean Ave.
Sheet Metal — Standard Heating & Sheet Metal Work, 934 Irving St.
Electric—P. & J. Electric Co., 4 Leona Terrace.
Plastering—R. H. Stephenson, 1335 45th Avenue.
Tile—Progressive Tile Co., 1216 Powell St.
Glass—W. P. Fuller & Co., 301 Mission St.
Wrought Iron—Ace Iron Works, 159 South Park.

Low Bidder.
RESIDENCE Cost, $10,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and brick veneer residence (8 rooms, 3 baths) shingle roof, gas heating system, hardwood floors, etc.
Owner—C. Cole.
Architect—Fred H. Reimers, 233 Post St. San Francisco.
Low Bidder—G. W. Williams Co., 315 Primrose Road, Burlingame.

Plans Being Revised.
RESIDENCE Cost, $——
SAN FRANCISCO. Marina Blvd. 100 E Webster Street.
Two-story and basement frame, stucco and stone residence (7 rooms and 3 baths) slate and flat roof, air conditioning system, tiled baths, hardwood floors and trim, etc.
Owner — Dr. Bernard A. Cody, 350 Bush St., San Francisco.
Architect—Harvey E. Harris, 38 San Fernando Way, San Francisco.
New bids will be asked in two weeks

Plans Being Prepared.
RESIDENCE Cost, $9000
SAN FRANCISCO. Magellan Ave.
Two-story brick and frame residence (7 rooms and 3 bathes) detached garage; composition shingle roof, gas hot air heating system, tiled baths, hardwood floors, etc.
Owner—Withheld.
Architect—Harvey E. Harris, 38 San Fernando Way, San Francisco.

Contract Awarded.
RESIDENCE Cost,$7000
PALO ALTO, Santa Clara Co., Calif.
Two-story frame and stucco residence
Owner—Harry Creech, 215 Lowell St., Palo Alto.
Architect—Leslie Nichols, Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

Contract Awarded.
RESIDENCES Cost, $——
ASTI, Sonoma Co., Calif.
Group of six frame and stucco residences.
Owner—Italian - Swiss Colony (Enrico Prati, vice-president and superintendent) San Francisco.
Architect—Not Selected.
Contractor—Sbarboro & Jorgensen, 207 Walnut St., San Francisco.
Improvements will be made to the winery in the near future. The present structure is wood frame and will be made into a concrete building.

Preparing Plans
RESIDENCES Cost $10,000 ea.
PIEDMONT, Alameda Co., Calif., Piedmont Estates.
Two two-story frame and stucco residences (7 rooms each).
Owner—withheld.
Architect—Miller & Warnecke, Financial Center Building, Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 831 Varrar Street.
One-story and basement frame and stucco residence.
Owner—Geneva Peterson.
Architect—Not Given.
Contractor — Dwight W. Doss, 3750 White St., Fresno.

Construction To Start Shortly.
RESIDENCE Cost, $2500
BERKELEY, Alameda Co., Cal. Creston Road.
One-story California Rancho style residence (3 rooms); floor furnace, shakes roof, etc.
Owner—William Laughlin, Tamalpias Ave., Berkeley.
Architect—Not Given.
Contractor—Philip Coats, 791 Hillcroft Circle, Berkeley.

Sub-Contracts Awarded.
RESIDENCES Cost, $6000
SAN LEANDRO, Alameda Co., Cal. Glendome Court.
Four one and one-half-story and two-story frame and stucco residences (7 and 8 rooms each).
Owner—Mrs. E. M. Halcher, 4763 El Centro Ave., Oakland.
Architect—Not Given.
Contractor—Ernest W. Urch, 1924 50th Ave., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Concrete — Riechel & Bredhoff, 1555 Central Ave., Alameda.
Sub-bids are wanted on all other portions of the work.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. E Twentieth Ave. 115 N Ocean Avenue.
One-story and basement frame and stucco residence.
Owner and Builder—Fernando Nelson & Son, 2919 19th Ave., S. F.
Plans by Owner.

Heating and Sheet Metal—Atlas Heating & Ventilating Co., 557 4th St.
Plumbing—W. Carmichael, 1281 31st Avenue.
Electric—Tattenham Electric Co., 35 Marston Ave.
Roofing—Gordon Taylor, 61 Lakewood Avenue.
Concrete — Bay Concrete Co., 365 Ocean Avenue.
Lumber and Millwork—George R. Nelson.
Glass—W. P. Fuller & Co., 301 Mission Street.
Painting & Decorating—W. Palmer, 2 Guerrero St.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. No. 818 Bird Avenue.
Two-story and basement frame and stucco residence (9 rooms).
Owner—Mrs. Josephine Cribari, 970 Delmas Ave., San Jose.
Architect—Not Given.
Contractor—A. R. Calvelli, 855 Nevada Ave., San Jose.

LOW BIDDER.
BEVERLY HILLS, Los Angeles Co., Calif.—J. F. Wadkins, 200-D S. Arnaz Dr., Beverly Hills, submitted low bid for a two-story dwelling to be built at 1014 Laurel Way, Beverly Hills, for Wesley Ruggles. The plans were prepared by Calvin Butler, 1717 W. 41st Dr., Los Angeles. The building will contain fifteen rooms and will be of brick and frame and plaster construction; tile and composition roofing, hardwood floors, hardwood and pine trim, automatic storage water heater, gas unit heating system, wrought iron, electric refrigeration, tile baths and drainboards, garage. Cost $45,000.

Preparing Preliminary Plans.
RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Chelton Drive, Piedmont Pines Tract.
Two-story frame and stucco residence (7 rooms and 3 baths), shake roof, gas hot air heating system, oak floors, tiled baths, etc.
Owner—L'Hommedieu, Inc, Henshaw Bldg., Oakland.
Architect — F. W. Confer, 2812 Russell St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 3962 Oakmore Road.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—W. H. Warren, 3502 Foothill Blvd., Oakland.
Architect—Not Given.
Hardwood Floors—Acme Hardwood Floor Co., 1051 Mission St., San Francisco.
Roofing Tile—M & L Roofing Co., 9224 Foothill Blvd., Oakland.
Flat Cement Work—Otto Hennig, 3527 Suter St., Oakland.
Painting—Joel Johnson, 3937 High St., Oakland.

PREPARING PRELIMINARY PLANS
WEST LOS ANGELES, Calif.—Architect J. E. Dolena, 9397 Wilshire Blvd., Beverly Hills, is preparing plans for a large Pennsylvania farm house type residence on Beverly Blvd., West Los Angeles, for Myron Seiznick. It will have field stone and siding exterior, hardwood floors, hardwood and pine trim, automatic storage water heater, steel sash, wrought iron, gas unit heating system, electric refrigeration, tile baths and drainboards, garage, etc. Cost, $100,000.

February 2, 1934

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4174 Lyman Road.

One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Plans by Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, $3000
OAKLAND, Alameda Co., Cal. No. 6100 Thornhill Drive.
One-story frame and stucco residence (5 rooms).
Owner—George R. Thorning.
Architect—Not Given.
Contractor — J. F. Altermatt, 6233 Grown Ave., Oakland.
Plumbing—Suendermann Plumbing Co. 921 University Ave., Berkeley.
Lumber—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Concrete—Sam Higuera, 1149 Dartmouth St., Berkeley.
Electric—F. W. Parkhurst, 6432 Pinehaven Road, Oakland.
Sheet Metal Work—Fred Branholt, Oakland.

Bids In—Held Under Advisement.
RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co., Cal.
One-story and basement frame and stucco residence.
Owner—Mr. Cook.
Architect—Leslie Nichols, Palo Alto.
Announcement will be made within a few days.

Contract Awarded.
RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. 15th Street near San Carlos.
One - story and basement frame and stucco residence (6 rooms).
Owner—W. H. Moreland, 424 E San Carlos St., San Jose.
Architect—Not Given.
Contractor—M. A. Ursadt, Rt. 1, Box 784, San Jose.

Contract Awarded.
RESIDENCE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. Lincoln Half Acres.
One - story and basement frame and stucco residence.
Owner—Frank Filice.
Plans by E. B. Lawrence.
Contractor—V. J. Sunzeri, 176 N 31st St., San Jose.

Sub-Contracts Awarded.
ALTER RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. No. 6409 Hillegass Avenue.
Alterations and additions to residence (add room, etc.)
Owner—S. E. Evans, Premises.
Architect—Not Given.
Contractor—Olaf Peterson, 2636 Rhoda Ave., Oakland.
Electric—Kerr & Clifford, 3623 E-14th St., Oakland.
Concrete—Ensor Buel, 2927 Lorina St., Berkeley.
Plumbing — K. E. Nelson, 2534 14th Ave., Oakland.
Millwork and Lumber—Scammel Lumber Co., Foot of 9th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $8000
SAN FRANCISCO. E Funston Ave. 275 N Judah St.
Two - story and basement frame and stucco residence.
Owner—C. Battaro, 542 Vienna St.
Architect—Not Given.
Contractor—J. Oliva, 542 Vienna St.

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. S Marina Blvd. 147 W Beach St.
Two - story and basement frame and stucco residence.
Owner—Lillie Risdon.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola Drive.

Contract Awarded.
RESIDENCE Cost, $12,000
SAN FRANCISCO. S Marina Blvd. 273 E Fillmore St.
Two-story and basement frame and stucco residence (8 rooms and 2 baths).
Owner—James A. Ward.
Plans by F. F. Nelson.
Contractor — F. F. Nelson & Co., 2 Edgehill Way, San Francisco.

To Be Dne By Day's Work.
ADDITION Cost, $3,000
SAN FRANCISCO. 78 Cervantes Blvd.
Alterations and additions to residence.
Owner—Ralph and Alice Bender.
Architect—H. C. Baumann, 251 Kearny Street.

To Ask Bids Within A Few Days.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Carolands.
Two - story and basement frame residence (10 rooms, 4 baths) rustic exterior, shake roof, gas heating system, hardwood floors, linoleum in baths, etc.; Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.

Planned.
RESIDENCES Cost, $20,000
WILLOWS, Glenn Co., Cal. Butte St.
Group of twelve residences.
Owner—H. E. Young, % Willows Auto Wreckers, Willows.
Architect—Not Given.

15— SCHOOLS

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans for rehabilitation of the 49th Street School. Plans were prepared by Engineer Harold A. Nelson, 312 Associated Realty Bldg.; $82-000 appropriated.

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Structural Engineer Paul E. Jeffers, Architects' Bldg. and the architectural division of the board, J. D. Scouller, manager, A. S. Nibecker, Jr., architect, to proceed with working drawings for reconstruction work at the following schools: 95th St. school (Annex); cost $45,000;
Huntington Park high school (auditorium); cost $46,500;
Thomas Jefferson high school (boys' gymnasium) cost, $28,000.

ARCHITECTS APPOINTED
LOS ANGELES, Cal.—Los Angeles board of education has authorized architects to prepare plans and specifications for new building replacement at various school sites as follows:
Florence Avenue School: Theo R. Jacobs, architect, 364 North Ave. 53; Lomita School: Eugene Weston, Jr., architect, 807 Architects' Bldg.; Miles Ave. School: R. C. Flewelling, architect, 9441 Wilshire Boulevard, Beverly Hills; Western Ave. School: Myron Hunt and H. C. Chambers, architects, 408 S Spring St.; Manual Arts High School: John and Donald B. Parkinson, architects, 808 Title Insurance Bldg.; Venice High School, J. C. Austin and Frederic M. Ashley, architects Chamber of Commerce Bldg.

PLANNED
LOS ANGELES, Cal.—Los Angeles board of education has authorized Structural Engineers Holmes & Narver, Inc., 639 S Spring St., to prepare plans and specifications, including preliminary drawings, analyses, structural design computations and estimates of cost for reconstructing, rehabilitating and reinforcing Budlong school, 5940 S Budlong Ave. Cost $89,040.00.

Contract Awarded.
ADDITION Cont. Price, $10,327
SALINAS, Monterey Co., Calif.
Two-room addition to Lincoln School building (frame and stucco construction) & alterations to Roosevelt School.
Owner—Lincoln School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Sam Trondhjem, 45 Geil St., Salinas.
Following bids received:

Sam Trondhjem, Salinas	$ 9,979
add for Roosevelt School	300
E. F. Reese, Salinas	9,999
C. M. Norgrove, Berkeley	10,000
Albert Station, Pacific Grove	10,275
J. F. Kraus, Salinas	10,354
Harold Geyer, Monterey	11,477
M. J. Murphy, Carmel	11,725
F. C. Carlsen, Salinas	11,910

PLANS TO BE PREPARED
LOS ANGELES, Cal.—Los Angeles board of education has authorized Structural Engineers J. H. Davies & C. D. Wailes, Jr., 430 First National Bank Bldg., Long Beach, to prepare plans and specifications, including preliminary drawings, analyses, structural design computations and estimates of cost for reconstructing, rehabilitating and reinforcing the Dominguez School, 21250 Santa Fe Ave. Cost, $34,720.00.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans for rehbalitation work at the David Starr Jordan high school. Plans were prepared by Engineer Wm. Mellema, 1661½ Beverly Blvd.; $275,-676 appropriated.

PLANNED
LOS ANGELES, Cal.—Los Angeles board of education has authorized the architectural division of the board to prepare plans and specifications including survey data, blue prints, etc., for the reconstruction, rehabilitation and strengthening the auditorium and shop building at the Huntington Park high school.

PREPARING PLANS.
LOS ANGELES, Cal.—Los Angeles board of education has authorized structural engineer L. A. Parker, 804 Architects' Bldg., to prepare plans and specifications, including preliminary drawings, analyses, structural design computations and estimates of cost for reconstructing, hehabilitating and reinforcing the Eastman Street school, 1200 S Eastman St. Cost, $86,464.

BOND ELECTION
ARDEN, Sacramento Co., Cal.—Arden School District will hold an election on March 12, to vote bonds in the amount of $16,500 to finance construction of alterations and additions to the present school building in Arden.

ASK FEDERAL AID
LE GRAND, Merced Co., Cal.—Le Grand Union High School District has applied to the Public Works Administration for a grant of $7500 to be used in financing the construction of a combined gymnasium and auditorium building at Le Grand, Merced County. The proposed building will be a wood frame and stucco structure, costing approximately $25,222. W. H. Weeks, 525 Market St., San Francisco, Architect.

PLANNED.
Bids Rejected.
SCHOOL Cost, $10,000
GRASS VALLEY, Nevada Co., Cal.
One-story Class C reinforced concrete shop building for school (3 rooms)
Owner—Grass Valley High School District.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Lowest bid was submitted by Geo. Swanstrom, Oakland, at $6754.
When new bids will be asked is not determined at this time. Complete bids published January 12.

PLANS TO BE PREPARED.
LOS ANGELES, Cal.—The Los Angeles board of education has authorized its architectural division, A. S. Nibecker, architect, under the supervision of the business manager, to prepare plans and specifications for the reconstruction, rehabilitation and strengthening of annex at 95th Street school site. Cost, $34,720. Architectural division also authorized to prepare plans for sanitary buildings at various school sites at an estimated cost of $1400 and for bungalows for administration purposes to be built at various sites to cost $1800.

PLANS COMPLETED
GARDEN GROVE, Orange Co., Cal. —Architect Frederick H. Ely, 109 Orange Ave., Santa Ana, has completed plans for rebuilding the main building at the Garden Grove High School. The plans have been approved by the State Architect and construction is scheduled to start within a few weeks. The building will be rebuilt of frame and stucco. Estimated cost $15,000. Demolition of the condemned portion of the structure is under way at the present time with CWA forces handling this part of the work.

ASK FEDERAL AID
LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has applied to the Public Works Administration for the following loans and grants to be used for financing reconstruction of the following Long Beach Elementary School Buildings:
Thomas A. Edison, loan, $87,000; grant, $28,177; Earl E. Bobbe, Architect.
Longfellow, loan, $83,000; grant, $27,600; Harold Longfellow, architect.
Jane Adams, loan, $87,000; grant, $28,134; E. J. Baume, architect.

PLANNED
ONTARIO, San Bernardino Co., Cal. —Ontario School Board has gone on record as favoring the construction of a new school building on the Central School site and repairs to the South Euclid School and the domestic science building at the Junior High School. Application will be made to the Civil Works Administration for funds with which to finance the Central School. Cost, $60,000.

ASK FEDERAL AID
PHOENIX, Ariz.—Roosevelt School District No. 66, Maricopa County, Arizona, has applied to the Public Works Administration for a grant of $4429 to be used in financing the remodeling of Roosevelt School in Phoenix. Total estimated cost of the work is $16,000.

ASK FEDERAL AID
SAN MATEO, Cal. — San Mateo Union High School District applied to the Public Works Administration Feb. 1 for a grant of $30,000 to be used in financing the reconstruction of the high school building at San Mateo.

ASK FEDERAL AID
SALINAS, Monterey Co., Cal.—Salinas City School District applied to the Public Works Administration for a grant of $3000 to be used in financing an addition to the Lincoln School and raising corridor and heating pipes in the Roosevelt School at Salinas. Total estimated cost of the work is $10,000. Chas. E. Butner, Glickbarg Bldg., Salinas, architect.
Bide are now being taken and will be opened February 6, 7:40 P. M.

ASK FEDERAL AID
MODESTO, Stanislaus Co., Cal.—Modesto Junior College District has applied to the Public Works Administration for a grant of $25,200 to be used in financing the construction of a library building on the school campus in Modesto. Total estimated cost of the structure is $96,511. J. J. Donovan, 950 Parker Street, Berkeley, Architect.

Plans Completed.
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Bids will be asked at a later date.

CONTRACT AWARDED
SAN FRANCISCO—H. L. Petersen, 731 Treat Ave., at $875 awarded contract by Department of Public Works for the demolition of auditorium wing at the Daniel Webster School, 20th and Connecticut Streets.
Complete bids published February 1.

Prospective Bidders
GYMNASIUM Cost, $65,000
SANTA ROSA, Sonoma Co., Cal .
One-story reinforced conc. and brick veneer gymnasium (171x235) reinf. concrete walls (seperate gymn. for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Following have procured plans. Bids open Feb. 19th, 5 p. m.
Louis Halvorsen, Santa Rosa.
Young & Horstmeyer, 461 Market St., San Francisco.
W. Singleton, 501 Fourth St., Petaluma.
C. L. Wold, 4416 Fulton St., San Francisco.
H. L. Peterson, 731 Treat Ave., San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
Deluca & Son, 1745 Filbert St., San Francisco.
William Spivock, Hobart Bldg., San Francisco.
N. H. Sjoberg, Call Bldg., San Francisco.

Preparing Plans
SCHOOL Cost $12,000
GARVERVILLE, Humbolt Co., Calif.
One-story frame school building (3 classrooms) stucco exterior finish, wood frame, wood lath 7 plaster interior partitions, wood and concrete floors, shingle roof, etc.
Owner—Garberville & Phillipsville Elementary School Districts.
Architect—Frank T. Georgeson, Sixth and G Sts., Eureka.

SAN FRANCISCO. — A five million dollar building program has been approved by the Mayor and Chief Administrator and an application will be filed with the Public Works Administration for a loan to assist in financing construction. The following program includes the school bond issue voted in December, the unexpended health bond issue and reconstruction program in accordance with the state building code:

Psycopathic - Cancer Bldg., $600,000.
Gatehouse, San Francisco Hospital, tubercular wing, $10,500.
Gatehouse, S. F. Hospital, $4,891.
Eight cottages and service building, tubercular preventorium, $86,000.
Tubercular preventorium, road construction, $7,000.
Laguna Honda Home, steam generating plant, $116,230.
Alemany - Excelsior Hospital, steam generating plant, $7,200.
Tubercular Preventorium sewage disposal, $9,177.
San Francisco Hospital heating plant, $107,710.
S. F. Hospital, addition to service building, $85,622.
S. F. Hospital, nine elevators, $62,055.
Total health bond issue) $1,096,385.

School Bond Issue

George Washington High School	$ 760,350.50
Visitacion Valley Elemen.	173,276.40
Glen Park	239,305.00
Marina Junior High	820,632.33
Sunshine School	265,298.90
Lawton	173,276.40
Starr King	61,630.80
Francis Scott Key	173,276.40
Buena Vista	221,276.40
Agassiz	302,521.00
Patrick Henry	61,630.80
Irving M. Scott	66,221.90
Total	$3,318,696.83

School Reconstruction

Commodore Stockton	$ 25,213.50
John Swett	36,700.00
Bay View	13,510.00
Columbus	26,409.00
Golden Gate	35,100.00
Denman	46,179.00
Jean Parker	51,660.00
Girls' High	113,770.00
Washington Irving	10,400.00
Hancock	22,700.00
Lowell High	74,665.00
Spring Valley	53,208.00
Adams	39,765.00
Redding	54,580.00
Daniel Webster	29,665.00
Total	$633,524.79

Previous reports have been made on the above jobs.

Preliminary Plans Completed.
SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—George P. Simonds, Hayward.
Bends were recenty voted to finance construction.

Planned.
ADDITION Cost, $120,000
HOQUIAM, Washington.
Two - story reinforced concrete addition to school.
Owner—Hoquiam School District.
Architect—Earl Morrison, Lloyd Bldg. Seattle.
An election is being held on Feb. 16 to vote bonds in the amount of $55,000 to assist in financing. Additional funds will be obtained from the government.

Preparing Working Drawings
HIGH SCHOOL Cost $60,000
COVELO, Mendocino Co., Calif.
Three one-story high school buildings (6 class-room academic buildings, frame construction, reinforced concrete gymnasium and frame shop) built-up composition roofing, steam heating system to connect grammar school.
Owner — Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).

Architect — Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Bonds in the amount of $28,000 were voted on February 2nd to assist in financing the construction. Public Works Administration approved the loan for $32,000.

PLANNED.
BRISBANE, San Mateo Co., Calif.—Brisbane Elementary School District is contemplating the erection of a new school building in Brisbane. A bond election in the amount of $25,000 to finance construction is being considered and will be definitely decided on February 8. Joseph Franzen, Bayshore, president of the board.

Bond Election.
SHOP, ETC. Cost, $75,000
TURLOCK, Stanislaus Co., Cal.
Construct group of shops, etc., at the Turlock Union High School.
Owner—Turlock Union High School District.
Architect—G. N. Hilburn, 1213 I St., Modesto.
An election is being held on March 13 in the amount of $75,000 to finance construction.

Bids Opened.
ADDITION Cost, $28,000
AVENAL, Kern Co., Cal.
Brick addition to elementary school building (3 classrooms, basement with cafeteria and lunch room, etc.)
Owner—Reef-Sunset School District. (C. B. Kimberlin, Clerk).
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Low Bidder — Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
Following bids received:
Trewhitt-Shields Co., Fresno....$27,740
T. C. Irwin, Fresno..... 29,160
W. T. Harris, Fresno..... 29,258
R. P. Moore, Fresno..... 30,447
A. C. Neal, Lemoore..... 30,628
W. J. Ochs, Fresno..... 31,085
Bids held under advisement.

Preparing Sketches.
SCHOOL Cost, $7,500
JUNCTION CITY, Trinity Co., Calif.
One - story wood frame elementary school (2 classrooms).
Owner—Junction City Elementary School District.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Arrangements are under way to finance construction.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert St., bet. Jones and Taylor Streets.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Plans will be completed in two weeks

Plans Being Revised.
IMP. SCHOOL Cost, $10,000
HAYWARD, Alameda Co., Cal.
Revamp girls' dressing room, etc., in Hayward high school; work involves adding 50 shower rooms, 90 dressing rooms, 600 metal lockers, plumbing, metal partitions, etc.
Owner—Hayward Union High School District.
Architect — Henry Smith, Humboldt Bank Bldg., San Francisco.
Bids will be asked in about ten days.

CONTRACTS AWARDED
OAKLAND, Alameda Co., Cal.—Oakland Board of Education awarded following contracts for furnishing assembly chairs, bentwood chairs and tablet chairs under Schedule No. 20:
Assembly Chairs—John Breuner Co., 281 Geary St., San Francisco, at $2375.
Bentwood Chairs—Anderson, Ltd., at $960.
Tablet Chairs—Anderson, Ltd., at $1785
Complete bids published Jan. 25.

BIDS WANTED
SAN FRANCISCO—Until February 14, 1:45 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Wks., Room 251, City Hall, for sanding floor areas of hallways, principal's office and lunch room at the Fremont School. Estimated cost under $1000.

PLANNED
WILLIAMS, Colusa Co., Cal.—The Williams Grammar School District is considering to call an election in the near furtur for $6000 to assist in financing the construction of an auditorium to replace the one destroyed by fire. $10,475 is now available. Starks & Flanders, Forum Bldg., Sacramento, Architect.

PLANS APPROVED.
WHITTIER, Los Angeles Co., Calif.—Architect R. L. Warren, Emporium Bldg., Whittier, reports that work will start this week on the erection of a new classroom and science building on the high school site in Whittier. State Architect has approved plans for the building. It will be a two-sotry class A structure with reinforced concrete walls and floor and roof slabs, composition roofing, stucco exterior, steam heat, etc. Seggregated contracts were awarded last October to the following firms:
Concrete work to Reed & Maiser, 1241 W. 97th St., Los Angeles;
Steel joists to Truscon Steel Co., Los Angeles;
Miscellaneous and ornamental iron to Hurley-Wilson Co., Whittier;
Roofing to Metropolitan Roof Service Co., 1552 W. 59th Place, Los Angeles;
Sheet Metal and skylights to James Hamilton, Whittier;
Carpentry to J. H. Linkletter, 107 W. Bailey St., Whittier;
Furriing, lathing and plastering to A. Karelius, 2178 Castias Ave., Pasadena;
Metal toilet partitions to Continental Specialties Co.;
Glass and glazing to Farmers Hardware Co., Whittier;
Tile work to H. L. Keck, Norwalk;
Painting to Tondro & Bowers, Covina;
Plumbing to Allan Black & Son, 5063 Hollywood Blvd., Los Angeles;
Heating to Harry Barkelew Co., 652 San Julian St., Los Angeles;
Electrical work to R. R. Jones Electric Co., 1124 S. Fair Oaks Ave., South Pasadena.

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Calif.—Los Angeles Board of Education has approved preliminary plans for reconstructing, rehabilitating and strengthening the Seventy-ninth Street school, 79th St. and McKinley Ave., prepared by Structural Engineer Ralph A. DeLine, 1144 S. Grand Ave. Cost $98,475.

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Calif.—The Los Angeles Board of Education has approved preliminary plans for work of reconstruction, rehabilitating and strengthening the Figueroa Street school, 11,115 S. Figueroa St., prepared by Structural Engineer David H. Merrill, 562 I. W. Hellman Bldg. Cost $93,713.

PLANS APPROVED.
NORWALK, Los Angeles Co., Calif.—Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, report that working drawings for reconstruction of the administration building at the Excelsior Union high school, near Norwalk, for the Excelsior Union High School District, have been approved by the State Division of Architecture. The building is a two-story structure, 66x225 feet in area, containing 25 rooms.

Plans Completed.
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO, Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Final plans have been forwarded to Sacramento for approval. Bids will be asked shortly.

Planned.
COMMUNITY HALL Cost $40,000
DUNSMUIR, Siskiyou Co., Calif., Florence and Sacramento Aves.
Community hall (to house gymnasium, to seat 900, kindergarten, domestic science room, cafeteria, banquet room, shower and dressing room, projection room, etc.)
Owner—Dunsmuir Elementary School District.
Archtitect—Not selected.
An application will be filed with the Public Works Administration for a grant of $12,000 and a bond election in the amount of $28,000 will be held to assist in the financing. Further details will be an announced shortly.

COMMISSIONED TO PREPARE PLANS.
PLACENTIA, Orange Co., Calif.—Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, have been commissioned by the Placentia School District to prepare plans for reconstruction of all buildings in the district as funds for the work are now available.

Contracts Awarded.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St. and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—H. D. Dewell, 55 New Montgomery St., San Francisco.
Contractor—E. T. Leiter & Son, 811 37th St., Oakland, $32,387.
Heating—Scott Co., 113 10th St., Oakland, $2,000.

16—BANKS, STORES AND OFFICES

Wrecking Contract Awarded.
STORE Cost, $50,000
EUREKA, Humboldt Co., Cal. Fourth and F Streets.
One - story, mezzanine floor and basement reinf. concrete store building ,24,500 sq. ft. floor space).
Owner—Domingo A. Zanone.
Plans by Engineering Dept. of Lessee, Chicago.
Lessee—Montgomery Ward & Co. Chicago.
Contractor—K. E. Parker Co., 135 So. Park St., San Francisco.
Wrecking—R. L. Hansen, Eureka.
Other awards will be made shortly.

AWARD
LOS ANGELES, Cal.—Ed. Westberg, 611 N. Alvarado St., awarded contract for refinishing the exterior of the J. W. Robinson Company Department Store building on Seventh St.,

between Grand Ave. and Hope St., with a four-inch coat of pneumatically placed concrete. Work will be started this week and will be completed in about four months. In addition to the concrete coating, the work includes the installation of reinforcing steel anchors and two-inch steel mesh, the application of a terra cotta stucco finish coat. The three street fronts of the building, which is a seven-story structure, are to be refinished at an estimated cost of $85,000. Removal of the existing brick facing and terra cotta is under way at the present time, with E. A. Irish handling this part of the work under the supervision of Richards - Neustadt Construction Co., general contractors. Edward L. Mayberry, 3910 E. Third St., Long Beach, architect.

Contract Awarded.
REPAIR BLDG. Cost, $2000
SAN FRANCISCO. No. 543 Clay St.
Repair fire damage to building.
Owner—Paladini Investment Co., Inc., 540 Clay St., San Francisco.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher St., San Francisco.

GRANT APPROVED

LONG BEACH, Los Angeles Co., Cal.—Public Works Administration has approved a grant of $500,000 to the Unified Rehabilitation Corp., Long Beach, to be used for financing repairs to property damaged by the earthquake.

Contract Awarded.
STORE Cost, $50,000
EUREKA, Humboldt Co., Cal. Fourth and F Streets.
One - story, mezzanine floor and basement reinf. concrete store building (24,500 sq. ft. floor space).
Owner—Domingo A. Zanone.
Plans by Engineering Dept. of Lessee, Chicago.
Lessee—Montgomery Ward & Co. Chicago.
Contractor—K. E. Parker Co., 135 So. Park St., San Francisco.

Contract Awarded
REMODEL BUILDING Cost $1,500
STOCKTON, San Joaquin Co., Calif., 446 E Main St.
Remodel Building.
Owner—Edward F. Hass.
Architect—Not given.
Contractor — Crescent Show Case & Fixture Co., San Joaquin & Tay-St., Stockton.

Sub Contracts Awarded
STORE Cost $10,000
SAN LEANDRO, Ala. Co., Calif., Washinton Ave. bet. Thornton & Williams St.,
One-story and basement frame and stucco store building.
Owner—Angelo Lombardo.
Architect—Not given .
Contractor—Tony Silva, 1034 87th Ave, Oakland.
Lumber, Millwork—Larsen Bros., 501 Hepburn street, San Leandro.
Concrete—Frank Lopes, 315 Garcia avenue, San Leandro.
Plumbing—Philip Silva, 1942 81st ave., Oakland.
Sub Bids are being taken on ornamental iron, roofing, painting, electric work and plastering .

Contract Awarded.
REMODEL BLDG. Cost, $5000
FRESNO, Fresno Co., Cal. Lots 17, 18 and 19 Block 68.
Remodel building (new front, etc.)
Owner—A. J. Arnandon.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Contract Awarded.
ALTER BLDG. Cost, $10,000
FRESNO, Fresno Co., Cal. No. 1462 Broadway.
Owner—O. L. Everts, Griffith & McKenzie Bldg., Fresno.
Architect—Not Given.
Contractor — Taylor-Wheeler, Inc., Power Company Bldg., Fresno.

PLANNED.

EL CERRITO, Contra Costa Co., Cal.—Chung Mei Home, 3000 9th St., Berkeley, are contemplating constructing a new home in El Cerrito to cost $100,000. Only $27,000 is now available and a drive is under way to secure additional funds. Dr. Chas. Shepherd, 3000 9th St., Berkeley, is the superintendent. A building committee has been appointed, headed by A. C. Harlander, % McMarr Co., Oakland.

Sub-Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. Sixteenth St. and Telegraph Ave.
Alterations to store (interior decorating, new front, plastering, Vitrolite, glazing, terrazzo, etc.)
Owner—Moss Stores.
Architect—Fred H. Reimers, 33 Post St., San Francisco.
Electric—Spott Elec. Co., 569 19th St., Oakland.
Painting—Joe Turgeon, 512 E-12th St., Oakland.
Terrazzo Work—Oakland Concrete & Terrazzo Co., 2227 Market St.
Millwork—Oakland Planing Mill, Inc., Second and Washington Sts., Oakland.
Vitrolite and Glazing—W. P. Fuller & Co., 259 10th St., Oakland.
Carpentry—Ed Shearer, 402 37th St., Oakland.

ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Cal. No. 1445 Oak Street.
Repairs to building.
Owner—Nucleus Bldg. & Loan Assn., 6 N-First St., San Jose.
Plans by Owner.
Contractor—W. James Johnston, 220 Santa Rosa Ave., Oakland.
Plumbing—H. S. Salisbury, 421 Perkins St., Oakland.
Cornice and Sheet Metal—Scott Sheet Metal Works, 2201 Brush St., Oakland.
Electric—Scott-Buttner Electric Co., 23rd and Webster Sts., Oakland.
Bids are now being taken on roofing and tile work.

PLANS BEING PREPARED

BEVERLY HILLS, Los Angeles Co., Cal.—Architect Wm. Gage, 468 North Camden Drive, Beverly Hills, is taking bids for a brick, concrete and steel market building to be built at Burton Way and Canon Drive, Beverly Hills, for Stanley B. Anderson. Will contain store rooms, offices and market and will have 12,000 square feet of floor space. Wood roof trusses, tile and marble work, toilets, wrought iron, skylights, steel sash, gas-steam radiators, ventilating system, etc. Cost $38,000.

Work Started.
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Calif. 4352 Broadway.
Remodel for offices (work involves shelving, counters, railing, painting, etc.)
Owner—American Trust Co., 14th and Broadway, Oakland.
Plans by Engineering Dept. of Owner
Lessee — Hoyt Bros., Inc., Newark, New Jersey.
Contractor—Richt Co., premises.

Contract Awarded.
ALTER STORE Cost, $2000
SAN FRANCISCO. No. 885 Market Street.
Alterations to store building.
Owner—C. H. Baker, 885 Market St., San Francisco.
Architect—Not Given.
Contractor — L. & E. Emanuel, 2665 Jones St., San Francisco.

Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. 1673 Seventh Street.
Alterations & additions to meat market (install new machinery and equipment, etc.)
Owner—Herman Hartje, 1678 7th St., Oakland.
Architect—Not Given.
Vats—General Electric Co., Russ Bldg. San Francisco.
Hangers—John's Hanger Co., 709 Harrison St., San Francisco.
Sausage Equipment (second hand)—San Francisco Salami Sausage Factory, 505 Davis St., San Francisco.

TO START CONSTRUCTION SHORTLY

LOS ANGELES, Cal.—Wm. Simpson Constr. Co., Architects' Bldg., will start work next week on remodeling and altering a building at 5939 Sunset Blvd., for the Western Broadcast Co., Inc. Earl T. Heitschmidt, architect, 807 Subway Terminal Bldg. The building is a one-story Class A structure, covering an area of 130x150 feet. Work will consist of sound-proofing walls and the installation of acoustical treatment, forced draft heating and ventilating system, masonry partitions, tar and gravel roofing, linoleum and carpet floor covering, plate glass, steel sash and fire doors. Cost, $35,000 to $40,000.

Sub-Bids Being Taken.
ALTER BLDG. Cost, $2000
OAKLAND, Alameda Co., Cal. No. 2425 Broadway.
Alterations to present building.
Owner—Hibernia Savings & Loan Society, Jones and McAllister Sts., San Francisco.
Architect—Not Given.
Lessee—Levin's Auto Supply Co., 11 Van Ness Ave., San Francisco.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
Sub-bids are being taken on painting, glass, carpentry and wiring.

Contract Awarded.
ALTER STORE Cost, $10,000
MOUNTAIN VIEW, Santa Clara Co., Calif.
Remodel store building (new fixtures, cabinet work, etc.)
Owner—Mountain View Hardware Co.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.
Contractor—R. W. True, Mountain View.
Mill Work — Pacific Mfg. Co., Santa Clara.

Contract Awarded.
ALTER BLDG. Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 238 S Forst Street.
Alterations to store building.
Owner—Frank Burrell, 246 S First St. San Jose.
Architect—Not Given.
Contractor—H. J. Wold, 1130 N Second St., San Jose.

Contract Awarded.
ADDITION Cost, $5000
SAN FRANCISCO. Hotaling St. bet. Jackson and Washington Sts.
One-story addition to two-story bldg.
Owner—Security Lithograph Company
Architect—H. A. Minton, 525 Market Street.
Engineer—L. H. Nishklan, 525 Market Street.
Contractor—David Paganini, 519 California Street.

Preparing Working Drawings.
OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. 374 W Santa Clara Street.
Two - story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, president) 372 W Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Bids will be asked in about 3 weeks.

Planned.
ADDITION Cost, $4000
SAN FRANCISCO. Fourth and Berry Streets.
Addition to office building (new plbg., etc.)
Owner—Southern Pacific Co., 65 Market Street.
Plans by Engineering Dept. of Owner
Lessee—S. & W. Company, premises.
If funds are allotted for this work it will probably be done by owner's own forces.

Contracts Awarded.
AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 405 W-Santa Clara Street.
One-story reinforced concrete automobile building (107x250 feet) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin, San Jose
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.

Plumbing
Wm. F. Serpa, 97 N-13th St., San Jose, at $1225.

Sheet Metal
Western Sheet Metal Works, 393 W. Santa Clara St., San Jose, at $487.

Roofing
Farmers' Union, 151 W. Santa Clara St., San Jose, at $1400.
As previously reported, concrete awarded to Joe Alva, 123 S-Third St., San Jose; carpentry to C. A. Thomas, 127 Clayton St., San Jose.

SUB-CONTRACTS AWARDED
SAN BERNARDINO, Cal.—Bakker & Robinson, 732 D St., San Bernardino report subcontracts for the two-story, Class A store building they have under construction at the southwest corner of Court and E Sts., San Bernardino, for Montgomery Ward & Co., awarded as follows: Structural steel to Consolidated Steel Corp., Los Angeles; ornamental iron to Halsey Machine & Mfg. Co., San Bernardino; glass and glazing to W. P. Fuller & Co., San Bernardino; roofing to San Bernardino Roofing Co., San Bernardino; sheet metal to Geo. M. Cooley Co., San Bernardino; reinforcing steel, steel sash and windows to Truscon Steel Co., Los Angeles; art stone and waste moulds to California Staff & Stone Co., Los Angeles; waterproofing to O. H. Mann & Co., Los Angeles; painting to Arenz - Warren Co., Los Angeles. Plans for the building were prepared by the owner's architectural department in Chicago.

Contract Awarded.
ADDITION Cost, $2000
SAN FRANCISCO. N Market St. 155 E Church Street.
One-story frame addn. to store bldg.
Owner—J. H. Wiley, 2048 Market St.
Architect—Not Given.
Contractor—I. W. Coburn, 2048 Market Street.

To Be Done By Day's Work.
STORE Cost, $3200
WATSONVILLE, Santa Cruz Co., Cal. Main Street.
One-story concrete and frame store building (20x60 ft.)
Owner—Perry M. Andrews, 111 Brennan St., Watsonville.
Architect—Not Given.
Work is being done under the owner's supervision.

Sub-Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. 1520 Broadway.
Alterations to store bldg. (new front and fixtures, etc.)
Owner—Clark Investment Company.
Lessee—Regal Shoe Company.
Contractor—George Swanstrom, 1615 78th Ave., Oakland.
Plastering—Charles Burnett, 865 32nd St., Oakland.
Glass and Copper Work—W. P. Fuller & Co., 259 10th St., Oakland.
Sprinkler System—Rockwood Sprinkler Co., 7 Front St., San Francisco
Electric—Scott-Buttner Elec. Co., 23rd and Webster Sts., Oakland.
Steam Fitting & Plumbing—Scott Co., 113 10th St., Oakland.

PLANS BEING FIGURED.
BEVERLY HILLS, Los Angeles Co., Cal.—Architert Wm. Gage, 468 North Camden Drive, Beverly Hills, is taking bids for a market building at corner of Burton Way and Canon Drive, Beverly Hills, for S. B. Anderson. The building will contain store rooms, offices and a market and will make 12,000 sq. ft. of floor space. Brisk and concrete construction, structural steel, wood roof trusses, tile and marble work, gas-steam radiators. Cost, $38,000.

Contract Awarded.
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Cal. No. 441 Twelfth Street.
Alterations to restaurant.
Owner—Sea Cave, Premises.
Architect—Not Given.
Contractor—J. B. Petersen & Son, 4021 Agua Vista Ave., Oakland.

Contract Awarded.
STORE Cost, $——
SAN JOSE, Santa Clara Co., Cal. No. 160-164 S-First Street.
One-story and basement fireproof store building (51x275 feet); concrete and steel construction.
Owner — Montgomery Ward & Co., Oakland.
Plans by Engineering Dept. of Owner.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Mechanical awards will be made shortly.

18— WHARVES & DOCKS

CONTRACT AWARDED.
YERBA BUENA ISLAND, Cal.—C. A. Lauritzen, 300 E St., Antioch, at $11,508 awarded contract by Lighthouse Department for 90x60 ft. extension to wharf at Yerba Buena Island Lighthouse Depot, San Francisco Bay. Work includes timber piling and laying of railroad track. Complete bids Published January 12.

CONTRACT AWARDED
SAN FRANCISCO — Ben C. Gerwick, 112 Market St., at $1009 awarded contract by Port Quartermaster, Fort Mason, for furnishing and installing spring piles on the north side of Dock No. 4, Fort Mason. Following bids received:

Ben C. Gerwick	$1009
Healy Tibbitts Constr. Co.	1084
A. W. Kitchen Company	1176
M. B. McGowan	1176

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO—California Gunite Company, 1446 Keystone St., Burbank, at $14,012.50 awarded contract by the State Board of Harbor Commission for repairs to concrete beams and girders under Pier No. 39, involving:
(1) 1400 lin. ft. 10½-in. or less in width;
(2) 1000 lin. ft. 11/13-in. do;
(3) 1850 lin. ft. 14/17½-in do;
(4) 750 lin. ft. 18/21-in. do.
Total bids follow
(A) California Gunite Co., Burbank, $14,012.50.
(B) Young & Horstmeyer, San Francisco, $16,258.50.
(C) E. Anderson, San Francisco, $16,549.50.
(D) M. B. McGowan, San Francisco, $18,735.
Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$2.65	2.72	$3.13	$3.00
(2)	2.65	3.02	3.27	3.50
(3)	2.90	3.48	3.35	4.10
(4)	3.05	3.99	3.60	4.60

COMMISSIONED TO PREPARE PLANS.
ARCADIA, Los Angeles Co., Cal.—Architect G. B. Kaufmann, 610 Union Bank Bldg., Los Angeles, commissioned to prepare plans for horse racing plant on 215 acre site at Colorado Blvd. and Huntington Drive, Arcadia, for the Los Angeles Turf Club; Gwynn Wilson, business manager, Oviatt Bldg., Los Angeles. As previously reported, Lindgren & Swinerton, 523 W 6th St., Los Angeles, contractors. The club was recently granted a permit by State Racing Commission to build and operate the plant and construction will be under way about March 1, with completion scheduled for Dec. 15. Will include grandstand to seat 10,000; stables to accommodate 1200 horses; clubhouse; secretary's building; padlock and judges' stand. The grand stand will be a concrete and steel structure and the stables of semi-fireproof construction. All other buildings wood frame structures. Other improvements will include landscaping, a large automobile parking area and fences enclosing the entire site and the track. Cost, $500,000.

BIDS WANTED.
BOULDER CANYON, Nev.—Until 2 P. M., Feb. 19, bids will be received by the Bureau of Reclamation, Denver, for furnishing the following under Spec. No. 608-D:
(1) Butterfly valve supports and stud bolts;
(2) 84-in. needle valve sole pieces and studs;
(3) 84-in. needle valve discharge guides;
(4) one 150-ton cableway car transfer cradle.
The above is to be used for the Boulder Dam Project. Bids will be considered on all or any number of the items of the following schedule. Bidders may make such stipulations as they desire regarding combinations of items, but no bid will be considered for only a part of any item.

Planned.
RECREATION CENTER Cost, $——
ANTIOCH, Contra Costa Co., Calif. Waterfront property.
Recreation center (involves dredging, beach leveling, creation of swimming area, construct camping facilities, lockers, clubrooms, etc.)
Owner—Sportsmen, Inc. (Dean Marvin, president) % Antioch hamber of Commerce.
Architect—Not Given.

BIDS WANTED.
SAN FRANCISCO.—Until Feb. 13, 12 noon, bids will be received by B. P. Lamb, Secretary, Park Commission, Park Lodge, Golden Gate Park, for furnishing and installing floodlighting equipment for the cross on Mount Davidson. George W. Kelham, 315 Montgomery St., architect. Plans and specifications available from architect upon deposit of $25.00.

CONTRACT AWARDED.

SAN FRANCISCO — Edwin Anderson, 209 Post St., at $540.00 awarded contract by Department of Public Works for steam cleaning the Stockton Street tunnel.

Additional Prospective Bidders

PEARL HARBOR, T H.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Wash., D. C. on February 28th for the construction of steel frame building, steam generating plant, boilers, etc. at the Naval Fleet Air Base, Pearl Harbor, T. H., Spec. No. 7438.

National Airoil Burner Co., 1327 Gerard Ave., Phila., Pa.

Union Iron Works, Erie, Pa.

Amercian Steel Bank Co., 1400 Nixon St., Pittsburg, Pa.

BIDS WANTED

SEATTLE, Wash.—Until February 23, bids will be received by the Custodian, Seattle Post Office, for directional signs for the U. S. Post Office, Seattle, Washington.

PLANNED.

CULVER CITY, Los Angeles Co., Calif.—Metro-Goldwyn-Mayer Studios, 10,202 Washington Blvd., Culver City, contemplate erecting a projection building on the studio site in Culver City.

BIDS REJECTED

HAMILTON FIELD, Marin Co., Cal. —Port Quartermaster, Hamilton Field, rejected bids for underground garbage can containers for Hamilton Field. Lowest bid was submitted by Dwan & Co., Call Bldg., San Francisco, at $2077, Item 1 and $1969 Item 2. New bids will be asked at a later date.

LOW BIDDER.

BOISE, Idaho.—J. O. Jordan & Son, Boise, submitted low bid to Veterans' Administration on February 6 at $7,-335, for the construction of an incinerator and incinerator house at Veterans' Administration Facility, Boise.

Bids In—Held Under Advisement.

ADDITION Cost, $10,000

OAKLAND, Alameda Co., Cal. No. 1800 Madison Street.

Steel and concrete dining room addition to Lake Merritt Hotel.

Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.), Oakland.

Architect—W. E. Schirmer, Financial Center Bldg., Oakland.

Announcement will be made in a few days.

Plans Being Figured.

BLEACHERS Cost, $——

SANTA CLARA, Santa Clara Co., Cal. Concrete and wood bleachers (to seat 4000).

Owner—University of Santa Clara.

Plans by Engineering Dept. of Owner. H. C. Miller, Santa Clara, is figuring the plans.

AWARD

LOS ANGELES, Cal.—San Pedro El. Co., 263 W 6th St., San Pedro, was awarded contract by Los Angeles harbor commission at $2329.64 for furnishing and installing public address system at Berths 56 and 57, Los Angeles Harbor; Spec. 926. The award was made on Proposal A, trumpet - type speakers.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until February 23, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for furnishing 200 mess trays at Hamilton Field. Bid sheets and information available from above office.

Planned.

BATH HOUSE. Cost, $——

PALO ALTO, Santa Clara Co., Cal. Municipal Marsh Lands.

Construct adobe brick bath house (terra cotta tile roof, etc.)

Owner—City of Palo Alto.

Plans by City Engineer, Palo Alto.

Preliminary plans have been submitted for approval and project may be financed by CWA funds. Further details will be announced at a later date.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Feb. 28 for the construction of steam generator plant, steel frame building, boilers, etc., at the Naval Fleet Air Base, Pearl Harbor, T. H. Spec. No. 7438:

P. W. McGuire Co., Washington, D. C.

C. C. Moore, 450 Mission St., San Francisco.

Soule Steel Co., 1750 Army St., San Francisco.

Theo. Davies, Matson Bldg., San Francisco.

Honolulu Iron Works, Honolulu.

R. G. Whinery, 398 Loma Drive, Los Angeles.

Erie City Iron Works.

St. Louis Firebrick & Clay Co., 3050 E-Slauson Ave., Huntington Park.

Western Pipe & Steel Co., 444 Market St., San Francisco.

R. G. Meyler Corp., Continental Bldg., Los Angeles.

Staples & Pfeiffer, Ltd., 528 Bryant St., San Francisco.

Walworth California, 235 Second St., San Francisco.

California Steel Products Co., 490 Bay St., San Francisco.

American Factors, Matson Bldg., San Francisco.

Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

McClintic-Marshall Co., 20th and Illinois Sts., San Francisco.

Grinnell Co. of the Pacific, Fifth and Brannan Sts., San Francisco.

Jones Gas Process Corp.

Herman Lawson, 465 Tehama St., San Francisco.

American Electric Co., 465 Bryant St., San Francisco.

Consolidated Steel Co., Slauson and Eastern Aves., Los Angeles.

George Hess, 434 S. Westmoreland Ave., Los Angeles.

Rolph Mills Co., 525 Market St., San Francisco.

San Francisco Firebrick & Furnace Co., 1135 Mission St., San Francisco.

E. T. Thurston, Honolulu.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

LOS ANGELES, Cal.—Commercial Shearing & Stamping Co., Youngstown, Ohio, and 5717 Santa Fe Ave., Los Angeles, at $8632.80 f.o.b. Youngstown, Ohio, submitted low bid to the Metropolitan Water District, January 30, for furnishing structural steel I-beam ribs, splice plates and base plates for tunnel support, complete with bolts and nuts, involving 120 tons 6-in. 12½lb. I-beams. District Specifications No. M-2022. Bid No. 19,806. The freight amounts to $2760. The items are:

(1) 60 tons of 2-section ribs with plates; Drawing B-1193;

(2) 60 tons of 3-section ribs with plates; Drawing B-1194.

The total bids were:

(A) Commercial Shearing & Stamping Co., Youngstown, Ohio, $8632.80; f.o.b. Youngstown. Discount, 1% 10 days. No sales tax.

(B) Western Pipe & Steel Co., Los Angeles, $11,460; f. o.b. bidder's plant, 5717 Santa Fe Ave. No discount. Sales tax, $286.50.

(C) Pacific Iron & Steel Co., Ltd., Los Angeles, $11,400; f.o.b. bidder's plant, 116th and Alameda Sts., Los Angeles. No discount. Sales tax if required.

(D) Minneapolis-Moline Power Implement Co., Los Angeles, $8784; f.o.b. bidder's plant, Minneapolis, Minn. No cash discount. No sales tax.

(E) McClintic-Marshall Corp., Los Angeles, $9060; f.o.b. bidder's plant, Pottstown, Pa. No discount. No sales tax.

(F) Youngstown Steel Corp., $10,191; f.o.b. Niles, Ohio. Discount, 1% 10 days. No sales tax.

Unit bids follow:

	(1)	Total	(2)	Total
(A)....	$71.94	$4316.40	$71.94	$4316.40
(B)....	95.50	5730.00	95.50	5730.00
(C)....	94.00	5640.00	96.00	5760.00
(D)....	70.40	4224.00	76.00	4560.00
(E)....	70.00	4200.00	81.00	4860.00
(F)....	80.50	4830.00	89,35	5361,00

BIDS REJECTED.

LOS ANGELES, Cal.—The Los Angeles County Supervisors rejected all bids received at the auction sale held February 1, 10 A. M., for the sale and removal of 230,000 yds. of dirt from Fort Moore Hill, between N Spring St. and N Broadway and between Temple St. and Sunset Blvd.

BIDS OPENED.

LOS ANGELES, Cal.—J. H. Baxter & Co., 508 Edison Bldg., Los Angeles, at $2241.60 (A1) and at $4496.40 (A2) submitted low bids to the Los Angeles Harbor Department January 31 for furnishing and delivering Douglas fir piles under Spec. No. 927.

Complete bids follow:

J. H. Baxter & Co., (A1) 4570 lin. ft. Douglas fir piles with 16 lb. treatment, $2241.60; (A2) 3480 lin. ft. Douglas fir piles with 12 lb. treatment, $1496.40.

Pan-Pacific Piling & Const. Co. (A1) $2262.15; (A2) $1583.40.

Consolidated Lumber Co., (A1) $2,-467.80; (A2) $1705.20.

Chas. R. McCormick Lbr. Co., (A1) $2498.45; (A2) $1722.60.

No bids were submitted on Proposal B (Southern pine piles).

BIDS OPENED

LOS ANGELES, Cal.—C. G. Willis & Son, 2119 E. 25th St., Los Angeles, at $95 per month per truck for equipment as stated below on monthly rental basis for use on Emergency Conservation Work, under immediate direction of the Los Angeles County Forestry Department, submitted low bid to the U. S. Forest Service, 751 S. Figueroa St., Los Angeles. Bids were opened February 2. (1) Dump Trucks, 1½-ton each, Ford, Chevrolet or equal, not earlier than 1930 model, Bid No. D.P.M. 68. Other bids were: R. J. Blanco, $110; S. Edmondson, $125; Belyea Truck Co., $135.

CONTRACTS AWARDED

SEATTLE, Wash. — The following awards were made by the Board of Public Works, Seattle, Wash., for furnishing steel sheet piling, structural steel and angle steel involving 1164 tons of steel in all, amounting to $59,-000:

Pacific Coast Steel Co., 60% of the steel.

Columbia Steel Co., 25% of the steel.

A. M. Castle Company, 15% of the steel.

CONTRACT AWARDED

LOS ANGELES, Calif. — Southwest Portland Cement Co., 727 W 7th St., Los Angeles, awarded contract by the Los Angeles County Superviors for furnishing 1100 barrels of cement for the construction of a spillway bridge at San Gabriel Dam No. 2.

E. C. Eaton, county flood control engineer. 20

BIDS OPENED.

PANAMA CANAL ZONE.—Following bids received by the General Purchasing Officer, A. L. Flint, The Panama Canal, Washington, D. C., under Schedule No. 2935 for furnishing the following:

(1) 475,000 lbs. steel concrete reinf. bars;
(2) non-copper structural steel;
(3) 3,050 pieces acoustical material.

A. M. Castle & Co., Chicago, ½%, (1) $12,201.25; (2) $4,985.00.

Celotex Co., Washington, D. C., 2% (3) $706.75.

Crucible Steel Co. of America, New York, ½% after freight; (1) $12,-201.25.

Gulf States Steel Co., Birmingham, Ala., ½% after freight; (1) $12,201.25.

Johns-Manville Corp., New York, 2% (3) $884.50.

Judson Mfg. Co., Oakland, ½% (1) $12,201.25.

Hudson Supply & Equip Co., Washington, ½% after freight, (1) $12,-201.25.

Jones & Laughlin Steel Corp., Pittsburgh, ½% after freight; (1) $12,-201.25.

Kilby Car & Foundry Co., Anniston, Ala., ½%; (1) $12,391.25.

Laclede Steel Co., St. Louis, ½% (1) $12,201.25.

Republic Steel Corp., Youngstown, Ohio, ½% after freight; (1) $11,352.50.

Jos. T. Ryerson & Son, Chicago, ½% (1) $12,201.25.

Soule Steel Co., San Francisco ½% after freight, (1) $12,201.25.

U. S. Steel Products, Washington, D. C., (1) $12,201.25 (2) $3,489.68; ½% on (1) only after freight.

Truscon Steel Co., Washington, ½% after freight (1) $12,201.25.

Youngstown Sheet & Tube Company, Youngstown, Ohio, ½% after freight (1) $12,201.25.

Concrete Steel Co., 2 Park Avenue, New York, ½% after freight (1) $12,-201.25.

Bethlehem Steel Export Co., New York, (1) $12,201.25; (2) $3,357.98, ½% after freight. 20

BIDS OPENED.

LOS ANGELES, Cal.—The following identical bids were submitted Feb. 5 at $0.655 a sack with 5c sack discount for furnishing the U .S. Forest Service with 700 bags of cement delivered to warehouse Arroyo Seco, 6 miles from Pasadena, under Bid No. DPM 74:

Blue Diamond Co., Consolidated Rock Products Co., Hammond Lumber Co., E. H. Lockett & Son, Service Materials Co., Patten-Blinn Lbr. Co., Security Materials Co., Lounsberry & Harris, Geo. L. Thorog, A. L. Burdick, C. L. Williams, Litchfield Lumber Co. and J. C. Smith Co. 20

CONTRACTS AWARDED.

SEATTLE, Wash. — The following awards were made by the Board of Public Works, Seattle, Wash., for furnishing lumber and piling, to be used in construction of the Railroad Avenue Project, Seattle, Wash:

Lockwood Lumber Company, Columbia Lumber Company, Farrell Lumber Company and Elliott Bay Mill Company, Seattle, at $25,169 (joint bid) for furnishing 1,200,000 M.F.B.M. lumber

Alex Cugini, at $16,176 (6c per ft. for truck delivery) for furnishing 245,-000 lin. ft. timbtr piling.

COMPLETE BIDS FOLLOW—1,200,-000 M.F.B.M. LUMBER:

W. A. Wyman $23,972; McCormick Lumber Co., (Structural) $24,819.

Identical bids were received as follows at $25,169: Lockwood-Columbia-Farrel & Elliott Bay Mill Co.; Gourlay-Blackstock; Brace Lumber Co.; Rich Lumber Co.; Brunn Lumber Co.; Seattle Retail Lumber Co.; Abel, Inc.; Matheny Bacon; and Preston.

COMPLETE BIDS FOLLOW—245,-000 L.F. PILING:

Alex Cugini, (6c per ft. by truck)	$14,700.00
Alex Cugini (6¼c do by water)	15,312.00
Lockwood Lumber Co. (7c per ft.)	17,150.00
Puget Timber Co., et al (7¾c do)	18,987.00
Columbia Lumber Co. (8c per ft.)	19,208.00
Pac. Lumber & Shipping Co. (8c do)	19,208.00
Johnson & Gunstone (9c per ft.)	22,050.00

20

AWARD.

BENICIA, Solano Co., Calif.—Shell Oil Co., San Francisco, awarded contract at $11 per ton (6,000 gals. of road oil) by the War Department for furnishing road asphalt and oil as specified above, Benicia Arsenal. 20

BIDS OPENED.

PANAMA CANAL ZONE.—Following bids received by the General Purchasing Officer, A. L. Flint, The Panama Canal, Washington, D. C., under Schedule 2931, opened January 26, for furnishing 75,000 barrels of fuel oil:

	Per bbl.
Asiatic Petroleum Corp., N. Y.	$1.10
Standard Oil Co. of New York	1.15
Union Oil Co. of Calif., L. A.	1.08
West India Oil Co., N. Y.	1.05
Texas Co., New York	1.21

20

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Following bids received by the Berkeley city council for furnishing:

(1) 1200 tons asphaltic concrete;
(2) 1200 tons natural rock asphalt.

ITEM (1)

	Per ton
Independent Const. Co., foot of 47th Ave., Oakland	$3.35
W. H. Larson, Berkeley	3.49
Ransome Co., Emeryville	3.50
Blake Bros. Co., S. F.	3.90

ITEM (2)

Blake Bros. Co., Balboa Building, San Francisco, f.o.b. Corporation yard	$3.10
f.o.b. Sacramento	3.70
Calrock Asph. Co., S. F.	4.00
	4.55
J. H. Fitzmaurice, Oakland	4.20
	4.75
Independent Const. Co., Oakland	4.20
	4.85
f.o.b. Sacto. by truck (alt.)	4.15
Ransome Co., Emeryville (alternate) Sacramento	3.85

CONTRACT AWARDED

ALAMEDA, Cal.—N. Clark & Sons, 116 Natoma St., San Francisco, at $2697.80 awarded contract by Alameda City Council, for furnishing virtified ironstone sewer pipe, 2050 ft. 2-in., to to be used for sewer from Tynan Ave. to the Northside sewer.

Gladding, McBean & Co., 660 Market St., San Francisco, submitted only other bid (identical) $2697.80 ($1.316 per lin. ft.)

READYCUT HOUSE — U. S. FOREST SERVICE

SAN FRANCISCO — Following bids received by U. S. Forest Service, San Francisco, for furnishing 175 readycut buildings for various stations in the National Forests of California and Nevada, including the following:

(A1) 13 ranger stations, one-story, living room, two bedrooms, bath and kitchen, without basement;
(A2) Do with basement;
(B) 29, 3-room guard stations;
(C) 3 3-room fireman lookout stations
(D) 9 guard stations for crew type;
(E) 15 two-room offices;
(F) 5 one-room offices;
(G) 1 double garage;
(H) 51 garages and tool houses;
(J) garages;
(K) 49 woodsheds with cement floors.

Complete bids follow:

(1) Tilden Lumber & Mill Co., Oakland.
(2) American Builder, Inc., Seattle.
(3) E. K. Wood Lumber Co., Oakland or Los Angeles.
(4) Aladdin Co., Portland, Oregon.
(5) McCormick Supply Co., San Francisco or Portland.
(6) Pacific Manufacturing Co., Santa Clara or Los Angeles.
(7) Hammond Lumber Co., San Francisco.
(8) Pacific System Home, Inc., Los Angeles.
(9) Eureka Mill & Lumber Co., Oakland.
(10) Diamond Match Co., Chico.
(11) Wood Head Lumber Co., Los Angeles.
(12) Oak Park Lumber & Milling Co., Sacramento.
(13) Loop Lumber & Mill Co., Alameda.
(14) Truckee - Tahoe Lumber Co., Truckee.
(15) Auburn Lumber Co., Auburn.
(16) Contracting Engineers, Inc., Los Angeles.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12	(13)	(14)	(15)	(16)
(A1)	$1135	$1116	$1200	$1242	$1250	$1307	$1411	$1422	$1550	$	$.....	$.....	$.....	$.. .	$.....	$.....
(A2)	1185	1136	1223	1242	1290	1328	1378	1447	1565	1591	.....	.....	.....	.....	.....	.....
(B)	980	941	1011	1086	1145	1141	1170	1211	1300	1381	.....	.....	.....	1136	.....	1830
(C)	645	671	681	728	795	766	823	.....	875	958	.....	1041	.....	.....	836	.....
(D)	1050	966	1080	1151	1330	1212	1252	1274	1380	1479	1300	.....	.....	.....	.....	1760
(E)	520	514	575	572	625	641	612	684	720	762	700	.....	.....	.....	.....	1110
(F)	395	396	436	446	490	491	404	507	540	585	.....	.....	.....	.....	.....	.....
(G)	240	189	202	180	470	236	275	235	270	.....	263	.....	.....	.....	.....	.....
(H)	175	131	.....	138	.....	160	.....	.....	185	.....	.....	.....	.....	.....	.....	.....
(J)	175	180	190	198	217	217	208	216	260	305	238	281	234	.....	237	335
(K)	90	101	111	118	138	130	126	139	175	169	151	157	132	154	151	215

Awrds will be determined after computation of freight rates is completed which will be in about one week.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

NAVY DEPARTMENT

BREMERTON, Wash.—Until February 14, 10 a.m., bids will be received by the Supply Officer, Puget Sound Navy Yards, Bremerton, Wash., for furnishing:

(1) 2,800 lbs. pipe, brass, seamless, grade-A, standard weight, ⅜-in. I.P.S. in random stock lengths of from 12-ft. to 16-ft. inclusive—Req. 294 NSA.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies for navy yards and stations, as follows:

TUBING, wrought iron pipe and steel, black lap-welded and seamless steel, Sch. 1664, Eastern and Western Yards, Feb. 13;

SHEARS, tailors' or sail-makers, 384 prs., Mare Island; 108 prs. do Puget Sound; 744 prs. tinners' shears, Mare Island; 6 prs. do. Mare Island; Sch. 1662, Feb. 16;

ALLOY, ingot aluminum, aluminum-alumnium-alloy and aluminum-alloy pipe, Sch. 1667, Eastern and Western Yards, Feb. 16;

PIPE, cast iron soil, Eastern Yards, Sch. 1674, Feb. 16;

PIPE, 1,135 ft. cast iron soil, Mare Island, Sch. 1674, Feb. 16;

NICKEL, for remelting, 1500 lbs., Sch. 1678, Puget Sound, Feb. 16;

MIRRORS, plate glass, 240, Sch. 1679, Mare Island, Feb. 16;

LEAD, sheet, 960 lbs. San Diego; 14,-400 lbs. do, Mare Island; 2,400 lbs. do Puget Sound, Sch. 1687, Feb. 16;

CHAMOIS SKINS, 1,200, San Diego; 4,000, Mare Island, Sch. 1683, Feb. 16;

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for the following equipment:

COFFEE-GRINDING machines, electrically operated, 3, Mare Island, Sch. 1713, Feb. 16;

KITCHEN & CAKE machines, electrically operated and spares, 4, Mare Island, Sch. 1713, Feb. 16;

CHOPPING MACHINES, electrically operated meat and food, 3, Sch. 1713, Mare Island, Feb. 16;

TANKS, gasoline storage, corrosion-resisting steel, 14, Sch. 1718, Eastern and Western Yards, Feb. 20;

MACHINES, motor-driven boring, drilling and milling machines and spares, 5, Sch. 1722, Puget Sound, Feb. 20.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous equipment for navy yards and stations, as follows:

BAKE OVENS, electric and spares, 63, Puget Sound, Sch. 1681, Feb. 16;

OVENS, Electric warming, 13, Mare Island Sch. 1681, Feb. 16;

JACKS, bevel geared, 12, Mare Island; 6, planer or leveling jacks and 26 screw jacks, Mare Island, Sch. 1688, Feb. 16;

KETTLES, aluminum or corrosion-resisting steel steam jacketed, 20-gal., 7, Mare Island; 16 do 40-gal., 5 do, 60-gal., and 70 do, 80-gal., Sch. 1677 Mare Island Feb. 16;

GRINDING MACHINE motor driven tool, universal, Sch. 1717, Puget Sound, Feb. 16;

BOILER TUBES, steel, Sch. 1707, 180, East or West Yards, Feb. 16;

SCRAPERS, ship, 6700; Puget Sound; 156, Puget Sound; 6,000, Mare Island Sch. 1692, Feb. 16;

COCKS, urinal, 80, Mare Island, Sch. 1686, Feb. 16;

FAUCETS, lavatory, 290, Mare Island, Sch. 1686, Feb. 16.

VALVES, water-closet, 205, Mare Island; 25, do, Puget Sound, Sch. 1686, Feb. 16.

CANAL ZONE

PANAMA CANAL ZONE — Until February 16, 10:30 A. M., bids will be received by the General Purchasing Officer, A. L. Flint, Panama Canal, Washington, D. C., under Schedule No. 2938, for furnishing the following supplies, equipment, etc.:

Searchlight, structural steel, steel bars, floor plates, iron or steel pipe, cable clips, pumps, steam-pressure gauges, zinc anodes, chinaware, glass, insulated cable, wire, telephone lamps, battleship linoleum, rubbing felt, abrasive cloth.

Specifications obtainable from above office, and at the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until February 15, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2939, for assorted files, twist drills, brass wood screws, steel hinges, chair casters, track bolts, track terminal bonds, spading forks, garden hoes, cant-hooks, empty paint cans, cast iron pipe bends, red paint, black enamel, dry metallic zinc.

Specifications obtainable from the above office or from the Assistant General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until February 20, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2941, for furnishing 229 sets hardware, complete, for awning type windows; and the following material for Madden Dam power plant: hollow metal doors (with frames, hardware and glazing), metal toilet partitions and doors, steel channels (for use in plaster partitions) and corrugated rubber matting.

Specifications obtainable from above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

KERN COUNTY

MARICOPA, Kern County—Until Feb. 17, 7 P. M., blds will be received by C. B. Warner, Clerk, Paleto School District, Maricopa High School Bldg., Mariopa, Cal., for furnishing 36 to 40-passenger school bus. Bids to be given separately on body and chassis also as a unit.

U. S. INDIAN SERVICE

PHOENIX, Ariz.—Until February 21, 2 P. M., bids will be received by the Phoenix Indian School, 4100 Rhodas Circle, Phoenix, for one new and latest improved 1934 model automobile not less than 6 cylinder motor, closed type, 4-door, 3 windows on each side, light weight, 5 passenger sedan, complete with standard equipment, etc.

SACRAMENTO CITY

SACRAMENTO, Cal.—Until February 15, 8:15 P. M., bids will be received by the City Clerk of Sacramento City Council in the City Hall on I Street, between 9th and 10th Sts., for furnishing 175 tons of Bauxite for use of filtration diversion of the City of Sac-Hall.
ramento.

Specifications obtainable from City Clerk H. G. Denton Room 203, City

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until Feb. 14, 8 P. M., bids will be received by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing 10,400 lin. ft. of ¼-in. thickness, 16-in. diameter, electric welded sheet steel pipe.

Alternate bid will be accepted for 10,400 lin. ft. 16-in. cast iron pipe.

OAKLAND, Cal.—Until Feb. 14, 8 P. M., bids will be received by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing 50,000 lin. ft. ¾-in. seamless copper tubing.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until February 14, 2 P. M., bids will be received by Frank Haynie, Supply Officre, Forest Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 776:

(1) 1 set EXPANSION REAMERS, Keystone #1102 or equal, f.o.b. Yreka, Calif.

(2) 1 set EXPANSION REAMERS, Keystone #1111 or equal, f.o.b. Yreka, Calif.

Specifications obtainable from above office.

MET. WATER DISTRICT

LOS ANGELES, Calif.—Until Feb. 27, 10 A. M., bids will be received by the Metropolitan Water District, 306 W 3rd St., Los Angeles, for furnishing under Spec. No. 65:

(1) 4, 5 or 6 locomotives;
(2) 4 air compressors;
(3) 4 centrifugal blowers;
(4) 2 motor generator sets;
(5) 38 dump cars;
(6) 16 flat car trucks;
(7) 4, 5 or 6 mucking machines.

Specifications obtainable from the office of F. E. Weymouth, chief engineer and general manager, room 2007, 306 W 3rd St., Los Angeles, upon payment of $2.00, not returnable.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD.

PACIFIC COUNTY, Wash. — H. R. Brumbach, Ilwaco, Wash., at $24,200 awarded contract by the Washington State Highway Department, for construction of a treated pile and timber trestle 287 ft. long over Teale Slough and a treated pile and timber trestle 534 ft. long over Greenhead Slough on State Road No. 12 in Pacific County.

W. T. Butler Co., Seattle, submitted second low bid at $27,597; third, Carl Bjork, Seattle, at $28,989.

BIDS WANTED.

OREGON STATE.—Until Feb. 15, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium 3rd floor, Public Service Bldg., Portland, for bridge construction as follows:

Hood River County

Bridge over East Fork of Hood river on the Hood river Secondary Highway near Dee, National Recovery Project No. NRS 232, involving approximately:

(1) 230 cu. yds. struc. excav.;
(2) 335 cu. yds. concrete;
(3) 62,000 lbs. metal reinf.;
(4) 100,000 lbs. struc. steel;
(5) 440 lin. ft. concrete handrail;
(6) 2,200 cu. yds. approach excav.;
(7) 400 cu. yds. selected roadbed topping;
(8) 250 cu. yds. gravel surfacing.

Multnomah County

Bridge over Johnson Creek on East Portland - Oregon City Highway near Milwaukie, National Recovery Project No. NRM 168-D, involving:

(1) 630 cu. yds. excavation;
(2) 3,500 lin. ft. foundation piling;
(3) 395 cu. yds. concrete;
(4) 55,000 lbs. metal reinf.;
(5) 110 lin. ft. concrete handrail.

Multnomah County

Widening existing viaduct over the O.-W. R.R. & N. Co. tracks on NE 82nd Ave. between NE Jonesmore and NE Halsey Sts., in Portland, National Recovery Project No. NRM 19-C, involving:

(1) 470 cu. yds. excavation;
(2) 990 cu. yds. concrete;
(3) 142,000 lbs. metal reinf.;
(4) 270 lin. ft. concrete handrail;
(5) 75 cu. yds. gravel fill;
(6) complete lighting system.

R. H. Baldock, State Highway Engineer. Plans and specifications obtainable from the office of the State Highway Commission, Room 322 State Office Bldg., Salem, upon deposit of $5.00 for each set.

CONTRACT AWARDED.

KERN COUNTY, Cal.—Opperman & Kampe, 1327 Orange Drve, Bakersfield, at $3784.89 awarded contract by County Board of Supervisors for construction of timber bridge over east side canal on Kentucky St. Bids opened January 29. Williams & Greenough, Bakersfield, $3784.89, second low and Carl Ingalls, Inc., $3985.70 third.

CONTRACT AWAIDED

SAN JOAQUIN COUNTY, Cal.—C. H. Dodd, 1738 West Rose St., Stockton, at $2447 awarded contract by the San Joaquin County Board of Supervisors, County Courthouse, Stockton, for the construction of a concrete bridge over Kettleman Lane, 3 miles southwest of Lockeford, in San Joaquin County. Complete bids follow:

C. H. Dodd, Stockton	2447.00
E. H. Riley, Stockton	2457.00
E. I. De Pauli, Stockton	2600.00
A. F. Anderson, Sacto	2664.00
F. Kaus, Stockton	2692.00
T. C. Tunsen, Modesto	2845.00
Nelson & Wallace, Escalon	2845.00
Tonn Bros., Lodi	2871.72
R. E. McCarty, Stockton	2875.00
B. McElderry, Oakland	3250.00
S. M. McGaw, Stockton	3450.00
O. K. Holt, San Francisco	3923.00

BIDS WANTED

ARIZONA STATE—Until February 21, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for constructing the Benson - Douglas Highway Project N.R.H. 79-C. The work, which is located at Government Draw about nine and one-half (9½) miles south of the town of Tombstone, consists of the construction of a concrete and steel girder bridge on steel piles with earthwork approaches, and is to be completed on or before June 15, 1934. The principal items are:

(1) 1300 cu. yds. roadway excavation;
(2) 300 cu. yds. borrow excav.;
(3) 560 cu. yds. placing stockpiled base course;
(4) 325 tons puacing stockpiled plant mix;
(5) 235 cu. yds. struc. excav.;
(6) 321 cu. yds. concrete;
(7) 38,000 lbs. reinf. steel;
(8) 78,800 lbs. struc. steel;
(9) 925 lin. ft. steel piles;
(10) Miscellaneous items of work.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. An appropriation in the amount of $20,000 has been made for the construction of the above project.

BIDS WANTED

SANTA BARBARA CO., Cal.—Until February 28, at 2 P. M., bids will be received by the California State Highway Commission, Sacramento, for construction of two bridges across Mission Creek, one near Figueroa St. consisting of one 38-ft. steel beam span on concrete piers with pile foundations, two 19 ft. 6 in. timber stringer spans and two 19-ft. timber stringer spans on pile bents and the other, near Mitchelltorena St., consisting of one 40-ft. steel beam span on concrete piers, two 19-ft. timber stringer spans and two 19 ft. 6 in. timber stringer spans on concrete bents, involving:

(1) 1,325 cu. yds. struc. excav.;
(2) 4480 lin. ft. furnish redwood piles including test piles;
(3) 138 each driving redwood piles, including test piles;
(4) 62 MFBM redwood timber bent select all-heart struc. grade;
(5) 59 MFBM redwood timber select all-heart struc. grade;
(6) 376 lin. ft. timber rail;
(7) 1165 cu. yds. Class A Port. cem. concrete;
(8) 101,000 lbs. bar reinf. steel;
(9) 135,500 lbs. struc. steel;
(10) 1 lot misc. items of work.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

PROSPECTIVE BIDDERS.

OAKLAND, Calif.—Following have procured plans for construction of the Broadway tunnel, Oakland, on which bids will be received March 22 by Joint Highway District No. 13:

General Electric Co., Russ Building, San Francisco.

Silas Mason Co., 500 5th Ave., New York.

Central Electric Co., 179 Minna St., San Francisco.

Henry J. Kaiser Co., 1522 Gotham Square Bldg., Oakland.

H. B. Squires, 1277 Howard Street, San Francisco.

C. F. Henderson, 420 Market Street, San Francisco.

Heafey-Moore Co., 344 High Street, Oakland.

Bates & Boiland, 524 Bank of America Bldg., Oakland.

Apartment Estates Club, P. O. Box 202, Oakland.

B. F. Sturtevant Co., 533 Monadnock Bldg., San Francisco.

McClintic-Marshall Co., Tynan and Webster Sts., Alameda.

NePage-McKenny Co., 7 Front St., San Francisco.

Abbott A. Hanks, Inc., 624 Sacramento St., San Francisco.

Alta Electric & Mech. Co., Inc., 467 O'Farrell St., San Francisco.

Ingersoll-Rand Co., 350 Brannan St., San Francisco.

W. A. Bechtel Co., 155 Sansome St., San Francisco.

McDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco.

Judson Pacific Co., Park Avenue, Emeryville.

Westinghouse Electric & Mfg. Co., 1 Montgomery St., San Francisco.

Cutler & Hammer Co., 907 Folsom St., San Francisco.

The Scott Co., 113 10th St., Oakland.

Soule Steel Co., 1750 Army St., San Francisco.

Hartford Accident & Indemnity Co. 720 California St., San Francisco.

Concrete Reinf. Steel Institute, Dist. No. 35, Chronicle Bldg., San Francisco.

Lindgren & Swinerton, 625 Standard Oil Bldg., San Francisco.

Severin Elec. Co., 172 Clara Street, San Francisco.

Wallace B. Boggs, chief engineer, 1448 Webster St., Oakland.

CAPITAL CITY TITLE COMPANY

J. C. PALEN, *Manager*

914 Seventh Street
Sacramento :: California

AWARD

EL DORADO COUNTY, Cal.—F. T. Williamson, Placerville, at $1750 awarded contract by the Board of Supervisors of El Dorado County, Placerville, for the construction of a reinforced concrete bridge across Clark Creek and for a concrete slab bridge across French Creek, both in Road District No. 3. (Only one bid submitted).

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—Bodenhamer Const. Co., 354 Hobart St. Oakland, at $67,505 awarded contract by State Highway Commission, Sacramento, for construction of two reinforced concrete girder bridges between Encinitas and Carlsbad; one across San Marcos Creek, consisting of four 40-ft. spans on concrete bents and abutments, and the other across Agua Hedionda Creek, consisting of four 40-ft. spans on concrete bents and abutments, in San Diego county.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

COOS BAY, Oregon—The Port of Coos Bay, Marshfield, Oregon, at $35,-190 ($0.1035 per cu. yd.) submitted low bid to the U. S. Engineer Office, Portland, under Bid No. 34-4-3 for dredging approximately 340,000 cu. yds. of material from the channel in Coos Bay and Isthmus Slough, Oregon, between the S. P. R. R. bridge and the upstream end of Coos Bay Lumber Co. wharf. Complete bids follow:

Port of Coos Bay, Marshfield, $35,-190; $0.1035 per cu. yd.

General Construction Co., Seattle, $54,400; $0.16 per cu. yd.

Oregon Bridge & Dredging Co., Portland, $56,100; $0.165 per cu. yd.

F. J. Kernan, Faloma, Oregon, $47, 265 $0.139 per cu. yd.

Government estimate, $48,280; $.142 per cubic yard.

SUB-CONTRACT AWARDED.

LOS ANGELES, Cal.—Sparks & McClellan, Newport, awarded a sub-contract by Merritt - Chapman & Scott Corp. for excavating on protection work on San Gabriel river outlet Unit No. 6, at San Pedro for the Los Angeles County Supervisors.

BIDS WANTED.

GRAYS HARBOR CO., Wash.—Until February 20 at 10 A. M., bids wlil be received by the Director of Highways, L. V. Murrow, Olympia, for constructing a channel for the Satsop river and a drift barrier in the vicinity of State Road No. 9, Satsop River Improvement, Federal Public Works Proj. No. 4173, in Grays Harbor County, involving:

(1) 17,300 cu. yds. of excavation;
(2) 315 cu. yds. concrete;
(3) 3,800 lin. ft. wire rope;
(4) misc. items of work.

Plans and specifications obtainable from above office upon a deposit of $2.00 for each set.

BIDS WANTED.

RICHMOND, Contra Costa Co., Cal. —Until Feb. 13, 3 P. M., bids will be received by U. S. Engineer Office, H. A. Finch, District Engineer, 401 Custom House, San Francisco, for dredging 36,580 cu. yds. of material in Richmond Harbor. The work extends from a point in the government channel about 125 ft. north of the south end of Parr-Richmond Terminal No. 2 north for a distance of about 700 ft. to the pierhead line at the north end of the channel; Proposal No. 34-28.

Specifications obtainable from above office.

23— IRRIGATION PROJ.

PERMITS ISSUED.

SACRAMENTO, Cal.—Pemits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of January, 1934:

Permit 4258, App. 7738 (Nevada Co.) issued to M. C. Wisler, Nevada City, Jan. 2 for 2 c.f.s. from Shady creek, for mining purposes. Est. cost $800.

4259 App. 7731 (San Diego Co.) H. E. Causey, Aguanga, Jan. 4, for 7200 gals. per day from a spring for use for irrigation and domestic purposes on 5 acres. Est. cost, $300.

4260, App. 7706 (Trinity Co.) Frank Reed and Brent Clark, Minersville, Jan. 4, for 8 c.f.s. from Mule creek, for mining and domestic purposes.

4261, App. 7557 (Trinity Co.) Canyon Placers, Inc., % McCutchen, Olney, Mannon & Green, attys., San Francisco, Jan. 9, for 50 c.f.s. from Canyon creek for use for mining purposes. Est. cost $150 000.

4262, App. 7635 (Inyo Co.) A. V. Crisp, Los Angeles, Jan. 9, for 0.25 c.f.s. from Jail canyon stream, for mining, milling and domestic purposes. Est. cost, $3,500.

4263, App. 7685 (Siskiyou Co.) Karl Johnson, Happy Camp, Jan. 9, for 1 c.f.s. from Little south fork Indian creek, for mining and domestic purposes. Est. cost, $500.

6264, App. 7737 (Mono Co.) Division of Highways, Sacramento, Jan. 9, for 0.025 c.f.s. from Glass creek for domestic purposes. Est. cost, $3,500.

4265, App. 7663 (Trinity Co.) John A. Farley, Weaverville, Jan. 12, for 3 c.f.s. from Bassham gulch, for mining purposes.

4266, App. 7608 (Sierra Co.) U. S. Tahoe National Forest, Nevada City, Jan. 12, for 0.025 c.f.s. from a spring for domestic purposes. Est. cost $300.

4267, App. 7581 (Trinity Co.) A. P. Davies and Clyde Horn, Burnt Ranch. Jan. 12, for 2.5 c.f.s. from Hawkins creek, for mining and domestic purposes. Est. cost $1,000.

4268, App. 7745 (Humboldt Co.) J. Swanson, Willow Creek, Jan. 19, for 1,000 gals. per day from a spring, for domestic purposes. Est. cost, $250.

4269, App. 7767 (Sierra Co.) U. S. Tahoe National Forest, Nevada City, Jan. 19, for 7200 gals. per day from a spring, for industrial and recreational purposes.

4270, App. 7658 (Trinity Co.) Al. E. Favinger, Dedrick, Jan. 19, for 1 c.f.s. from Little east or north fork of Canyon creek, for mining and domestic purposes.

4271, App. 6711 (Stanislaus Co.) Turlock Irrigation Dist., Turlock, Jan. 22, for 800 c.f.s. from Tuolumne river, for irrigation of 181,556 acres. Est. cost, $50,000.

4272, App. 7112 (Nevada Co.) Edw. Bickel, Nevada City, Jan. 23, for 2,-000 gals. per day from a spring, for mining and domestic purposes. Est. cost, $1500.

4273, App. 7113 (Nevada Co.) Edw. Bickel, Nevada City, Jan. 23, for 15 c.f.s. from Little Greenhorn creek (Spanish ravine) for mining and domestic purposes. Est. cost, $2,000.

4274, App. 7306 (Sonoma Co.) Frank Weaver, Sonoma, Jan. 24, for 1 c.f.s. from Sonoma creek, for irrigation of 12 acres. Est. cost. $450.

4275, App. 7749 (Tulare Co.) U. S. Sequoia National Forest, Porterville. Jan. 25, for 3250 gals. per day from a spring, for domestic purposes. Est. cost, $150.

4276, App. 7543 (Mono Co.) B. G. Johnson, Mammoth Lakes, Jan. 26, for 1.5 c.f.s. from Coldwater creek, for power purposes. Est. cost, $3,000.

4277, App. 7727 (Siskiyou Co.) J. I. Suggs and H. F. Swanson, Gottville, Jan. 29, for 1 c.f.s. from Beaver creek, for mining purposes.

APPLICATIONS FILED.

SACRAMENTO, Cal. — Applications for permit to appropriate water filed with the Department of Public Works, Division of Water Resources, during the month of January, 1934:

Application 7797 (Placer County) J. D. McClintock, Los Angeles, for 1 c. f. s. from a spring tributary to north fork American River, for mining and domestic purposes. Est. cost, $1,000.

7798 (Humboldt Co.) M. J., Joseph J., M. F. and Thos. E. Leavey, Arcata, for 40 c.f.s. from Mad River, tributary to Pacific Ocean, for irrigation and domestic purposes on sixty acres. Est. cost, $300.

7799 (Humboldt Co.) John E. and James R. Kane, Arcata, for 0.5 c.f.s. from Mad river, tributary to Pacific Ocean, for irrigation and domestic purposes on 40 acres. Est. cost $250.

7800 (Del Norte Co.) Smith River Placer Co., Crescent City, for 30 c.f.s. from two unnamed streams and Goose creek, tributary to south fork Smith River, for mining purposes.

7801 (Trinity Co.) Canyon Placers, Inc., Dedrick, for 2 c.f.s. from Canyon creek, tributary to Trinity river, for power purposes; 68.2 hp. to be developed.

7802 (El Dorado Co.) H. G. Green, Roseville, for 3 c.f.s. from Little Otter Creek, tributary to Middle Fork American river, for mining and domestic purposes. Est. cost, $500.

7803 (Humboldt Co.) Wm. C. Van Fleet, Orelans, for 0.5 c..s. from Dark Gulch, tributary to Klamath river, for irrigation and domestic purposes on 12 acres. Est. cost $2,000.

7804 (Humboldt Co.) Hilda Carlson, Arcata, for 1 c.f.s. from Mad river, tributary to Pacific Ocean, for irrigation purposes on 30 acres. Est. cost, $750.

7805 (Humboldt Co.) Jas. Marshall, Sr., Hoopa, for 0.64 c.f.s. from Hostler creek, tributary to Trinity river, for irrigation purposes on 40 acres.

7806 (Placer Co.) T. H. Rosenberger, Forest Hill, for 25 c.f.s. from Volcano creek, tributary to Middle Fork American river, for mining purposes.

7808 (Los Angeles Co.) U. S. Angeles Na'tl Forest, Los Angeles, for 0.002 c.f.s. from Clear Spring, tributary to Elizabeth Lake Canyon, for fire protection and recreational purposes. Est. cost $180.

7808 (Los Angeles Co.) U. S. Angeles Na'tl Forest, Los Angeles, for 0.003 c.f.s. from Grassy Spring, tributary to San Francisquito Canyon, for fire protection and recreational purposes. Est. cost, $100.

7809 (Trinity Co.) Thos. D. Campbell, 426 Washington Bldg., Los Angeles, for 200 c.f.s. from Trinity river, for mining and domestic purposes. Est. cost, $75,000.

7810 (Santa Barbara Co.) U. S. Santa Barbara National Forest, Santa Barbara, for 580 g.p.d. from a spring tributary to Santa Ynez river, for domestic purposes. Est. cost, $280.

7811 (Inyo Co.) Mrs. Mary Wilshire, Mecca, 400 gals. per day from Bishop Creek, tributary to Owens river, for domestic purposes. Est. cost $42.

7812 (Los Angeles Co.) U. S. Angeles Nat'l Forest, Los Angeles, for 1950 gals. per day from Pigeon spring tributary to Santa Clara river, for fire suppression purposes. Est. cost, $50.

7813 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 3,200 gals. per day from Atmore Meadow spring, tributary to Santa Clara river, for fire suppression and stock watering purposes. Est. cost $100.

7815 (Trinity Co.) Ray J. Barber, Palo Alto, for 95 c.f.s. from Rush

creek, Brown's creek, Union gulch and unnamed tributary, all being tributary to Trinity river, for mining purposes.

7816 (Shasta Co.) Albert Cox, Big Bend, for 0.56 c.f.s. from Nelson creek tributary to Pit river, for irrigation purposes on 45 acres.

7817 (San Bernardino Co.) Milton W. Vale, San Bernardino, for 0.025 c. f. s. from a spring tributary to Waterman Canyon creek, for domestic purposes.

7818 (Butte Co.) Dept. of Natural Resources, Division of Forestry, Sacramento, for 40,000 gals. per day from unnamed spring tributary to Little Chico creek, for domestic and industrial purposes.

7819 (Siskiyou Co.) Dept. of Natural Resources, Division of Forestry, Sacramento, for 40,000 gals. per day from spring tributary to Moffitt creek for domestic and industrial purposes.

7822 (San Diego Co.) Hill & Stevenson, Vista, for 0.5 c.f.s. from Buena Creek, tributary to Pacific Ocean, for domestic and irrigation purposes on 31.3 acres. Est. cost $200.

7823 (Tehama Co.) U. S. Lassen Volcanic National Park, Mineral, for 6.45 c.f.s. from Battle Creek, tributary to Sacramento river, for power purposes. Est. cost $9,280.

7824 (Siskiyou Co.) O. E. Chaney, Reno, for 12 c.f.s. from south fork of Clear creek, tributary to the Klamath river, for mining purposes.

7825 (Siskiyou Co.) Mary J. Lewis, Fort Jones, for 0.62 c.f.s. from Mill Creek, tributary to Shackelford creek, thence Scott river, for irrigation purposes on 30 acres.

7826 (Inyo Co.) J. B. Chase, Darwin, for 0.125 c.f.s. from Cold spring, tributary to Cosco wash. for mining and domestic purposes. Est. cost, $1,000.

7827 (El Dorado Co.) B. W. Stone, San Francisco, for 500 c.f.s. and 125,000 ac. ft. per annum from Rubicon river and other streams tributary to American river, for municipal purposes.

7828 (Del Norte Co.) E. and C. H. McClendon, Crescent City, for 2 c.f.s. from Muslat creek, tributary to south fork Smith river, for mining purposes.

7829 (Sierra Co.) Geo. N. Macrae, San Francisco, for 15 c.f.s. from Saw Mill and Brush creeks, tributary to Oregon creek, for mining purposes.

7830 (Inyo Co.) H. E. Briggs, Box 223, Trona, for 0.25 c.f.s. from Redlands springs, tributary to no stream, for mining and domestic purposes.

7831 (Humboldt Co.) F. B. Barnum, Eureka, for 0.06 c.f.s. from school house creek, tributary to Trinity river. Est. cost $350.

7832 (Trinity Co.) J. W. Charge, Chico, for 5 c.f.s. from west branch of north fork of Swift creek, tributary to Trinity river, for mining and domestic purposes.

7833 (Sierra Co.) H. R. Plate, Grass Valley, for 25 c.f.s. from north fork of south fork of north fork of Yuba river, tributary to Yuba river, for power purposes.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

GOVERNMENT ISLAND, Oakland, Cal.—State Electric & Supply Co., Ltd., 241 10th St., Oakland, at $101.28 submitted low bid to Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing one (1) MOTOR, single phase electric, 220-volt, 60 cycle, 1750 revolutions per minute, 4 poles, 50 degree centigrade rise, 3 h. p. f.o.b. Willows, Calif., under Bid No. 737. Complete bids follow:

State Electric & Supply Co., Ltd., Oakland, $101.28.
Weidenthal Gosliner Electric Works, San Francisco, $103; (B) Alt., $119.56; (B) Alt. $123.03.
Kratz & McClelland, Inc., San Francisco, $109.22.
General Electric Co., Oakland, $115.98.
Sierra Machine Co., Inc., Oakland, $116.52; (E) Ala. $121.97.
Graybar Elec. Co., Oakland, $116.52.
Matson - Seabrooke Co., Oakland, $117.53.
East Bay Elec. Co., Oakland, $120.87.
Fairbanks-Morse & Co., Oakland, $124.14 (I) Ala., $116.52.
T. L. Rosenberg Co., Oakland, $126.30.
Conrad Electric Co., Oakland, $127.28.
Allis-Chalmers Mfg. Co., San Francisco, $128.51.
California Electric Co., Ltd., Oakland, $131.25.

BIDS OPENED

GOVERNMENT ISLAND, Oakland, Cal.—Roberts-Moore Co., 550 5th St., San Francisco, at $5148 submitted low bid to Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 735 4300-amp. 1-arc, gasoline engine driven welded, f.o.b. cars at bidder's shipping point. Complete bids were:

Roberts-Moore Co., S. F.	$5148.00
Welding Engr. Co., S. F.	5409.50
Harron Rickard&McCone, S. F.	5464.40
Jenison Mach. Co., S. F.	5896.80
Weber & Co., S. F.	6370.00
General Elec. Co., Oakland	6392.20
Lincoln Elec. Co., S. F.	6476.60
Air Reduction Sales Co., Oakland	6630.40
Ed. R. Bacon, S. F.	6892.20

CONTRACT AWARDED.

ORANGE, Cal.—W. W. Woods Co., Santa Ana, has been awarded the contract by the Orange High School Board of Trustees for furnishing a Reo chassis for school bus. The United Body Works of Whittier was awarded the contract to furnish a 43-passenger body.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation No. 26005, Req. 1257, for furnishing motor grader, single-drive, dual tire, with rear scarifier attachment, f.o.b San Bernardino, Shop 8, Division of Highways:

Spears Wells Machinery Co., 1839 9th St., Oakland: Spears Wells Big 8 $2887.
Garlinghouse Bros., 2416 E. 16th St., Los Angeles: Welr Model 11-2, $3053.50.
J. D. Adams Co., 230 Utah St., San Francisco: Adams 102, $3179.50; Adams 30, $3329.50.
Smith Booth & Usher, 2001 Santa Fe St., Los Angeles: Galllon E. Z. Lift, $3179.50;
Austin Western Road Machinery Co., 777 E. Gage St., Los Angeles Austin 77, $3329.50.
Crook Co., 2900 Santa Fe St., Los Angeles: Allis-Chalmers, $2984.
Associated Equipment Co., 355 Fremont St., San Francisco: Rome Model 20-I, $3074.

BIDS OPENED.

SACRAMENTO, Cal.—Following bids received by the State Bureau of Purchases, 323 State Capitol, Sacramento under Quotation No. 26001, Req. No. 9071, for furnishing 35-hp. tracklaying type tractor, f.o.b. Fruitvale, Oakland. Bidders are to make allowance on CHC 459 Caterpillar "30" tractor and Isaacson Backfiller CHC No. 25.

The bids were:

Allis-Chalmers, 35 Main St., San Francisco, Model K, $2,736; trade in $1,236; net $1,500. F. M. Grissell Model: $2,748.50, trade in $372.50; net, $1-776.

Robinson Tractor Co., 1175 Howard St., San Francisco, 35 Caterpillar with gasoline engine, $2,649.20; $600; $2,-048.30; 35 Caterpillar with Diesel engine, $3,493.62; $600; $2,893.62.

J. D. Adams, 230 Utah St., San Francisco, McCormick-Deering T-A-40 2,810; $320; $2,490.58.

Sacramento Tractor & Equip. Co., 1736 16th Street, Sacramento, Allis-Chalmers, $2,736; $600; $2,136.

Associated Equip. Co., 355 Fremont St., San Francisco, H-35 $2,750; $600; $2,150.

CONTRACT AWARDED

LOS ANGELES, Cal.—Emsco Derrick & Equipment Co., 6811 S. Alameda St., Los Angeles, at $378 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing steel racks under Bid No. 20153.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by A. J. Holm, Purchasing Agent, Los Angeles, for furnishing and delivering to Water & Power Department (f.o.b. shipping points designated below), hydrogen cooled, outdoor type, synchronous condensers, complete, including tools and spare parts, under Specifications No. 3267:

(A) Westinghouse Elec. & Mfg. Co., (shipping point at East Pittsburgh, Pa.)
(B) General Elec. Co. (shipping point at Schnectady, New York).

Unit items follow:

(1) 3 condensers having capacity of 5000 kvs. leading and 20,000 kva. lagging:
(a) f.o.b. Los Angeles.
(b) f.o.b. cars bidder's shipping point with full freight allowed to Los Angeles.
(c) f.o.b. cars bidder's shipping point.
(2) 4 condensers, same as furnished under item (I) above:
(a), (b) and (c) sub-items same as under item (I) above.
(1-Alt.) 3 condensers having a rating of 50,000 kva. 0% power factor leading and a minimum rating of 30,000 kva. 0% power factor.
(a), (b) and (c) sub-items same as under Item (I), above.
(2-Alt.) 4 condensers same as furnished under Item (1-Alt.), above.
(a), (b) and (c) cub-items same as under Item (I) above.

The bids showing lump sum prices, are:

(a)—(A), no bid; (B), no bid.
(1b)—(A), $690,710; (B) $692,900.
(1-Alt. c)—(A), $693,000; (B) $694,980.
(2a)—(A), no bid; (B), no bid.
(2b)—(A), $917,280; (B) $920,000.
(2c)—(A), $871,000; (B) $873,675.
(1-Alt. a)—(A), no bid; (B), no bid.
(1-Alt. b)—(A), $729,579; (B) $731,600.
(1-Ala. c)—(A), $693,000; (B) $694,980.
(2-Alt. a)—(A), no bid; (B), no bid.
(2-Alt. b)—(A), $698,772; (B) $971,500.
(2-Alt. c)—(A) $920,000; (B) $922,625.

Bidders submitted additional alternates as follows:

Westinghouse Elec. & Mfg. Co., (Alt. A) deduct $845.82 per unit; (Alt. B) deduct $531.96 per unit.
General Electric Co., (Alt. A) deduct $845 per unit; (Alt. B) deduct $530 per unit.

Bid of $25 per day were submitted by each bidder for furnishing engineer to supervise erection of condensers. The bids wre opened February 5.

BIDS OPENED

WASHINGTON, D. C.—The following bids received by the Department of Agriculture, Division of Purchase, Sales & Traffic, Washington, D. C., for furnishing under Proposal 5827:

(1) 11 trailbuilder attachments; (I) f.o.b. works; (2a) 1 f.o.b. Salmon, Ida. (2b) 1 f.o.b. Boise, Ida.; (2c) 1 f.o.b.

St. Anthony, Ida.; (2d) 2 f.o.b. McCall, Ida.; (2e) 1 f.o.b. Gardena, Ida.; (2f) 1 f.o.b. Caliente, Nev.; (2g) 1 f. o. b. Moapa, Nav.; (2h) 1 f.o.b. Salt Lake City; (2i) 1 f.o.b. Thompson, Utah; (2j) 1 f.o.b. Cedar City, Utah.

Niess & Co., Minneapolis, Minn., (1) $1,145 each; (2a) $1,345.75; (2b) $1,-304.95; (2c) $1,296.80 (2d) $1,312.98; (2e) $1,312.48; (2f) $1,329.80; (2g) $1,-335.30; (2h) $1,290.20; (2i) $1,290.20; (2j) $1,323.20; 3%.

Boiler, Tank & Pipe Co., Oakland, (1) $1,100; (2a) to (2j) $1,100; 5%.

International Harvester Co., Washington, (1) $335 each.

Isaacson Iron Works, Seattle, (1) $885; (2a) $1,124.40; (2b) $1,090.40; (2c) $1,083.60; (2d) $1,106.10; (2e) $1,098; (2f) 1,071.60; (2g) $1,071.60; (2h) $1,-048.60; (2i) $1,093.60; (2j) $1,071.60; 2%.

BIDS OPENED.

SACRAMENTO, Cal.—Following bids received by the State Purchasing Agent, 323 State Capitol, Sacramento, under Quotation 26003, Req. No. 327, for furnishing 35-hp. tracklaying type tractor, f.o.b. San Diego, Shop 11. Bids are to allow for trade in on Bates Tractor CHC 504. The following submitted identical bids at $2,766.71; trade in $160; net $2,616.71:

Hulse Anderson Tractor & Equip. Co., El Centro, Caterpillar 35;

Crook Co., 2900 Santa Fe Ave., Los Angeles;

San Diego Tractor & Equip. Co., 701 1st St., San Diego; Caterpillar 35;

J. D. Adams Co., 230 Utah St., San Francisco, McCormick-Deering T-A-40;

Smith, Booth & Usher, 2001 Santa Fe Ave., Los Angeles, Cletrack;

Contractor's Equipment & Machinery Co., 3649 E Gage, Los Angeles, Allis-Chalmers Model K.

San Diego Tractor & Equipment Co. submitted an alternate bid on a Model 35 with diesel engine at $3,452, trade in, $150; net, $3,392.

All bids plus sales tax, less 2%, 30 days.

BIDS OPENED

SAN FRANCISCO—Following bids received by the U. S. Engineer Office, H. A. Finch, District Engineer, 401 Customhouse, San Francisco, for the manufacture and delivery to U. S. Engineer Storehouse, San Francisco, four new power operated and controlled watertight bulkhead doors for the U. S. Seagoing Hopper Dredge "Culebra." Proposal No. 34-27:

American Locomotive Co., Schenectady, New York, 4 hydraulic, $11,-160.

General Engineering & Drydock Co., S. F., 4 electric, $7733.

26— RAILROADS

CONTRACTS AWARDED.

WESTERN STATES.—Southern Pacific Company awarded contracts in the amount of $1,750,000 to the United States Steel, Colorado Fuel & Iron, and the Bethlehem Companies, for furnishing 40,000 tons of heavy rail, to be used for replacing 240 miles of rail at various points on the company's lines west of El Paso and Ogden.

The awards will be divided among the above companies.

30—RESERVOIRS & DAMS

CONTRACT AWARDED.

VALE, Oregon.—Hinman Bros. construction Co., Denver, at $496,286.10 awarded contract by the Bureau of Reclamation, Vale, Ore., under Spec. No. 560, for the construction of the Agency Valley Dam located on the North Fork of the Malheur River, Vale Project, Vale.

31—PIPE LINES & WELLS

AWARD

LOS ANGELES, Cal.—Broderick & Gordon, Denver, Colo., and Mecca, Calif., (D. G. Gordon, 215 S. Bedford Drive, Beverly Hills), at $912,720 awarded contract by Metropolitan Water District, for construction of the East Eagle Mountain Tunnel of the Colorado Aqueduct.

BIDS REJECTED

LOS ANGELES, Cal.—All bids received by the Metropolitan Water District January 30 for the construction of Schedules 7 and 8 of the Coachella Tunnels, of the Colorado Aqueduct, have been rejected. The work will be done by force account. Dravo Contracting Co., Pittsburgh, Pa., (Neville Island Station), and Perris, Calif., (represented by F. C. Richardson, Chief Engineer, Perris), submitted low bids at $1,495,225 on Schedule 7 and at $1,998,560 on Schedule 8. Engineer's estimates are: Schedule 7, $1,325,000; Schedule 8, $1,814,860.

AWARD

SAN CARLOS, Arizona — Roscoe Moss, 4360 Worth St., Los Angeles, at $37,040 (based on an average depth of 200 ft.) awarded contract by the Indian Irrigation Service, for drilling forty-eight 20-inch wells on the San Carlos project.

BIDS OPENED

The following bids received by the Department of Agriculture, Division of Purchase, Sales and Traffic, Washington, D. C., for development of spring and improvement of cistern at Sandberg. Proposal No. 5736, opened January 30:

(1) Development of spring;
(2) Improvement of cistern.

T. L. Madison, Frazier Park, Calif., (1) $200; (2) $100.

Charles B. Fife, Frazier Park, Calif. (1) $190; (2) $84.

Sam Edwards, Frezier Park, Calif., (1) $230; (2) $105.

32—SEWERS & SEWAGE DISPOSAL PLANTS

February 3, 1934

FUNDS APPLIED FOR.

BURLINGAME, San Mateo Co., Cal. The City of Burlingame has applied to the Federal Administration of Public Works for a loan and grant of $146,400 to finance the construction of a sewage disposal plant. The work involves:

2,624 lin. ft. 8-in. vit. clay pipe;
2,667 lin. ft. 12-in. do;
982 lin. ft. 24-in. do;
4,187 lin. ft. 27-in. do;
1,200 lin. ft. 20-in. c. i. force mains;
32 brick maholes, complete;
pumping plant structure;
pumping plant equipment;
Re-lift station and equipment;
12,000 lin. ft. treatment plant piling, clarification and digestion tanks, complete;
control house;
sludge heating equipment and sludge pump;
360,000 cu. yds. general fill and grading;
2,000 ft. 3-in. c. i. water pipe line;
sewage meter;
sludge rdying beds, complete;
roadways, landscaping, fencing;

Cost of materials, $94,070. Cost of labor, $37,330.

Chas. M. Thomas, city engineer. H. N. Jenks, 2701 Benvenue Ave., Berkeley, is the consulting engineer.

32

BOND ELECTION

CARMEL, Monterey Co., Cal.—Carmel Sanitation District, Carmel, has set March 12 as the date for voting on a bond issue of $83,700 to finance the construction of a sewage disposal plant. The District has applied to the Federal Public Works Administration for a grant of $15,700. Clyde C. Kennedy, 74 New Montgomery St., San Francisco, is the Consulting Engineer. Harry F. Dickenson, President of the District.

33— WATERWORKS

BONDS DEFEATED

TAFT, Kern Co., Cal.—An $80,000 bond issue to finance the construction of new fire mains in the City of Taft was defeated January 30 for the second time. The issue failed to carry the necessary majority, the vote being 291 "yes" and 207 "no".

The Public Works Administration has already allotted a loan of $56,000 and a grant of $24,000 to the City contingent upon the voting of the obligation bonds as security.

FUNDS APPLIED FOR

CALAVERAS COUNTY, Cal. — The Calaveras Public Utility District, San Andreas, has applied to the Federal Administration of Public Works for a loan of $210,000 toward the cost of purchasing and reconstruction of the Mokelumne River Power & Water Company's waterworks system, the service to include the towns of San Andreas, Mokelumne Hill and Paloma. The work will involve :

RAILROAD FLAT DAM

300 cu. yds. wet excavation;
1500 cu. yds. dry excavation;
6150 cu. yds. concrete.
Cost, $77,784.

Cleaning and enlarging main canal to Mokelumne Hill, $2800.

6600 lin. ft. metal flume replacement with 18-gauge metal flume (semi-circular, 4.4 ft. diameter), $22,506.

Replace 770 lin. ft. of 30-in., 12-gauge steel welded pipe at Pringle Syphon, $2672.90.

1100 lin. ft. 22-in. 12-gauge, steel welded, dipped pipe at Porcpine syphone, $2630.70.

420 lin. ft. semi-circular metal flume, No. 96, 18-gauge, 5.1 ft. in diam., average height of substructure 20 ft. at Vandel Flume, $2268.

600 lin. ft. 42-in., 12-gauge, steel welded, dipped pipe at Jesue Maria syphon, $3080.

785 lin. ft. 14-in. 12-gauge, steel welded pipe at Pine Peak syphon, $1146.

PINE CREEK RESERVOIR

2000 cu. yds. cleaning;
400 sq. yds. riprap;
Outlet pipe and valves.
Cost, $2000.

San Andreas pipe line, 27,500 lin. ft. 10-in., 12-gauge steel welded pipe, $26,400.

San Andreas reservoir, 7500 cu. yds. earthfill, 16,000 sq. ft. gunite paving, $5075.

San Andreas distributing system, 800 lin. ft. 6-in., 12-gauge, welded steel pipe, $7360.

Calaveras cement plant pipe line, 10,-500 lin. ft. 6-in., 16-gauge steel welded pipe, $4935.

Pine Peak junction flume, 220 lin. ft. metal flume at $959.20.

Mokelumne Hill reservoir, 1000 cu. yds. excavation, outlet pipe and valve, also cleaning, $700.

Mokelumne Hill distributing line extensions, 1200 lin. ft. 6-in., 12-gauge, steel welded pipe, $1104.

Paloma syphon, 1150 lin. ft. 14-in. steel welded pipe, $1564.

Flume House Syphon No. 1, 415 lin. ft. 20-in. steel pipe, $784.35.

Flume House Syphon No. 2, 290 lin. ft. 20-in. welded steel pipe, $548.

Cleaning Paloma Canal, 5 miles long, $750.

Middle fork ditch, cleaning and in-

stalling 100 ft. of flume, $500.

A. C. Norton, 188 Tamalpais Road, Berkeley, and C. W. Landis, Exchange Bldg., San Francisco, are the engineers

FUNDS APPLIED FOR.

NUBIEBER, Lassen Co., Cal.—B. S. Greenwood & Son, Nubieber, has applied to the Federal Administration of Public Works for a loan of $50,000 to finance the construction of a water works system in the townsite of Nubieber. The work will involve:

Reservoir and Pump House

1 corrugated pump house;
1 4-stage No. 1 E. H. deep well pump;
1 14-in. deep well, 250 ft. in depth;
1 conc. reservoir, 100x30 ft., 5 ft. deep.

Pipe Line and Hydrants

6,000 lin. ft. 8-in. galv. pipe, wrapped;
237 8-in. couplers;
2 tees;
1,000 ft. ditching by hand;
5,000 ft. ditching by machine;
4,570 lin. ft. 6-in. pipe;
6 6-in. flanges;
3 6-in. segregation valves;
4 tees;
121 6-in. couplers;
4,570 ft. ditching by machine, 8 days;
6,700 lin. ft. 4-in. 12-gauge pipe, wrapped;
24 4-in. flanged gate valves;
24 4-in. connectors;
8 4-in. blind flanges;
4 4-in. elbows;
12 crosses;
5 4-in. segregation valves;
171 4-in. couplers;
6,700 ft. machine ditching, 11 days;
24 4-in. fire hydrants;
30 bungalows, 20x24 ft. each.

CONTRACT AWARDED.

GLENDALE, Cal.—U. S. Pipe Foundry Co., Los Angeles, was awarded the contract by the Glendale City Council February 1, at $3.25 ft., for furnishing 4000 ft. 16-in. class "250" cast iron pipe. Bids were opened January 25.

BIDS WANTED.

SANTA CLARA, Cal.—Until February 19, at 8 p.m., bids will be received by A. J. Cronin, City Clerk, Santa Clara, Cal., for furnishing cast iron pipe and fittings, as follows:

(1) 1506 l.f. 6-in. cast iron pipe.
(2) 1750 l.f. 4-in. cast iron pipe.
(3) 3 each 6x6x6 Cl. D-bell end tees.
(4) 2 each 6x22½-deg. Cl. D-B. & S. curves
(5) 2 each 6x4 reducers.
(6) 2 each 4-in. plugs.

f.o.b. Santa Clara.

Specifications obtainable from above office. Bids will be opened at 8:15.

CONTRACTS AWARDED.

GLENDALE, Cal. — Contracts for furnishing hub end vertical gate valves were awarded by the Glendale City Council February 1, as follows:

Crane Co., Los Angeles—At $181.82 each for 4 16-in. valves.

Hacker Pipe & Supply Co.—At $274.62 each for 3 20-in. valves.

All bids for 24-in. valves were rejected.

CONTRACT AWARDED

DALY CITY, Cal. — United States Pipe & Foundry Company, Monadnock Bldg., San Francisco, at $4388.40 (item 1 8" CIP) and $516 (4" CIP) (item 2) awarded contract by the Daly City Council for furnishing 4600 lin. ft. 8-in. cast iron water pipe and 1200 lin. ft. 4-in. cast iron water pipe.

Complete bids published Jan. 30.

34—PARKS AND PLAYGROUNDS

BIDS WANTED.

PALO ALTO, Santa Clara Co., Cal.—Until Feb. 19, 2 P. M., bids will be received by the Custodian, Palo Alto post office for seeding and planting the grounds at the that post office.

BIDS WANTED

CHEHALIS, Washington—Until Feb. 15, bids will be received by the Custodian, U. S. Post Office, Chehalis, for seeding and planting the grounds at the Post Office, Chehalis, Wash.

BIDS WANTED

MONTEREY, Calif.—Until February 16, 10 a. m. bids will be received by the Custodian, U. S. Post Office, Monterey for seeding and planting the grounds of the U. S. Post Office, Monterey. Plans and specifications available from above office.

BIDS REJECTED.

BEVERLY HILLS, Cal.—All bids received by the Beverly Hills City Council January 16, for the erection of 480 ft. chain tennis court fence were rejected February 1, and the Park Superintendent was authorized to buy on the open market. B. J. Firminger, City Clerk.

CONTRACT AWARDED

MARTINEZ, Contra Costa Co., Cal.—Chilcott Nursery, at $375 awarded contract by county supervisors for landscaping the grounds around the Hall of Records, Martinez.

BIDS OPENED

LOS ANGELES, Cal.—Identical bids were received by U. S. Forest Service, 751 S. Figueroa St., Los Angeles, February 5, for furnishing fencing under Bid No. D.P.M.-83:

Whiting-Mead, immediate delivery, Los Angeles.

Los Angeles Fence Co., Los Angeles.

Anchor Post & Fence Co., Los Angeles, immediate delivery.

Hammond Lumber Co., Los Angeles

Soule Steel Co., Los Angeles.

Concrete Engineering Co., immediate delivery, Los Angeles.

Pacific Fence Co., Los Angeles.

Keystone Steel & Wire Co., Los Angeles, immediate delivery.

Columbia Steel Co., Los Angeles, immediate delivery.

The bid follows:

(A) Gross delivered price, $7618.48.
(B) Basing point price on which time discount is computed, $7317.74.
(C) Amount of time discount, $36.59.
(D) Net delivered price after deduction of time discount, $7581.81.

Unit items follow:

(1) 25 rolls fencing, Elwood Spec. 1, 26-in., 20 rods each roll, or equal;
(2) 110 rolls fencing, Elwood Spec. I, 34-inch, 20 rods each roll, or equal;
(3) 55 rolls fencing, Elwood Spec. I, 58-inch, 20 rods each roll, or equal.
(4) 75 rolls fencing, Elwood Spec. I, 72-inch, 20 rods each roll, or equal.
(5) 14,800 lbs. wire, No. 12 galv. annealed steel.

29—STREETS AND HIGHWAYS

BIDS WANTED.

WASHINGTON STATE.—Until Feb. 20, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for highway construction as follows:

Walla Walla County

Surfacing with crushed stone and stockpiling crushed stone (oil rock) on about 1.7 miles of State Road No. 3, Section 1, Attalia Revision, and Section 2, undercrossing site N. P. Ry.-Pendleton Branch at Wallula (stockpile site), Unit 1 of Federal Public Works Project No. 3630, in Walla Walla county, involving 9,450 cu. yds. of crushed stone surfacing materials and other items.

Pend Oreille County

Resurface with about 11,450 cu. yds. of crushed stone about 7.7 miles of State Road No. 6, Ione to Metaline Falls, Federal Public Works Project No. 4707, in Pend Oreille County.

Grant County

Surfacing about 3.7 miles of State Road No. 7, Quincy-Soap Lake Revisions, Unit 1 of Federal Public Works Project No. 4168, in Grant County, involving about 9,790 cu. yds. of crushed stone surfacing and other items.

Skamania and Klickitat Counties

Constructing about 44,965 lin. ft. of cable guard rail on State Road No. 8, Cape Horn to Satus Pass, Federal Public Works Project No. 4615.

Plans and specifications obtainable from above office upon deposit of $2.00 for each set.

CONTRACT AWARDED

APACHE COUNTY, Arizona—Leo Frost, Joseph City, Arizona, at $13,595.32 awarded contract by the Bureau of Public Roads, Phoenix, for grading Section B2 of Route 1, Petrified Forest National Mounment, in Apache County. C. H. Sweetser, District Engineer.

RECOMMENDED FOR AWARD

SHASTA COUNTY, Cal.—C. H. Sweetser, District Engineer, U. S. Bureau of Public Roads, 461 Market St., San Francisco, has recommended award to Harold Smith, 1427 Kearny St., St. Helena, at $34,770 (low bidder), for placing crushed rock subgrade reinforcement on 4.488 miles Section A of Route 75, the Manzanita Lake National Forest Highway, Lassen National Forest in Shasta County.

AWARD

SANTA BARBARA COUNTY, Cal.—J. E. Haddock, Ltd., 357 N. Chester Ave., Pasadena, at $198,426 awarded contract by State Highway Commission, Sacramento, for grading and paving with asphalt concrete on a Portland cement concrete base about 2.7 miles between Mission St. and Hollister Ave. in Santa Barbara.

UNDER ADIVSEMENT.

LOS ANGELES COUNTY, Calif.—The Los Angeles County Supervisors rejected all but the three low bids received January 30 for improving Torrance Blvd. from Madrona Ave. in the city of Torrance to South Susana Ave. in the city of Redondo Beach, under Cash Contract No. 459.

C. O. Sparks, 2309 E 9th St., Los Angeles, submitted low bid at $59,568.09. Complete bids published Jan. 30.

AWARD RECOMMENDED

EL DORADO COUNTY, Cal.—S. H. Palmer, 444 Market St., San Francisco, at $139,933.10 recommended by U. S. Bureau of Public Roads, San Francisco, for award for grading Section G of Route 32, El Dorado County.

BIDS WANTED.

WASHOE COUNTY, Nevada—Until February 27, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing bituminous treated surfacing (road mix) on Section A of Route 2, the Mt. Rose National Forest Highway, Tahoe National Forest, Washoe County, involving:

(1) 3000 cu. yds. unclass. excav.;
(2) 5.199 mi. fine grading subgrade and shoulders;
(3) 400 M. gals. watering;
(4) 10,200 cu. yds. crushed gravel for surface course;
(5) 300 cu. yds. supplem. cru. gravel;
(6) 485 tons liquid asph. road material, Type M.C.-2;
(7) 15,250 gals. liquid asph. road material, Type S. C.-1-A;
(8) 5.199 mi. mix and roll bit. treated surface;

(9) 3000 cu. yds. miles haul. unclass. excavation.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

SALINAS, Cal.—W. A. Dontanville, Box 544, Salinas, at $2744.31 awarded contract by the Salinas City Council, for improving Lorimer Street and a portion of Central Avenue under Resolution No. 815 as provided by the Improvement Bond Act of 1915, amended. The contract involves grading, construction of hydraulic cement concrete curbs and paving with hydraulic cement concrete:

Unit items follow:

(1) 18,061 sq. ft. grading;
(2) 17,967 sq. ft. paving 5-in. hydraulic cement concrete;
(3) 1059.5 lin. ft. hydraulic cement concrete curbs.

Complete bids follow:

W. A. Dontanville, Salinas, (1) $.0125; (2) $.175; (3) $.35; total $2744.31.

Granite Constr. Co., Watsonville, (1) $.01; (2) $.18; (3) $.45, total, $3,895.95.

F. E. Heple, City Clerk.

BIDS WANTED

SAN FRANCISCO—Until February 21, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for reconstruction of Stockton Street, from Columbus Ave. to Pacific Ave, involving:

(1) 675 lin. ft. granite curb removed and replaced;
(2) 80 lin. ft. granite curb redressed and reset;
(3) 5 brick catchbasins reconstructed;
(4) 2 brick catchbasins reset or reconstructed;
(5) 2000 sq. ft. basalt block reset;
(6) 2350 sq. ft. one course concrete sidewalk;
(7) 180 tons asph. concrete binder in place;
(8) 29,000 sq. ft. asph. concrete or asphalt wearing surface to be removed to a depth of 1-in. by heating and to be replaced with asphaltic concrete wearing surface, 1-in. in thickness.

Estimated cost $4500. Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

LYON AND CHURCHILL COUNTIES, Nevada—Until February 21, 2:15 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for oiling 18.53 miles in Lyon and Churchill Counties between 9½ miles northeast of Dayton and 12 miles west of Lahontan, and between 2 miles west of Lahontan and Leetville; Route 2A, Sections C1, C3, A and B. The work involves:

(1) 407,504 gal. asph. road material, type SC-2;
(2) 35,529 gal. asph. road material, type MC-2;
(3) 18.53 miles roadmix;
(4) 18.53 miles finishing roadway.

Plans and specifications obtainable from above office upon deposit of $2.50, and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS WANTED

DOUGLAS CO., Nevada.—Until Feb. 21, 3:15 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson, City, for grading and surfacing 3.99 miles in Douglas county between Minden and four miles south. The work involves:

(1) 5,999 cu. yds. rdwy. excav.;
(2) 27,207 sta. yds. overhaul;
(3) 51,956 cu. yds. imported borrow;
(4) 20,384 cu. yds. select borrow;
(5) 250 cu. yds. struc. excav.;
(6) 3.95 miles subgrade;
(7) 13,000 cu. yds. selected material surf.;
(8) 36 cu. yds. Class A concrete;
(9) 70 cu. yds. Class B concrete;
(10) 5,400 lbs. reinf. steel;
(11) 12 each monuments;
(12) 71 MFBM redwood;
(13) 1,860 lin. ft. treated timber piles;
(14) 62 each drive timber piles;
(15) 3.99 miles finish roadway;
(16) 5 MFBM salvaged timber;
(17) 4.20 MFBM untreated Doug. fir.

Plans and specifications obtainable from the above office upon deposit of $2.50 and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS WANTED

LANDER COUNTY, Nevada—Until February 21, 2 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for oiling 15.92 miles of Route 2, Section B, in Lander County, between Campbell Creek Ranch and Railroad Pass. The work involves

(1) 350,299 gal. asph. road material type SC-2;
(2) 25,6689 gal. asph. road material, type MC-2;
(3) 15.92 mi. roadmix;
(4) 15.92 mi. finishing roadway.

Plans and specifications obtainable from the above office upon deposit of $2.50 and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS OPENED.

SEATTLE, Wash. — Following bids were received by W. A. Gaines, Purchasing Agent, 511 County-City Bldg., Seattle, for furnishing 1164 tons steel sheet piling and structural steel, to be used in construction of the Railroad Avenue Project, Seattle:

Pacific Coast Steel Co. (sheet piling) $2.47½; $2.42½ (16-in. beams).

A. M. Castle & Co., (sheet piling) $2.47½; no bid on 16-in. beams.

Columbia Steel Co. (sheet piling) $2.47½; $2.42½ 16-in. beams.

The Pacific Coast Steel Co. and the Columbia Steel Co. each bid $2.27½ on angle steel.

A. M. Castle Co. did not bid on angle steel. Prices per 100 lbs.

BIDS REJECTED.

STEVENS CO., Wash.—All bids received by the Washington State Highway Department, Olympia, for grading and surfacing with crushed stone about 1.4 miles of State Road No. 3, Colville North; U. S. Public Works Projects Nos. NRM 154 and NRH 154-E, in Stevens County, were rejected.

Joslin & McAllister, Spokane at $24-195 submitted low bid. Columbia Power Q Inv. Co., Stevenson, third, at $26.107. D. A. Sullivan & Co. and Matern Bros., Spokane, $28,131.

L. V. Murrow, director of highways.

AWARD.

KING COUNTY, Wash.—Jos. Warter, Sr., Tacoma, at $62,443 (Schedulles A and C) awarded contract by Washington State Highway Department, for paving with Portland cement about 1.7 miles and retopping about 1 mile o fexisting pavement with asphaltic surfacing on State Rd. No. 5 (Peasley Canyon branch) Military Road to Auburn, U. S. Public Works Project No. NRS 196-A, in King County.

Low bidder submitted bid at $63,-185 on (Schedules A and B).

Fiorito Brothers, Seattle, at $65,173 (Schedules A and B) and at $64,679 (Schedules A and C); Goetz & Brennan, Seattle, $66,910 (Schedules A and B) and $66,415 (Schedules A and C).

CONTRACT AWARDED

WAHKIAKUM COUNTY, Wash.—Newport Construction Co., Governor Bldg., Portland, Oregon, at 27,073 awarded contract by Washington State Highway Dept., Olympia, Wash., for surfacing with about 15,280 cubic yards of crushed stone 7.9 miles of State Road No. 12, Cathlamet to Skamokawa, in Wahkiakum County.

A. A. Hardesty, Portland, Oregon, at $27,199 second low bidder; third, R. O. Dail, Aberdeen, at $29,089.

AWARD.

LOS ANGELES, Cal.—H. E. Cox & Son, 303 Slavin Bldg., Pasadena, at $23,554.67 awarded contract by the Los Angeles Board of Public Works for grading and paving and otherwise improving Van Nuys Blvd. between Chandler Blvd. and Ventura Blvd., under cash contract.

Bids were opened January 10.

CONTRACT AWARDED

PACIFIC COUNTY, Wash. — H. R. Brumback, Illwoca, Wash., at $24,200 awarded contract by the Washington State Highway Department, Olympia, for construction of a treated pile and timber trestle 287-ft. long over Teal Slough and a treated pile and timber trestle 534-ft. long over Greenhead Slough on State Road No. 12, Pacific County.

AWARD.

SNOHOMISH COUNTY, Wash.—E. J. Templeton & Co., Everett, at $52,-007 for Schedules A and C awarded contract by Washington State Highway Department for widening with Portland cement concrete and/or retopping the existing pavement with an asphaltic surface on about 1.3 mi. of State Road No. 1, Rucker Ave., in Everett; U. S. Public Works Project No. NRM 119-A, in Snohomish Co.

E. J. Templeton & Co. submitted bid on Schedules A and B at $51,824.

Goetz & Brennan, Seattle, second low bidder at $58,788 on Schedules A and B and at the same for Schedules A and C. Erickson Paving Co., Seattle, at $61,183 for Schedules A and B and at $61,367 for Schedules A and C.

AWARD.

THURSTON COUNTY, Wash.—Jos. Watrer, Sr., Tacoma, at $60,455 for Schedules A and C and Forbes and Wilder, Olympia, at $68,584 for Schedules A and B awarded contract by the Washington State Highway Department for paving with Portland cement concrete and/or retopping with an asphaltic surface about 2.2 miles of State Roads Nos. 1 and 9, Fourth Ave. East, Fourth Ave. West, Olympic Way, Harrison St. and Capitol Way in Olympia; U. S. Public Works Project No. NRM 200-A, in Thurston County.

Goetz & Brennan, Seattle, submitted bid on Schedules A and C at $63,-138; nob di on A and B. J. B. Corello, Seattle, at $66,936 on A and C, with no bid on A and B.

BIDS WANTED.

HAMILTON FIELD, Marin Co., Cal. —Until February 10, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of sidewalks and driveways at Hamilton Field. Plans and specifications available from the above office upon deposit of $5. A copy of plans and specifications may be seen at the Builders' Exchange, 666 Mission St., San Francisco, or at the office of the Constructing Quartermaster, Fort Mason.

BIDS OPENED.

BEVERLY HILLS, Los Angeles Co., Cal.—Southwest Paving Co., Lankershim Bldg., Los Angeles, at $6,570.44 submitted low bid to the Beverly Hills city council February 1 for resurfacing Camden Drive bet. Santa Monica Blvd. and Benedict Canyon Drive, involving 2372 tons asphalt concrete topping fine mix.

Unit bids follow:

Southwest Paving Co., Los Angeles, $2.77 per ton.

G. R. Curtis Paving Co., Los Angeles, $2.84 per ton.

O'Neal & Son, Los Angeles, $3.05.

Mundo Engr. Co., Los Angeles, $3.12.

Griffith Co., Los Angeles, $3.37.

B. J. Firminger, city clerk.

BIDS WANTED.

ARIZONA STATE.—Until Feb. 21, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on NRM 97-D, the Mesa - Casa Grande Highway. The work, all of which is located inside the city limits of Chandler, consists of the widening of existing pavement with Portland cement concrete, the construction of concrete curbs, gutters, sidewalks, part circle culverts and other incidental work and is to be completed on or before May 31. The principal items are:

(1) 9,500 sq. yds. grading;
(2) 9,500 sq. yds. concrete pave.;
(3) 530 lin. ft. single curb;
(4) 630 sq. ft. gutter;
(5) 1,100 sq. ft. sidewalk;
(6) 315 lin. ft. part circle CMP (3 different sizes);
(7) 31 cu. yds. concrete;
(8) 450 lbs. reinforcing steel.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. An appropriation of $30,000 has been made for the construction of the project.

AWARD RECOMMENDED.

TRINITY CO., Cal.—C. H. Sweetser District Engineer, U. S. Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, has recommended award to Harms Bros., 5220 21st St., Sacramento, at $40,076.90 (low bidder) for grading Section E of Route 5, Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County.

BIDS WANTED.

OREGON STATE.—Until Feb. 15, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium 3rd floor, Public Service Bldg., Portland, for highway construction as follows:

Baker County

Baker Rock Production Project on the Old Oregon Trail (State project). Furnishing approximately 3,400 cubic yards crushed gravel in stockpiles.

Coos County

Coquille Section of Oregon Coast Highway, National Recovery Project No. NRM 111-B, requiring approximately 1,200 sq. yds. Portland cement concrete pavement and 100 tons asphaltic concrete pavement.

Coos County

Marshfield Section of Oregon Coast Highway, National Recovery Project No. NRM 141D, requiring approx. (1) 13,500 sq. yds. of asphaltic concrete pavement resurface and (2) 150 sq. yds. Portland cement concrete pavement.

Deschutes County

Bend Section of The Dalles-California and Central Oregon Highways, National Recovery Projects Nos. NRM 123-D and NRM 147-E, involving approximately 24,500 sq. yds. asphaltic concrete pavement resurface.

Josephine County

California Line - Hayes Hill Rock Production Project on the Redwood Highway (State Project) involving approximately 6,000 cu. yds. of crushed gravel in stockpiles.

Klamath County

North Unit, Midland-California line section of Klamath Falls-Weed Highway, National Recovery Project No. NRH 205-B, 1.9 miles grading, involving approximately: (1) 18,900 cu. yds. excavation; (2) 17,500 cu. yds. roadbed topping.

Klamath County

Midland-Callfornia Line Section of Klamath Falls - Weed Highway, National Recovery Projects Nos. NRH 205-A and NRH 205-B, 9.12 miles surfacing and penetration type bituminous macadam; also involving approx. 2500 cu. yds. crushed rock in stockpiles.

Lane County

Springfield Section of the McKenzie Highway, National Recovery Project No. NRM 117-B, pavement widening and resurfacing, involving approx. 3,600 sq. yds. asphaltic concrete pave.

Malheur County

Ontario Rock Production Project on Old Oregon Trail (State Project) involving approximately 6,000 cu. yds. crushed gravel in stockpiles.

Morrow County

Heppner Rock Production Project on the Oregon-Washington Highway (State Project) involving 3,100 cubic yards crushed rock in stockpiles.

Multnomah County

North Unit, Portland - Milwaukie Section of East Portland-Oregon City Highway, National Recovery Projects Nos. NRM 168-D and NRH 168-E, 1.97 miles grading and paving, involving:

(1) 72,200 cu. yds. embankment;
(2) 23,300 lin. ft. conc. curb;
(3) 1,900 sq. yds. conc. sidewalk;
(4) 2,600 sq. yds. 6-in. Port. cement concrete pavement;
(5) 45,300 sq. yds. 7-in. Port. cement concrete pavement;
(6) 8,700 sq. yds. asphalt conc. pave.;
(7) 1,100 sq. yds. rock surfacing;
(8) 18,000 sq. yds. rock shoulders.

Tillamook County

Wheeler-Kilchis River Rock Production Project on Oregon Coast Highway (State Project) involving approximately 6,000 cu. yds. crushed rock in stockpiles.

Umatilla County

East Pendleton Section of Old Oregon Trail, National Recovery Project No. NRM 38-B, involving approx. 7,200 sq. yds. penetration type bituminous macadam. Bid for this project may be submitted in combination with La Grande bituminous macadam project as follows:

Union County

La Grande Rock Section of Old Oregon Trail, National Recovery Project No. NRM 80-B, involving approx. 3,200 sq. yds. penetration type macadam. Bid for this project may be submitted in combination with East Pendleton bituminous macadam project as follows:

Umatilla County

Pendleton Rock Production Project on Oregon-Washington Highway and Old Oregon Trail, (State Project) involving approx. 4,200 cu. yds. crushed rock in stockpiles.

Union County

La Grande Rock Production Project on Old Oregon Trail and Wallowa Lake Highway (State Project) involving approximately 5,150 cu. yds. of crushed gravel in stockpiles.

R. H. Baldock, State Highway Engineer. Plans and specifications obtainable from the office of the State Highway Commission, Room 322 State Office Bldg., Salem, upon deposit of $5.00 for each set.

AWARD.

KING CO., Wash.—Moceri Brothers, Seattle, at $95,599 for Schedule B awarded contract by the Washington State Highway Department for paving with Portland cement concrete about 1.5 miles of State Road No. 1, 4th Avenue south, in Seattle; Unit 2 of U. S. Public Works Project No. NRM 150-D, in King County. Low bidder submitted bid on Schedule A at $99,289.

N. Fiorito, Seattle, second low bidder at $99,118 for Schedule A and at $96,236 for Schedule B. Northwest Const. Co., Seattle, at $100,724 for Schedule A and $97,842 for Schedule B.

L. V. Murrow, director of highways.

BIDS WANTED

DOUGLAS, Ormsby & Washoe Cos., Nev.—Until February 27, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing decomposed granite surfacing on Section A and bituminous surface treatment (road mix) on Sections A, B, C and D of Route 1, the Lake Tahoe National Forest Highway, and bituminous surface treatment (road mix) on Sections C, D and E of Route 3, the Glenbrook National Forest Highway, Tahoe National Forest, Douglas, Ormsby and Washoe counties, involving:

(1) 130 cu. yds. unclass. excavation, structures;
(2) 10,116 fine grading subgrade and shoulders;
(3) 18,000 cu. yds. decomposed granite surface;
(4) 382 lin. ft. 8-in. perf. corru. metal pipe in place;
(5) 200 lin. ft. placing Government furnished perf. corru. metal pipe;
(6) 110 cu. yds. crushed rock or gravel for backfill;
(7) 2,920 tons liquid asph. road material;
(8) 25.325 miles mix and roll bit. treated material.

Plans and specifications obtainable from above office upon a deposit of $10.00.

BID HELD UNDER ADISEMENT.

LOS ANGELES COUNTY, Calif. — The Los Angeles County Supervisors rejected all but the low bid submitted by C. O. Sparks, 2309 E 9th St., Los Angeles, at $59,658.09, for improving Torrance Blvd. from Madrona Ave. in the City of Torrance, to S. Susana Ave. in Redondo Beach, under Cash Contract No. 459.

BID HELD UNDER ADISEMENT.

LOS ANGELES COUNTY, Calif. — The Los Angeles County Supervisors rejected all but the low bid submitted by Koopman Wright Co., 4735 E 52nd Drive, Los Angeles, at $20,795.23 for improving Citrus Ave. from 100 ft. north of the south boundary of the city of Covina under Cash Contract No. 462.

Geo. W. Jones, county road commissioner.

BIDS WANTED.

TILLAMOOK COUNTY, Oregon. — Until February 16, 10 a.m., bids will be received by the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, Oregon, for constructing and improving the McMinnville-Tillamook Reconstruction Project NR-1-A1, B National Forest Road Project, located within the Siuslaw National Forest, Tillamook County. The length of project is approximately 4,4117 miles, involving:

(2) 18 acres grubbing;
(3) 153,800 cu. yds. unclass. excav.;
(4) 230,000 sta. yds. overhaul;
(5) 1,500 M. Gal. watering;
(6) 50 each danger. trees and snags;
(7) 3,000 c. y. mi. cushion haul;
(8) 1 only log stringer span;
(9) 600 sq. ft. crib face;
(10) 50 cu. yd. Cl. A Concrete;
(11) 10,000 lin. ft. Fl. and rounding Cut Slopes;
(12) 1,240 l.f. culverts;
(13) 1,000 cu. yd. loose riprap;
(14) 690 l.f. remove and reinstall reinf. Conc. pipe;
(15) All Lump—removal and disposal of old bridges;
(16) 26,000 cu. yd. subgr. reinf.;
(17) 50,000 cu. yd. mi. haul subgr. reinf.;
(18) 6,000 cu. yd. salv. surf.
(19) All required—old road obliteration.

Plans and specifications obtainable from above office upon a deposit of $10.00.

BIDS WANTED

WASHOE COUNTY, Nevada.—Until Feb. 21, 2:30 P. M., bids will be received by Directors of the Department of Highways. S. C. Durkee, State Highway Director, Carson City, for reconstructing 13.31 miles of Rt. 1, Sections C2, C3, D1 and D2, between Clark and Wadsworth, in Washoe county, involving:

(1) 169,000 cu. yds. rdwy. excav.;
(2) 293,109 yd. sta. overhaul;
(3) 14,474 cu. yds. select. borrow;
(4) 1,360 cu. yds. struc. excav.;
(5) 13.26 miles subgrade;
(6) 13.26 miles shoulders;
(7) 38,620 cu. yds. crushed gravel or stone subbase;
(8) 41,890 tons plant mix crushed gravel or stone base;
(9) 24,005 tons plant mix asph. surf.;
(10) 19,452 gals. asph. road material, type MC-2;
(11) 41,200 gals. do type SC-1;
(12) 57,260 gals. do, type SC-1A;
(13) 4,006 M. gals. water;
(14) 44 each move pipe culvert headwalls;
(15) 14 each remove do;
(16) 328 cu. yds. Class A concrete;
(17) 42 cu. yds. Class B concrete;
(18) 33,950 lbs. reinf. steel;
(19) 14 lin. ft. 15-in. CMP;
(20) 940 lin. ft. 18-in. CMP;
(21) 232 lin. ft. 24-in. CMP;
(22) 236 lin. ft. 30-in. CMP;
(23) 190 lin. ft. 36-in. CMP;
(24) 270 lin. ft. remove culvert pipe;
(25) 102 lin. ft. relay culvert pipe;
(26) 290 cu. yds. cement rubble masonry;
(27) 22 cu. yds. handlaid riprap, grout
(28) 65 cu. yds. hand-placed fill;
(29) 1 remove stone culvert;
(30) 12 cu. yds. remove concrete;
(31) 232 each monuments;
(32) 2.2 miles traffic stripe;
(33) 2,900 lbs. castings;
(34) lump sum, remove buildings;
(35) 4,920 lin. ft. remove fence;
(36) 3,749 lin. ft. reconstruct fence;
(37) 1,171 lin. ft. construct fence;
(38) 13.31 miles finish roadway.

Plans and specifications obtainable from above office upon a deposit of $5.00 ($2.50 returnable). Plans are also on file at the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

COMPLETE BIDS

COLTON, Sa.. Bernardino Co., Cal. —As previously reported, the following submitted low bids to the Colton City Council, for construction of water supply system and pump station improvements under the recent Federal Public Works allotment of $93,000 to the City of Colton:

Southern Pipe & Casing Co., Bonita Ave., Azusa, low hidder on Pipe Lines, at $39,999.75.

John M. Gardiner, 4006 4th St., Riverside, low bidder on reinforced concrete reservoir at $32,000.

W. J. Tobin, 3701 Balfour Ave., Oakland, low bidder on drilling of two wells, Nos. 8 and 7, at $6300 and $4500, respectively.

Six firms submitted identical total bids on (item 4) for constructing pump houses, derricks and pumping equipment. The total for each was $14,363.25.

According to the engineer, the total of the low bids exceeded the PWA grant, after deducting engineering and administration. The engineer recommended that the bids for the pumps be rejected.

The bid of John Gardiner on the reservoir contained a bond in lieu of the required certified check. If rejected by the PWA state engineer, the low bidder would be Meyers Bros. of Los Angeles.

Complete bids follow on ITEM I:

PIPE LINES

(A) Southern Pipe & Casing Co., Azusa, $39,999.75.
(B) American Pipe & Steel Co., Los Angeles, $41,589.02.
(C) John M. Gardiner, Riverside, $45,008.75.
(D) W. J. Tobin, Oakland, $46,440.27.

Unit prices follow:

(1) All steel pipe and valves, except valves in booster pump station, and cast iron pipe for trenching, laying, jointing, backfilling and connecting to existing mains:
(a) 28,693 ft. 6-in. steel pipe;
(b) 8580 ft. 8-in. steel pipe;
(c) 10,519 ft. 10-in. steel pipe;
(d) 308 ft. 12-in. steel pipe;
(e) 2 4-in. gate valves;
(f) 31 5-in. gate valves;
(g) 15 8-in. gate valves;
(h) 15 10-in. gate valves;
(i) 2 12-in. gate valves;
(j) 45 hydrants, complete with runs risers and secondary valves;
(k) 2 10-in. check valves; (also total item (4), sum;
(l) 700 corporation cocks, installed, each.

	(A)	(B)	(C)	(D)
(1-a).....	$ .56	$ .63	$ .75	$ .76
(1-b).....	.845	.84	.85	.91
(1-c).....	.981	.905	1.00	1.05
(1-d).....	1.28	2.08	1.20	1.13
(1-e).....	18.00	19.38	15.00	15.00
(1-f).....	25.00	25.26	20.00	21.50
(1-g).....	44.00	43.46	27.00	42.50
(1-h).....	64.00	62.50	38.00	64.50
(1-i).....	78.00	77.06	60.00	81.00
(1-j).....	40.50	50.33	30.00	32.50
(1-k).....	100.00	102.25	75.00	125.00
(1-l).....	1.89	1.61	2.00	1.50

Complete bids follow on ITEM II:

RESERVOIR

(2) Reinforced concrete reservior, construction, complete.
(A) John M. Gardiner, Riverside, $32,000.
(B) Meyers Bros., Los Angeles, $43,450
(C) Harry Friedman, Los Angeles, $43,930.90.
(D) W. J. Tobin, Oakland, $46,950.
(E) R. R. Bishop, Long Beach, $49,700.

Complete bids follow on ITEM III:

DRILLING AND CASING WELLS

(A) W. J. Tobin, Oakland, Well No. 8, $6300; Well No. 7, $4500; Total, $10,800.
(B) J. A. Magill, Colton, Well No. 8, $6729; Well No. 7, $4820; Total, $11,549.
(C) W. A. Rice, Riverside, Well No. 8, $6832; Well No. 7, $4893; Total, $11,725.
(D) J. W. Smith, San Bernardino, Well No. 8, $6832; Well No. 7, $4893 Total, $11,725.
(E) Roscoe Moss Co., Los Angeles, Well No. 8, $6832; Well No. 7, $4893; Total, $11,725.
(F) Geo. C. Paonessa, Los Angeles, Well No. 8, $6877; Well No. 7, $4850; Total, $11,728.

Unit items follow:

(3) Furnishing of casing and drilling of 2 wells as shown on plans:
(a) Well No. 8, 1st 100 ft. depth, per ft.;
(b) Well No. 8, 2nd 100 ft. depth, per ft.;
(c) Well No. 8, 3rd 100 ft. depth, per ft.;
(d) Well No 8, 4th 100 ft. depth, per ft.;
(e) Well No. 8, 5th 100 ft. depth, per ft.;
(f) Well No. 8, 6th 100 ft. depth, per ft.;
(g) Well No. 8, 7th 100 ft. depth, per ft.;
(h) Well No. 7, 1st 100 ft. depth, per ft.;
(i) Well No. 7, 2nd 100 ft. depth per ft.;
(j) Well No. 7, 3rd 100 ft. depth, per ft.;
(k) Well No. 7, 4th 100 ft. depth, per ft.;
(l) Well No. 7, 5th 100 ft. depth, per ft.;

Unit prices follow:

WELL NO. 8

	(A)	(B)	(C)	(D)	(E)	(F)
(3a).....	$14.00	$ 9.47	$14.44	$14.44	$14.44	$14.9528
(b).....	8.00	9.47	8.81	8.81	8.81	8.804
(c).....	8.00	9.47	8.81	8.81	8.81	8.804
(d).....	8.00	9.47	8.81	8.81	8.81	8.804
(e).....	8.00	9.47	8.81	8.81	8.81	8.804
(f).....	8.00	9.97	9.32	9.32	9.32	9.304
(g).....	9.00	9.97	9.32	9.32	9.32	9.304

WELL NO. 7

	(A)	(B)	(C)	(D)	(E)	(F)
(h).....	$12.00	$ 9.64	$13.69	$13.69	$13.69	$13.3928
(i).....	8.00	9.64	8.81	8.81	8.81	8.804
(j).....	8.00	9.64	8.81	8.81	8.81	8.804
(k).....	8.00	9.64	8.81	8.81	8.81	8.804
(l).....	9.00	9.64	8.81	8.81	8.81	8.804

Complete bids follow on ITEM IV:

(A) Pacific Pump Works, Los Angeles, (4a), $6815.93; (4b) $4782.15; (4c) $2765.25; Total, $14,363.25.
(B) Pomona Pump Co., Pomona, (4a) $6815.93; (4b) $4787.15; (4c) $2,760.17; Total, $14,363.25.
(C) Layne & Bowler Corp., Los Angeles, (4a) $6815.93; (b) $4787.15; (4c) $2760.17; Total, $14,363.25.
(D) Peerless Pump Co., Los Angeles, (4a) $6815.93; (4b) $4787.15; (4c) $2760.17; Total, $14,363.25.
(E) Byron Jackson Co., Los Angeles, (4a) $6815.93; (4b) $4787.15; (4c) $2760.17; Total, $14,363.25.
(F) Victor Equipment Co., Kimball-Krogh Pump Co., Los Angeles, (4a) $6815.93; (b) $4787.15; (4c) $2760.17; Total, $14,363.25.

Unit items follow:

(4) Pumping equipment and construction of pump house and derricks:
(a) Pump and house complete for Well No. 8, lump sum;
(b) Pump and house complete for Well No. 7, lump sum;
(c) Pump, cast iron piping, valves, and house for booster pump station, lump sum.

All bids were taken under advisement until an adjourned meeting of the council February 8. Currie Engineering Co., 219 Anderson Block, San Bernardino, Engineer.

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UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

MADERA COUNTY — GRADING 4.2 MI. — (GOVT.)

MADERA CO., Cal.—Hemstreet and Bell, 501 11th St., P. O. Box 215, Marysville, at $106,488.80 submitted the low bid to U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section A of Route 74, Northfork National Forest Highway, Sierra National Forest Highway, Sierra National Forest in Madera County.

Complete bids follow:

(A) Hemstreet and Bell, Marysville, $106,488.80.
(B) Larsen Bros., Sacramento, $109,-344.70.
(C) Fredrickson & Watson Const. Co., Oakland, $117,662.20.
(D) A. Teichert & Son, Sacramento, $122,332.80.
(E) M. J. Bevanda, Stockton, $127,-786.30.
(F) S. H. Palmer, San Francisco, $129-603.20.
(G) Gist & Bell, Arcadia, $137,456.40.
(H) Isbell Const. Co., Carson City, Nev., $140,957.55.
(I) Contoules Const. Co., San Francisco, $148,277.20.
(J) Morrison-Knudsen Co., Los Angeles, $155,550.60.
(K) Heafey-Moore Co., Oakland, $159-370.40.
(L) Engineer's estimate, $138,503.00.

Unit items follow:

(1) 248,000 cu. yds. unclass. excav.;
(2) 2,000 cu. yds. unclassified excav., struc.;
(3) 105,000 sta. yds. overhaul;
(4) 4.288 miles finish earth graded road;
(5) 2.9 MFBM untreated timber in place;
(6) 755 cu. yds. Class A concrete;
(7) 66 cu. yds. Class B concrete;
(8) 67,300 lbs. reinf. steel;
(9) 360 lin. ft. 8-in. asph. dipped C G M P;
(10) 140 lin. ft. 12-in. do;
(11) 468 lin. ft. 18-in. do 16-gauge;
(12) 2,514 lin. ft. 24-in. do, 14-gauge;
(13) 112 lin. ft. 30-in. do;
(14) 64 lin. ft. 30-in. do, 12-gauge;
(15) 15,000 lbs. struc. steel;
(16) 180 cu. yds. handlaid riprap;
(17) 13 each type A spillway inlets;
(18) 4 each type B do;
(19) 44 each right of way monuments;
(20) 1,000 lin. ft. remove and reset fence;
(21) extra work, additional clearing.

Award to low bidder recommended.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)	$ .26	$ .28	$ .33	$ .33	$ .34	$ .36	$ .36	$ .38	$ .41	$ .47	$ .465	$ .40
(2)	1.50	1.00	1.25	1.50	1.75	1.25	1.75	2.00	1.50	2.00	2.25	1.50
(3)	.01	.01	.01	.01	.02	.01	.02	.02	.01	.01	.01	.01
(4)	250.00	200.00	250.00	300.00	200.00	250.00	300.00	400.00	400.00	300.00	300.00	300.00
(5)	110.00	80.00	50.00	70.00	100.00	90.00	50.00	110.00	80.00	70.00	100.00	80.00
(6)	27.00	26.00	20.00	24.00	25.00	23.00	32.00	27.00	32.00	22.00	25.50	24.00
(7)	25.00	26.00	20.00	24.00	24.00	22.00	31.00	27.00	32.00	22.00	24.50	22.00
(8)	.05	.06	.05	.05	.06	.06	.06	.06	.05	.06	.055	.05
(9)	1.00	1.00	.90	.80	1.10	1.10	1.00	1.25	1.00	.95	1.00	1.00
(10)	1.30	1.25	1.30	1.00	1.75	1.40	1.50	1.50	1.50	1.40	1.50	1.25
(11)	1.80	1.50	2.00	1.80	1.90	1.90	2.00	2.00	2.00	2.00	2.00	1.90
(12)	2.60	2.75	2.80	3.00	2.75	3.00	2.50	2.75	2.50	2.50	3.00	2.55
(13)	3.50	3.30	3.50	3.25	3.75	3.50	3.50	3.50	3.00	3.75	4.00	3.10
(14)	4.50	3.50	4.50	4.00	4.00	4.50	4.00	4.25	3.50	4.80	5.00	4.20
(15)	.08	.06	.07	.08	.09	.10	.07	.12	.08	.06	.075	.07
(16)	4.00	1.00	2.50	3.00	6.00	4.00	4.00	4.00	4.00	2.00	4.00	4.00
(17)	15.00	15.00	15.00	20.00	20.00	20.00	20.00	20.00	20.00	11.00	20.00	15.00
(18)	30.00	20.00	26.00	30.00	20.00	30.00	30.00	30.00	25.00	20.00	25.00	20.00
(19)	3.00	3.00	2.50	3.00	3.00	3.00	3.00	3.50	3.00	3.00	3.00	3.00
(20)	.10	.05	.10	.10	.10	.05	.08	.05	.10	.15	.10	.07
(21)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

BIDS OPENED

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $168,587.25 submitted low bid to State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 15.4 miles between Williams Ranch and Summit, in Los Angeles County, involving:

(1) 811 sta. clear and grub right of way;
(2) 105,000 cu. yds. rdwy. excav., unclassified;
(3) 675,000 sta. yds. overhaul;
(4) 7,000 cu. yds. imported borrow;
(5) 3,000 cu. yds. struc. excav.;
(6) 31,000 sq. yds. subgrade for pave.
(7) 27,500 sq. yds. asph. paint binder
(8) 22,000 tons asphalt concrete;
(9) 6,870 bbls. heavy fuel oil;
(10) 15.4 miles prepare, mix & shape shoulders;
(11) 365 cu. yds. Class A Port. cem. conc. struc.;
(12) 33,500 lbs. bar. reinf. steel struc.;
(13) 336 lin. ft. 24-in. CMP;
(14) 90 lin. ft. 36-in. CMP;
(15) 750 cu. yds. remove from existing pave. and struc.;
(16) 1,965 M. gals. water;
(17) 28 each culvert markers;
(18) 811 sta. finish rdwy.;
(19) 120 each monuments complete in place.

Complete bids follow:

(A) Griffith Co., Los Angeles, $168,-587.25.
(B) Oswald Bros., Los Angeles, $174,-229.15.
(C) Gibbons & Reed Co., Burbank, $179,799.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 3.00	$ 7.00	$ 3.00
(2)	.35	.30	.36
(3)	.005	.005	.005
(4)	.50	.90	.50
(5)	.70	.75	1.00
(6)	.11	.10	.10
(7)	.03	.04	.02
(8)	3.74	3.98	4.20
(9)	1.45	1.40	1.40
(10)	375.00	400.00	400.00
(11)	20.00	18.00	20.00
(12)	.04	.04	.045
(13)	2.75	2.90	.50
(14)	5.00	4.50	1.00
(15)	1.50	1.10	3.00
(16)	1.75	.75	1.50
(17)	2.00	3.00	2.00
(18)	4.00	7.00	4.00
(19)	2.50	2.00	2.50

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COMPLETE BIDS

BONNEVILLE, Ore.—As previously reported, Guy F. Atkinson, Russ Bldg., San Francisco, at $1,173,390 submitted low bid to the U. S. Engineer Office, Major C. F. Williams, District Engineer, 306 Customhouse, Portland, Feb. 1, under Bid No. 34-408, for the construction and maintenance of earth fill cofferdams, a cofferdam sluiceway, a railroad grade crossing, the grading and surfacing of about ¼ mi. of roadway and the excavation and disposal of about 825,000 cu. yds. of material from the site of the Bonneville powerhouse and navigation lock.

Complete bids follow:

(A) Guy F. Atkinson Co., San Francisco, $1,173,390.
(B) General Const. Co., 3840 Iowa St., Seattle, $1,203,910.
(C) Utah Const. Co., Morrison-Knudson Co. and MacDonald & Kahn Co., 1 Montgomery St., San Francisco, $1,387,580.
(D) A. Guthrie & Co., Inc., & Guthrie-McDougall Co., Portland, $1,-479,000.

Unit quantities follow:

(1) clear and grub 20 acres;
(2) 275,000 cu. yds. common excav.; (powerhouse);
(3) 300,000 cu. yds. do;
(4) 3600 cu. yds. common excav. (lock excavation, Area A);
(5) 26,000 cu. yds. rock do;
(6) 10,000 cu. yds. common excav., (lock excav., Area B);
(7) 70,000 cu. yds. rock do;
(8) 39,000 cu. yds. common excav., (lock excav., Area C);
(9) 33,000 cu. yds. rock do;
(10) 8000 cu. yds. cofferdam trench excavation;
(11) 2,000,000 sta. yds. overhaul;
(12) 55,000 cu. yds. impervious fill;
(13) 95,000 cu. yds. cofferdam fill;
(14) 85,000 cu. yds. borrow;
(15) 850,000 ac. ft. pumping;
(16) 13 stations roadway grading;
(17) 19 sta. 2-course macadam;
(18) cofferdam sluiceway, grade crossing;
(19) 180 lin. ft. 18-in. culvert pipe, valve and pier;
(20) 180 lin. ft. 36-in. do.

Unit prices were:

(Continued Next Page)

	(A)	(B)	(C)	(D)
(1)	$ 300.00	$ 450.00	$ 300.00	$ 300.00
(2)	.65	.70	.70	1.00
(3)	1.65	1.75	2.00	1.90
(4)	.75	.70	1.00	.75
(5)	2.30	1.75	2.80	3.00
(6)	.50	.70	1.00	.75
(7)	2.00	1.75	2.40	2.30
(8)	.75	.70	.70	.67
(9)	1.50	1.75	2.20	2.30
(10)	3.00	2.00	1.50	2.00
(11)	.002	.02	.01	.015
(12)	.25	.25	.40	.20
(13)	.20	.25	.40	.15
(14)	.40	.50	.55	.60
(15)	.12	.08	.10	.17
(16)	200.00	200.00	180.00	300.00
(17)	100.00	200.00	250.00	150.00
(18)	5,000.00	3,000.00	2,500.00	1,950.00
(19)	3.00	4.00	4.00	4.00
(20)	5.00	6.00	6.00	5.00

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BIDS OPENED

LOS ANGELES COUNTY, Cal.—Oswald Bros., 366 E 58th St., Los Angeles, at $63,923.50 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about .08 mile in Los Angeles between Alameda St. and the east boundary of the City of Los Angeles.

Complete bids follow:
(A) Oswald Bros., Los Angeles, $63,-923.50.
(B) Griffith Co., Los Angeles, $66,-672.00.
(C) Sully-Miller Contracting Co., Long Beach, $79,604.50.

Unit quantities were:

(1) 42 sta. clear and grub right of way;
(2) 5,500 cu. yds. rdwy. excav., unclass.;
(3) 11.000 sta. yds. overhaul;
(4) 72,000 cu. yds. imported borrow;
(5) 15,500 sq. yds. subgrade for pave.
(6) 3,300 sq. yds. asph. paint binder;
(7) 7,400 tons asph. conc.;
(8) 900 cu. yds. Class A Port. cem. conc. curbs, gutters, sidewalks and driveways;
(9) 20 lin. ft. 8-in. CMP;
(10) 200 lin. ft. 12-in. CMP;
(11) 160 lin. ft. 18-in. CMP;
(12) 80 lin. ft. 15-in. plain conc. or vit. clay pipe;
(13) 270 lin. ft. 17-in. do;
(14) 4 each concrete catchbasins;
(15) 4 each culvert headwalls;
(16) 215 cu. yds. remove and dispose of;
(17) 1,800 M. gals. water;
(18) 650 bbls. fuel oil;
(19) 0.8 mile prepare, mix and shape shoulders;
(20) 42 sta. finish rdwy.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ 2.00	$ 6.00	$ 3.00
(2)	.31	.24	.35
(3)	.005	.005	.01
(4)	.35	.33	.42
(5)	.07	.12	.10
(6)	.02	.03	.04
(7)	2.88	3.15	3.10
(8)	11.50	12.00	10.00
(9)	.80	1.20	.05
(10)	1.10	1.40	1.25
(11)	1.65	2.20	1.85
(12)	1.80	2.00	1.40
(13)	1.60	2.00	1.85
(14)	55.00	75.00	45.00
(15)	13.50	25.00	20.00
(16)	1.50	2.00	1.00
(17)	.50	.65	.55
(18)	1.50	1.60	1.60
(19)	465.00	500.00	600.00
(20)	3.50	10.00	10.00

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COMPANY OFFICERS' QUARTERS—HAMILTON FIELD

HAMILTON FIELD, Marin Co., Cal.—Azevedo & Sarmento, 920 O St., Sacramento, at $101,250 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the construction of seven, two-story company officers' quarters at Hamilton Field. Total bids follow:

(A) Azevedo & Sarmento, Sacramento, $101,250.
(B) Young & Horstmeyer, San Francisco, $102,323.
(C) William Spivock, San Francisco, $102,850.
(D) H. L. Petersen, San Francisco, $111,800.
(E) Schuler & McDonald, Oakland, $113,999.

Complete bids follow:
(1) Construct three Company Officers' quarters, Type B-2 and four Company Officers' quarters, Type "F", including all utilities.
(2) If one and not to exceed two Type B-2 Company Officers' quarters are added or omitted.
(3) If one and not to exceed two Type "F" Company Officers' quarters are added or deducted.
(4) If gypsum plaster is used on all surfaces above basement in lieu of textured Keenes Cement plaster deduct.
(5) If termite lumber is used, add.
(6) If roof insulation is omitted, deduct.
(7) Excavation (unclassified) per cu. yd.
(8) Overhaul, (beyond free haul of 300 feet), per sta. yd.
(9) Concrete, Type A (includ. forms) per cu. yd.
(10) Concrete, Type B (including forms) per cu. yd.
(11) Reinforcing steel, per ton.
(12) Common brick (in place), per M.
(13) 4-inch wall tile (in place) per sq. ft.
(14) 8-in. wall tile (in place) per sq. ft.
(15) Linoleum floors (installed) per sq. yd.
(16) Insulation board, per sq. ft.
(17) Concrete steps (1 riser and 1 tread), (includ. rein. steel in place) per lin. ft.
(18) Tile stair treads, per lin. ft.
(19) 4-in. T. C. Pipe (for drains) per lin. ft.

	(A)	(B)	(C)	(D)	(E)
(1)	$101,250.00	$102,323.00	$102,850.00	$111,800.00	$113,999.00
(2)	14,100.00	14,820.00	14,870.00	16,600.00	16,433.00
(3)	14,100.00	14,528.00	14,560.00	15,500.00	16,199.00
(4)	150.00	300.00	300.00	——	——
(5)	3,000.00	1,700.00	3,500.00	1,012.00	560.00
(6)	600.00	425.00	640.00	1,800.00	230.00
(7)	.40	.34	.20	.50	.50
(8)	.02	.01	.04	.01	.20
(9)	12.00	12.00	14.00	14.00	15.00
(10)	12.50	13.00	14.50	16.00	14.50
(11)	83.00	83.00	80.00	83.00	83.00
(12)	50.00	37.00	40.00	39.00	36.50
(13)	.17	.16	.20	.19	.17
(14)	.35	.32	.35	.30	.33
(15)	1.60	1.70	1.50	1.70	2.00
(16)	.07	.05	.05	.14	.05
(17)	1.50	1.00	.25	.45	1.50
(18)	1.25	1.00	1.00	1.00	2.00
(19)	.75	.09	.15	.15	.30

LOS ANGELES CO.—1 MI. GRADE AND PAVE—(STATE)

LOS ANGELES COUNTY, Cal.—C. O. Sparks, 2309 E 9th St., Los Angeles, and Mundo Engr. Co., 1026 McCadden Place, Los Angeles, at $181,-791 submitted low bid to the State Highway Commission, Sacramento for grading and paving with Portland cement concrete about one mile in the city of Los Angeles, between State Street and Mission Road, involving:

Unit quantities follow:
(1) 51 sta. clear and grub right of way;
(2) 200,000 cu. yds. rdwy. excav., unclassified;
(3) 27,000 sq. yds. subgrade for pave.
(4) 5,400 cu. yds. Class A Portland cement concrete pavement;
(5) 775 cu. yds. Class A Portland cement concrete curbs, gutters, sidewalks and pier guards;
(6) 1,400 cu. yds. Class A Portland cem. concrete drain ditch and struc.;
(7) 87,000 sq. ft. gunite ditch lining;
(8) 265,000 lbs. bar reinf. steel pave. struc., curbs and gutters;
(9) 380 lin. ft. 8-in. plain concrete or vit. clay pipe subdrain;
(10) 2,050 lin. ft. 10-in. do;
(11) 1,400 lin. ft. 12-in. plain concrete clay pipe subdrain;
(12) 100 lin. ft. 12-in. plain conc. or vit. clay pipe storm drain;
(13) 980 lin. ft. 15-in. do;
(14) 230 lin. ft. 18-in. do;
(15) 80 lin. ft. 21-in. do;
(16) 50 lin. ft. 10-in. CMP;
(17) 30 lin. ft. 12-in. CMP;
(18) 100 lin. ft. 63-in. spec. reinf. conc. pipe;
(19) 1,000 tons broken stone or gravel
(20) 1 only catchbasin, No. 36;
(21) 3 each do, No. 37;
(22) 8 each do, No. 38;
(23) 1 only do, No. 39;
(24) 2 each manholes, type EZ;
(25) 1 only do, type BX;
(26) 1 only junction chamber, No. 3;
(27) 12 each curb drainage openings;
(28) 8 each subdrain outlet boxes;
(29) 175 bbls. light fuel oil subgrade treatment;
(30) 45 tons asph. road oil subgrade treatment;
(31) 525 bbls. heavy fuel oil shoulders
(32) 9,900 sq. yds. prepare, mix and shape shoulders;
(33) 4,200 lin. ft. cable guard rail;
(34) 1 lot misc. sanitary sewers;
(35) 51 sta. finish rdwy.

Total bids were:
(A) C. O. Sparks & Mundro Engr. Co. Los Angeles, $181,791.00.
(B) Southern California Roads Co., Los Angeles, $192,171.00.
(C) Oswald Bros., Los Angeles, $193,-530.50.
(D) Jahn & Bressi Const. Co., Inc., Los Angeles, $197,073.90.
(E) Griffith Co., Los Angeles, $204,-092.50.
(F) United Concrete Pipe Corp., Los Angeles, $211,657.50.
(G) M. J. Bevanda, Stockton, $212,-875.60.
(H) J. Akmadzich, Los Angeles, $238-549.46.

Unit prices follow:

(Continued Next Page)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 5.00	$ 5.00	$12.00	$ 5.00	$ 10.00	$ 20.00	$ 24.00	$ 9.66
(2)	.28	.30	.32	.32	.40	.35	.30	.40
(3)	.10	.10	.07	.08	.12	.15	.096	.106
(4)	8.20	8.20	8.25	7.70	7.63	9.40	10.20	9.66
(5)	12.50	12.00	11.80	13.80	13.50	14.00	15.60	12.64
(6)	14.50	18.00	16.25	19.35	12.50	14.00	14.40	13.43
(7)	.19	.18	.24	.17	.22	.22	.28	.32
(8)	.045	.046	.04	.04	.04	.05	.054	.046
(9)	.40	.60	.50	2.50	.70	.65	.37	.71
(10)	.50	.80	.60	2.60	.80	.70	.48	.90
(11)	.60	1.00	.85	2.80	.90	.75	.62	1.08
(12)	1.25	1.60	1.60	2.49	1.20	1.25	.81	2.53
(13)	2.00	1.70	1.60	2.64	1.30	1.50	1.26	2.95
(14)	2.00	2.00	2.10	2.90	1.60	2.00	1.69	3.68
(15)	3.00	3.00	2.80	3.35	2.20	3.00	2.20	4.22
(16)	2.00	1.30	1.15	2.08	1.25	1.25	1.80	2.05
(17)	2.15	1.50	1.25	2.25	1.35	1.50	1.80	2.18
(18)	34.00	40.00	27.50	27.45	50.00	35.00	14.40	32.43
(19)	2.10	2.30	2.35	3.05	2.30	3.00	3.60	3.25
(20)	65.00	100.00	70.00	158.00	85.00	170.00	96.00	138.00
(21)	75.00	100.00	80.00	128.00	85.00	170.00	96.00	138.00
(22)	75.00	60.00	55.00	94.15	50.00	125.00	72.00	69.00
(23)	75.00	80.00	95.00	243.00	100.00	125.00	96.00	102.00
(24)	100.00	70.00	70.00	94.90	125.00	100.00	60.00	100.00
(25)	100.00	60.00	45.00	80.85	60.00	100.00	120.00	100.00
(26)	75.00	60.00	45.00	72.75	50.00	200.00	48.00	100.00
(27)	20.00	16.00	9.00	19.95	15.00	20.00	30.00	13.30
(28)	40.00	30.00	18.00	39.65	40.00	20.00	24.00	19.00
(29)	1.75	2.20	2.00	1.95	2.00	2.00	1.80	1.82
(30)	25.00	30.00	20.00	18.00	16.00	20.00	18.00	16.90
(31)	1.75	1.80	1.50	1.60	1.60	2.00	1.82	1.82
(32)	.05	.05	.04	.10	.03	.10	.18	.20
(33)	1.00	1.00	1.00	1.20	1.10	1.00	.96	1.50
(34)	600.00	1100.00	760.00	496.00	200.00	750.00	3600.00	300.00
(35)	2.00	5.00	3.00	8.00	4.00	8.00	12.00	5.00

LOS ANGELES CO.—5.7 MI. GRADING—(GOVT.)

LOS ANGELES COUNTY, Calif.—Mono Const. Co., 818 Pershing Square, Los Angeles, at $112,169.40 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, for grading Section B of Route 60, Arroyo Seco National Forest Highway, Angeles National Forest, in Los Angeles County.

Complete bids were:

(A) Mono Const. Co., Los Angeles, $112,169.40.

(B) Wm. Von Der Hellen and C. B. Pierson, Castiac, $122,275.60.

(C) Clyde W. Wood, Stockton, $127,-256.00.

(D) Jahn & Bressi Const. Co., Los Angeles, $132,539.00.

(E) Gist & Bell, Arcadia, $134,635.00.

(F) Sharp & Fellows Contr. Co., Los Angeles, $175,744.30.

(G) Engineer's estimate, $121,340.90.

Unit quantities follow:

(1) 40 acres clearing;
(2) 272 000 cu. yds. unclass. excav.;
(3) 1,200 cu. yds. unclass. excav. for struc.;
(4) 356,300 sta. yds. overhaul;
(5) 5,742 miles finish earth graded road;
(6) 28 cu. yds. Class A concrete;
(7) 17 cu. yds. Class B concrete;
(8) 2,100 lbs. reinf. steel;
(9) 164 cu. yds. cem. rubble masonry
(10) 272 lin. ft. 8-in. asphalt dipper CGMP;
(11) 1,120 lin. ft. 8-in. do;
(12) 828 lin. ft. 24-in. do;
(13) 74 lin. ft. 36-in. do;
(14) 1 each 36-in. do. elbows;
(15) 1,200 cu. yds. handlaid road embankment;
(16) 840 lin. ft. wood guard rail;
(17) 70 each right of way monuments;
(18) 3 each type A spillway inlets;
(19) extra work maintenance of water line.

Unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$200.00	$200.00	$200.00	$200.00	$150.00	$140.00	$175.00
(2)	.33	.35	.38	.39	.37	.53	.35
(3)	.90	1.50	1.00	1.00	1.50	1.65	1.50
(4)	.05	.01	.01	.01	.02	.025	.005
(5)	100.00	300.00	200.00	400.00	500.00	400.00	300.00
(6)	15.00	30.00	20.00	20.00	30.00	25.00	32.00
(7)	12.00	30.00	18.00	25.00	30.00	25.00	30.00
(8)	.06	.06	.06	.06	.07	.05	.06
(9)	4.50	9.00	8.00	7.00	20.00	16.00	15.00
(10)	1.50	1.00	1.30	1.10	1.00	1.00	1.10
(11)	2.20	1.50	2.00	1.50	2.00	1.65	1.90
(12)	2.90	2.50	2.75	2.50	3.00	2.50	2.80
(13)	3.75	4.00	5.00	5.00	5.00	4.50	5.30
(14)	10.00	10.00	10.00	25.00	10.00	10.00	30.00
(15)	2.25	3.00	1.00	2.50	4.00	2.50	3.00
(16)	1.00	1.00	1.00	1.25	1.00	1.20	.80
(17)	2.50	3.00	3.00	4.00	3.00	3.00	3.00
(18)	20.00	20.00	10.00	15.00	15.00	15.00	15.00
(19)	150.00	150.00	150.00	150.00	150.00	150.00	150.00

Bids held under advisement. C. H. Sweetser, district engineer.

LOS ANGELES COUNTY, Calif.—Clinton Construction Co. of California, 923 Folsom St., San Francisco, at $93,-019.50 submitted low bid to the State Highway Commission, Sacramesto, for construction of two reinforced concrete girder bridges; one across Monterey Pass Road, consisting of one 87-ft. reinforced concrete girder span on concrete piers and abutments with wing walls; and one across Coyote Pass Road, consisting of one 65-foot and two 32 ft. 6 in. reinforced concrete girder spans on concrete piers and abutments, about one mile south of Alhambra in Los Angeles County.

Unit items follow:

(1) 5,400 cu. yds. struc. excav.;
(2) 4,690 cu. yds. Class A Port. cem. concrete;
(3) 665,000 lbs. bar reinf. steel;
(4) 115 lin. ft. cast iron drain pipe;
(5) 1 lot misc. items of work.

Total bids were:

(A) Clinton Const. of California, 923 Folsom St., San Francisco, $93,-019.50.

(B) H. M. Baruch Corp., Ltd., Los Angeles, $97,756.50.

(C) Byerts & Dunn, Los Angeles, $99-572.50.

(D) Andy Sordal, Long Beach, $104,-732.00.

(E) F. Mayson, Los Angeles, $104,-847.50.

(F) Sharp & Fellows Contr. Co., Los Angeles, $105,083.00.

(G) Jahn & Bressi Const. Co., Los Angeles, $105,947.00.

(H) R. H. Travers, Los Angeles, $106,-865.00.

(I) Geo. Mittry, Los Angeles, $108,-512.00.

(J) Bannister-Field Co. & F. E. Potts, Los Angeles, $113,781.50.

(K) Theodore A. Beyer Corp., Los Angeles, $119,602.50.

W. E. Hall Co., Alhambra, submitted bid but it was accompanied by insufficient check.

	(1)	(2)	(3)	(4)	(5)
(A)	$ .87	$13.50	$.0364	$ .70	$ 720.00
(B)	2.00	13.10	.0375	2.00	350.00
(C)	1.00	14.50	.0375	2.00	1000.00
(D)	1.20	14.60	.04	1.00	3063.00
(E)	1.10	15.25	.04	1.00	700.00
(F)	.75	16.20	.036	1.00	1000.04
(G)	.75	15.80	.04	2.00	965.00
(H)	1.00	16.00	.0375	2.50	1200.00
(I)	1.00	16.30	.039	2.00	660.00
(J)	.62	17.85	.039	1.20	544.00
(K)	1.20	18.25	.04	2.00	700.00

21

CONTRACT AWARDED

ESCONDIDO, San Diego Co., Cal.—Consolidated Steel Corp., Ltd., 6500 E. Slauson Ave., Los Angeles, at $61,-648.15 awarded contract by the Escondido Mutual Water Co., 227 E. Grand Ave., Escondido, for constructing about 4 miles of steel pipe line foor the company's water system, involving:

(1) 2735 feet 24-ft. 9-in. 10-gauge, welded steel pipe;
(2) 19,710 ft. 24-ii. welded steel pipe, 3/16-in.;
(3) Wrapping 24-in. pipe, per ft.;
(4) Bell holes, per cu. yd.;
(5) Field welds, each;
(6) No. 10 angles, each;
(7) 3/16-inch angles, each;
(8a) Welding connection to air vents, 2-in.;
(8b) Welding connection to air vents 4-in.;
(8c) Welding connection to air vents 6-in.;
(9)8556 cu. yds. trench and backfill;
(10) Days to complete work;
(11)Length of field section in feet, 10-gauge;
12) Length of field section in feet, 3/16-in.

Complete bids follow:

(A) Consolidated Steel Corp., Los Angeles, $61,648.15.

(B) Western Pipe & Steel Co., Los Angeles, $62,008.21.

(C) American Pipe & Steel Co., Los Angeles, $63,651.75.

(D) Southern Pipe & Casing Co., Azusa, $64,496.35.

(E) American Pipe & Steel Co., Los Angeles, $68,762.05.

(F) Southwest Welding & Mfg. Co., Alhambra, $70,809.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$1.60	$1.70	$2.20	$1.60	$1.78	$1.96
(2)	2.49	2.48	2.60	2.53	2.71	2.87
(3)	.24	.24	.18	.20	.27	.23
(4)	.80	1.28	1.00	1.50	1.50	1.00
(5)	15.00	3.50	2.40	5.00	5.00	4.75
(6)	5.20	6.25	3.00	3.25	5.88	8.80
(7)	8.20	6.25	3.60	3.75	7.35	9.00
(8a)	4.00	1.80	2.00	.75	.75	1.00
(8b)	4.65	2.60	2.50	1.50	1.50	2.00
(8c)	5.65	3.50	2.75	2.30	2.30	3.00
(9)	.80	.76	.60	1.00	1.00	.85
(10)	120	100	105	85	102	75
(11)	24	20-24	12	24	20	24
(12)	30	30	30	24	30	30

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IN THIS ISSUE

Text of Approved Code for Construction Industry

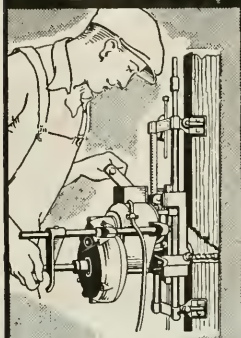
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

XVII—No. 7

FEBRUARY 17, 1934

WAPPAT Electric TOOLS



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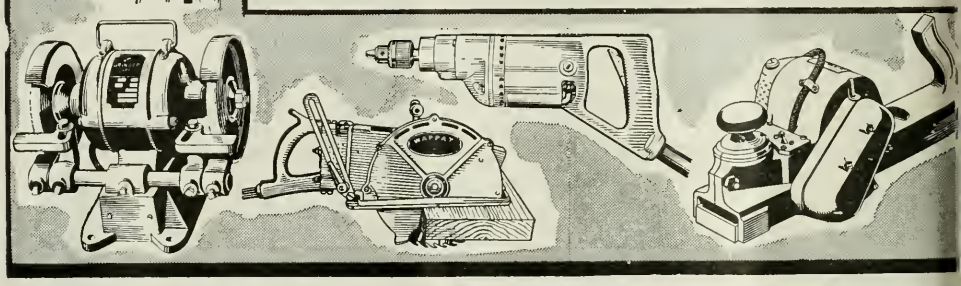

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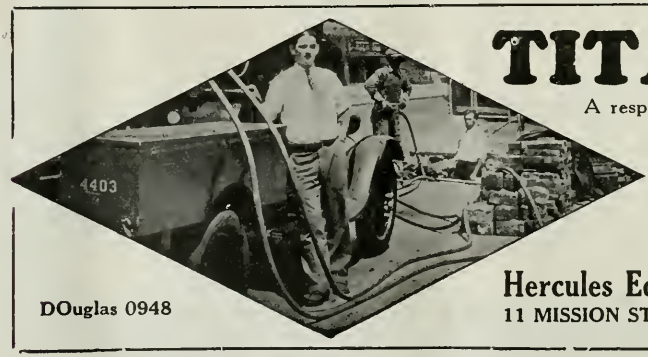

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Construction Industry Code Of Fair Competition

Approved by the President, January 31, 1934; Effective March 2, 1934

Following is the text of the approved NRA Code of Fair Competition for the Construction industry as issued by the Construction League of the United States:

To effectuate the policies of Title I of the National Industrial Recovery Act, the following provisions are established as a Code of Fair Competition for the Construction Industry, and shall be the standard of fair competition for this industry and shall be binding upon every member thereof.

CHAPTER I—GENERAL PROVISIONS

ARTICLE I

APPLICATION

The provisions of this Code shall apply to the entire industry as hereinafter defined, excluding operations therein undertaken in accordance with bona fide bids made not more than sixty (60) days prior to the effective date, or contracts entered into prior to the effective date; except that the provisions of each chapter incorporated in this Code shall apply only to the division or subdivision of the industry defined in such chapter. In case of conflict between such chapter provisions and the general provisions of this Code, the chapter provisions shall govern. If any other code of fair competition or a provision thereof, heretofore or hereafter approved by the President, shall conflict with this Code or with any provisions thereof, the Administrator may hold such hearings as he may deem necessary and thereafter may, if in his judgment justice requires, grant such stay, exception or exemption, or make such other determination as he may deem advisable to effectuate the policies of the Act.

ARTICLE II

DEFINITIONS

Section 1. Construction Industry*

The term "construction industry" or "the industry" as used herein shall include the designing and the constructing of (and the installing and the applying, including the assembling at the site, of manufactured parts and products incorporated in and to):

(a) building structures, including modifications thereof and fixed construction accessory thereto, intended for use as shelter; and other

(b) fixed structures and other fixed improvements and modifications thereof, intended for use in industry, commerce, sanitation, transportation, communication, flood control, power development, reclamation and other similar projects or services;

and such related divisions or subdivisions thereof as may be defined in chapters hereof, and included hereunder with the approval of the President.

Section 2. Divisions of the Industry

The term "division of the industry" or "division" as used herein shall mean a branch of the industry which has been or may hereafter be defined in a particular chapter of this Code. The term "subdivision of the industry" or "subdivision" shall mean a defined section of a division.

Section 3. Member of the Industry

The term "member of the industry" as used herein includes any individual or form of organization or enterprise engaged in any phase, or undertaking to perform any of the functions of the industry as defined in Section 1 hereof either as an employer or on his own behalf, including also but without limitation, architects, engineers, contractors and subcontractors.

Section 4. Member of the Division

The term "member of the division" or "member of the subdivision" includes any member of the industry engaged in one of the divisions or subdivisions of the industry now or hereafter established.

Section 5. Employee

The term "employee" as used herein shall include any person engaged in any phase of the industry, however compensated, but excluding members of the industry.

Section 6. Employer

The term "employer" as used herein includes anyone by whom any such employee is compensated or employed.

Section 7. President, Act Administrator

The terms "President", "Act", and "Administrator" as used herein shall mean, respectively, the President of the United States, the National Industrial Recovery Act, and the Administrator of Title I of said Act.

Section 8. Effective Date

The term "effective date" as used herein shall mean the thirtieth (30th) day after the approval of this Code by the President, provided that in respect of a particular division an earlier effective date may be specified in the chapter applicable to such division.

Section 9. Sponsors

The term "sponsors of the Code" as used herein means the following national associations of members of the industry which have applied for the approval of this Code and signified their assent thereto:

1. Construction League of the United States
2. American Institute of Architects
3. American Society of Civil Engineers
4. Associated General Contractors of America
5. International Society of Master Painters and Decorators, Inc.
6. Heating, Piping and Air Conditioning Contractors National Association
7. Cement-Gun Contractors Assn.
8. National Building Granite Quarries Association;
9. Contracting Plasterers International Association;
10. Tile and Mantel Contractors Association of America
11. National Association of Master Plumbers of the United States
12. National Elevator Manufacturing Industry
13. Roofing and Sheet Metal Industries Conference
14. Mason Contractors Association of United States and Canada
15. American Road Builders Assn.
16. National Association of Metal Furring and Lathing Contractors
17. Asbestos Contractors National Association
18. National Association of Building Trades Employers
19. National Association of Builders' Exchanges
20. American Construction Council

and such other national associations of members of the industry as shall in like fashion hereafter sponsor additional chapters of this Code.

Section 10. This Code

The term "this Code" as used herein shall mean and include, unless the context clearly indicates otherwise, all chapters from time to time included herein, together with any modifications or amendments thereto.

Section 11. Population

Population, for purposes of this Code, shall be determined by reference to the 1930 Federal Census.

ARTICLE III

HOURS, WAGES, AND CONDITIONS OF EMPLOYMENT

Section 1. Mutual Agreements

In each division or subdivision of the industry, as defined in the chapter incorporated in this Code relating thereto, truly representative associations or groups of employers and employees respectively concerned, after proper notice and hearing and as a result of bona fide collective bargaining, may establish by mutual agreement (when approved by the President as provided in Section 7 (b) of

the Act), for a specifically defined region or locality the standards of hours of labor, rates of pay and such other conditions of employment, relating to occupations or types of operations in such division or subdivision, as may be necessary to effectuate the policy of Title I of the Act. For the purposes of this Section, the entire United States may be defined as a region. The terms of such an agreement between the employers and employees of a division or subdivision of the industry shall not be binding upon the employers and employees of any other division or subdivision of the industry.

After the President has approved any such agreement arrived at within any such division or subdivision, and after proper notice of such approval, it shall be deemed prima facie unfair competition for any employer in such division or subdivision to fail to comply with the standards of maximum hours of labor, minimum rates of pay or other conditions of employment so approved and prescribed by the President, in respect of the performance within the defined region or locality of the types of operations concerned; and the failure of such an employer to desist from such unfair competition after being given due notice and opportunity to be heard, shall constitute a violation of the requirements of this Code.

The Administrator shall establish one or more Boards for each division or subdivision of the industry concerned to investigate any complaints of unfair competition as defined in this Section. Each such Board shall consist of two representatives each of employers and employees of the division or subdivision affected, selected by the Administrator from nominations made by such employers and employees respectively in such manner as the Administrator may approve or prescribe, and an impartial chairman named by the Administrator from nominations made by the employer and employee representatives selected to the Board. Each Board shall give notice and opportunity to be heard to each complainant and respondent and thereafter notify said parties of its findings and report them to the Administrator, as a basis for appropriate action to enforce the requirements of this Code. The provisions of this Section shall not be construed to limit the power of the President, in the absence of such a mutual agreement, to exercise any authority conferred upon him under Section 7 (c) of the Act.

Section 2. Other Hours and Wages

Where no applicable mutual agreement, as provided in Section I of this Article, shall have been approved, employers shall comply with the following provisions as to minimum rates of pay, and maximum hours of labor:

A. No employee, excluding accounting, office and clerical employees, shall be paid at less than the rate of forty (40) cents per hour, provided, however, that the provisions of this paragraph A shall not be construed as establishing a minimum rate of pay for other than common or unskilled labor; and provided further that such provisions shall not be construed to authorize reductions in existing rates of pay.

No accounting, office or clerical employees shall be paid at less than the rate of $15.00 per week in any city of over 500,000 population or in the immediate trade area of such city; $14.50 per week in any city of between 250,000 and 500,000 population or in the immediate trade area of such city; $14.00 per week in any city of between 2,500 and 250,000 population or in the immediate trade area of such city; and $12.00 per week in towns of less than 2,500 population.

The foregoing provisions of this paragraph A establish a minimum rate of pay which shall apply, irrespective of whether an employee is actually compensated on a time-rate, piece-work, or other basis.

B. No employee shall be permitted to work in excess of forty (40) hours per week or in excess of eight (8) hours in any twenty-four (24) hour period, with the following exceptions and limitations:

1. On application of the interested parties and after approval of the National Construction Planning and Adjustment Board or Regional Boards established by it, an employee may be permitted to work forty-eight (48) hours in any one week when the following conditions obtain:

(a) On projects located at points so remote and inaccessible that camps or floating plants are necessary for the housing or boarding of a majority of the labor employed.

(b) On such remote projects, when working time has been lost because of inclement weather or unavoidable delays in any one week, it may be made up in the following four weeks.

(c) On projects in localities where a sufficient amount of qualified labor is not available in the immediate vicinity of the work.

2. The foregoing maximum hours of work shall not be construed as a minimum, either for a day or for a week, and if at any time in any locality truly representative groups of employees in a division or subdivision of the industry, through their chosen representatives, express by written request to their employer or employers a desire to share available work in such division or subdivision, the number of hours of work may be reduced by mutual agreement between such employees and their employer or employers. In the event of inability to arrive at an agreement which will not involve undue hardship on either employees or employers, then such difference, with the consent of all parties in interest, may be submitted to the National Construction Planning and Adjustment Board for a decision. The National Board may require the Regional Boards to secure facts and full information relative to such dispute and submit the same to the National Board for its information.

It is not, however, the intent of this provision that any such reduction will be recommended by the National Board to be put into effect if it appears probable that undue hardship might be occasioned thereby to either employers or employees.

3. The following classes of employees are exempt:

(a) Employees engaged in professional, executive, or supervisory work.

(b) Employees in establishments employing not more than two (2) persons in towns of less than 2,500 population, which towns are not part of a larger trade area.

(c) Employees engaged in emergency work, involving breakdowns or protection of life or property.

(d) Watchmen.

(e) Other employees who may be exempted in chapters of this Code specifically applicable only to the divisions or subdivisions of the industry therein defined.

4. Accounting, clerical or office employees may be permitted to work not in excess of forty (40) hours per week averaged over a period of four consecutive weeks.

C. No employer shall knowingly permit any employee to work for a total number of hours in excess of the hours herein prescribed, whether employed by one or more employers.

Section 3. Exemptions.

Where provisions concerning hours of labor or rates of pay have been established for specific projects, by competent governmental authority or agencies (whether Federal, State or political subdivisions thereof) acting in accordance with law, any employer required to comply and complying with the provisions so established shall be relieved of compliance with any conflicting provisions of this Article or of any actions taken in accordance therewith.

Any employer required to comply and complying with the provisions of a valid labor agreement in force on the effective date shall be relieved to the extent of his legal obligations thereunder of compliance during the period of such agreement, with any conflicting provisions of this Article, or of any actions taken in accordance therewith.

Section 4. Minimum Age

No employer shall employ any person under the age of sixteen (16) years, or under the age of eighteen (18) years in any occupation hazardous in nature or dangerous to health.

Section 5. Construction Planning and Adjustment Boards

There shall be established within thirty (30) days from the effective date of this Code, a National Construction Planning and Adjustment Board, and said Board shall consist of twenty-one (21) persons, ten of whom shall be selected by the Industrial Advisory Board of the National Recovery Administration from nominations of the Construction Code Authority and ten shall be selected by the Labor Advisory Board of the National Recovery Administration from nominations of the construction employee organizations, the selection in each case to be subject to the approval of the Administrator, and one person to act as disinterested chairman to be selected by the President upon the recommendation of the Administrator.

The National Construction Planning and Adjustment Board shall have for its fundamental purpose the planning and the development of policies that embrace the broad spirit of cooperation and good will in the furtherance of all matters that relate to the promotion of better relations between employers and employees within the industry and the furtherance of other matters of their mutual interest. It shall have the authority upon its own motion to select technical advisors and seek the cooperation of all factors involved in the stabilization and promotion of the wellbeing of both employers and employees in the industry, and shall have authority to make such rules and regulations for its own conduct as it may deem necessary.

It shall, in its own discretion, following the submission by consent of all parties in interest of any difference within or between any divisions or subdivisions of the industry, give consideration and make determinations on all such differences as may arise relating to wages, hours of employment, and working conditions. The decisions of the National Construction Planning and Adjustment Board shall be final and binding on all parties in interest, except that in the event the representative of the Government, the disinterested Chairman, shall dissent from the conclusion, the decision shall be held in abeyance until approval or disapproval has been given by the Administrator.

The National Construction Planning and Adjustment Board shall have the authority, and upon its own motion shall establish in properly defined areas, Regional Construction Planning and Adjustment Boards, and said

Boards shall be composed of an equal number of members from employer groups and employee groups, and it is further provided that there shall be no disinterested or impartial chairman of said Regional Boards, it being provided that such Boards shall select from their members a chairman and a secretary. The National Construction Planning and Adjustment Board shall upon its own motion submit to the Regional Boards, such problems for study as may in the opinion of the National Board be necessary and such reports of the Regional Boards shall be submitted to the final examination of the National Board.

To these Regional Construction Planning and Adjustment Boards may be submitted matters from their respective areas in disputes having the same relationship as matters to be submitted to the National Board, and every effort on their part shall be made to reconcile such existing differences with their requirement that their action shall in all instances be submitted to the National Board for final action.

Nothing in this Section shall be construed as preventing employers and employees in any division or subdivision of the industry as defined in the chapter incorporated in this Code relating thereto from submitting to the Boards provided for in Article III, Section 1 or other, Boards similarly composed and selected for consideration and determination, differences that may arise relating to wages, hours of employment, and working conditions, subject to the approval of the Administrator. The findings of fact and determination of such Boards shall be submitted to the National Board for its information.

The cost of conducting the Nation- and Regional Boards herein provided for, shall be borne by the Construction Code Authority, subject to a budget submitted to and approved by it, provided, however, that the cost of the services and the expenses of the members of said Boards, shall not be paid by such Authority.

ARTICLE IV
ADMINISTRATION

To further effectuate the policies of the Act and to administer this Code within the industry and its divisions and subdivisions, there shall be established a Construction Code Authority, and Divisional Code Authorities, and other administrative agencies as herein provided.

A. Construction Code Authority.
Section 1. Constituency.

The Construction Code Authority shall consist of one member selected from and appointed by each of the sponsors of this Code, enumerated in Article II, Section 9 hereof as sponsoring this Code as originally submitted to the President for his approval; except that the Associated General Contractors of America may appoint thereto not more than four (4) members, one of such members to be selected respectively from each of the following component membership groups of said organization: Building Construction, Highway Construction, Railroad Construction, Public Works and other types of construction not heretofore specifically enumerated; together with not more than three non-voting members to be appointed by the Administrator to act as his representatives. To the Construction Code Authority as so constituted and established there may be designated not more than one additional member in respect of each additional chapter hereafter incorporated herin, provided that no such additional member shall be selected by any association enumerated in Article II, Section 9, hereof. The method for the selection of each such additional member shall be described in the corresponding additional chapter. The term of such appointment shall not exceed two years, except that, in the event of code continuance beyond the limit now established by law, terms may be readjusted to insure overlapping tenures of office pursuant to a plan or method approved by the Administrator. Voting members are subject to replacement by the selecting agency with the approval of the Administrator.

Section 2. Powers and Duties

The Construction Code Authority, acting as a unit or through and designated committee or department created by it from its membership, shall have, in addition to any other powers or duties herein conferred upon it, the following powers and duties:

(a) It may establish rules and regulations for the conduct of its affairs; and may appoint such committees, agencies and representatives, and delegate to them such of its powers and duties as it may deem necessary for the proper discharge of its functions hereunder.

(b) It shall be empowered to cooperate with the Administrator in making investigations and surveys concerning the functioning of this Code, the observance of its provisions and other pertinent matters whether at the request of the Administrator or otherwise, and report its findings and recommendations to the Administrator.

(c) It shall collect from members of the industry and compile and furnish to the Administrator any reports and other information required under the Act. Except as may be requied for the effective enforcement of the provisions of this Code the reports of individual members of the industry required under this Code shall be confidential and only compiled summaries of such individual reports shall be furnished.

(d) In order to collect the information for the Administrator herein called for, it may require, either directly or through any Divisional Code Authority, the registration, in such manner as it may deem appropriate, of all construction work or services of or in excess of $2,000, in value, and in order to defray the expenses of such registration and of the administration of this Code may apportion such expenses on the basis of the value of the work or services so registered, but in no case shall the charge be less than $2.00. The proceeds derived therefrom shall be apportioned upon an equitable basis between the Construction Code Authority and such Divisional Code Authorities as shall cooperate in procuring the registration of such work or services.

(e) It may propose modifications of or amendments to the general provisions of this Code which, after submission to the Divisional Code Authorities affected thereby, may be recommended to the President for his approval, and upon such approval, following such notice and hearing as he may prescribe, shall have full force and effect as provisions hereof.

(f) It may exercise the foregoing powers and duties in any division of the industry for which no Divisional Code Authority shall have been established; and, if in its opinion the policies of the Act require, it may recommend to the Administrator that an additional chapter of this Code be established for any such division of the industry.

(g) Its members or authorized representatives may attend meetings of any Divisional Code Authority, and it may at any time make appropriate recommendations to the Administrator to insure the proper functioning or representative character of any such Divisional Code Authority.

(h) It may secure an equitable and proportionate payment of the expenses of its establishment, maintenance and activities from members of the industry.

B. Divisional Code Authorities
Section 1. Procedure for Establishing.

There shall be established for each division of the industry a Divisional Code Authority which shall, within the limitations provided herein, administer within such division, this Code and the provisions of any chapter hereof applicable specifically to such division. The procedure for establishing each such Divisional Code Authority shall be defined in the chapter pertaining to that division of the industry. The non-voting members appointed by the Administrator to the Construction Code authority (or their proxies appointed by the Administrator) may serve in like capacity with respect to any Divisional Code Authority.

Section 2. Powers and Duties.

Each such Divisional Code Authority shall, in addition to any other powers and duties conferred upon it in the chapter applicable to its division, have the following powers and duties:

(a) It may establish rules and regulations for the conduct of its affairs and may appoint such committees, agencies and representatives and delegate to them such of its powers and duties as it may deem necessary for the proper discharge of its functions hereunder.

(b) It shall cooperate with the Administrator and with the Construction Code Authority in making investigations as to the functioning and observance of any provisions of this Code, at its own instance or on complaint of any person affected, and shall collect from members of the industry and compile and furnish to the Administrator, and to the Construction Code Authority, any reports and other information required under the Act. Except as may be required for the effective enforcement of the provisions of this Code, the reports of individual members of the division required shall be confidential and only compiled summaries of such individual reports shall be furnished.

(c) It shall study the provisions incorporated in this Code applicable to its own division, and the operation thereof, and after submission to the Construction Code Authority may make such recommendations to the Administrator as it deems desirable for modification or addition thereto. Such recommendations, upon approval of the Administrator after such notice and hearing as he may prescribe, shall become a part of this Code and have full force and effect as provisions hereof.

(d) It shall receive and so far as possible adjust all complaints as to trade practices between members of its division in the operation of the provisions of this Code applicable to its division.

(e) It may secure an equitable and proportionate payment of the expenses of its establishment, maintenance and activities from members of its division of the industry.

C. Representation and Membership.
Section 1. Modification in Selection.

In order that the Construction Code Authority and the Divisional Code Authorities shall at all times be truly

representative, respectively, of the industry and of the divisions, and in other respects comply with the provisions of the Act, the Administrator may provide such hearings as he may deem appropriate; and thereafter, if he shall find that the Construction Code Authority or any Divisional Code Authority, is not truly representative or does not in other respects comply with the provisions of the Act, he may require an appropriate modification in the method of selection of the Construction Code Authority, or of any Divisional Code Authority, as the case may be.

Section 2. General Requirements.

The sponsors of this Code who participate in the selection of any Code Authority or administrative agency provided for herein, shall submit to the Administrator true copies of their Articles of Association or Incorporation, Constitution and By-Laws, and other pertinent rules and regulations and any amendments when made thereto, together with such other information as to organization, membership, and activities as the Administrator may deem necessary.

In addition to the information required to be submitted by members of the industry or its divisions under this Code, there shall be furnished to government agencies such statistical information as the Administrator may deem necessary for the purposes recited in Section 3 (a) of the Act. Except as may be required for the effective enforcement of the provisions of this Code, the reports of individual members of the industry required under this Code shall be confidential and only compiled summaries of such individual reports shall be published.

Nothing contained in this Code shall constitute the members of the industry or the members of the Construction Code Authority or of a Divisional Code Authority or any committee or agency thereof partners for any purpose. No member of the industry shall be liable in any manner to anyone for any act of any other member of the industry or any agent or employee thereof pursuant to this Code. No member of such a Code Authority, committee or agency, shall be liable in any manner to anyone for any act of any other member, officer, agent or employee of such Code Authority, committee or agency. Nor shall any member of any such Code Authority, committee or agency, exercising reasonable diligence in the conduct of his duties hereunder, be liable to anyone for any action or omission to act under this Code, except for his own wilful misfeasance or nonfeasance.

ARTICLE V
APPEALS

Section 1. Construction Appeals Board.

The Construction Code Authority shall establish, under rules and regulations prescribed by and subject to the approval of the Administrator, a suitable agency to be known as the Construction Appeals Board, to consist of one architect, one professional engineer, three general contractors and four special contractors.

Section 2. Powers of Board.

The Construction Appeals Board shall hear and determine the appeals referred to in Section 3 of this Article and shall likewise be empowered to determine, in the event of a conflict between the provisions of the various chapters hereof, applicable to specific divisions or subdivisions of the industry, which of such chapter provisions shall govern.

Section 3. Complaint Within Division.

Any interested party shall have the right of complaint to the appropriate Divisional Code Authority established for any division of the industry, and of a prompt hearing and decision in respect of any decision, rule, regulation, order or finding made by such Authority or its commtitees or agencies, undes such rules or regulations as may be prescribed therefor and the decision of said Authority thereon may be appealed by any interested party to the Construction Appeals Board.

Section 4. Appeal to Administrator.

Any interested party shall have the right of appeal to the Administrator, under such rules and regulations as he may prescribe, in respect of any decision, rule, regulation, order or finding made by the Construction Code Authority or the Construction Appeals Board.

Section 5. Limitation of Power.

No decision, rule, regulation, order or finding shall be made by any Code Authority or other administrative agency, excluding the Boards provided for in Article III hereof, provided for in or pursuant to this Code, whether made pursuant to the foregoing sections of this Article V or otherwise, of or in any dispute between employers and employees, or between groups of employees, including, in such last-named classed of disputes, any case or controversy whose determination would directly involve or affect any dispute between groups of employees as to the right to perform specific types of work or operations, including cases commonly known as trade jurisdictional disputes.

ARTICLE VI
ADJUSTMENTS

In the event that any member of the industry subject to this Code shall have contracted before June 16, 1933, to purchase goods, structures, or parts thereof at a fixed price for delivery after that date and prior to the expiration of this Code, it is equitable and promotive of the policies of the Act that an appropriate adjustment of said price be made to meet any increase in cost to the seller caused by the seller's having signed the President's Reemployment Agreement or having become bound by any code of fair competition approved by the President; provided, however, that in view of the fact that construction operations customarily involve the furnishing of various goods and structures, or parts thereof by a continuous series of independent long-term contracts and agreements at fixed prices between various parties, such as owners, including government departments), contractors, subcontractors and others, such adjustments may be made contingent upon similar appropriate adjustments to be made by all other parties thus participating, from and including the initial vendor of such goods and structures or parts thereof to and including the owners of the works or structures upon which they are used.

ARTICLE VII
COMPETITIVE BIDDING PRACTICES

Section 1. Competitive Bidding Defined.

(a) The term "competitive bidding" as used herein shall mean the submission at or before a definite predetermined time of comparable proposals by two or more invited persons to an awarding authority to execute a specific program of work, furnishing a definite service or supplying a material specifically required for a particular project at a stipulated price. This does not include furnishing quotations on standard products.

(b) The term "awarding authority" as used herein shall mean any member of the industry who may upon competitive bidding award contracts.

Section 2. Bid Peddling and Bid Shopping.

(a) The practices commonly known as "bid peddling" or "bid shopping" are recognized as unfair and are prohibited. Bid peddling in effect means the offering by the bidder prior to the making of an award of a substitute bid or price lower than the one originally bid without a commensurate decrease in the requirements of the job. The correction of the abuses resulting from such practice is obtainable by regulation restricting or controlling bidders.

(b) Bid shopping in effect means the effort on the part of the awarding authority to induce a bidder prior to the making of the award to lower his original bid price without a commensurate decrease in the requirements of the job. The correction of the abuses resulting from such practice is obtainable by regulation restricting or controlling the awarding authority.

Section 3. Limitation on Bids and Alternates.

(a) Since it is recognized that the preparation of a bid is a service involving an expense to the bidder and that the inviting of an unreasonable number of bids is an economic waste, the awarding authority shall not invite an unnecessary number of bids.

(b) Only a limited number of alternate proposals shall be required in connection with any bid, and no alternate proposal of a bidder shall be considered by the awarding authority, unless the privilege of alternate proposals is extended to all bidders.

Section 4. Uniformity of Information.

The awarding authority shall make available uniformly to all bidders, plans and/or specifications or other requisite information which shall be sufficiently complete to enable each bidder to prepare a definite bid in accordance with the regulations herein provided for. He shall prescribe terms of competition which shall insure parity of standing to all bidders.

Section 5. Qualification of Bidders.

The awarding authority shall not invite bids from a bidder unless such bidder shall have demonstrated to the satisfaction of the awarding authority that he is competent technically and financially to perform the work, and the ability of a bidder to obtain a performance bond shall not be regarded as the sole test of such bidder's competency.

Section 6. Award at Original Price.

An award if made shall be made at the bidder's original bid price. It is recognized that competition based solely on price is sometimes unfair and accordingly the awarding authority may make an award to a competitive bidder other than the lowest bidder provided the award is made at such competitor's original bid price.

Section 7. Receipt of Bids.

The awarding authority shall designate a specific hour and place for receiving competitive bids. All bids to be submitted by subcontractors shall be delivered to the contractor at least 24 hours prior to the time set for the receipt of the bid of said contractor by the awarding authority. Bids received after such time or from uninvited bidders shall be returned unopened. All bids shall be required to be signed by a duly authorized representative of the bidder and enclosed in a sealed envelope on the outside of which shall appear its identification as a bid for the particular job.

Section 8. No Influencing of Bidders.

The awarding authority shall not at any time prior to the specified time for the receipt of bids convey to any bidder information relating to the price or terms of any other bid in order to influence the price or terms of such bidder.

Section 9. Collusion Prohibited.

There shall be no collusion between the awarding authority and any bidder, nor between the different bidders in the preparation of any bid. The awarding authority shall not use any bid which is so unduly low as to indicate an error or mistake in estimating without first giving the bidder the opportunity of demonstrating by cost sheets or other methods the correctness of the bid that he has submitted.

Section 10. Time Limit on Awards.

The awarding authority shall make an award or reject all bids for the principal contract with the owner within twenty (20) days after the stipulated time for the receiving of bids except where an extension of time has been requested from the bidders and has been consented to by two or more bidders. In the case of bids conditioned upon the award of a previous contract, each succeeding awarding authority shall make an award or reject all bids within thirty (30) days after the award of such previous contract except as to such bidders as shall agree to an extension of time. The right to reject any or all bids may be reserved by the awarding authority, and such rejection shall be made in writing. Where all bids are rejected, bids shall not be again invited or submitted for the mere purpose of obtaining a lower or revised price or prices for substantially the same work previous to the elapse of ninety (90) days from the date of such rejection, except there be a substantial change in the plans and/or specifications, or except there be evidence of collusion, or except there be such a marked difference between the bids submitted and the awarding authority's estimate as to the valuation of the work as would indicate to the awarding authority and his Code Authority the necessity of new bids in order to secure fair competition.

Section 11. Naming of Subcontractors.

Before making an award the awarding authority may require any bidder to name the subcontractors whom such bidder intends to employ for the various divisions of the work bid upon.

Section 12. Rebates, Refunds and Discounts.

The awarding authority shall not accept rebates, refunds, discounts, or other special allowances or services from a bidder unless included by the bidder in his original bid.

Section 13. Owner's Compliance.

The various divisions and subdivisions of the industry may provide in the chapters specifically applicable to such divisions or subdivisions, that members of the division or subdivision shall not submit a competitive bid, as defined in Section 1 (a) of this Article, to an owner or any other person, corresponding to an awarding authority as herein defined unless such owner or other person agrees to comply with the regulations provided herein governing an awarding authority.

Section 14. Checking Bids.

In order to enforce the practice of fair competitive bidding, the Divisional Code Authorities shall provide, if no such method is provided in the chapter applicable to such division, a method satisfactory to the Construction Code Authority for checking bids submitted by members of such division either by designating a depository for the filing of duplicate bids or by some other acceptable method. The Construction Code Authority may require such changes in any such method as may be necessary to prevent conflict between the various methods which may be adopted by the various Divisional Code Authorities.

ARTICLE VIII
GENERAL

Section 1. Labor Provisions of Act.

Employees shall have the right to organize and bargain collectively through representatives of their own choosing, and shall be free from the interference, restraint, coercion of employers of labor, or their agents, in the designation of such representatives or in self-organization or in other concerted activities for the purpose of collective bargaining or other mutual aid or protection; no employee and no one seeking employment shall be required as a condition of employment to join any company union or to refrain from joining, organizing or assisting a labor organization of his own choosing; employers shall comply with the maximum hours of labor, minimum rates of pay, and other conditions of employment, approved or prescribed by the President.

Section 2. Reclassification of Employees.

Employers shall not reclassify employees or duties of occupations performed by employees with the intent or for the purpose of defeating the purposes of the Act.

Section 3. Federal or State Laws.

No provision of this Code shall supersede any State or Federal law imposing more stringent requirements on employers regulating the age of employees, wages, hours of work, or health, fire or general working conditions than those contained in this Code.

Section 4. Monopolies.

No provision of this Code shall be so construed or applied as to permit or promote a monopoly or a monopolistic practice, or to eliminate or oppress or discriminate against small enterprises.

Section 5. Additional Chapters.

Additional chapters to this Code may be submitted to the Construction Code Authority for submission by it for the approval of the President but nothing contained herein shall be construed to prevent any representative association or group from submitting any such chapter directly to the President for his approval, provided that the Construction Code Authority, if then established, shall be given an ample opportunity to consider and examine any such chapter prior to its submission to the President to the end that there may be proper coordination within the industry and between its various divisions and subdivisions. Upon approval by the President, such chapter shall become an integral part of this Code the same as if originally included herein, but any exceptions therein to the general provisions of this Code shall apply only to the members of the division, or subdivision of the industry to which such chapter pertains. No specific provision of this Code applicable to its amendment or modification shall constitute a limitation upon any right to propose such amendments or modifications which may be conferred by the Act.

Section 6. Presidential Powers.

This Code, and all the provisions thereof and of any chapter thereof, are expressly made subject to the right of the President, in accordance with the provisions of subsection (b) of Section 10 of the Act, from time to time to cancel or modify any order, approval, license, rule or regulation issued under Title 1 of the Act and specifically, but without limitation, to the right of the President to cancel or modify his approval of this Code, or of any additional chapter thereof or any conditions imposed by him upon such approval.

*Captions, where omitted in official draft, have been added by Construction League.

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Phone TRinity 0241 for — Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
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$246,000 KERN SCHOOL BUILDING PROGRAM READY

Districts Approve Bond Issues By Big Majorities to Get PWA Aid

With bond elections carrying this week for two school additions in Tehachapi and one in Buttonwillow, and allotments approved by the PWA for buildings or additions at Indian Wells Valley Un. School district, Richland at Shafter, Delano and Inyokern, a $246,000 educational building program in Kern county is projected, Architect Edwin J. Symmes, Bakersfield, announced yesterday. Approximately $85,000 of this total will be in federal grants, which is 30 percent of the amount of labor and materials. These projects are the first school buildings to receive PWA allotments in Kern county.

The Tehachapi High School bond election Tuesday carried, 270 to 37, and the grammar school, 200 to 19.

Buttonwillow's bond issue Monday carried, 60 to 1. The allotment for two classrooms and additional facilities is $11,000.

The Tehachapi elementary school allotment is for $43,000 and will include five classrooms, an assembly hall and cafeteria, which may be used as a community hall with kitchen facilities.

The high school calls for an expenditure of $40,000 and includes four classrooms, shop, sanitary facilities, adequate showers; and a boiler plant for the old and new units.

Richland's allotment is $81,000, for a new school, and Delano's $60,000 for an auditorinm.

Indian Wells Valley proposes to build an $11,000 frame stucco building with two classrooms, stage, accordion doors, combined office and library, storage room for supplies and kitchenette.

In each case the district will receive an outright grant from the federal government of 30 percent of all labor and materials costs. Interests on the bond money is four percent.

Drawings for the Tehachapi High School are on file in the PWA office; Buttonwillow and Tehachapi grammar school drawings are now in the hands of the state architect; those of Richland are completed and are to be sent to the state architect, and Delano and Inyokern drawings and specifications will be completed by the end of the week, Mr. Symmes said.

Bids March 1 For Morgan Hill Water System

Bids on another project financed by Public Works Administration funds were invited yesterday when the Morgan Hill City Council set March 1 as the date for receiving proposals on the reconstruction of the municipal water system.

The estimated cost of the work is between $45,000 and $50,000, for which general obligation bonds have been voted to supplement a grant of 30 percent of the cost of labor and materials pledged by the PWA. The bonds are to be accepted as security for the balance of the funds needed.

The contract includes laying about 30,000 feet of mains, installation of pump equipment and construction of a concrete reservoir. **(A complete list of items appears in today's Advance Report section).**

C. C. Kennedy, Call Bldg., San Francisco, is consulting engineer.

Huge Motor Order Placed by U. S. For Ft. Peck Dam

The General Electric Company will supply the electric motor equipment for dredging service in connection with the projected Fort Peck dam across the Missouri river in eastern Montana. This equipment to be built at a cost of more than three - quarters of a million dollars, will include twenty-one 2,500 hp. main pump motors, five 700 hp. cutter motors, and five 150 hp. winch motors, all of the wound-rotor type, as well as the necessary control apparatus. The motors will be used to equip four dredges, four floating booster stations, and four land stations. The dredges will be employed by army engineers to move about 1,325,000 tons of material from the bed of the upper Missouri river. It is estimated that the entire cost of the construction work on the new dam, which will be done in stages over four years, will approximate $59,000,000.

The body of water which will be backed up by the proposed dam will have a shore line of more than 1520 miles and will cover over 17,000,000 acres of land now occupied by 300 ranches and two small settlements. The lake will extend 174 miles. The dam will assure a dependabe river channel eight or nine feet deep for navigation purposes.

The dredges will be assembled at Fort Peck, Mont., and it is estimated that 41 railroad cars will be required to transport the General Electric apparatus, which will weigh more than 1,760,000 pounds, to that place.

FIVE OREGON SPANS TO COST $5,000,000

PWA Will Aid State in Financing Coast Highway Structures This Year

Approval of a $5,000,000 allocation to the state of Oregon for construction of five bridges on the coast highway clears the way for these projects which are a part of the 1934 program of the highway department. Plans will be ready for contractors shortly, according to R. H. Baldock, chief engineer.

The structures will span Yaquina Bay at Newport, Alesa Bay at Waldport, Siuslaw river between Florence and Glenda, Umpqua river between Gardiner and Reedsport and Coos Bay near the city of North Bend.

The Yaquina Bay bridge will consist of three steel arch spans, one channel span of 600 feet and two flanking spans of 350 feet each. The balance of the structure will be 3200 feet long of reinforced concrete arch and viaduct construction. The cost is estimated at $1,128,418.

The Coos Bay bridge which will have a total length of 4958 feet, will have for the central segment a steel cantilever design 1780 feet long. The flanking structures will be a series of reinforced concrete arch and girder spans. The cost is estimated at $2,225,052.

The Siuslaw river bridge will consist of an electrically operated double-leaf affording a clear opening of 140 feet for water traffic, flanked on either side by reinforced concrete bow string arch and viaduct construction. The structure is 1650 feet in over-all length and will cost $470,450.

The design for Alesa Bay is of reinforced concrete throughout and comprises a central group of bow string arches having a vertical clearance of 70 feet flanked on either side by arch and viaduct construction. The structure has an over-all length of 3000 feet and is estimated to cost $711,000.

The Umpqua river crossing is located slightly upstream from the town of Gardiner on the north and crosses the Smith river channel by means of a series of creosoted timber trestle spans carrying a concrete deck. The south or principal channel of the Umpqua river is spanned by means of a 430-foot steel swing span draw bridge flanked on either side by reinforced concrete bow string arch and viaduct construction. The entire structure is 2200 feet in over-all length and is estimated to cost $537,700.

The five projects will involve the following approximate quantities:

62,550 yards of excavation;
450,000 lin. ft. of piling;
122,000 yards of concrete;
10,300,000 lbs. metal reinf.;
12,170,000 lbs. structural steel.

In addition to these major structural materials the projects will require over twelve million feet of lumber and 100 tons of machinery.

STATE HIGHWAY AWARDS

Following are principal State Highway Construction Contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idaho in the four weeks period ending Feb. 15:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Arizona Highway Commission.	Grading, and draining, Globe Showlow Highway	George K. Thompson, Los Angeles	$249,057.45	Jan. 24
Arizona Highway Commission..	Grading, draining, etc., Tempe-Mesa Highway	N. G. Hill and Co., Phoenix	$ 52,974.12	Jan. 24
Arizona Highway Commission..	Base course & road mix, Apache County	Pleasant Hasler Con. Co., Phoenix	$ 88,929.01	Jan. 24
California Highway Commission	Bridge, Los Angeles County	Byerts & Dunn, Los Angeles	$ 26,313.00	Jan. 23
California Highway Commission	Bridge, Los Angeles County	J. R. Lippincott, Los Angeles	$ 16,886.00	Jan. 23
Nevada Highway Commission...	4.98 miles highway reconstruction, Churchill County	Union Paving Co., San Francisco	$123,645.98	Jan. 24
Oregon Highway Commission...	Grading & surfacing, Polk Co.	Earl L. McNutt, Eu-		
Oregon Highway Commission...	8.89 miles regrading, etc., Wallowa County	Hart Const. Co., La Grande, Ore.	$ 83,867.00	Jan. 20
Oregon Highway Commission..	Paving, Hood River County	United Contracting Co. Portland	$ 11,650.00	Jan. 20
Oregon Highway Commission...	4.24 miles paving, Marion Co.	Theo. Arenz, Portland	$ 80,507.00	Jan. 20
Oregon Highway Commission...	Paving 1.23 miles, Multnomah County	Jacobsen - Jensen, Portland	$ 67,915.00	Jan. 20
Oregon Highway Commission...	Bridges, Clatsop County	Averhill and Philpot, Portland	$ 10,475.00	Jan. 20
Oregon Highway Commission...	Bridge, Yamhill County	Shattuck and Neland, Portland	$ 17,312.00	Jan. 20
Oregon Highway Commission..	Bridge, Linn County	J. J. Badraun, Portland	$ 33,206.50	Jan. 22
Utah Highway Commission	Bridges, Sevier County	Ora Bundy, Ogden	$ 32,071.30	Jan. 22
Utah Highway Commission	4.534 miles surfacing, Cache Co.	Wheelwright Const. Co., Ogden	$ 19,043.50	Jan. 22
California Highway Commission	8.6 miles grading and paving, Los Angeles County	Griffith Company, Los Angeles	$ 73,917.90	Jan. 25
California Highway Commission	Overehad crossing, Ventura Co.	Lindgren & Swinerton San Francisco	$ 83,975.00	Jan. 26
California Highway Commission	10.2 miles grading and paving, San Diego County	Griffith Company, Los Angeles	$304,154.00	Jan. 30
Washington Highway Com.	4.8 miles grading and surfacing, Snohomish County	G. A. Banderet, Bryn Mawr, Cal.	$ 87,543.00	Jan. 25
Washington Highway Com.	1.2 miles grading, Chelan Co.	Pearson, Strom and Lind, Seattle	$ 59,885.00	Jan. 25
Washington Highway Com.	2.4 miles grading and surfacing, Snohomish County	L. J. Dowell, Inc., Seattle	$ 56,990.00	Jan. 25
Washington Highway Com.	Undercrossing, etc., Pend Oreille County	Arnett & Son, Sandpoint, Idaho	$ 17,571.00	Jan. 25
Utah Highway Commission	7.623 miles surfacing, Washington County	B. D. Palfreyman, Provo, Utah	$155,943.80	Jan. 25
California Highway Commission	Bridge, Los Angeles County	Bannister-Field, & F. E. Potts, L. A.	$ 40,916.00	Jan. 31
California Highway Commission	2.7 miles grading and surfacing, Santa Barbara County	J. E. Haddock, Pasadena	$198,426.00	Feb. 2
Washington Highway Com.	7.9 miles surfacing, Wahkiakum County	Newport Const. Co., Portland	$ 27,073.00	Feb. 1
Washington Highway Com.	1.3 miles surfacing, Snohomish County	E. J. Templeton & Co. Everett	$ 52,007.00	Feb. 1
Washington Highway Com.	2.2 miles paving, etc., Thurston County	Jos. Warter, Sr., Tacoma	$ 60,455.00	Feb. 1
Washington Highway Com.	1.7 miles paving, etc. King Co.	Jos. Warter, Sr., Tacoma	$ 62,443.00	Feb. 1
Washington Highway Com.	Bridges, Pacific County	H. R. Brumbach, Ilwaco, Wash.	$ 24,200.00	Feb. 1
Washington Highway Com.	1.5 miles paving, King County	Moceri Bros., Seattle	$ 95,599.00	Feb. 1
California Highway Commission	Bridges, San Diego County	Bodenhamer Const. Co., San Diego	$ 67,505.00	Feb. 7
Washington Highway Com.	1.3 miles surfacing, Lewis Co.	Washington Asphalt Paving Co., Seattle	$ 34,976.00	Feb. 8
Washington Highway Com.	1.7 miles surfacing, Grays Harbor County	I B Covello, Seattle	$ 75,772.00	Feb. 8
Washington Highway Com.	1.9 miles paving, Cowlitz Co.	Goetz & Brennan, Seattle	$ 69,904.00	Feb. 8
Washington Highway Com.	3.7 mi. surfacing, Jefferson Co.	R. O. Dail, Aberdeen	$ 17,619.00	Feb. 8
Washington Highway Com.	2.3 mi. bituminous surfacing, Jefferson County	I. F. Forbes, Olympia	$ 13,375.00	Feb. 8
California Highway Commission	7.3 miles grading and paving in San Diego County	V. R. Dennis Const. Co. San Diego	$168,044.00	Feb. 9
Idaho Highway Commission	Bridge, Canyon Co., Idaho	J. M. Sharp, Boise	$ 10,226.00	Feb. 10
Arizona Highway Commission	Widen and extend pavement, Phoenix	Phoenix-Tempe Stone Co., Phoenix	$ 64,872.06	Feb. 10
Arizona Highway Commission	Railroad overpass, etc., Arizona	Vinson and Pringle, Phoenix	$ 42,528.00	Feb. 10
Arizona Highway Commission	Grading, etc., Prescott	Lee Moor Contr. Co., El Paso, Texas	$ 20,813.54	Feb. 10
California Highway Commission	1 mile grading and paving, Los Angeles County	C. O. Sparks, Los Angeles	$181,791.00	Feb. 13
California Highway Commission	15.4 miles grading and paving, Los Angeles County	Griffith Co., Los Angeles	$168,587.00	Feb. 13
California Highway Commission	Bridges, Los Angeles County	Clinton Const. Co., San Francisco	$ 93,019.50	Feb. 13
California Highway Commission	0.8 miles grading and paving, Los Angeles County	Oswald Bros., Los Angeles	$ 63,923.50	Feb. 13

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
64	Scott	Callaghan	1000
65	Liebes	Emanuel	3000
66	Kystone	Hannah	1600
67	Molenare	Sangiacomo	6000
68	Arnott	Owner	4000
69	Arnott	Owner	4000
70	Arnott	Owner	4000
71	Arnott	Owner	4800
72	McVine	Sartoria	2009
73	Leader	Unit	4000
74	Williams	Staff	3500
75	O'Rourke	Lindsay	2000
76	Venitian	——	11000
77	Clover	Owner	1500
78	S. F.	Petersen	2009
79	Kearse	Owner	2500
80	Pieri	Ferroni	9000
81	Newman	Owner	7500
82	Blum	Owner	3000
83	Alderson	Mattock	1000
84	Spreckels	Owner	3000

ALTERATIONS
(64) 2301 SCOTT ST.; alter dwelling.
Owner—Mrs. Scott, 2301 Scott St.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St. $1000

ALTERATIONS
(65) SE POST AND GRANT; alter store.
Owner—H. Liebes & Co., Post Street and Grant Ave.
Engineer—W. Adrian, 417 Market St.
Contractor—L. & E. Emanuel, Inc., 2665 Jones St. $3000

ALTERATION S
(66) HYDE AND WASHINGTON. Alter public garage.
Owner—Keystone Apartments, Inc., Premises.
Architect—Not Given.
Contractor—J. D. Hannah, 251 Kearny St., San Francisco. $1600

STORE
(67) SW BALBOA ST. and Thirty-seventh Ave. One-story frame store.
Owner—G. and A. Molinare, % L. Dollarso, 32 Jansen St., S. F.
Architect—Not Given.
Contractor — Sangiacomo & Ghezzi, 422 9th Ave., S. F. $6000

DWELLING
(68) W TWENTY-SIXTH AVE. 306 N Ocean Ave. One-story and basement frame dwelling.
Owner—James Arnott & Son, 633 Taraval St., San Francisco.
Architect—Not Given. $4000

DWELLING
(69) W TWENTY-SIXTH AVE. 438 N Ocean Ave. One-story and basement frame dwelling.
Owner—James Arnott & Son, 633 Taraval St., San Francisco.
Architect—Not Given. $4000

DWELLING
(70) W TWENTY-SIXTH AVE. 394 N Ocean Ave. One-story and basement frame dwelling.
Owner—James Arnott & Son. 633 Taraval St., San Francisco.
Architect—Not Given. $4000

DWELLING
(71) W TWENTY-SIXTH AVE. 350 N Ocean Ave. One-story and basement frame dwelling.
Owner—James Arnott & Son, 633 Taraval St., San Francisco.
Architect—Not Given. $4800

ALTERATIONS
(72) SW GRANT AVE. and California St.; alter store.
Owner—H. H. McVine, 742 Market.
Architect—Not Given.
Contractor—P. Sartorio, 681 Market. $2000

ALTERATIONS
(73) 55 FIFTH ST.; alter store.
Owner—Leader Daily Lunch, Inc., 55 Fifth Street.
Architect—Not Given.
Contractor—Unit-Built Fixture Co., 963 Harrison St. $4000

DWELLING
(74) E TWENTY-SIXTH AVE. 280 S Ocean Ave. One-story and basement frame dwelling.
Owner—Carl Williams, 70 6th Ave., San Francisco.
Architect—Not Given.
Contractor—Edward Staff, 2366 33rd Ave., San Francisco. $3500

STORE
(75) SE ALABAMA AND TWENtieth Sts. One-story frame store.
Owner—George O'Rourke, 2848 Bryant St., San Francisco.
Architect—Not Given.
Contractor—Boyd C. Lindsay, 183 Oxford St., San Francisco. $2000

BAKERY
(76) NE POWELL AND FRANCISCO One-story Class C bakery.
Owner — Venitian Baking Co., 1429 Grant Ave., San Francisco.
Architect — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor—Not Selected. $11,000

ALTERATIONS
(77) SW FRONT AND WASHINGton. Alter produce market.
Owner—Clover Realty Co., 645 Russ St., San Francisco.
Engineer—Jesse Rosenwald, 525 Market St., San Francisco $1500

ALTERATIONS
(78) NO. 419 MENDEL ST. Alter factory.
Owner—S. F. Casing Co., Premises.
Architect—Not Given.
Contractor—Antone Petersen, 2758 San Bruno Ave., $2000

ALTERATIONS
(79) NO. 47 CAINE ST. Alter dwelling.
Owner—C. Kearse, 47 Caine St., San Francisco.
Architect—Not Given. $2500

FLATS
(80) NW BUCHANAN AND GREENwich Sts. Three-story and basement frame flats and stores.
Owner—P. Pieri, Care Architect.
Architect—F. Amandes, 1879 18th Ave., San Francisco.
Contractor—G. Ferroni & Sons, 1964 Filbert St. 9000

FLATS
(81) S BEACH 128 E Fillmore Street. Two-story and basement frame flats.
Owner—H. Newman, % Architect.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Sub-Contracts. $7500

DWELLING
(82) SE HALE AND MERRILL STS. One-story and basement frame dwelling.
Owner—Joe Blum, 212 Silliman St., San Francisco.
Architect—Not Given.
Contractor—Joe Blum, 212 Silliman St., San Francisco. $3000

ALTERATIONS
(83) NO. 2649 GREEN ST. Alter dwelling.
Owner—Dr. Henry Alderson, Prem.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor — A. F. Mattock Co., 212 Clara St., S. F. $1000

ALTERATIONS
(84) NO. 2 PINE ST. Alter offices.
Owner—J. D. and A. B. Spreckels Securities Co., Premises.
Architect — George W. Kelham, 315 Montgomery St., S. F. $3000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
59	State	Owner	2395
60	Bank	Owner	1800
61	Bradley	Owner	2000
62	Union	QRS	1500
63	Pfrang	Owner	10000
64	Hagstrom	Atkinson	1000
65	Alameda Co.	McDonald	337,408
66	Pittsburg	Owner	2000
67	Hieronymous	Anderson	2200
68	Radley	Erickson	1100
69	San Jose	Lindgren	9500
70	Standard	Alphons	8422

ALTERATIONS
(59) NO. 319-21 CLAY ST., **OAKLAND** Alterations.
Owner—State Emergency Relief Administration, 611 State Bldg., San Francisco.
Architect—Not Given. $2395

ALTERATIONS
(60) NO. 2356 TIFFEN ROAD, **OAKLAND.** Alterations and additions
Owner—Bank of America N. T. & S. A., 12th and Broadway, Oakland.
Architect—Not Given. $1800

REPAIRS
(61) NO. 2944 AVALON AVE., **BERKELEY.** Repair fire damage.
Owner—P. R. Bradley, Premises.
Architect—Not Given. $2000

SIGN
(62) NO. 1230 WASHINGTON ST., **OAKLAND.** Electric sign.
Owner—Union Furniture Co.
Architect—Not Given.
Contractor—QRS Neon Corp., 690 Potrero Ave., San Francisco. $1500

DWELLING
(63) NO. 6191 ACACIA AVE., **OAKLAND.** Two-story 8-room dwlg. owner, H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—Not Given. $10,000

PLATFORM
(64) NO. 10626 E-FOURTEENTH ST. **OAKLAND.** Concrete loading platform.
Owner—Hagstrom Food Stores, 10626 E-14th St., Oakland.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland. $1000

BRIDGE
(65) NORTH END of PARK Street, **ALAMEDA;** steel bridge joining Oakland and Alameda.
Owner—County of Alameda.
Engineer—Burnett Hamilton, 5th and Broadway, Oakland.
Contractor—MacDonald & Kahn, 200 Financial Center Bldg., San Francisco.
Est. cost of one-half struc., $337,408

ALTERATIONS
(66) 1125 CASTRO ST., **OAKLAND;**
Owner and Builder—Pittsburg Plate Glass Co., 1125 Castro St., Oakland.
Architect—Not Given. $2000

ALTERATIONS
(67) NO. 2242 SANTA CLARA AVE., **ALAMEDA.** Alter frame office building.
Owner—Fay L. Hieronymous, Oakland.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. $2200

DWELLING
(68) NO. 2037½ CLINTON AVE., **ALAMEDA.** One-story three-room frame and stucco dwelling.
Owner—Minnie Radley, 2037 Clinton Ave., Alameda.
Plans by Owner.
Contractor — Erickson & Borg, 2221 Buena Vista Ave., Alameda. $1100

ADDITION
(69) NO. 1800 MADISON ST., **OAKLAND.** Concrete addition.
Owner—San Jose Pacific Bldg. & Loan Co., 43 Montgomery St., S. F.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland. $9500

CHIMNEY
(70) NO. 921 NINETY-EIGHTH AVE., **OAKLAND.** Concrete chimney.
Owner—Standard Brands of Calif.
Architect—Not Given.
Contractor—Alphons Custodis Chimney Constr. Co., 450 Mission St., San Francisco. $8422

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

4	Howard	Robinson	1495
14	Lux	Bruce	1219
15	Schosser	Petersen	3252

WAREHOUSE
(4) FIRST AND MARKET STS., Oakland. All work for automatic sprinkler system for warehouse No. 11.
Owner—Howard Terminal Co.
Architect—Will G. Corlett, 1801 Bank of America Bldg., Oakland.
Contractor—George M. Robinson & Co. 389 Clementina St., San Francisco.
Filed Feb.8, '34. Dated Feb. 6, '34.
On 10th of each month..... 75%
Usual 35 rays..... 25%
TOTAL COST, $1495
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

PAINTING, ETC.
(14) 550-560 SUTTER ST.; painting, recoating, redecorating, etc.
Owner—Lux School of Industrial Training.
Architect—Not Given.
Contractor—L. M. Bruce, 3553 Divisadero Street.
Filed Feb. 10, '34. Dated Feb. 7, '31.
Payments not given.
TOTAL COST, $1,210

BUILDING
(15) N SIXTEENTH ST. 60 W Mission St. W 57 N 110 E 25 N 50 E 32 S 160 MB 35. All work for two-story and part mezzanine Class A building with sub-sidewalk area; terra cotta work, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Filed Feb. 13, '34. Dated Feb. 10, '34.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $3252.50
Bond, limit, forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

5	Abrew	Holyoke	6263
6	Reieer	Windsor	7986
7	College	Leiter	32587
8	Same	Scott	1695

RESIDENCE AND GARAGE
(5) PTN RANCHO SAN LORENZO, Eden Twp.; general construction on residence and garage.
Owner—Jos. Abrew, Hayward.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—A. Holyoake, 2839 E Ave., Hayward.
Filed and dated, Feb. 10, 1934.
When rafters in place.....$1565.75
First coat of plaster..... 1565.75
When completed 1565.75
Usual 35 days... ..... 1565.75
TOTAL COST, $6263.00
Bond, $6,263. Sureties, Fidelity and Deposit Co. Limit, 90 days. Plans & Spec. filed.

RESIDENCE
(6) LOWER ROAD OF UNIVERSITY Terrace Lot 185 Resubdivision of Upper Piedmont Estates. Piedmont. All work for two-story and basement frame and stucco residense.
Owner—Geo. F. Reiter, 15 Humphrey Place, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland.
Filed Feb. 13, '34. Dated Feb. 10, '34.
Frame up and roof boards in place $2662.30
Plastering finished interior & exterior 2662.30
Deed to Humphrey Place when new building completed and accepted .....
Usual 35 days..... 2662.30
TOTAL COST, $7986.90
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

EDUCATIONAL BLDG.
(7) DANA ST. AND BANCROFT Way, being Lots 5 and 6 Blk 12, Berkeley. Religious educational Building.
Owner — College Avenue Methodist Episcopal Church, Berkeley.
Architect — Geo. Rushforth, 21 San Mateo Drive, Oakland.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland.
Filed Feb. 14, '34. Dated Feb. 6, '34.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $32,587
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filtd.

(8) HEATING WORK ON ABOVE.
Contractor—The Scott Co., 113 10th St., Oakland.
Filed Feb. 14, '34. Dated Feb. 6, 34.
Payments same as above.....
TOTAL COST, $1695
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER hotel and store, $150; 812 Clay St.; owner, Faw Yap Chuck, 918 Sacramento St.
ALTER shed, $50; 531 Union St.; owner, John Picetti, 525 Union St.
ALTER stores, $350; SW Taraval St. and 25th Ave.; owner, F. Trachsler, 331 Capp St.; architect, Fabre &. Hildebrand, 110 Sutter St.
SIGN, wood, $50; 799 O'Farrell St.; owner, White Log Tavern, Ltd., 499 O'Farrell St.
SIGN, electric, $50; 1331 Polk St.; owner, Austin Cigar Co., 1331 Polk St.; contractor, State Mfg. Co., 55 Rausch St.
ALTER wholesale house, $450; Embarcadero, bet. Jackson St. & Pacific Ave.; owner, Wellman, Peck & Co., % Architect; architect, J. E. Krafft & Sons, Phelan Bldg.; contractor, H. L. Petersen, 731 Treat Ave.
ALTER store front, $700; 2255 Chestnut St.; owner, Martin Stelling, Jr., % Contractor; architect, Bertz Winter & Maury, Monadnock Bldg.; contractor, Young & Horstmeyer, 461 Market St.
ALTER hotel, $150; 812 Clay St.; owner, Faw Yap Chuck, 918 Sacramento St.
MOVE real estate office from present site to 16th and Taraval, $25; 416 Dewey Blvd.; owner, J. P. Dalby, 380 Wawona St.; contractor, Hanson Bros., 5840 Mission St.
ADD to dwelling, $150; 1258 Quesada Ave.; owner, T. Cheso, 1258 Quesada Ave.; contractor, L. Murer, 1274 Quesada Ave.
STUCCO apartments, $300; 1040 Fulton St.; owner, Mrs. N. Hansen, 50 Claric Drive, San Mateo; contractor, L. Chessewright, 1608 Turk St., and D. Bertocchini, 1348 Vermont St.
ALTER woodshed, $50; 531 Union St., (rear); owner, J. Piccetti, 527 Union St.
SIGN, electric, $150; 2598 San Bruno Ave.; owner, Rankin's Pharmacy, Premises; contractor, American Elec. Sign Co., 1740 Eddy St.
SIGNS (2) electric, $100 each; 1625 Van Ness Ave.; owner, H. O. Harrison Co., Premises; contractor, State Mfg. Co., 55 Rausch St.
ALTER theatre, $95; 1070 Market St. owner, Paramount Properties, Inc. 300 Paramount Bldg., 323 W. 6th Street, Los Angeles; contractor, Phoenix Simpton Co., 520 6th St.
ALTER store, $-4; 1175 Market St.; owner, Crystal Palace Public Market, 1175 Market St.; contractor, Star Ornamental Iron Works, 1271 Folsom St.
REPAIR fire damage to dwelling, $192; 218 Jersey St.; owner, Wiseman, 2048 Market St.; contractor, Ira W. Coburn, 2048 Market St.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $50; 1441 Franklin St., Oakland; owner, Wm. J. Baccus Jr., Premises.
WRECK building, $100; 2215 San Pablo Ave., Oakland; owner, C. B. Orvis, Stockton.
ALTERATIONS, $450; 2082 Broadway, Oakland; agent, F. Bruce Maiden, 420 15th St.; contractor, H. C. Knight, 1435 Harrison St.
ALTERATIONS, $200; 1625 69th Ave., Oakland; owner, H. C. Wilkerson, 2400 Church St.
DWELLING, one-story 2-room, $475; 9837 Walnut St., Oakland; owner, Mrs. A. Amaral, 9839 Walnut St.
ADDITIONS, $175; 1835 San Ramon St., Berkeley; owner, Alex Johnson, Premises; contractor, Oscar Carlson, 659 Santa Barbara Road.
ADDITIONS, $500; 2910 Forrest Ave., Berkeley; owner, N. L. McLaren, 2910 Forrest Ave.; contractor, J. M. Walker, 1709 Grove St.
ALTERATIONS, $240; 2510 Bancroft. Berkeley; owner, Mrs. Obrien, 2510 Bancroft; contractor, C. H. Faren, 1612 Derby St.
ALTERATIONS, $200; 969 8th St., Oakland; owner, H. C. Franzen, 2415 99th Ave.; contractor, C. H. Franzen, 883 54th St.
ADDITION, $160; 675 36th St., Oakland; owner, L. B. Trenchel, 675 36th St.
BILLBOARD, $125; NW 14th and Kirkham Sts., Oakland; owner, Foster & Kleiser, 22nd & Market
WAREHOUSE, one-story, $300; 1575 15th St., Oakland; owner, American Creamery Co., 1310 14th St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

February 10, 1934

Construction To Start Shortly.
APARTMENTS Cost, $3,230,000
SAN FRANCISCO. Old I. O. O. F. Cemetery property, bounded by Turk St., Parker Ave., Geary St., and Arguello Blvd.
Group of eleven fireproof apartment houses, 2- 3- and 6-story structures (886 apartments).
Owner—Roosevelt Terrace Housing Development, Henry E. Monroe, president, 275 Bush Street.
Architectural Board—Miller & Pfleuger, 580 Market St.; Arthur Brown Jr., 251 Kearny St.; George Kelham, 315 Montgomery St.; W. P. Day, Financial Center Bldg., and Douglas D. Stone, 110 Sutter St.
Contractor—Lindgren and Swinerton, Inc., 225 Bush Street.
City Planning Commission has approved the rezoning of the property for the above project. Plans will be forwarded to Washington for approval. Public Works Administration approved the loan of $2,230,000 to finance construction.
(2789) 1st report Oct. 9, 1933; 3rd, Feb. 8, 1934. 1

PLANS COMPLETE.
LOS ANGELES, Cal.—Security Finance and Building Co., builder, 719 Guaranty Bldg., applied for building permit Feb. 9 to erect two-story, 24-room, eight-family, frame and stucco apartments at 1251-57½ S Wilton Pl., for Walter B. Leiner, owner, 719 Guaranty Bldg.; M. J. Black, architect, 807 N Spaulding Dr.; 57x98 ft., mission tile roof, plastered brick chimney, ornamental iron. Cost, $25,000.

Planned.
APARTMENTS Cost, $——
SACRAMENTO, Sacramento Co., Cal. Riverside Blvd. N Fremont Way.
Apartment building (6 apartments).
Owner—Wm. Murcell, 2015 23rd St., Sacramento.
Architect—Not Given.
Application has been filed with the city planning commission for approval.

2— BONDS

BONDS SOLD.
LOS ANGELES, Cal.—A syndicate headed by R. H. Moulton & Co., purchased a $5,000,000 block of water works bonds February 9 at par, accrued interest at 5% to date of delivery and a premium of $10,232. The issue is part of the $38,800,000 issue voted May 20, 1930. The syndicate is composed of the following firms: R. H. Moulton & Co., Security-First National Bank, Dean Witter & Co., Blythe & Co., First of Boston Corp., Kean, Taylor & Co., Griffith, Wagenseller & Durst, City Company of New York, Bankers Trust Co., Anglo California National Bank, Bankamerica Co., R. W. Pressprich & Co., Kelley, Richardson Co., First of Michigan Corp., Eldredge & Co., Inc., Union Bank & Trust Co., Wm. R. Staats Co., Heller, Bruce & Co., California Securities Co.

4— FACTORIES & WAREHOUSES

To Be Done By Day's Work.
SHOP Cost, $2000
OAKLAND, Alameda Co., Cal. No. 1483 Hopkins Street.
One-story shop building.
Owner—McGuire & Hester, 1483 Hopkins St., Oakland.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 390 N-San Pedro Street.
Alterations to building.
Owner — Santa Clara Fruit & Berry Growers Association.
Architect—Binder & Curtis, 35 W-San Carlos Sts., San Jose.
Contractor — V. Lanotti, Hicks St., San Jose.

To Be Done By Day's Work.
PUMP HOUSE Cost, $3000
SAN MATEO, San Mateo Co., Cal. Bayshore Blvd., Lot 19 Blk 23.
Pump house and steel tank.
Owner—California Water Service Co., 316 Linden Ave., San Mateo.
Plans by Engineering Dept. of Owner.

Planned.
WINERY Cost, $50,000
VISALIA, Tulare Co., Cal.
Construct winery.
Owner—Mount Whitney Winery, Inc., (James Erkskine), Visalia.
Architect—Not Given.
Articles of incorporation have been filed with the County Clerk.

February 10, 1934

Planned.
PLANT Cost, $——
BATES STATION, Madera Co., Calif. 1,120-acre site.
Construct new granite plant.
Owner—Kingsland Granite Co. (Wm. A. Hubbard, vice-president) 602 Belmont Ave., Fresno.
Plans by Owner.
Grading—Thompson Const. Co., care owner. 4

Planned.
DISTILLERY Cost, $300,000
STOCKTON, San Joaquin, Cal. Port of Stockton (Rough and Ready Island).
Construct distillery.
Owner—Dunlievy Distilling Corp., San Diego.
Architect—Not Given.
Proposed plant is in a very preliminary stage and further details will be announced at a later date.

Acoustic Tile Contract Awarded.
MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manuafcturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Pattitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Acoustic Tile — Malott & Peterson, 20th and Harrison Sts., S. F.
Other awards previously reported.
Plumbing and electrical bids will be taken by the architect shortly.

Planned.
ADDITION Cost, $25,000
MARYSVILLE, Yuba Co., Cal.
Addition to meat packing plant.
Owner—Valley Meat Co. (J. W. Johnson, President), Marysville.
Architect—Not Given.

PLANS COMPLETE.
LOS ANGELES, Cal.—Francisco & Jacobus, architects, New York City, applied for building permit Feb. 9 to construct 2-story, Class A reinforced concrete addition to factory building at 3820 Union Pacific Ave. for Continental Can Co., Inc., owner, 3820 Union Pacific Ave.; 174x200 ft., composition covered reinforced concrete sawtooth type roof, skylights, metal roof vents, structural steel, steel sash, brick and tile filler walls. Celotex insulation, copper condensation gutters, copper louvres and screens, metal door jambs, overhead shipping doors, cast iron wheel guards, metal column guards, reinf. concrete floors, electric elevator, automatic sprinkler system, drinking fountains, electric dinking water coolers; cost, $150,000.

Planned.
WINERY Cost, $50,000
LODI, San Joaquin Co., Cal. Haight Station.
Construct winery and cooperage (750,000 gallon capacity).
Owner—Bear Creek Vineyard Assn. (L. K. Marshall, Gottfried Handel, Joseph Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Not Given.
Articles of incorporation were filed in Sacramento and further details will be announced shortly.

Planned.
WINERY Cost, $150,000
DELANO, Kern Co., Cal. 10 Acre Lot.
Construct new winery (storage building, fermenting building, fruit distillery, sherry house, brandy building, boiler room, concentrating room, etc.)
Owner — California Grape Products Co. (Horace O. Lanza), 85 Second St., San Francisco.
Engineer to be selected.
An engineer will be selected within thirty days.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 419 Mendel Street.
Alterations to factory.
Owner—San Francisco Casing Co., 419 Mendel St., San Francisco.
Architect—Not Given.
Contractor — Antone Petersen, 2758 San Bruno Ave., San Francisco.

PLANNED.
LONG BEACH, Cal.—Schinner-Hofman Brewing Co. has opened offices at 133 E First St., Long Beach, and announces plans are under way for a brewery to be erected just north of the city near Long Beach Boulevard.

The company proposes investing about $150,000 in the building and equipment.

Additional Sub-Contracts Awarded.
ADDITION Cost, $10,000
SAN FRANCISCO. 333 Brannan St.
Two - story structural steel and brick addition to rear of warehouse.
Owner—San Francisco Warehouse Co., 625 Third Street.
Engineer—Ellison and Russell, Pacific Building.
Contactor—Barrett & Hilp, 918 Harrison Street.
Steel Sash—Soule Steel Company, 1750 Army Street.
Electric—Frank J. Klimm, 456 Ellis St.
Lumber—Loop Lumber Co. Central Basin.
Other awards previously reported.

BIDS OPENED.
FORT LEWIS, Wash.—As previously reported, Nelse Mortensen Co., 1021 Westlake Ave. North, Seattle, submitted low bid at $46,920 to the Constructing Quartermaster, Fort Lewis, for the construction of two stables at Fort Lewis. Other bids follow:

Geo. H. Buckner Co.	$50,499
Howard Engineering Co.	50,999
Hendrickson - Alstrom Co.	51,958
William Wills	52,380
Harry Boyer & Sons Co.	53,800
A. F. Larson	57,773
A. D. Balenger & Co.	58,000
George H. Lohrer	61,000
Western Const. Co.	61,875

One structure will be 390 feet long and 35 feet wide, and one will be 100 feet long and 35 feet wide, of brick and steel construction, steel roof trusses, tile roofing, concrete floors, metal sash, etc.

Plans Being Figured—Bids Close Feb. 20th.
WAREHOUSE Cost, $35,000
KLAMATH FALLS, Ore. Riverside Avenue.
One-story reinforced concrete warehouse (60x160-ft.)
Owner—Great Northern Railway Co.
Plans by Engineeing Dept. of Owner.

Structural Steel Contract Awarded.
WINERY Cost, $15,000
LOS GATOS, Santa Clara Co., Cal. Los Gatos Novitiate.
Two-story concrete winery (50x60 ft.) concrete floors and roof, new equipment, etc.
Owner—Sacred Heart Novitiate, Los Gatos.
Architect—Not Given.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.
Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.

5— FLATS

PLANS PREPARED.
SANTA PAULA, Ventura Co., Cal. —Architect R. C. Wilson, 112 Mill St., Santa Paula, has prepared plans for a box storage shed to be erected on N Olive St., Santa Paula, for the Mupu Citrus Assn. It will be a wood frame structure, 32x288 ft. in area, with concrete foundations and sheet metal roof.

To Be Done By Day's Work.
FLATS Cost, $12,000
SAN FRANCISCO. Beach Street near Fillmore Street.
Two-story and basement frame and stucco flats 2 6-room flats); canvas walls and ceilings, tiled baths, tar and gravel roof, warm air heating system, etc.
Owner—Withheld.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

PLANNED.
LOS ANGELES, Cal.—Southern Foundation, Ltd., Wm. J. Pearson, vice-president, 1209 E 14th St. is having plans prepared for a four-story unit to be added to the company's distillery at 1209 E 14th St. Construction will be handled by owner.

PLANS COMPLETED.
LOS ANGELES, Calif. — Architects Francisco & Jacobus, New York City, have prepared plans for a two-story, Class A unit, 174x200 ft. in area, to be added to the Continental Can Company's factory at 3820 Union Pacific Ave. One of the company's representatives is expected in the city within a few days to take bids for the structure. It will have concrete caissons and footings, concrete walls and roof, sawtooth type roof construction, skylights, structural steel, brick and tile filler walls, steel sash, metal clad doors, steel rolling shutters, waterproofing materials, insulation materials, wire glass, copper gutters, louvres and screens, metal door jambs, overhead doors, cast iron wheel guards concrete floors, electric elevator, automatic sprinkler system, drinking fountains, electric water coolers, etc. Estimated cost $150,000.

Contract Awarded.
FLATS AND STORES Cost, $10,000
SAN FRANCISCO. NW Buchanan & Greenwich Streets.
Three-story frame and stucco flats and stores.
Owner—P. Pieri, % Architect.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—G. Ferroni & Sons, 1964 Filbert St., San Francisco.

Plans Being Figured—Bids Close Feb. 21st.
FLATS Cost, $22,000
SAN FRANCISCO. North Point East Fillmore Street.
Three-story and basement frame and stucco flats (3 flats) (2 flats with 4 bedrooms and 4 baths; 1 flat with bedroom, bath and social room) slate roof, steam heating system, tiled baths, hardwood floors, etc.
Owner—Mrs. Scarpulla.
Architect—Chas. Strothoff, 2274 15th Street.

6—GARAGES & SERVICE STATIONS

Contract Awarded.
ALTER GARAGE Cost, $1600
SAN FRANCISCO. Hyde and Washington Streets.
Alterations to public garage. (Class C concrete construction).
Owner — Keystone Apartments, Inc., Premises.
Architect—Not Given.
Contractor—J. D. Hannah, 251 Kearny St., San Francisco.

Planned.
SERVICE STATION Cost, $——
SAN LEANDRO, Alameda Co., Calif. NE Cambridge Ave. and E 14th.
Construct steel service station (sales building, oil and greasing building)
Owner—Union Oil Co., 220 Bush St., San Francisco.
Plans by Engr. Dept. of Owner.

Plans Being Figured.
SERVICE STATION Cost, $——
REDWOOD CITY, San Mateo Co., Cal. Middlefield Road and Chestnut St.
One-story steel service station.
Owner—Dave L. Walter, 2198 Broadway, Redwood City.
Architect—Not Given.
Bids are being received by owner.

7—FEDERAL BUILDING

ADDITIONAL PROSPECTIVE BIDDERS.
PEARL HARBOR, T. H.—Following are additional contractors who have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 28 for the construction of a steam generator plant at the Naval Fleet Air Base, Pearl Harbor.; Spec. No. 7438.
Thomas L. Dawson Co., 2035 Washington St., Kansas City, Mo.
Bailey's Meter Co., 1050 Ivanhoe Road, Cleveland.
Honolulu Iron Works, 165 Broadway, New York City.
National Airoll Burner Co., 1327 Girard Ave., Philadelphia.

BIDS WANTED.
FRANCE FIELD, Canal Zone.—Until March 5, bids will be received by the Construction Division, Army Department, Washington, D. C., for the construction of 2 barracks at France Field. Estimated cost, $269,000.

BIDS WANTED.
SAN FRANCISCO.—Until Feb. 21, 11 A. M., bids will be received by the Public Works Officer, 12th Naval District, 100 Harrison St., for plaster work and painting at Quarters No. 1, Receiving Ship, Yerba Buena Island. Spec. No. 7632. Plans and specifications may be obtained from the Commandant, 12th Naval District and Naval Operating Base, 100 Harrison St., upon deposit of $5.00.

LOW BIDDER.
SUMMIT, C. Z., and Lualualei, Oahu T. H.—United States Steel Products Co., Washington, D. C., submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for 300 ft. and 600 ft. steel radio towers at the Naval Radio Stations, Summit and Lualualei; Spec. No. 7524. Bids read as follows:
(1) six 600- and three 300-ft. towers at Summit, $259,770.
(2) seven 600- and three 300-ft. towers at Summit, $295,640.
(3) eight 600- and three 300-ft. towers at Summit, $331,580.
(4) six 600- and three 300-ft. towers at Oahu, $250,000.
(5) seven 600- and three 300-ft. towers at Oahu, $284,440.
(6) eight 600- and three 300-ft. towers at Oahu, $318,900.
(7) six 600- and three 300-ft. towers at Summit and six 600- and three 300 ft. towers at Oahu, $494,530.

PLANS COMPLETED
HOLLYWOOD, Los Angeles Co., Cal. —Architect Claud Beelman, 1019 Union Bank Bldg., and Architects Allison & Allison, 1014 Edison Bldg., have completed revised sketches for the U. S. post office building to be erected at the NW corner of Wilcox and Selma Avenues, Hollywood. The building is being designed along modern Greek lines. It will be part one- and part two-stories in height and will cover an area of 202-134 feet. Appropriation for the structure is $214,500.

TO ASK BIDS
SACRAMENTO, Cal.—Bids will be asked shortly by the Custodian, Sacramento Post Office, for tinting the entire U. S. Post Office building in Sacramento. Specifications are now being written by Architects Starks & Flanders, Forum Bldg., Sacramento.

BIDS REJECTED
HAMILTON FIELD, Marin Co., Cal. —War Department rejected all bids received for the construction of seven

two-story company officers' quarters at Hamilton Field. Lowest bids was submitted by Azevedo & Sarmento, 920 O St., Sacramento, at $101,250. Complete bids published February 7.

Plans will be revised and new bids asked shortly.

CONTRACT AWARDED

FORT LEWIS, Wash. — Howard Wright, Seattle, Wash., at $57,940 awarded contract by Constructing Quartermaster, Fort Lewis, for the construction of an ordnance repair shop at Fort Lewis, Wash. Complete bids published January 30.

BID CALL CANCELLED

ALAMEDA, Alameda Co., Cal.—Treasury Department has cancelled the call for bids for painting the plaster, etc., in the U. S. Post Office, Alameda. Changes will be made in the specifications and new bids asked shortly. Date for opening bids was previously set for February 13.

BIDS OPENED

SAN LUIS OBISPO, Cal.—Following bids received by the U. S. Disbursing Officer, State Bldg., Sacramento, for the construction of the following at the National Guard Training Camp, San Luis Obispo:

(1) Addition to infirmary;
(2) Photo building;
(3) Supply building;
(4) Bath house and latrine;
(5) Repairs to drill field;
(6) one area for warming up airplanes (concrete);
(7) Repairs to administration building;
(8) Three storage tent floors;
(9) Twelve wall tent floors.

Bidders follow:

(A) George E. Miller, 9401 Brighton Way Beverly Hills.
(B) L. A. Brisco, Arroyo Grande.
(C) Theo. Maino, San Luis Obispo.
(D) Chas. Dorfman, 143 N. La Brea Ave., Los Angeles.

	(A)	(B)	(C)	(D)
(1)	$2444	$2577	$2688	$2847
(2)	2208	2426	2423	2727
(3)	2353	3191	2500	2898
(4)	2498	1854	1900	1935
(5)	4263	5468	4078	4122
(6)	2722	2733	2858	3375
(7)	125	113	138	234
(8)	228	241	190	327
(9)	464	1139	465	768

Bids referred to Washington for approval.

Site Selected.

POST OFFICE Cost, $58,200
PITTSBURG, Contra Costa Co., Cal. Fifth, Railroad and Cumberland.
Construct post office building.
Owner—United States Government.
Architect To Be Selected.

SITE SELECTED.

ORANGE, Calif.—Postoffice Department has selected the old Rochester hotel property at Chapman Ave. and S Lemon St., Orange, as the site for the U. S. postoffice building to be erected in Orange. Appropriation for the project is $64,900.

BIDS OPENED.

WEISER, Ida.—Orange Screen Co., Maplewood, N. J., at $814 submitted low bid to the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., February 8, for insect screens in the U. S. post office at Weiser. Complete bids follow:

Orange Screen Co., Maplewood, New Jersey, $814.00.
Johnson Metal Products Co., Washington, D. C., $1,156; screens for skylight, add $29.12.
Cincinnati Fly Screen Co., Cincinnati, $1,157; for skylight, add $29.
Ceco Weatherstripping and Screen Co., Chicago, $1,160; for skylight, add $32.00.
Chamberlin Metal Weatherstripping Co., Detroit, $1,160.90; for skylight, add $31.57.
Watson Mfg. Co., Jamestown, N. Y., $1,169; for skylight, add $29.
The Robbins Mfg. Co., Chicago, $1,276; for skylight, add $32.
Corry Metal Corp., Corry, Pa., $1,428.00.

COMPLETE BIDS.

PEARL HARBOR, T. H.—As previously reported, E. E. Black, Honolulu, at $214,000 (item 1) and $202,000 (item 2) submitted low bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., for quarters at the Naval Submarine Base Pearl Harbor. Work includes concrete piles and frame work, glazed vitrified tile, steel windows, hollow metal and metal covered work, built-up roofing and sheet metal work, marble, tile and terrazzo work, lathing & plastering, wood doors, frame and finish, and plumbing, refrigerating and electrical systems; Spec. No. 7526.

Complete bids follow:

E. E. Black, Honolulu	(1)	$214,000
	(2)	202,000
	(3)	500
	(4)	194,750
	(5)	184,000
R. E. Woolley, Honolulu	(1)	217,500
	(2)	203,900
	(3)	750
	(4)	194,900
	(5)	182,400
James McLaughlin, S. F.	(1)	221,900
	(2)	212,900
	(3)	.....
	(4)	207,900
	(5)	200,400
Hawaiian Contracting Co.	(1)	239,000
	(2)	225,000
	(3)	500
	(4)	222,000
	(5)	211,000
Walker & Olund, Ltd.	(1)	233,000
	(2)	229,000
	(3)	500
	(4)	232,000
	(5)	221,000

Completing Plans.

POST OFFICE Cost, $90,000
SANTA CRUZ, Santa Cruz Co., Calif. Water Street.
Annex to post office building.
Owner—United States Government.
Plans by Treasury Department, Washington, D. C. (Supervising Architect).

It is expected to ask for bids in about two weeks.

BIDS WANTED

SAN RAFAEL, Marin Co., Cal.—Bids are being received by the Custodian, San Rafael Post Office, for clearing the site of the proposed new U. S. Post Office building in San Rafael.

BIDS REJECTED.

SAN FRANCISCO.—All bids received by the U. S. Forest Service, 85 Second St., for steel trusses, including bracing, metal caps and bases for posts, complete with necessary rough hardware, were rejected because the bids exceeded the available appropriation.

New bids under revised specifications will be received by the U. S. Forest Service, 85 Second St., Feb. 19 at 2 P. M., as follows:

(1) Type I 7 trusses per building for 13 warehouses, 30x80-ft.;
(2) Type II 4 trusses per building for 7 warehouses, 30x50-ft.

Delivery f.o.b. bidder's plant.

Specifications obtainable from above office.

BIDS OPENED.

NAMPA, Ida.—Newman Bros., McMinnville, Oregon, at $469 submitted low bid to the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., Feb. 8 for painting the plaster, etc., in the U. S. post office at Nampa.

Complete bids follow:

Newman Bros., McMinnville	$ 469.00
Smythe & Co., Washington	828.00
T. J. Anderson, Weiser, Ida	1,270.00
Jesse Ashby, East St. Louis	1,898.00
J. A. Holmes, South Nampa	2,553.60

SITE SELECTED.

HUNTINGTON BEACH, Orange Co. Calif.—Postoffice Department has selected property at the southeast corner of Olive and Main Sts., Huntington Beach, as the site for the U. S. postoffice building to be erected in that city; $52,800 appropriated.

BIDS WANTED

SAN DIEGO, Cal.—Until February 20, 11 A. M., bids will be received by Public Works Officer, Naval Operating Base, Eleventh Naval District, San Diego, for extension of roof, provision shed at the Naval Operating Base (Supply Depot), San Diego. Specification No.7624. Work includes wood framing of walls and roof and wood trim; galvanized corrugated steel on exterior walls and roof and galvanized iron gutters, and painting of woodwork. Plans and specifications available from above office upon deposit of $10.

CONTRACT AWARDED

FORT LEWIS, Washington—Hoard Engineering Co., Seattle, Wash., at $97,594 (Bachelor Officers' Quarters), and $72,690 (Administration Building) awarded contract by the Constructing Quartermaster, Fort Lewis, for the construction of Bachelor Officers' Quarters and Administration Building to be erected at Fort Lewis.

Complete bids published Feb. 3.

Additional Sub-Contracts Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
Furnish and Remove Steel Slab Forms—Steelform Contracting Co., 131 Perry St., San Francisco.
Pneumatic Tube System—Anderson & Rowe, 45 Belcher St., San Francisco.
Sheet Metal—Anderson Co., 3103 San Pablo Ave., Oakland.
Wire Mesh and Shrinkage Fabric—Materials Service Co., 33 N. La Salle Sts., Chicago.
Other awards previously reported.

CONTRACT AWARDED

SAN FRANCISCO.—Theo Johanns, 2020 15th St., at $348 awarded contract by Navy Department for wood and glass partitions at the District Staff Headquarters, 100 Harrison St., San Francisco. Spec. No. 7605.

Complete bids published Feb. 8, 1934.

BIDS OPENED

SAN FRANCISCO. — The following bids were received by the U. S. Forest Service, 85 Second St., for steel trusses, including bracing, metal caps, and bases for posts, complete with necessary rough hardware, as follows:

(1) Type 1 7 trusses per bldg., for 13 warehouses, 30x80-ft.;
(2) Type 2 4 trusses per bldg. for 7 warehouses, 30x50-ft.; delivery f. o. b. bidder's plant.

Complete bids and unit prices follows:

(A) Minneapolis Moline Power Implement Co., Minneapolis, Minn., (no discount) f.o.b. Minneapolis (deduct $84 if awarded 1 and 11) (Type I) $450 (Type II) $273 (est. weight per bldg.) $13,000 lbs.; (shipping weight) $7800 lbs.; total $7761; (deduct $84 if awarded I & II) $7677.

(B) Dyer Bros. Golden West Iron Works, San Francisco, $453.05; $258.90; 13,524 lbs.; 7728 lbs.; $7701.

(C) Independent Iron Works, Oakland (½% 10 days) all or none, $453; $272; 12,800 lbs.; 7750 lbs.; $7793.

(D) Golden Gate Iron Works, San Francisco (½%) $467.80; $271; 13,750 lbs.; 8000 lbs.; $7978.

(E) Moore Dry Dock Co., Oakland (no discount) $469.60; $276.15; 12,400 lbs.; 7240 lbs.; $8037.

(F) Palm Iron & Bridge Works, Sacramento (no discount) $473; $274; 13,500 lbs.; 7800 lbs.; $8067.

(G) Schrader Iron W'ks, San Francisco (no discount) $480; $278; 12,500 lbs.; 7300 lbs.; $8186.

(H) Judson Pacific Co., San Francisco (no discount) $496.86 $283.92; 13370 lbs.; 7640 lbs.; $8446.

(I) McClintic Marshall Corp., Alameda (½% 10 days), $525; $305; 11,600 lbs.; 6700 lbs.; $8960.

(J) Herrick Iron Works, Oakland (no discount) $522; $314; 13,250 lbs.; 7930 lbs.; $8984.

(K) Kyle Steel Const. Co., Vernon (½% 10 days) $539.84; $316.65; 12,950 lbs.; 7650 lbs.; $9234.

(L) Western Iron Works, San Francisco (no discount) $542; $340; 11,000 lbs.; 7000 lbs.; $9426.

(M) Consolidated Steel Corp., Ltd., Los Angeles (no discount) $571; $337; 12,672 lbs.; 7324 lbs.; $9782.

(N) Monarch Iron Works, San Francisco (no discount) $576; $338; total $9854.

(O) Modern Iron Works, Ltd., Los Angeles (½% 10 days) $586; $342; 13,192 lbs.; 7528 lbs.; $10,012.

8— CLUB BUILDINGS

Contract Awarded.

ALTERATIONS Cost, $2991
OAKLAND, Alameda Co., Calif. 32 Home Place East.
Alterations and additions to building (tile construction).
Owner—German Pioneer House, premises.
Architect—Not Given.
Contractor—Strehlow and LaVoie, 600 Central Ave., Alameda.

February 10, 1934

Planned.

CLUB IMPROVEMENTS Cost, $—-
LAFAYETTE, Contra Costa Co., Cal. Improvements to club building.
Owner — Layafette Improvement Club (Geo. S. Meredith, president) Lafayette.
Architect—Not Given.
Members of the committee include Ray Milchaut, Fred Gates, J. W. Busekist, W. T. Thorne and Stuart Smith. 8

Plans Complete.

COMMUNITY HOUSE Cost, $25,000
PALO ALTO, Santa Clara Co., Calif. Rinconada Park.
Community house (Spanish-California style) recreation room, 40x70 ft.; administrative offices, meeting rooms, kitchen, etc.
Owner—City of Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Mrs. Louis Stern has advanced $25,000 to assist in financing the construction.

Plans Being Completed.

REMODEL CLUBHOUSE Cost, $7000
VALLEJO, Solano Co., Cal. Vallejo Golf Links.
Remodel frame clubhouse.
Owner — Vallejo Golf Club (Harry Smith, President), Vallejo.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Plans will be completed in about two weeks.

PLANNED

REDDING, Shasta Co., Cal.—Redding Chamber of Commerce is launching a program for the erection of a Veterans' Memorial Hall in Redding. It is planned to file an application with the Public Works Administration for a loan and grant. Dr. Wayland W. Eheetler was appointed to look into the matter further.

9— HOSPITALS

PLANNED

WATSONVILLE, Santa Cruz Co., Cal.—City of Watsonville is contemplating the erection of a detention home on Grizzly Flat property. No funds are availabale at this time.

PLANNED

RENO, Nev—Washoe County Commissioners are planning to file an application with the Public Works Administration for a loan of $37,000 to finance construction of the completion of the third wing of the general hospital in Reno. F. J. DeLongchamps Gazette Bldg., Reno, architect.

PLANNED

WOODLAND, Yolo Co., Cal. — Yolo County Board of Supervisors approved construction of a county hospital building at Woodland. Further details will be announced shortly.

BIDS WANTED

FORT STANTON, New Mexico—Until March 14, bids will be received by Treasury Department, Washington, D. C., for the construction of a hospital building (except elevator), nurses' quarters, double houses for medical officers and power plant and laundry at the U. S. Marine Hospital, Fort Stanton, New Mexico. Previous bids were rejected, lowest bid was submitted by Murch Bros., St. Louis, at $218,980.

PLANNED.

MEDICAL LAKE, Wash.—State of Washington will file application with the Public Works Administration for funds to finance construction of a building to house a gymnasium and classrooms, estimated to cost $40,000. Additional funds will be asked from the CWA for remodeling two ward buildings, purchase of new equipment, etc. Estimated to cost $100,000.

10— HOTELS

Contract Awarded.

ADDITION Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1800 Madison Street.
Steel and concrete dining room addition to Lake Merritt Hotel.
Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.), Oakland.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor — Lindgren & Swinerton, Inc., 1723 Webster St., Oakland.
Sub-bids are in and will be awarded within a few days.

Bids Being Taken.

ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Cal.
Alterations to hotel (work involves plumbing, gas heating, showers, painting, kalsomining, carpets, etc.)
Owner—St. George Hotel (J. F. Sipple), Oakland.
Architect—Not Given.
Bids are being received by J. F. Sipple, St. George Hotel for plumbing, gas heating, showers, painting, kalsomining, carpets, etc.

11—ICE AND COLD STORAGE PLANTS

PLANNED

SAN FRANCISCO—Southern Pacific Railway Company will spend approximately $650,000 for air-conditioning equipment for trains. Equipment bids have been taken and installation will take place about May 1.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

PLANNED

LOS ANGELES, Calif.—Rolland A. Vandegrift, state director of finance, states that he is consulting with Architects John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., with a view of adding a wing to the State Bldg., First and Spring Sts. The addition would house from four to six elevators and would cost approximately $300,000.

February 10, 1934

Preliminary Plans Awaiting Approval.

MEMORIAL Cost, $60,000
MONTEREY, Monterey County, Cal. Civic Center.
Two-story adobe memorial (to house city offices, jail, etc.)
Owner—City of Monterey.
Architect—W. O. Raiguel, Hotel Del Monte, Del Monte, and C. J. Ryland, Monterey.
(3207) 1st report Dec. 5; 4th Jan. 17, 1934. 13

BOND ELECTION PLANNED.

PLACENTIA, Orange Co., Calif.—Placentia city council voted to hold another city hall bond election and will circulate petitions immediately calling for election for April 9. A $15,000 bond issue for this purpose was defeated at a special election held last month. W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, are the architects for the building; Geo. L. Bates, 105 W 5th St., Santa Ana, consulting engineer.

PLANNED

VISALIA, Tulare Co., Cal.—City of Visalia is contemplating constructing a library building and hospital. If the projects are approved PWA funds will be asked.

Planned.

CITY HALL AND FIRE STATION Cost, $47,888
PORTERVILLE, Tulare Co., Cal. Main and Cleveland Streets.
Two-story reinforced concrete City Hall (55x80 ft.); tile roof; steel cells, offices, etc.; one-story reinforced concrete fire station (32x75 feet).
Owner—City of Porterville.
Architect—W. D. Coates, Rowell Bldg. Fresno.
City Council approved the building as a CWA project and application will be filed immediately for funds to finance construction.

BIDS OPENED

SAN FRANCISCO—Braas & Kuhn, 1917 Bryant St., at $4848 submitted low bid to Department of Public Works for general construction of special wood finish display cases in the San Francisco Public Library. Following bids received:

Braas & Kuhn	$4848
Alternate	125
Mullen Mfg. Co.	4890
Alternate	95
M. E. Vukicevich	4957
Alternate	156
Joseph Harold Johnson	4998
Alternate	150
William Bateman	5171
Royal Showcase Co.	5447
Alternate	5328
*H. L. Petersen	5497
Alternate	150
Ostlund & Johnson	5600
Alternate	150
Anderson Bros.	5776
Alternate	87

*Bid irregular.
Bids held under advisement.

February 15, 1934

Plans Being Completed.
ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Final plans will be filed with the Public Works Administration for approval within one week.

BONDS VOTED
SAN JOSE, Santa Clara Co., Cal.—City of San Jose voted bonds in the amount of $375,000 to finance construction of a two-story civic auditorium to seat 3800. It is to be erected on Market and San Carlos Sts. for the City of San Jose from plans prepared by Architects Binder & Curtis, 35 W-San Carlos St., San Jose. Further details will be announced shortly.

14— RESIDENCES

Contract Awarded.
ALTERATION S Cost, $2291
ALAMEDA, Alameda Co., Calif. Santa Clara Ave. and Oak St.
Alterations and additions to residence
Owner—Fay Hieronymous.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda. 1

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 3997 Oakmore Road.
One and one-half-story frame and stucco residence (6 rooms).
Owner and Builder—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Concrete Foundation—Otto Hennig, 3527 Suter St., Oakland.
Lumber—Smith Lumber Co. of Oakland, Foot of 19th Avenue.
Plumbing—J. R. Pierce Plumbing Co., 7109 E-14th St., Oakland.
Sash and Doors—Western Door & Sash Co., Fifth and Cypress Sts., Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 920 Grizzly Peak Blvd.
Two-story frame and stucco residence (five rooms).
Owner — Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland.
Tile—Brockhurst Tile Co., 819 Shattuck Ave., Berkeley.
Fixtures—Maxwell Hardware Co., 1320 Washington St., Oakland.
Other awards reported January 27.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3720 Elston Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, Foot of Ninth Ave., Oakland.
Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Windsor St. (Sunset Gable Tract).
Two-story frame and stucco residence (6 rooms) shingle roof, gas heating system, tile work, wood sash, sheet metal, etc.
Owner—Mrs. Ruth Utter, Richmond.
Architect—Not Given.
Contractor — W. A. Netherby, 3853 Lyman Road, Oakland.
Electric—Dimond Electric Co., 2100 Hopkins St., Oakland.
Plastering—C. M. Goodell, 2836 Minna Ave., Oakland.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.
Other awards reported Jan. 22.

Contract Awarded.
ALTER RESIDENCE Cost, $1500
SAN FRANCISCO. No. 2301 Scott St.
Alterations to residence.
Owner—Mrs. Scott, 2301 Scott St., San Francisco.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco.

February 10, 1934

Plans Being Figured—Bids Close Feb. 19, 1 P. M.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Carolands.
Two-story and basement frame residence (10 rooms, 4 baths) rustic exterior, shake roof, gas heating system, hardwood floors, linoleum in baths, etc.; Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.
(3587) 1st report Jan. 25; 4th Feb. 7, 1934. * 14

February 10, 1934

Preparing Working Drawings.
RESIDENE Cost, $5000
PIEDMONT, Alameda Co., Cal. Chelton Drive, Piedmont Pines Tract.
Two-story frame and stucco residence (7 rooms and 3 baths) shake roof, gas hot air heating system, oak floors, tiled baths, etc.
Owner—L'Hommedieu, Inc., Henshaw Bldg., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Bids will be asked February 13.
(3689) 1st report Feb. 7, 1934. 14

February 10, 1934

Construction To Start Shortly.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 6191 Acacia Avenue.
Two-story and basement frame and stucco residence (8 rooms).
Owner and Builder—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Plans by Owner.
(3727) 14

Contract Awarded.
RESIDENCE Cost, $15,000
SAN ANSELMO, Marin Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 3 baths) modernistic type, composition roof, wood and stucco exterior, oil burner, warm air heating, system, tile baths, etc.
Owner — Dr. Mary H. Layman, Stanford University Hospital, S. F.
Architect—Hervey P. Clark, 210 Post St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.

Plans Being Figured—Bids Close Feb. 21st.
RESIDENCE Cost, $——
SAN FRANCISCO. Mountain Spring Ave. W Twin Peaks Blvd.
Two-story and basement frame and brick veneer residence (7 rooms, 3 baths) tile roof, gas heating system, hardwood floors, tiled baths)
Owner—L. A. Bossana.
Architect—Martin J. Rist, Phelan Building.
Fred. DuPuy, 110 Sutter St., is figuring the plans and desires sub-bids on all portions of the work.

Contract Awarded.
RESIDENCE Cost, $7986
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence.
Owner—Geo. F. Reiter, 15 Humphrey Place, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland.

Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. 25 Oakvale Road.
Two-story and basement frame and stucco residence (8 rooms and 3 baths) shingle roof, drop siding exterior, gas hot air heating system, hardwood floors, tile baths.
Owner — F. J. Reagan, 16 Brookside Drive, Berkeley.
Architect—Houghton Sawyer, Howden Bldg., Oakland.
Following contracts awarded:
Excavation and Concrete—J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Carpentry—Fred K. DuPuy, 110 Sutter St., San Francisco.
Plumbing—Scott Co., 113 Tenth St., Oakland.
Lathing and Plastering—Wm. Makin, 2141 Livingston St., Oakland.
Electric—Scott - Buttner Electric Co. 19 Grand Ave., Oakland.
Painting — Lake Decorating Co., 2349 Waverly St., Oakland.
Glass—W. P. Fuller & Co., 259 Tenth St., Oakland.
Hardwood Floors—Inlaid Floor Co., 200 Alabama St., San Francisco.
Hardware—Maxwell Hdwe. Co., 1320 Washington St., Oakland.
Tile, roofing, heating and other awards will be made within the next few days.

Plans Being Figured.
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Calif.
Two-story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell Street, Berkeley.
(3259) 1st report Dec. 13, 1933; 2nd, Jan. 18, 1934.

Contract Awarded.
RESIDENCE Cost, $6263
HAYWARD Alameda Co., Cal. Part of Rancho San Lorenzo, Eden twp.
Frame residence and garage.
Owner—Jos. Abrew, Hayward.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—A. Holyoake, 2831 E Ave., Hayward.

To Be Done By Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. W Twenty-sixth Ave. N Ocean Ave.
Four one-story and basement frame and stucco residences.

Owner and Builder—James Arnott & Son, 633 Taraval St., San Francisco
Plans by Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. 831 Varrar Street.
One - story and basement frame and stucco residence.
Owner—Geneva Peterson.
Architect—Not Given.
Contractor—D. W. Doss, 3750 White St., Fresno.
Lumber—Shipman's Building Sup. Co.
Mill Work and Wiring—S. C. Ramage.
Plumbing—G. B. Phillips.
Heating and Sheet Metal—Z. Z. Dowd.
Brick Work—L. L. Howard.
Tile Work, Floors—Walker & Walker.
All of Fresno.

Contract Awarded.
ALTER RESIDENCE Cost, $1000
SAN FRANCISCO. No. 2649 Green Street.
Alterations to frame residence.
Owner — Dr. Henry Alderson, 2649 Green St., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—A. F. Mattock Co., 212 Clara St., San Francisco.

Plans Completed.
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY, Alameda Co., Cal. Arlington Villa Site.
Alterations and additions to residence
Owner—Withheld.
Architect—S. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked within a few days

Plans Being Prepared.
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY, Alameda Co., Cal. Arlington Villa Site.
Alterations to residence.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked within two weeks

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. SE Hale and Merrill Streets.
One-story and basement frame and stucco residence.
Owner and Builder — Joe Blum, 212 Silliman St., San Francisco.
Plans by Owner.

15— SCHOOLS

PRELIMINARY PLANS APPROVED
PASADENA, Los Angeles Co., Cal.—Pasadena Board of Education has approved preliminary plans prepared by Architects Marston & Maybury, 25 S. Euclid Ave., Pasadena, for reconstructing the Andrew Jackson Elementary School. Work will consist of reinforcing the walls, replacing tile and brick walls with reinforced concrete, etc. Cost, $112,860.

BIDS WANTED.
WOODLAND, Yolo Co., Cal.—Until Feb. 26, bids will be received by District Supt. T. L. Sims, Clarksburg Union School District, for removal of all exterior paint from the grammar school and prepare surface for repainting by means of sandblast.

Commissioned To Prepare Plans.
SCHOOLS Cost, $205,500
ALASKA
Construct new schools and repairs and additions to existing buildings (21 projects are included).
Owner—Territory of Alaska.
Architect—John M. Speer, Ketchikan, Alaska.
Public Works Administration recently alloted $175,000 to the Territory of Alaska for the work.

BIDS OPENED
SAN FRANCISCO—Square Deal Floor Co., 3223 Broderick St., at $79 submitted low bid to Department of Public Works for sanding floor areas of hallways, principal's office and lunch room at the Fremont School. Following bids received:
Square Deal Floor Co. ..... $ 79.00
Oak Floor Co. 84.00
Royal Floor Co. 187.50
Bids held under advisement.

BONDS VOTED.
ST. JOHNS, Ariz.—School District No. 11 recently voted bonds in the sum of $24,000, the proceeds to be used for financing the construction of a new school building in St. Johns.

APPLICATION FILED.
SEAL BEACH, Orange Co., Cal.—Seal Beach Elementary School District has filed an amended application with the Public Works Administration for a grant of $19,153 to be used in financing the construction of a new school building to replace the structure damaged by the earthquake last March. State board of public building reconstruction allotted $60,000 to the district several months ago. Marsh, Smith & Powell, Architects' Bldg., Los Angeles, architects for the district.

Construction To Start Shortly.
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Campus of Stanford University (Lagunita Court).
Group of two-story frame and stucco buildings (four dormitories accommating fifty women) two dining rooms, large kitchen, administration building and servants' quarters; tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architect — John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park St., San Francisco.

COMPLETING PLANS.
WHITTIER, Los Angeles Co., Cal.—State Architect Geo. B. McDougall, Public Works Bldg., Sacramento, is completing plans for a new gymnasium building to be erected at Whittier State School. The building will be a reinforced concrete structure and will cost approximately $40,000. Public Works Administration recently allotted $11,000 to be used in financing the project.

PLANS APPROVED.
LONG BEACH, Cal.—State Division of Architecture has approved working drawings for reconstructing the original science buildings and the shop building at Woodrow Wilson high school in Long Beach, estimated to cost $27,000 and $10,000, respectively. Plans by Architect W. H. Austin, 532 Chestnut Ave., Long Beach, and Engineer F. N. Dlouhy, 3273 Cordell Dr., Los Angeles.

BIDS WANTED
HOLLISTER, San Benito Co., Cal.—Until February 23, 10 A. M., bids will be received by Harriet H. Johnson, Hollister School District, Hollister, for reinforcing iron bolts, anchors and plates, required to build a three-room unit at the Fremont School, Hollister. Specifications available at the office of C. M. McKee, Brown and Chappell Co., 328 Fourth St., Hollister.

BOND ELECTION.
LOS ANGELES, Cal.—Los Angeles board of education has set at $20,411,497 the amount of the bond issue for rehabilitating and strengthening Los Angeles schools, the proposal to be submitted at an election to be held on March 20. According to present estimates, the entire rehabilitation and reconstruction program will cost about $31,000,000. The board already has obtained approximately $10,450,000 in loans and grants from the Public Works Administration and the Civil Works Administration. Of the amount of the bond issue to be voted on next month, the share which will go to projects of the elementary school district was placed at $10,839,037; the high school district's portion is $9,416,133 and the junior college district was apportioned $156,327. No new school buildings, except replacements, are on the list.

PLANNED.
GRIDLEY, Butte Co., Calif.—Gridley School District is contemplating the construction of an addition to the Wison Elementary School to house the children from the McKinley School which is not safe. Cost is estimated at $30,000. E. S. Hayward, member of the board of trustees. Further details will be announced shortly.

Excavation Contract Awarded.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St. and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—H. D. Dewell, 55 New Montgomery St., San Francisco.
Contractor—E. T. Leiter & Son, 811 37th St., Oakland, $32,387.
Excavation—Ariss Knapp Co., 861 41st St., Oakland.
Excavation is starting today.
As previously reported, Scott Co., 113 10th St., Oakland, at $2000 awarded contract for heating.

SCHOOLS CLOSED
BERKELEY, Alameda Co., Cal.—Berkeley Board of Education ordered the following schools closed and improvements will be made at a later date:
Columbus School (Main building) Eighth and Allston.
Buffalo School, Cragmont.
Emerson School, Piedmont Ave. & Forest St.
Franklin School, San Pablo Ave. and Virginia St.
Hillside School, Buena Vista Ave. and Leroy St.
Jefferson School (Auditorium).
John Muir School (Auditorium and Kindergarten), Cyaremont Ave.
LeConte School, 2235 Russell St.
Oxford School, Oxford and Eunice Sts.
Thousand Oaks School (Auditorium and Kindergarten), Tacoma and Colusa Street.
Sunshine School, Tacoma & Colusa Streets.
Washington School (Auditorium and one bungalow), Bancroft Way and Grove Street.
Whittier School, 1640 Milvia St.
Burbank School (Shops and gallery of auditorium), 1200 University Ave.
Willard School (Gymnasium).
McKinley School, 2419 Dwight Way.
Berkeley High School (gallery of auditorium), Allston Way and Grove.

BOND ELECTION.
EL MONTE, Los Angeles Co., Cal.—El Monte School District has called an election for March 6th, at which time the question of authorizing the district to erect a new building on

the Columbia grammar school site will be voted upon. It is proposed to erect a reinforced concrete building, containing six classrooms and two toilets, costing approximately $25,000. Civil Works Administration will be requested to help finance the project. Plans for the structure are being prepared by Architect A. L. Worswick, El Monte.

ASK FUNDS.
ONTARIA, San Bernardino Co., Cal. Ontario school board has applied to the Civil Works Administration for funds with which to finance the construction of a new school building on the Central school site in Ontario. The proposed building will be a one-story, fireproof structure, 196x178 ft. in area, with reinforced conc. walls. Classrooms, an auditorium, cafeteria and administrative offices will be provided. Estimated cost, $64,000. H. L. Pierce, 1443 Mt. Pleasant St., Los Angeles, architect.

PLANS BEING PREPARED.
MONROVIA, Los Angeles Co., Cal. —Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, have prepared preliminary sketch plans for strengthening the Ivy Avenue school for the Monrovia - Arcadia - Duarte school district. Removal of second story of main building and remodeling to provide additional classroom and auditorium facilities is proposed. An application for CWA funds to finance the work will be made. Demolition work is estimated to cost $25,000 and alterations and additions to cost $69,000.

TO MAKE SURVEY.
PALO ALTO, Santa Clara Co., Cal. Recommendation has been made that the Ravenswood School in Palo Alto be surveyed for earthquake and fire hazards. Further details will be announced later. Paul Lyman, trustee of the school board.

Plans Being Prepared.
SHOP Cost, $10,000
CLARKSBURG, Yolo Co., Cal.
One-story frame shop building (concrete floors, flat roof, etc.)
Owner—Clarksburg High School Dist.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Sketches Being Prepared.
SCHOOL Cost, $——
HILMAR, Merced Co., Cal.
Construct new grammaar school.
Owner—Elim Grammar School Dist.
Architect—W. H. Weeks, 525 Market St., San Francisco.
It is planned to file an application with the PWA for a loan and grant to finance construction.

BIDS WANTED
YUBA CITY, Sutter Co., Cal.—Until March 10, 10 A. M., bids will be received by George F. Algeo, Supt. of Schools, Yuba City, for furnishing school supplies for the Sutter county schools. Specifications available from the Superintendent of Schools.

Contract Awarded.
ADDITION Cont. Price, $27,740
AVENAL, Kings Co., Cal.
Brick addition to elementary school building (3 classrooms, basement with cafeteria and lunch room, etc.)
Owner — Reef-Sunset School District, (C. B. Kimberlin, Clerk).
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Contractor — Trewhitt-Shieleds Co., Pacific Southwest Bldg., Fresno.
Complete bids published Feb. 7.

PLANNED
SANTA BARBARA, Cal.—State of California has filed an application with the Public Works Administration for a loan and grant of $1,453,700 to finance construction of buildings at the Santa Barbara State Techers' College. $348,900 has been asked as an outright grant.

TO VOTE BONDS.
NORWALK, Los Angeles Co., Cal.—The Norwalk school district will hold an election February 16 at which time the question of authorizing the district to erect an auditorium at the grammar school will be voted upon. Cost estimated at $65,000. The preliminary sketches have been prepared by Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles.

Contract Awarded.
SCHOOL Cost, $1,219
SAN FRANCISCO. 550-560 Sutter St.
Painting, recoating, redecorating, etc.
Owner—Lux School of Industrial Training.
Architect—Not Given.
Contractor—L. M. Bruce, 3553 Divisadero St.

BUILDING PERMIT APPROVED.
CHICO, Butte Co., Cal.—City Council approved building permit for the construction of a girls' shower room at the Chico high school; estimated cost, $24,000. Work will be done by day labor under the CWA. Martin Polk, city engineer.

BOND ELECTION PLANNED
PITTSBURG, Contra Costa Co., Cal. —Pittsburg School District will hold an election in the near future to vote bonds in the amount of $95,000 to finance construction of improvements to the Junior High School building and the primary school building. H. J. Brunnler, Sharon Bldg., San Francisco, engineer. Improvements are necessary to conform with the new State earthquake ordinance.

CONTRACTS AWARDED.
FILLMORE, Ventura Co., Calif.—Steed Bros., 42 E Main St., Alhambra, awarded contract by Fillmore Grammar School District at $21,900 for an addition to Sespe Ave. school in Fillmore. Other awards were: Seaside Electric Co., 1800 Thompson Blvd. Ventura, electric wiring at $775; E. O. Stice, 2102 Colorado Blvd., Los Angeles, plumbing at $1449; American Engineers & Contractors, 3053 Oregon St., Los Angeles, heating and ventilating at $2525. Frank R. Schaefer, 1117 Kerckhoff Bldg., Los Angeles, architect. Will be a one-story structure, 147x67 ft. in area, containing five classrooms, toilet rooms and storage room; reinforced concrete walls, concrete and wood partitions, gas-steam radiators.

BOND ELECTION
ARDEN, Sacramento, Cal.—Arden School District will hold an election on March 12 to vote bonds in the amount of $16,500 to finance construction of alterations and additions to the present school building in Arden. Chas. Dean, California State Life Bldg., Sacramento, Architect.

Plans Completed.
SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium); tile roof, steam heating system, wood floors, etc.
Owner — North Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Upon approval of plans filed with the Public Works Administration, bids will be asked.

Preparing Preliminary Plans.
REPAIR SCHOOL Cost, $35,850
SAN FRANCISCO.
Repairs and reconstruction of Adams Elementary School.
Ownr—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St.

Construction To Start March 1.
HOUSE OF STUDIES
Cost approximately, $80,000
OAKLAND, Alameda Co., Cal. Chabot Road and College Avenue.
Three - story and basement Class A house of studies.
Owner — College of Saint Albert-the Great (Dominician House of Studies) Steiner and Bush Streets ,San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—John Synder, Petaluma.
Heating—Scott Co., 243 Minna Street, San Flancisco.
Plumbing—Wm. J. Forester, 355 4th St., San Francisco.
Electric—M. E. Ryan, Redwood City.
Complete description of the building reported in our issue of June 1.

Plans Completed.
REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. between Powell and Stockton.
Repair and reconstruction of Commowore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
Final plans have been awarded to Sacramento for approval.

BONDS VOTED
TEHACHAPI, Kern Co., Ca.l—Tehachapl Elementary School District voted bonds in the amount of $40,000 to finance construction of a new reinfarced concrete unit to be added to the Tehachapi Elementary School. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, Architect. Building will have four classrooms, shop, sanitary facilities, adequate showers, boiler plant, etc.

Completing Plans.
SCHOOL Cost, $11,000
INYOKERN, Kern Co., Cal.
Two classroom-school building (frame and stucco construction).
Owner—Indian Wells Valley Union School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
Plans will be forwarded to Sacramento for approval shortly.

BONDS VDTED
TEHACHAPI, Kern Co., Cal.—Tehachapi Valley Union High School District voted bonds in the amount of $43,000 to finance construction of a second unit at the Tehachapi High School. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, Architect. Building will contain five classrooms, assembly hall, cafeteria, etc.

BONDS VOTED
BUTTONWILLOW, Kern Co., Cal. —Buttonwillow Union Sschool District voted bonds in the amount of $11,000 to finance construction of a school building in Buttonwillow to contain two classrooms and additional facilities.

Completing Plans.
AUDITORIUM Cost, $60,000
DELANO, Kern Co., Cal.
Construct school auditorium.
Owner — Delano Union Grammar School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

To Ask Bids on February 14.
IMP. SCHOOL Cost, $10,000
HAYWARD, Alameda Co., Cal.
Revamp girls' dressing room, etc., in Hayward high school; work involves adding 50 shower rooms, 90 dressing rooms(600 metal lockers, plumbing, metal partitions, etc.
Owner—Hayward Union High School District.
Architect — Henry Smith, Humboldt Bank Bldg., San Francisco.

Planned.
COLLEGE BLDG. Cost, $60,000
SAN JOSE, Santa Clara Co., Cal. Campus of The San Jose State Teachers' College.
Two-story and basement fireproof student union building (co-op store, soda fountain, check rooms, store rooms, offices, lounging room etc.)
Owner—San Jose State Teachers College, San Jose. (T. W. MacQuarrie, President).
Architect—Not Given.
Construction will go forward if CWA labor can be secured.

Plans Completed.
SCHOOL Cost, $81,000
RICHLAND, Kern Co., Cal.
Construct new school building.
Owner—Richland School District.
Architect—Ed. J. Symmes, Haberfelde Bldg., Bakersfield.

PERMIT APPLIED FOR.
LOS ANGELES, Cal.—Los Angeles board of education, owner and builder, 765 Chamber of Commerce Bldg., applied for building permit February 7 to reconstruct 1- and 2-story Class D brick school buildings (Units No. 1 and 2) at La Cienega School site; A. S. Nibecker, Jr., architect; R. McC. Beanfield, engineer, 761 Chamber of Commerce Bldg. Work consists of reconstructing walls and structural portions of the buildings to conform to the new State earthquake code; cost $48,200.

COMMISSIONED TO PREPARE PLANS
LOS ANGELES, Cal. — Architects Allison & Allison, 1014 Edison Bldg., have been commissioned by the Los Angeles Board of Education to prepare plans for a new gymnasium building to be erected at the Los Angeles Junior College, 855 N. Vermont Ave. Cost, $100,000.

Plans Being Prepared.
REPAIR SCHOOL Cost, $51,144
SAN FRANCISCO. Jackson St. bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.

ARCHITECTS APPOINTED
LOS ANGELES, Cal.—The Los Angeles Board of Education has appointed architects to prepare plans and specifications for the necessary architectural work in connection with the reconstruction, rehabilitation and strengthening of school buildings, for which structural engineers have heretofore been appointed, as follows:

Cabrillo Avenue School — (Main building)—Edward Cray Taylor, architect, 803 W. 3rd St.; Ellis Wing Taylor, structural engineer, 803 W. 3rd St. Cost, $54,837.

Menlo Avenue School—(Main Building)—Hibbard, Gerity & Kerton, architects, 816 W. 5th St.; S. B. Barnes, structural engineer, 803 W. 3rd St. Cost, $61,826.

Brentwood School — (Main brick building)—Harold S. Johnson, architect, 1102 Architects Bldg.; Harold A. Nelson, structural engineer, 236 S. Lapere Dr. Cost, $33,589.

Figueroa Street School—(Buildings Nos. 1 and 2)—Parker O. Wright, architect, 910 Black Bldg.; David H. Merrill, structural engineer, 562 I. W. Hellman Bldg. Cost, $93,713.

Forty-ninth Street School — (Main building, less top story)—H. C. Deckbar, architect, 2117 La Salle Ave.; H. A. Nelson, structural engineer, 236 S. Lapere Dr. Cost, $83,440.

Fries Avenue School — (Buildings Nos. 1 and 2)—Henry F. Withey, architect, 405 S. Western Ave.; J. S. Ferguson, structural engineer, 1468 Reeves St. Cost, $73,062.

Burnside Avenue School — (Main building)—P. P. Lewis, architect, 10,063 Westwood Blvd.; Grant & Bruner, structural engineers, 607 Ferguson Bldg. Cost, $67,052.

Angeles Mesa School—(Main building)—Henry Carlton Newton and Robt. Dennis Murray, architects, 502 Architects' Bldg.; C. J. Derrick, structural engineer, 500 Architects' Bldg. Cost, $30,565.

Leland Street School — (Main building)—M. L. Barker and G. Lawrence Ott, architects, 346½ S. La Brea Ave.; L. J. Waller, structural engineer, 257 S. Berendo St. Cost, $61,088.

Seventy-ninth Street School—(Main assembly hall and kindergarten building)—Frank D. Hudson, architect, 701 Laughlin Bldg.; Ralph DeLine, structural engineer, 1144 S. Grand Ave. Cost, $98,475.

Wadsworth Street School — (Main brick building)—Rea & Garstang, architects, 907 Pacific-Southwest Bank Bldg.; C. G. De Swarte, structural engineer, Room 505, 811 W. 7th St. Cost, $88,007.

Wilmington Park School — (Main building)—H. L. Gogerty, architect, 6272 Yucca St.; Donald F. Shugart, structural engineer, 1770 N. Vermont Ave. Cost, $65,856.

Lillian Street School — (Main brick building)—William Lee Woollett, architect, 802 Architects' Bldg.; Geo. J. Fosdyke, structural engineer, 112 N. Main St. Cost, $53,760.

Loma Vista Avenue School—(Main building)—C. K. Denman, architect, 442 Washington Bldg.; Boyd I. Means, structural engineer, 156 W. 76th St. Cost, $32,032.

Alta Loma School—(Main building)—E. T. Heitschmidt, architect, 417 S. Hill St.; R. McC. Beanfield, structural engineer, Chamber of Commerce Bldg. Cost, $59,360.

Sixty-eighth Street School—(Building No. 2)—Charles M. Hutchison, architect, 1132 Central Bldg.; Henry Edgar Bean, structural engineer, 1065 Queen Ann Place. Cost, $34,496.

Sixty-sixth Street School—(Building No. 2)—Gene Verge, architect, 802 Beaux Arts Bldg.; S. B. Barnes, structural engineer, 803 W. Third St. Cost, $39,200.

Torrance Elementary—(Main building)—Samuel E. Lunden, architect, 400 Rowan Bldg.; R. McC. Beanfield, structural engineer, Chamber of Commerce Bldg. Cost, $74,241.

Wm. McKinley Junior High School —(Administration and auditorium building, shop, science building and boy's and girls' physical education buildings)—Witmer & Watson, architects, 903 Architects' Bldg.; Olive G. Bowen, structural engineer, 1144 S. Grand Ave. Cost, $222,832.

Thomas A. Edison Junior High School —(Main building, auditorium & classroom building, shop, cafeteria & home economics building and boys' and girls' physical education building)—A. R. Walker and P. A. Eisen, architects, 708 Pacific Commerce Bldg.; Murray Erick, structural engineer, 811 W. Seventh St. Cost, $253,154.

Bell High School—(Main building, shops and physical education building)—Train & Cressey, architects, 226 Western Mutual Life Bldg.; Oliver G. Bowen, structural engineer, 1144 S. Grand Ave. Cost, $264,606.

Gardens High School — (Arts and science building, frame mechanics administration, shop, home economics and physical education buildings)—Farrell & Miller, architects, 731 N. Marguerita Ave., Alhambra; Blaine Noice, structural engineer, 5436 Carlton Way. Cost, $191,968.

Thomas Jefferson High School—(Administration and auditorium building, academic, science and arts, power house, girls' gymnasium, mechanical arts Units 1 and 2 and mechanical drawing buildings—Marsh, Smith & Powell, architects, Architects' Bldg.; D. D. Smith, structural engineer, Architects' Bldg. Cost, $434,453.

David Starr Jordan High School—(Main building, domestic science, auditorium and boiler room, shop and physical education buildings)—Sumner P. Hunt, architect, 701 Laughlin Bldg.; Wm. Mellema, structural engineer, 1661½ Beverly Blvd. Cost, $212,632.

Torrance High School—(Main building, auditornum, shop and science buildings)—Wm. Richards and Wesley Eager, architects, Architects' Bldg.; R. McC. Beanfield, structural engineer, 615 Chamber of Commerce Bldg. Cost, $128,099.

Palytechnic High School—Shop and boiler room, gymnasium, auditorium, classroom annex and domestic science buildings)—Albert C. Martin, architect, 228 Higgins Bldg.; Holmes & Narver, structural engineers, 1400 Stock Exchange Bldg. Cost, $192,975.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $68,400
SAN FRANCISCO. Pine and Larkin Streets.
Repairs to Redding elementary school.
Owner—City and County of San Francisco.
Engineer—C. H. Snyder, 251 Kearny.

16—BANKS, STORES AND OFFICES

PLANNED
SOQUEL, Santa Cruz Co., Cal.—Soquel School District is considering the construction of a new school building in Soquel. Application will be filed with the CWA for workmen to raze present building and clear site for the proposed new structure, for which funds are available.

LOW BIDDER.
VENTURA, Ventura Co., Cal.—Contracting Engineers, 2310 West Vernon Ave., Los Angeles, submitted low bid to San Buenaventura School District at $24,790 for structural alterations to the Washington school in Ventura. Contract includes all work except the painting, bids for which will be taken at a later date. Harold E. Burkett, 455 E Main St., Ventura, architect.

To Be Done By Day's Work.
ALTER STORE Cost, $10,000
FRESNO, Fresno Co., Cal. Tulare and Fulton Streets.
Alterations to store building.
Owner—National Dollar Stores, 1017 Fulton St., Fresno.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Cal. No. 1904 Telegraph Avenue.
Alterations to building.
Owner — Twentieth and Broadway Realty Company.
Architect—A. J. Evers, 525 Market St., San Francisco.
Contractor—W. C. Cone, 608 16th St., Oakland.

Contract Awarded.
ALTER STORE. Cost, $3000
FRESNO, Fresno Co., Cal. No. 1117 N-Twenty-seventh Street.
Alterations to store building.
Owner—E. Iverson, 937 U St., Fresno.
Architect—Not Given.
Contractor—R. Pederson, 446 Clark St., Fresno.

Electrical Contract Awarded.
STORE Cost, $50,000
EUREKA, Humboldt Co., Cal. Fourth and F Streets.
One - story, mezzanine floor and basement reinf. concrete store building (24,500 sq. ft. floor space).
Owner—Domingo A. Zanone.
Plans by Engineering Dept. of Lessee, Chicago.
Lessee—Montgomery Ward & Co., Chicago.
Contractor—K. E. Parker Co., 135 So. Park St., San Fancisco.
Electric—Scott-Buttner Co., 19 Grand Ave., Oakland.
As previously reported, wrecking contract awarded to R. L. Hansen, Eureka.
Plumbing, heating and ventilating contracts will be awarded by the lessee shortly.

Contract Awarded.
ALTER STORE Cost, $3000
SAN FRANCISCO. SE Post St. and Grant Ave.
Alterations to store building.
Owner—H. Liebes & Co., Post St. and Grant Ave.
Engineer—W. Adrian, 417 Market St.
Contractor—L. & E. Emanuel, Inc., 2665 Jones Street.

Planned.
REMODEL BLDG. Cost, $10,000
STOCKTON, San Joaquin Co., Cal. No. 736 North El Dorado St.
Remodel building for automobile sales and service building.
Owner—Al Labrucherie, 720 N. El Dorado St., Stockton.
Architect—Not Given.
Construction will not be started until April 15 and will be under the supervision of the owner.

Planned.
BUILDING Cost, $12,000
MOUNTAIN VIEW, Santa Clara Co., Cal. Moffet Blvd.
Adobe building.
Owner—Junior Chamber of Commerce
Architect—Not Given.
Financing arrangements are now under way.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Cal. No. 2356 Tiffin Road.
Alterations and additions to building.
Owner—Bank of America, N. T. and S. A.
Plans by Engineering Dept. of Owner.

To Be Done By Day's Work.
ALTER BUILDING Cost, $3000
OAKLAND, Alameda Co., Cal. No. 319-321 Clay Street.
Alterations to building.
Owner—State Emergency Relief Administration, State Building, San Francisco.
Architect—Not Given.

AWARD
LOS ANGELES, Cal.—Wm. P. Neil Co., 4814 Loma Vista Ave., awarded contract for alterations to a three-story building at the corner of 12th and Figueroa Sts., and a new unit to be added to the north side of the structure, for the Firestone Tire & Rubber Co. The addition will be a one-story, reinforced concrete structure, covering an area of 73x149 ft., composition covered reinforced concrete roof, skylights, metal roof vents, steel sash, structural steel, plaster exterior, collapsible steel gates, metal lath, cement and quarry tile floors, metal-clad doors, plate glass, hollow tile and plaster partitions, tile toilets, drinking fountains, lockers, wood mezzanine floors. Pumps, brake tester, power equipment, etc.; alterations to the existing portion consist of removing and replacing concrete columns, installing steel plate girders, moving elevator, removing certain partitions and sections of reinforced concrete floor. Cost, $60,000. Robert H. Orr, 1300 Corporation Bldg., architect.

Contract Awarded.
STORE Cost, $6000
SAN FRANCISCO. SW Balboa St. and Thirty-seventh Ave.
One-story frame store building.
Owner—G. and A Molinare, % L. Dallarso, 32 Jansen St., San Francisco.
Architect—Not Given.
Contractor—Sangiacoma & Ghezzi, 422 9th Ave., San Francisco.

LOW BIDDERS.
SAN PEDRO, Los Angeles Co., Cal. —Anderson & Cristofani, Innes and Griffiths Sts., San Francisco, submitted low bid to Department of Public Health, Immigration Station, San Pedro, to furnish eight 40-ft. boats. Bid as follows for first boat:
(1) Fairbanks Morse engine.....$13,656
(2) Enterprise engine 13,455
(3) Eastern Standard engine..... 13,955
On second boat Anderson & Cristofani bid (1) $13,141; (2) $12,941; (3) $13,414.
Tregoning Boat Co., Seattle, using Fairbanks Morse engine, first boat, $15,000; second boat, $13,822.
Steuhens Bros., Stockton, and San Diego Marine Const. Co. were the only other bidders.
Bids referred to Public Health Service, Washington, D. C., without recommendation.

PLANS PREPARED.
MONTEBELLO, Los Angeles Co., Cal.—Architects M. L. Barker and G. L. Ott, 346½ S La Brea Ave., Los Angeles, are preparing working plans for a dance hall and cafe building to be built at the corner of Whittier Blvd. and First St., Montebello, for Mr. Myers. It will cover an area of 90x125 ft.; tile and composition roofing, frame and stucco and reinforced conc. construction, wood roof trusses, toilets, ventilating system, wrought iron, cement and wood floors, hardwood and pine trim, etc. Cost, $30,000.

Plans Completed.
ALTERATIONS Cost, $3125
SACRAMENTO, Sacramento Co., Cal. NW Tenth and Y Streets.
Alterations to office and display room.
Owner—Hubert E. Geisreiter and Jule Johnson & Son, Sacramento.

Contract Awarded.
STORE Cost, $4000
SAN FRANCISCO. 55 Fifth Street.
Alterations to store.
Owner—Leader Dairy Lunch, Inc., 55 Fifth Street.
Architect—Not Given.
Contractor—Unit - Built Fixture Co., 963 Harrison St.

Contract Awarded.
ALTER STORE Cost, $2000
SAN FRANCISCO. SW Grant Avenue and California Street.
Alterations to store.
Owner—H. H. McVine, 742 Market St.
Architect—Not Given.
Contractor—P. Sartorio, 681 Market Street.

Contract Awarded.
ALTER STORE Cost, $2000
OAKLAND, Alameda Co., Calif. 1125 Castro Street.
Alterations to store.
Owner and Builder—Pittsburg Plate Glass Co., 1125 Castro St., Oakland.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $740
BERKELEY, Alameda Co., Calif. 2311 Telegraph Avenue.
Alterations to store bldg. (new front)
Owner—A. S. Cettelhein.
Architect—James Plachek, Mercantile Bank Bldg., Berkeley.
Contractor—W. H. Connor, 1733 Francisco St., Berkeley.

Plans Being Completed.
OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. No. 374 W-Santa Clara St.
Two-story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, President), 372 W-Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Bids will be asked in about two weeks.

Bids In—Held Under Advisement.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 650 Second St.
Alterations to building (office installation on first and mezzanine floor, etc.)
Owner — Hiram Walker, Inc. (H. C. Hatch), Mark Hopkins Hotel, San Francisco.
Engineer—Jesse Rosenwald, 525 Market St., San Francisco.
Announcement will be made within a few days.

REVISING PLANS.
BEVERLY HILLS, Los Angeles Co., Cal.—Architect Clifford A. Balch, 1914 S Vermont Ave., Los Angeles, is revising plans for a store and market building to be built at the SE corner of Wilshire Blvd. and La Cienega Blvd., Beverly Hills, for the Mary Pickford Co. The building will cover an area of 150x120 ft. and will be of reinforced concrete construction; composition roofing, wood roof trusses, skylights, electric refrigeration cem. floors, toilets, plate glass, wire glass, etc.

Plans Being Figured—Bids Close Feb. 19th.
STORE Cost, $——
SAN FRANCISCO. Chestnut St. near Pierce.
One - story reinforced concrete store building (30x100-ft.)
Owner—C. O. Ovozzini.
Architect — Hyman and Appleton, 68 Post Street.

Plans Being Prepared.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. 1025 Columbus Avenue.
Alterations & additions to cafe (concrete work, painting, etc.)
Owner—Bal Tabarin Cafe, premises.
Architect—Miller & Pflueger, 580 Market Street.
Mgr. of Const.—Julius Martinelli, 666 Mission Street.

To Be Done By Day's Work.
STORE Cost, $5000
SACRAMENTO, Sacramento Co., Cal. No. 3040 Y Street.
One-story frame store building.
Owner—A. J. Morrison, 13th and K Streets, Sacramento.
Architect—Not Given.

Sub-Contracts Awarded.
REMODEL BLDG. Cost, $5000
FRESNO, Fresno Co., Cal. Lots 17, 18 and 19 Block 68.
Remodel building (new front, etc.)

Owner—A. J. Arandon.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.
Steel—Kyle and Company.
Plastering—W. E. Venzie.
Brick Work—Paul Vuedler.
Roofing—Valley Lumber Company.
Mill Work—Fresno Planing Mill.
Tile—Fresno Marble & Tile Co.
Electric—Electric Const. Co. All of Fresno.

Bids Rejected.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 650 Second St.
Alterations to building (office installation on first and mezzanine floor, etc.)
Owner — Hiram Walker, Inc. (H. C. Hatch), Mark Hopkins Hotel, San Francisco.
Engineer—Jesse Rosenwald, 525 Market St., San Francisco.
All bids have been rejected. What steps will be taken will be announced shortly.

Sub-Contracts Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. Fourth and Broadway.
Alterations for restaurant.
Owner—Bruzzone Estate.
Architect—Not Given.
Contractor—Paul Bobbie, premises.
Plumbing—D. A. O'Brien, 530 8th St., Oakland.
Equipment — Dohrmann Hotel Supply Co., 1205 Clay St., Oakland.
Electric—Bushman Electric Co., 2107 San Pablo Ave., Oakland.

To Be Done By Day's Work.
ALTERATIONS Cost, $——
UKIAH, Mendocino Co., Calif.
Alterations to store building.
Owner—Montgomery Ward and Company, Oakland.
Plans by Engineering Dept. of Owner.
Mgr. of Const.—A. A. Church, care Montgomery Ward & Co., Ukiah.

To Be Done By Day's Work.
ALTER OFFICES Cost, $4000
SAN FRANCISCO. No. 2 Pine St.
Alterations to offices.
Owner—J. D. and A. B. Spreckels Securities Co., 2 Pine St., S. F.
Architect—George Kelham, 315 Montgomery St., San Francisco.

Sub-Bids Wanted.
STORES & OFFICES Cost, $35,000
SAN FRANCISCO. Stockton St. and Card Alley.
Two - story reinforced concrete office and store building (tar and gravel roof, steam heating system, concrete and wood floors).
Owner—S. Giannon; % A. Cavali, 255 Columbus Ave., San Francisco.
Architect — Wm. Mooser, Monadnock Bldg., San Francisco.
Supt of Constr.—Louie Spargo.
Contractor—Vannucci Bros. Const. Co., 1875 San Bruno Ave., S. F.
Sub-bids are wanted on linoleum, tile work and rubber flooring.

17— THEATRES

COMMISSIONED TO PREPARE PLANS.
WEST LOS ANGELES, Calif.—Architect Allen G. Siple, 9533 Brighton Way, Beverly Hills, has been commissioned to prepare plans for a theater building to be built in the Westwood tract, West Los Angeles, for the Westwood Theatrical Guild, Dickson Morgan, manager, 1003 Broxton Ave., West Los Angeles. The building will be of reinforced concrete construction.

18— WHARVES & DOCKS

BONDS VOTED
STOCKTON, San Joaquin Co., Cal. —Bonds in the amount of $900,000 were voted by the City of Stockton to finance construction of additional port facilities. Work includes an 1850 foot wharf, transit sheds and extensions of railroad spur tracks.

19—MISC. CONSTRUCTION

PREPARING PLANS.
SAN DIEGO, Cal.—Architect F. L. Hope, Jr., Commonwealth Bldg., San Diego, is preparing plans for a children's hospital and hydrotherapy pool to be constructed at 850 S. 36th St., San Diego, for the San Diego Society for Crippled Children. Details will be announced in any early issue.

Contract Awarded.
SHED Cost, $1795
SAN JOSE, Santa Clara Co., Calif. North side of Taylor St. bet. 7th and 8th Sts.
Frame and corrugated shed.
Owner—Santa Clara County Vegetable, Berry and Fruit Growers' Assn.
Architect—Binder & Curtis, 35 West San Carlos Street.
Contractor—V. Lanotti, 435 Hicks Ave., San Jose.

BIDS OPENED
BOISE, Idaho.—J. O. Jordan & Son, Boise, at $7,335 submitted low bid to the Veterans' Administration on Feb. 6 (as previously reported) for the construction of an incinerator and incinerator house at Veterans' Administration Facility, Boise.
Complete bids follow:

J. O. Jordan, & Son, Boise	$ 7,345
Rau Const. Co., Kansas City	8,530
Guy Sisson, Boise	8,535
T. G. Egan Refactor Engr. Co., Brooklyn, N. Y.	9,940
C. F. Dinsmore & Co., Boise	11,640
H. J. Jarman Co., Detroit(incinerator and chimney only)	4,908

BIDS OPENED.
SAN FRANCISCO.—H. C. Reid and Co., 389 Clementina St., at $3,840 submitted low bid to the Park Commissioners, for furnishing and installing floodlighting equipment for the cross on Mount Davidson. George W. Kelham, 315 Montgomery St., architect. Following bids received:

H. C. Reid & Co.	$3,840
Alta Elec. & Mech. Co.	3,845
NePage - McKenny Co.	3,850
Weidenthal Gosliner Co.	3,862
H. S. Tittle	3,862
Radelfinger Bros.	3,892
Lynn & Heffernan	3,894
Central Electric Co.	3,895
Enterprise Electric Co.	3,897
Victor Lemoge	3,900
Dowd-Seid Electric Co.	3,920
Eureka Electric Radio Co.	3,970
Aptos Electric Co.	3,982
H. S. Haverkamp	3,090
American Electric Co.	4,015
Charles Langlais	4,020
Armstrong Electric Co.	4,021
Paragon Electric Co.	4,076
Scott - Buttner Co.	4,130
Severin Electric Co.	4,220

Bids held under advisement.

Contract Awarded.
GRAIN ELEVATOR Cost, $1,000,000
VANCOUVER, Washington.
Construct conc. grain elevator (work involves pile driving, etc.) capacity of 2,000,000 bushels.
Owner—Spokane, Portland & Seattle Railway Co., Commerce Building, Portland (A. J. Winchell, Assistant Superintendent).
Plans by John S. Metcalf Co., Chicago
Contractor—Alloway & George, Spokane.
The elevator proper will be constructed on a cost plus basis. As previously reported, foundation contract awarded to Parker-Schram Co., Couch Bldg., Seattle.

CONTRACT TWARDED
SAN FRANCISCO—American Builders, Inc., 601 Alaska Bldg., Seattle, Wash., at $30,452, and Tilden Lumber Co., 400 High St., Oakland, at $46,579 awarded contract by U. S. Forest Service, San Francisco, for furnishing 175 readycut houses for various stations in the National Forests of California and Nevada, including the following:
(A1) 13 ranger stations, one - etory living room, two bedrooms, bath and kitchen, without basement;
(A2) Do with basement;
(B) 29, 3-room guard stations;
(C) 3 3-room fireman lookout stations
(D) 9 guard stations for crew type;
(E) 15 two-room offices;
(F) 5 one-room offices;
(G) 1 double garage.
Complete bids published Feb. 2.

Contract Awarded.
OAKLAND, Alameda Co., Cal.—Standard Brands Company awarded a contract to Alphons Custodis Chimney Constr. Co., 450 Mission St., San Francisco, for the construction of a concrete chimney at 921 98th Avenue, Oakland. Cost, $8422.

PLANS BEING FIGURED
STOCKTON, San Joaquin Co., Cal. —Until March 5, 11 A. M., bids will be received by Eugene D. Graham, Clerk, County Board of Supervisors, for the construction of a frame and stucco abattoir to be erected at the San Joaquin General Hospital, Stockton. Ralph P. Morrell, 1519 N. Commerce St., Stockton, architect. Plans and specifications available from above office.

PLANNED.
SANTA CRUZ, Santa Cruz Co., Cal. —Casa del Rey Hotel is planning to resurface the tennis courts at the hotel. Estimates are now being taken on the cost.

Completing Revised Plans.
MORTUARY Cost, $50,000
OAKLAND, Alameda Co., Cal. 38th St. and Telegraph Ave.
Two-story frame and brick veneer chapel (tile roof, etc), to connect with mortuary.
Owner—The Truman Co., 2935 Telegraph Ave., Oakland.
Architect—Blaine & Olson, Bank of America Bldg., Oakland.
Contractor—E. T. Leiter & Son, 811 37th St., Oakland.
Work will be started shortly.

BIDS WANTED.
HAMILTON FIELD, Marin Co., Cal. —Until February 23, 2 P. M., bids will be received by the Post Quartermaster, Hamilton Field, for furnishing metal covers for underground garbage receptacles. Specifications available from above office upon request.

BIDS WANTED.
LOS ANGELES, Cal.—Until 9:30 A. M., Feb. 28, bids will be received by the Los Angeles board of education for the erection of 57 sanitary buildings, exclusive of plumbing, at various school sites. Plans and specifications are on file in the office of the secretary of the board, room 761, Chamber of Commerce Bldg.

Contract Awarded.
SILOS Cost, $100,000
PORTLAND, Ore. Willamette River (Fisher Property).
Construct approximately 10 reinforced concrete silos.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

NAVY DEPARTMENT

BREMERTON, Wash.—Until February 27, 10 a.m., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., for furnishing 1,522 ft. of LUMBER hardwood oak (white), rough, Req. No. 398 NSA. Specifications obtainable from above office and from the Navy Purchasing Office, 100 Harrison St., San Francisco.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for the following, under Schedule No. 1703:
SKID PLATFORMS, 2,000 Puget Sound, Feb. 13.

BREMERTON, Wash.—Until February 27, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., for furnishing under Req. No. 52 NIRA, S & A, the following:
(1) 39,325 lbs. STEEL, rivet, medium, bar, round, ⅝-in. diam., lengths 16 to 20 feet, weight per foot 1.043 lb.

To be delivered within 25 days after date of contract. Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for machinery and equipment as follows:
WHEELBARROWS, steel; 75, Mare Island. Sch. 1724; Feb. 20.
CHAIRS and stools, aluminum; East and West Yards. Sch. 1698; Feb. 20.
INDICATING SYSTEMS, tank level, and spares; East and West Yards. Sch. 1752; Feb. 23.
GUNS, metal spraying; 3. East and West Yards. Sch. 1767; Feb. 27.
SHAPES, steel; East and West Yards. Sch. 1748; Feb. 27.
VALVES, rubber pump; East and West Yards. Sch. 1734; Mar. 6.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials as follows:
IRON, foundry pig; 50 tons, Mare Island; 40 tons, Puget Sound. Sch. 1695; Feb. 20.
VALVES, reducing; globes and spares; for East and West Yards. Sch. 1719; Feb. 20.
PLATES, steel; East and West Yards. Sch. 1720; Feb. 20.
SILVER SOLDER; 600 troy ounces, San Diego; 500 troy ounces, Mare Island; 500 troy ounces Puget Sound. Sch. 1731; Feb. 23.
STEEL, sheet; East and West Yards. Sch. 1726; Feb. 23.
PIPE, welded steel; 7200 ft., East or West Yards. Sch. 1743; Feb. 27.
LINOLEATE, manganese; 9000 lbs., Mare Island. Sch. 1764; Feb. 27.
STEARATE, aluminum; 3800 lbs., Mare Island. Sch. 1763; Feb. 27.
GUM, ester; 125,000 lbs., Mare Island. Sch. 1765; Feb. 27.
LEATHER, belting, lacing, etc.; East and West Yards. Sch. 1747; Feb. 27.
RUBBER, packing and gasket; East and West Yards. Sch. 1739; Mar. 6.
MINERAL OIL AND KEROSENE; Eeast and West Yards. Sch. 1732; Mar. 6.
OIL, bunker B fuel, for Chefoo, China. Sch. 1721; Mar. 2.

CANAL ZONE

PANAMA CANAL ZONE — Until February 26, 10:30 A. M., bids will be received by the General Purchasing Officer, A. L. Flint, Panama Canal, Washington, D. C., under Schedule No. 2940 for furnishing the following equipment:
(1) 1 LATHE, high duty, 18-inch screw cutting, electric - motor driven.
(2) 1 SHAPER, 20-in. electric motor driven.
(3) 1 DRILL PRESS, 24-in., electric motor driven.
(4) 1 DRILL, friction driven, sensitive drill, floor type, "Willey") or equal.
(5) 1 HACKSAW, power, motor-driven, 17-in. blades, draw cut type, Marvel No. 2 or equal.
(6) 1 MACHINE, dry metal grinding, floor mounted, double, motor-driven, including attached electric motor.

Delivery at Cristobal or Balboa, C. Z. Specifications obtainable from above office, and at the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

SAN FRANCISCO CITY

SAN FRANCISCO—Until February 23, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for the sale of the following equipment under Sale No. 93: (1) 1 Type N-2 Used Cement Gun, with a used Ingersoll-Rand A C Air Motor; (2) 1 14-in. LeBlond Lathe, series C 4742, with a used 2-hp. motor. The above equipment may be inspected at Livermore, Calif.

RECLAMATION SERVICE

BOULDER CANYON, Nevada—Until February 21, 2 P. M., bids will be received by A. McD. Brooks, Purchasing Agent, Bureau of Reclamation, Custom House, Denver, Colo., for furnishing f.o.b. cars at Boulder City, Nevada, also f.o.b. mill, 160 drums asphalt emulsion of the Bentonite clay pipe, or similar, otherwise in accordance with the specifications and notice to bidders, 55 gallons to the drum.

Specifications obtainable from above office.

BOULDER CANYON, Nevada—Until February 23, 2 P. M., bids will be received by A. McD. Brooks, Purchasing Agent, Bureau of Reclamation, Denver, Colo., for furnishing deformed steel reinforcement bars, structural or intermediate grade billet steel in accordanc with Federal Specifications for concrete reinforcement bars, Symbol No. QQ B 71, for Boulder Canyon, NIRA Bid No. 23,095-A. f. o. b. cars at Boulder City, Nevada.

Specifications obtainable from above office

WAR DEPARTMENT

FORT LEWIS, Wash.—Until February 20, 10 A. M., bids will be received by Capt. R. A. Blair, Constructing Quartermaster, Fort Lewis, under Req. 6105-34-36, for furnishing 4100 ft. 8-in. concrete drainage pipe; 12,250 ft. 6-in. clay sewer pipe; 1400 ft. 10-in. clay sewer pipe; and 145 wyes and bends.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until February 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 788 SDO, for furnishing 40,000 metal signs, Form 458-A, Forest Service Subdivision Location Poster, 4-in. by 5-in., rounded corners and punched; yellow background and black ettering. Delivery f.o.b. bidder's shipping point

GOVERNMENT ISLAND, Cal.—Until February 19, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 787:
(1) 1 each—DRILL SHARPENER, air, for ⅞-in. rock, drill steel, complete with base, ready to operate.
(2) 1 each—DRILL STEEL FURNACE, oil, without fuel oil tank.

Specifications obtainable from above office. F. o.b. shipping point of bidder.

GOVERNMENT ISLAND, Cal.—Until February 19, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 763:
(1) 150 each—CARRIER BRACKETS, f.o.b. Government Island, Oakland.
(2) 50 each—ANGLE BRACKETS for above carrier, f.o.b. Government Island, Oakland.

Specifications obtainable from above office and sample may be seen at Warehouse Building, No. 76, Government Island, Oakland.

GOVERNMENT ISLAND, Cal.—Until February 19, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Invitation Bid No. 790, as follows:
(1) DETACHABLE DRILL BITS, with side air hole, Chisel type, Ingersoll-Rand thread:
(a) 1⅝-in. diameter, 3000;
(b) 1 6/8-in. diameter, 3000;
(c) 1⅞-in. diameter, 3000;
(d) 2-0-in. diameter, 2000;
(e) 2⅛-in. diameter, 3000.

Delivery f.o.b. Government Island, Oakland. Specifications obtainable from above office.

SANTA CLARA COUNTY

SAN JOSE, Cal.—Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, Chief Engineer for the Santa Clara Water Conservation District, is receiving quotations on cement, reinforcing steel and form lumber, required by the District in construction of the Page Dam on Los Gatos Creek near Campbell, Santa Clara County. The work is being done by CWA labor.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

ARIZONA STATE.—Until Feb. 21, 10:30 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for bridge construction on the Safford-State Line Highway, NRH 88-C (A.F.E. 1803). The work, which is located about 1½ mi. southeast of the town of Duncan, consists of the construction of one timber bridge surfaced with a 3-in. compacted oil cake, and is to be completed on or before May 31, involving:

(1) 250 cu. yds. struc. excav.;
(2) 35 MBM treated timber;
(3) 2 MBM untreated timber;
(4) 1180 lin. ft. treated timber piles;
(5) 360 sq. yds. furnish and place oil mix;
(6) 900 gals. road oil;

Alternate Item

(7) 39 MBM redwood timber;
(8) misc. items of work.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. An appropriation in the amount of $10,000 has been made for the construction of the above project.

BIDS WANTED

WALLOWA COUNTY, Ore. — Until February 21, 10 A. M., bids will be received by U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, for construction of 3 bridges on the Enterprise-Imnaha highway over Imnaha river, Campand Butte creeks, Project NR-39-A1, National Forest Road Project located within or adjacent to Wallowa National Forest, County of Wallowa. The three bridges consist of varying spans as follows: Imnaha river one 76-ft. I-beam span with two 20-ft. and one 13-ft. framed trestle spans; Camp Creek, one 70-ft. and two 12 ft. 6 in. I-beam spans, and Butte Creek, one 50-ft. I-beam span, involving:

(1) 950 cu. yds. unclass. excav.;
(2) 56 MFBM untreated timber;
(3) 103 cu. yds. Class A concrete;
(4) 21 cu. yds. Class B concrete;
(5) 10,800 lbs. reinf. steel;
(6) 94,000 lbs. struc. steel;
(7) lump sum, remove and dispose of existing span over Imnaha river.

Plans and specifications obtainable from above office upon a deposit of $10.00.

SUB-CONTRACT AWARDED

MARE ISLAND-VALLEJO, Cal.—Halloran Bros., 60 Jersey St., San Francisco, awarded grading contract by Barrett & Hilp, 918 Harrison St., San Francisco, for construction of causeway between Mare Island and Vallejo.

PLANNED

ARVIN, Kern Co., Cal.—Application has been filed with the Railroad Commission by Robert L. Stockton, operating as the Arvin Gas Company, for a certificate of public convenience and necessity to serve gas for light, heat and power to the town of Arvin and to homes and farms adjacent to pipe lines. The application states that the area proposed to be served has an approximate population of 5,000 inhabitants and is without gas service.

February 19 has been set as the date for receiving bids by the Kern County Board of Supervisors, for a franchise to lay a pipe line from Mountain View oil field to the farming district. Estimated cost, $50,000.

CONTRACT AWARDED.

ARIZONA STATE.—Vinson & Pringle, 919 E Madison St., Phoenix, at $42,528 awarded contract by Arizona State Highway Commission, Phoenix, for constructing NRS Project 100-B (AFE No. 8407). The work, which is located about one mile east of town of Gila Bend, consists of construction of a railroad overpass and approaches, including oil processing of approaches and is to be completed on or before May 31.

BIDS WANTED

WHITMAN COUNTY, Wash.—Until February 27, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for constructing two reinforced concrete girder bridges with concrete pavement approaches, one 113-ft. long and the other 103-ft. long, Cooper Lake bridge and Codd bridge, respectively, over the South fork of the Palouse river in Colfax on State Road No. 3, U. S. Public Works Project No. NRM 501-B, in Whitman County, involving:

(1) 1,370 cu. yds. concrete;
(2) 184,000 lbs. steel reinf. bars;
(3) misc. items of work.

Plans and specifications obtainable from above office upon deposit of $2.00 for each set.

TO ASK FUNDS.

LOS ANGELES, Cal.—Lloyd Aldrich city engineer, has compiled a list of 16 bridge construction projects for which an application will be made to the Public Works Administration for a loan and grant of $1,919,303 if Congress appropriates additional funds to the PWA. The bridges are:

Structure for Wilshire Blvd. across Westlake Park;

First St. and Glendale Blvd., grade separation.

Adams Blvd. and Inglewood Blvd., over Ballona Creek.

Magnolia St. and San Fernando Rd. over the Middle Tujunga wash.

San Pasqual Ave. over the Arroyo Seco.

Fowler Ave. grade separation at the Pacific Electric tracks.

Chatsworth St. at Woodley Ave.

Anaheim St. at Gaffey St.

Chandler Blvd. across West Tujunga Wash.

Bridges across the Los Angeles river ta Hollywood Way, Victory Blvd., Colfax Ave., Diaz Ave. and Fulton Avenue.

BIDS WANTED.

SAN DIEGO COUNTY, Cal.—Until March 7, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for construction of three bridges between one and six miles south of National City; one across Okay river, consisting of 23 19-ft. timber stringer spans on timber pile bents, one across Sweet Walker Channel, consisting of nineteen 19-ft. timber stringer spans on timber pile bents; and one across North Sweet Water Channel, consisting of 8 19-ft. timber stringer spans on timber pile bents, involving:

(1) 4,800 cu. yds. channel excav.;
(2) 290 cu. yds. concrete to be removed and disposed of;
(3) 14,030 lin. ft. furnishing treated Douglas fir piles including test piles;
(4) 446 each drive do;
(5) 501 MFBM redwood timber bents select all-heart struc. grade;
(6) 131 MFBM redwood timber, sel. all-heart struc. grade;
(7) 37 cu. yds. Class B Portland cement concrete;
(8) 660 tons asphalt concrete;
(9) 13,000 lbs. structural metal;
(10) 1 lot misc. items of work.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CONTRACT AWARDED

SAN JOAQUIN COUNTY, Cal.—G. W. Jacobs, 845 W. Magnolia Street, Stockton, at $9887 awarded contract by the San Joaquin County Board of Supervisors, Stockton, for repairs on the following bridges: Jacobs No. 1—Bridge over the San Joaquin River on the Borden Highway about 2 miles west of Stockton; King Island Bridge over Bishop Canal on the King Island Road and about 12 miles northwest of Stockton; Grant Line Bridge over the Grant Line Canal on the Tracy Island Road and about 6 miles north of Tracy. Complete bids follow.

Geo. W. Jacobs, Stockton	$ 9,887
M. A. Jenkins, Sacramento	11,769
Pan-Pacific Piling & Constr. Co. Wilmington	14,466
Bundesen & Lauritzei, Pittsburg	15,212
C. A. Lauritzen, Antioch	17,000

AWARD

LOS ANGELES, Cal.—Clinton Construction Co. of California, 923 Folsom St., San Francisco, at $93,019.50 awarded contract by State Highway Commission, Sacramento, for construction of two reinforced concrete girder bridges; one across Monterey Pass Road, consisting of one 87 foot reinforced concrete girder spans on concrete piers and abutments with wingwalls; and one across Coyote Pass Road, consisting of one 65-ft. and two 32-ft. 6-in. reinforced concrete girder spans on concrete piers and abutments, about one mile south of Alhambra in Los Angeles County.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED.

OAKLAND, Cal.—Until March 1st, bids will be received by the U. S. Coast Guard, Washington, D. C., for the construction of a steel sheet pile bulkhead, approximately 1,528 feet in length, boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island, Oakland. Estimated cost $280-000. Plans and specifications available from the Coast Guard Office at Oakland. No deposit required.

Following have procured plans:

Clinton Const. Co., 923 Folsom St., San Francisco.

Schuler & McDonald, 1723 Webster St., Oakland.

Duncanson-Harrelson Co., 1405 De-Young Bldg., San Francisco.

Bethlehem Steel Co., Washington.

M. B. McGowan, Call Building, San Francisco.

Bodenhamer Const. Co., Oakland.

Ben C. Gerwick, 112 Market St., San Francisco.

Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

AWARD RECOMMENDED

RICHMOND, Cal.—Standard Dredging Co., 325 Central Bldg., Los Angeles, at $2150.90 has been recommended for award by the U. S. Engineer Office, San Francisco, for dredging 36,580 cu. yds. of material in Richmond Harbor. The work extends from a point in the government channel about 125 ft. north of the southerly end of ParrRichmond Terminal No. 2 northerly for a distance of about 700 ft. to the pierhead line at the northern end of the channel.

Standard Dredging Co. submitted only bid received.

BIDS WANTED.

OREGON - WASHINGTON. — Until March 6, 3 P. M., bids will be received by the U. S. Engineer Office, Major C. F. Williams, district engineer, 306 Customhouse, Portland, for dredging in Baker Bay a channel 200 ft. wide on the bottom and 10 ft. deep at mean lower low water, extending from deep water near the east end of Sand Island, Columbia river, for a distance of about 3½ miles to the Port of Ilwaco, Wash., involving 950,000 cubic yards of material, under Spec. No. 34-414.

Specifications obtainable from above office.

23— IRRIGATION PROJ.

February 10, 1934

ELECTION PLANNED.

SAN JOAQUIN COUNTY, Cal.—The Board of Directors of Linden Irrigation District, San Joaquin County, has set March 1 as the date of an election to authorize an assessment of $9-000 for excavation of North Slough channel and installation of necessary flow regulation structures.

A. L. Cowell, secretary of the board. 23

PLANNED.

SAN DIEGO, Cal.—The City of San Diego has under consideration a proposed agreement with the Department of the Interior whereby the City would underwrite the additional cost, estimated at $400,000, of enlarging the All-American Canal, to include an additional supply for San Diego.

25—MACHINERY AND EQUIPMENT

CONTRACTS AWARDED.

SAN BERNARDINO, Calif. — F. P. Cronemiller, Forest Supervisor, San Bernardino, reports that contracts for rental of equipment for Forest Service in the San Bernardino National Forest, during the month of January were awarded as follows:

Pearson Chevrolet Co., San Bernardino, 6-ton pay load, stake-side truck, one at $10 per day; 1½-ton stake-side truck, one at $3.50 per day; ½-ton stake-side truck, three at $5 per day.

A. S. Hubbs, 275 Palm Drive, Colton, ½-ton pick-up, two at $3.49 per day.

A. R. Hinkley, Redlands, 1½-ton stake-side truck, one at $5 per day.

Fred M. Small, San Bernardino, 7 cu. ft. cement mixer, one at $4 per day; 1½-ton stake-side truck, one at $6 per day.

Phil L. Brown, San Bernardino, 1½-ton stake-side truck, one at $6.40 per day.

A. C. Bussey and K. O. Holte, Riverside, ½-ton pick-up, one at $2.95 per day; ½-ton dump truck, one at $6.50 per day.

Manker & Benson, Inc., Upland, ½-ton pick-up, one at $1.50 per day.

Miller Const. Co., San Bernardino, 7 cu. ft. cement mixer, one at $4 per day.

Vernon Beverage Co., San Bernardino, 1½-ton stake-side truck, one at $5.50 per day.

C. E. Edwards, San Bernardino, 1½ to stake-side truck, one at $5.50 per day.

A. Churchill, Hemet, 1½-ton stake-side truck, two at $5 per day.

Western Machinery Co., San Francisco, 120 cu. ft. air compressor, one at $79 per month; one 220 cu. ft. do at $132 per month; four jack hammers at $25 first month, $20 second month, and $15 thereafter.

George Herz Co., San Bernardino, one 60 Trailbuilder at $390 per month; one 60 Caterpillar at $280 per month.

Hulse Anderson Co., El Centro, one 30 Tractor, at $150 per month; one 60 Trailbuilder at $390 per month.

Brown-Bevis Equip. Co., Los Angeles, two 120 ft. compressors at $79 per month; one jack hammer at $30 per month.

Smith, Booth, Usher, Los Angeles, one 60 Ripper at $75 per month; 10-ft. heavy grader, one at $100 per mo.

Crook Co., Los Angeles one 60 Tractor at $315 per month; one 10-ft. grader at $80 per month; two AC 35 Trailbuilders at $375 per month.

C. G. Willis & Son, Los Angeles, one Road Ripper at $50 per month.

PROSPECTIVE BIDDERS.

LOS ANGELES, Cal.—The following have procured plans for furnishing storage battery locomotives, air compressors, centrifugal compressors, motor generator sets, dump cars, flat car truck and mucking machines, under Spec. No. 65, bids for which will be opened by the Metropolitan Water District, 306 W 3rd St., Los Angeles, February 27, 10 A. M. (as previously reported):

Electric Storage Battery Co., 341 W 18th St., Los Angeles.

Electric Machinery & Mfg. Co., 912 E 3rd St., Los Angeles.

Leight M. Railsback, 4880 Alhambra Ave., Los Angeles.

Nordberg Mfg. Co., 846 Subway Terminal Bldg., Los Angeles.

Goodman Mfg. Co., 316 E 3rd St., Los Angeles.

Harnischfeger Sales Corp., 2025 Santa Fe Ave., Los Angeles.

Sullivan Machy. Co., 2900 Santa Fe Ave., Los Angeles.

Arthur Haller, 258 S Hudson Ave., Pasadena.

The Rix Co., 810 Santa Fe Avenue Los Angeles.

Westinghouse Elec. & Mfg. Co., 420 S San Pedro, Los Angeles.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

Chicago Pneumatic Tool Co., 655 Santa Fe Ave., Los Angeles.

Smith, Booth, Usher Co., 2001 Santa Fe Ave., Los Angeles.

Griffin Wheel Co., 6421 Santa Fe Ave., Los Angeles.

Beeson Engr. Co., Ltd., 2501 East 52nd St., Los Angeles.

Fairbanks, Morse & Co., 423 East 3rd St., Los Angeles.

Bevis Machy. Co., 3649 Santa Fe Ave., Los Angeles.

De Laval Steam Turbine Co., 707 Bendix Bldg., Los Angeles.

American Bower Co., 429 Shell Bldg., 1008 W 6th St., Los Angeles.

Koppel Industrial Car & Equipment Co., 2416 E 16th St., Los Angeles.

Garlinghouse Bros., 2416 E 16th St., Los Angeles.

Douglas C. Corner, St. Louis Power Shovel Co., 322 E 3rd St., Los Angeles.

Gardner-Denver Co., 845 E 61st St., Los Angeles.

Allis-Chalmers Mfg. Co., 1117 Rowan Bldg., Los Angeles.

Chas. B. Cooper, 519 Delta Bldg., Los Angeles.

F. E. Weymouth, chief engineer.

AWARD.

FORT PECK DAM, Mont.—General Electric Co. at $779,500 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for furnishing electrical equipment for dredges at Fort Peck Dam site.

COMPLETE BIDS

PEARL HARBOR, T. H. and Mare Island, Calif.—The following identical bids were received by the Chief of the Bureau of Yards & Docks, Navy Department, Washington, D. C., for furnishing:

(1) 2 horizontal 2-stage motor-driven air compressors for the Naval Fleet Air Base and Navy Yard, Pearl Harbor, T. H. Spec. No. 7571.

Unit items:

(1) Work complete, $49,340.
(2) 3270 ft. air compressor for Pearl Harbor, $30,365.
(3) 570 ft. air compressor for Pearl Harbor, $9895.
(4) 570 ft. air compressor for Mare Island, $9080.
(5) Deduct from items 1 and 2, $2125.
(6) Add or deduct per calendar day from items 1, 2, 3 and 4, for each day in access or less than time specified if erector is required to remain at site of work.

The bidders were:

Chicago Pneumatic Tool Co., New York.

Bury Compressor Co., Erie, Pa.

*Gardner-Denver Co., Washington, D. C.

Lordburg Mfg. Co., Milwaukee, Wis.

Mardie-Tynes Mfg. Co., Birmingham, Ala.

Sullivan Machinery Co., Chicago.

*Pennsylvania Pump & Comp. Co., Easton, Pa.

Ingersoll-Rand Co., Washington, D. C.

Worthington Pump & Machinery Corp., Washington, D. C.

* Did not bid on Items 1, 2 and 5.

30—RESERVOIRS & DAMS

CONTRACT AWARDED.

BONNEVILLE, Ore.—Guy F. Atkinson, Russ Bldg., San Francisco, at $1,173,390 awarded contract by War Department (U. S. Engineer Office, Portland) for the construction and maintenance of earth fill cofferdams, a cofferdam sluiceway, a railroad grade crossing, the grading and surfacing of about one-fourth of roadway and the excavation and disposal of about 825,000 cu. yds. of material

from the site of the Bonneville powerhouse and navigation lock.

Major C. F. Williams, District Engineer.

31—PIPE LINES & WELLS

MANHATTAN BEACH, Cal.—Lyon Bros., 1363 Carmona St., Los Angeles, at $1500 plus $5 per ft. for depth over 300 ft., submitted low bid to the Manhattan Beach city council Feb. 8 for drilling complete a 16-in. well with standard double 10-gauge casing on lot 4. The depth of the well is to be approximately 300 ft.

Items and complets bids follow:
(1) drilling well to 300 ft. depth;
(2) price for each additional foot.

Lyon Bros., Los Angeles, (1) $1500; (2) $5.00.

J. N. Rodgers, San Pedro, (1) $1620; (2) $5.40.

W. A. Wood, Long Beach, (1) $1653; (2) $5.51.

Griffin & Meyers, Bell, (1) $1656; (2) $5.52.

Jas. H. Tompkins, Downey, (1) $1,679.64; (2) $5.43.

Barber & Bridge Drilling Corp., Los Angeles, (1) $1679.83; (2) $5.56.

Roscoe Moss Co., Los Angeles, (1) $1679.83; (2) $5.43.

Chas. Wilson, Tustin, (1) $1704.65; (2) $5.68.

All bids taken under advisement until Thursday, Feb. 15. L. C. Lull, city engineer.

CONTRACT AWARDED

NOGALES, Arizona—T. A. Allen Const. Co., 108 W 6th St., Los Angeles, at $226,998.55 awarded contract by the International Boundary Commission, El Paso, Texas, for construction of a single barrel conduit with the inside dimensions 20 ft. in width and varying from 11 ft. 2 in. to 18 ft. 8 in. in height, with length of 4320 ft.; open concrete channels, 930 ft. in length, varying from 22 to 25 ft. in width with side walls 15 ft. 6 in. high. One concrete highway bridge will be required.

BIDS OPENED

ALHAMBRA, Cal.—The following bids were received by the Alhambra City Commission, February 6, for drilling and casing a 26-in. well near the northeast corner of Granada Ave. and Mission Road:

(1) Price complete to a depth of 500-ft., (2) Price per ft. 500 to 600 ft., (3) Price per ft. 600 to 700 ft., (4) Price per ft. 700 to 800 ft., (5) Price per ft. 800 to 900 ft.

The bids were:

G. G. Paonessa, (1) $6885.94; (2) $12.90 (3) $12.90; (4) $13.75; 5) $13.75.

Barber & Bridge (1) $6885; (2) $12.90; (3) $12.90; (4) $13.40; (5) $13.40.

Saunder Bros., (1) $6885; (2) $12.90; (3) $12.90; (4) $13.40; (5) $13.40.

W. D. Anderson, (1) $6940; (2) $13.00; (3) $13.00; (4) $13.00; (5) $13.50.

W. A. Rice, (1) $6885; (2) $12.90; (3) $12.90; (4) $13.40; (5) $13.40.

Roscoe Moss Co., (1) $6885; (2) $12.90; (3) $12.90; (4) $13.40; (5) $13.40.

Bids taken under advisement.

32—SEWERS & SEWAGE DISPOSAL PLANTS

PROSPECTIVE BIDDERS.

ONTARIO, San Bernardino Co., Cal.—The following have procured plans for constructing an activated sludge type sewage disposal plant and an outfall sewer system, bids for which will be opened by the Ontario City Council at 7:30 P. M., February 19 (as previously reported):

American Cast Iron Pipe Co., 412 W 6th St., Los Angeles.

Worthington Co., 5075 Santa Fe Ave., Los Angeles.

J. M. Gardiner, 4006 4th St., Riverside.

Fairbanks, Morse & Co., Los Angeles.

W. J. Tobin, 3701 Balfour Avenue, Oakland.

Campbell Const. Co., 228 E Transit St., Ontario.

S. J. Moran, A St., Ontario.

Dorr Co., Central Bldg., Los Angeles.

T. C. Pritchard, 5260 Magnolia, Riverside.

Water Works Supply Co., 417 South Hill St., Los Angeles.

H. A. Teget, 133 Princeton Street, Ontario.

Currie Engineering Co., 219 Andreson Block, San Bernardino, consulting engineer. C. C. Peabody, city clerk.

BOND ELECTION.

HUNTINGTON BEACH, Orange Co. Cal.—The city council has fixed April 9 as date for voting bonds in amount of $100,000 to finance the construction of a sewage disposal plant and outfall sewer for which an application has been made to the Federal Administration of Public Works for a loan of $75,939.40 and a grant of $23,949.60.

The work will include a pumping plant, sludge digestor, sprinkler filter, sludge drying beds, secondary clarifier garage and tool house, piping and valves, cement curbs, 4000 cu. yds. fill, grading and oiling fill, operator's house, landscaping, 2100 ft. of 18-inch trunk sewer, 5000 ft. of 21-in. outfall sewer and manholes, etc.

Ormond A. Stone, 605 W 10th St., Los Angeles, consulting engineer.

FUNDS APPLIED FOR.

COALINGA, Fresno Co., Cal.—The city of Coalinga has applied to the Federal Administration of Public Works for a grant of $5994 towards the cost of extension of existing main outfall sewer and construction of sewage disposal plant, consisting of sedimentation tank, transfer equipment, sludge digester, and drying beds at an estimated total cost of $21,750, divided as follows: materials $11,379.52 and labor, $8599.41, involving:

1893 ft. 15-in. vitrified sewer;
1100 ft. excavation and backfill;
5 manholes;
bridge 64-ft. long;
Trestle 700-ft. long;
Sedimentation tank, $6000;
Sludge digester, $5700;
Pump, pipe and fittings, $2800;
Drying beds and ditch.

John S. Bates, 3134 Elm Avenue, Beverly Hills, consulting engineer.

PLANNED

PALM SPRINGS, Cal.—The organization of the Palm Springs Sanitation District was approved at the special election February 6. The district proposes to install at $75,000 sewer system with CWA aid and a local bond issue. The Board of Directors includes: C. G. Chamberlain, W. J. Martin, J. W. Williams, Harold A. Brown and Earle Strebe.

BIDS OPENED

FRESNO, Cal.—Utilities Supply Co., 1840 E. 15th St., Los Angeles, at $20,656.06 submitted low bid to the Fresno City Commission, for furnishing cast iron pipe, for the Water Department, as follows:

(1) 4900 ft. 8-inch pipe;
(2) 10,400 ft. 10-inch pipe;
(3) 500 ft. 12-inch pipe.

Complete bids follow:

Utilities Supply Co., Los Angeles, $20,565.06.

American Cast Iron Pipe Co., San Francisco, $20,893.

Pacific States Cast Iron Pipe Co., San Francisco, $20,918.80.

U. S. Pipe & Foundry Co., San Francisco, $21,378.30.

Bids taken under advisement and submitted to PWA headquarters in San Francisco.

AWARDS RECOMMENDED.

COLTON, San Bernardino Co., Cal.—Recommendations and tentative awards of contracts for the construction of the Colton Water Supply System were announced by the Colton city council and referred to F. E. Trask, state engineer for the PWA, for approval before formal awards are made. The tentative awards follow:

PIPE LINES: Item I, Southern Pipe & Casing Co., Azusa, at $39,999.75.

RESERVOIR, Item II, Myers Bros., 3407 San Fernando Road, Los Angeles at $43,450.

DRILLING WELL No. 8, Item III, J. A. Magill and D. A. Beck, 812 G St., Colton, at $5,838 plus $294 for testing. This award was made on reconstructed bids submitted at the meeting February 8. This procedure was approved by the PWA engineer. The reconstructed bids, which were practically identical, were approximately $1,000 less than the figures submitted February 5.

DRILLING WELL No. 7—All bids rejected.

PUMP Houses and Equipment, Item IV, All bids rejected.

Further action will be taken by the council February 12. Complete bids published February 7.

33—. WATERWORKS

BIDS WANTED

RED BLUFF, Tehama Co., Calif.—Until February 19 at 7:30 P. M., bids will be received by the Red Bluff city council for furnishing equipment for the City Water Works as follows:

CHLORINATOR, capable of supplying one to five pounds of chlorine per 24 hours against a pressure of 12 lbs. at point of application.

PUMP, Motor and Tank, automatic, with capacity of 250 to 350 gallons per hour at a minimum pressure of 36 pounds.

Each bidder is to furnish plans and specifications for type of equipment which he proposes to furnish. E. E. Stevens, superintendent of City Water Works.

BIDS WANTED

LOS ANGELES, Cal. — Until March 1, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of Los Angeles Water & Power Bureau, Room 704, 207 S. Broadway, for furnishing:

(1) 2 7-ft. diameter, hydraulically operated butterfly gate valves, with cast steel in body and disc, f.o.b. cars Saugus.

(Alt. 2) 2 7-ft. by 0-in. diam., hydarulically operated, butterfly gate valves, with Meehanite Metal Grade A in body and disc., f.o.b. cars Saugus.

Specifications No. 1385.

CONTRACT AWARDED.

GOLETA, Santa Barbara Co., Calif.—J. L. Ackland, 818 South Kingsley Drive, Los Angeles, at $1944 awarded contract by the Elwood Union School District for constructing a 30,000-gal. circular reinforced concrete reservoir at the Ellwood Union School. Bids were also taken on a 15,000-gal. reservoir. The bids were:

J. L. Ackland, Los Angeles (30,000 gal.) $1944; (15,000 gal.) $1464.

Nels Oakeson, $1695; $1378.

Robert G. Paterson, $1840; $1337.

H. E. Adams, $2233; $1900.

Gordon MacLeish, 1527 Olive Street, Santa Barbara, consulting engineer.

CONTRACT AWARDED.

GOLETA, Santa Barbara Co., Calif.—Fairbanks, Morse & Co., at $723.32

awarded contract by the Ellwood Union School District for furnishing and installing complete a hydro-pneumatic pumping plant. The other bids were:
Jeffries & Doherty, Gould pump $751.00
Ott Hardware Co., Gould pump and motor 799.20
F. T. Stewart, Gould pump..... 825.00
Tom Windas, Gould pump..... 995.00
Gordon MacLeish, 1527 Olive Street, Santa Barbara, consulting engineer.

BIDS WANTED
MORGAN HILL, Cal.—Until March 1, 8 P. M., bids will be received by the Morgan Hill City Council, for the rebuilding of the water system and replacing of small mains with cast iron pipe, etc., involving:
(1)5600 lin. ft. 8-inch mains:
(A) Cement lined pipe;
(B Unlined pipe;
(2) 11,400 lin. ft. 6-inch mains:
(A)Cement lined pipe;
(B) Unlined pipe;
(3) 13,100 lin. ft. 4-inch mains:
(A) Cement lined pipe;
(B) Unlined pipe;
(4) 12 each 8-in. valves;
(5) 26 each 6-in. valves;
(6) 28 each 4-in. valves;
(7) 44 each hydrants;
(8) 19,000 lbs. cast iron fittings;
(9) 200 each service connections with cocks and goosenecks;
(10) 1000 lin. ft. ¾-in. copper pipe;
(11) Deep well pump with motor and control equipment and water depth indicator, complete installed;
(12) Booster pump with motor and control equipment and water depth indicator, complete installed
(13) Recording watt meter complete;
(14) Water meter in Booster pump discharge, complete installed;
(15) Water level indicator system actuated by float in reservoir, with two indicators, installed complete;
RESERVOIR:
(16) 1040 cu. yds. excavation;
(17) Lump sum reservoir structure complete (Type A construction) including:
2460 cu. ft. poured concrete;
350 cu. ft. gunite covering;
4400 lbs. reinforcing steel;
38 bands (with 5 turn buckles ea)
Roof with door, louvres, sheathing, piping and valves;
(17-A) Reservoir structure, Type A, alternate with walls entirely of gunite, including:
1190 cu. ft. poured concrete;
1304 cu. ft. gunite concrete;
Reinforcing steel, etc., as shown;
(17-B) Lump sum Type B reservoir construction alternate including:
2810 cu. ft. poured concrete;
32 cu. ft. gunite or plaster covering above concrete;
12,000 lbs. reinforcing steel;
Roof with door, louvres, sheathing, piping and valves.

Plans and specifications obtainable from Consulting Engineer C. C. Kennedy, Call Bldg., San Francisco, at a charge of $5, and on file at the office of City Clerk Fred Carlton, Morgan Hill.

PLANNED
SUISUN, Solano Co., Cal. — Plans have been submitted to the Sulsun City Council by Clyde C. Kennedy, Engineer, Call Bldg., San Francisco, for replacement and extensions to distributing system and water softening system in Suisun. Estimated cost, $36,250.

The City Council contemplates application to Federal Public Works Administration for funds toward the cost of the above project.

34—PARKS AND PLAYGROUNDS

CONTRACT AWARDED.
LOS ANGELES, Cal.—Los Angeles Fencing Co., 2617 San Fernando Road, Los Angeles, at $7,618.48 awarded the contract by the U. S. Forest Service, 751 S Figueroa St., Los Angeles, for furnishing fencing under Bid No. D. P. M.-83. 34

BIDS OPENED
SACRAMENTO, Cal. — California Nursery Company, Niles, at $873 submitted low bid to the Custodian, Sacramento Post Office, for landscaping at the U. S. Post Office grounds. Only other bid was submitted by Walter Hoff Co., San Francisco, at $1357. Bids referred to Washington for award.

29—STREETS AND HIGHWAYS

AWARD.
PRESCOTT, Ariz.—Lee Moor Contr. Co., El Paso, Texas, at $20,813.54 awarded contract by Arizona State Highway Commission, Phoenix, for constructing Prescott-Phoenix Highway Project NRM 72-D. The work, which is located within the city limits of Prescott, consists of grading, placing base course and mineral aggregate and other incidental work, and is to be completed on or before April 15.
T. S. O'Connell, state highway engineer.

BIDS WANTED
LYON COUNTY, Nev.—Until Feb. 21, 3 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson, City, for grading and surfacing 12.11 miles of Route 2B, Section A in Lyon County between Yerington and Wabuska. The work involves:
(1) 76,402 cu. yds. select borrow;
(2) 760 cu. yds. struc. excav.;
(3) 5.43 miles shaping roadway;
(4) 12.11 miles subgrade;
(5) 38,200 cu. yds. crushed gravel or stone surf.;
(6) 62 cu. yds. Class A concrete;
(7) 77 cu. yds. Class B concrete;
(8) 8,700 lbs. reinf. steel;
(9) 179 lin. ft. 2x2-ft. laminated culverts;
(10) 1.2 MFBM redwood;
(11) 95 each monuments;
(12) 12.11 miles finish roadway.

Plans and specifications obtainable from the above office upon deposit of $2.50 and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

LOW BIDDER
PRESCOTT, Yavapai Co., Arizona—Lee Moor Contracting Co., El Paso, Texas, at $20,813.54 submitted low bid to the Arizona State Highway Commission, Phoenix, for constructing the Prescott - Phoenix Highway Project N.R.M. 72-D. The work, which is located within the city limits of Prescott, consists of the grading of the roadway, placing base course and mineral aggregate, to oil process by the road mix method, and to construct curbs and gutters and other incidental work, and is to be completed on or before April 15, 1934. T. S. O'Connell, State Highway Engineer.

AWARD
GRAYS HARBOR COUNTY, Wash.—J. B. Covelle, Seattle, at $75,772.00 (Schedule A and B) awarded contract by Washington State Highway Department, Olympia, for paving with Portland cement and concrete and/or retopping the existing pavement with an asphaltic surface on about 1.7 mi. of State Road No. 9 in the City of Aberdeen, U. S. Public Works Projects Nos. NRM 54-B and NRH 54-C, in Grays Harbor County.

Low bidder submitted bid at $75,448 on Schedule A and C.
Other bids were:
Goetz & Brennan, Seattle, $77,020 Schedule A and B); $77,343 (Schedule A and C).
Erickson Paving Co., Seattle, $77,263; $77,586.

AWARD
COWLITZ COUNTY, Cal.—Goetz & Brennan, Seaboard Bldg., Seattle, at $69,904 awarded contract by Washington State Highway Department at Olympia, for paving with Portland cement concrete on about 1.9 miles of State Road No. 12, Longview, U. S. Public Works Projects Nos. NRH 167-G and NRM 167-H, in Cowlitz County.
Other bidders were:
Longview Const. Co., Longview, $70-635.00.
Northwest Roads Co., Portland, $73-862.00. 9

AWARD
LEWIS COUNTY, Wash.—Washington Asphalt Paving Co., 17 W. Lander St., Seattle, Wash., at $34,976 awarded contract by the Washington State Highway Department, Olympia, Wash., for widening with Portland cement concrete and/or retapping existing pavement with an asphaltic surface on about 1.3 mi. of State Road No. 1 Harrison Avenue, Main Street and Tower Avenue, in the City of Centralia, U. S. Public Works Project No. NRM 57-C, in Lewis County. Other bidders were:
Erickson Paving Co., Seattle Sched. A), $36,800.
Northwest Roads Co., Portland, Sched. B), $37,481.
C. E. Henriot, Chehalis, (Sched. A), $37,474.
Street Asphalt Paving Co., Spokane, Sched. B), $37,118.

AWARD
JEFFERSON COUNTY, Wash.—R. O. Dail, Aberdeen, Wash., at $17,619 awarded contract by Washington State Highway Department, Olympia, Wash., for surfacing with about 9490 cubic yards of crushed stone on 3.7 miles of State Road No. 9, Duckabus River-North, in Jefferson County.
Joslin & McAllister, Spokane, Wash., at $18,319 submitted second low bid; third, Allen & Govan, Inc., Olympia, Wash., at $19,318.

BIDS WANTED
KING COUNTY, Wash.—Until Feb. 19, 10 A. M., bids will be received by the Board of County Commissioners, King County, Seattle, Wash., for the construction of Puget Sound Marine View Drive, Division 4, Des Moines North Federal Public Works Project No. 4174; paving with Portland cement concrete, 20 ft. width, involving:
(1) 15,229 cu. yds. excavation;
(2) 119 cu. yds. struc. excav.;
(3) 5861 sq. yds. concrete pavement;
(4) 920 cu. yds. gravel surface;
(5) 1810 lin. ft. concrete gutter;
(6) 2356 lbs. pavement reinf. steel;
(7) Miscellaneous items of work.

Plans and specifications obtainable from above office. George A. Grant, Clerk.

BIDS WANTED
KING COUNTY, Wash.—Until Feb. 19, 10 A. M., bids will be received by the Board of County Commissioners, King County, Washington, for the construction of Issaquah - Compton Road, Federal Public Works Project No. 2970; paving with Portland cement concrete, 20 ft. wide, involving:
(1) Clearing and grubbing;
(2) 3129 cu. yds. excav.;
(3) 55 cu. yds. struc. excav.;
(4) 650 cu. yds. Class D excav.;
(5) 16,504 sq. yds. cem. conc. pave.;
(6) 2237 cu. yds. borrow in place;

7) 21,660 lbs. longitudinal shear bars; 8) 8243 lbs. pavement reinf. steel; 9) Miscellaneous items of work.

Plans and specifications obtainable rom above office. George A. Grant, lerk, Seattle.

IDS WANTED.

KING COUNTY, Wash.—Until Mar. , 10 A. M., bids will be received by he Board of County Commissioners f King County, Seattle, for the contruction of Maple Valley-Black Diamond Road, Federal Public Works roject No. 4146, paving with Portland cement concrete, 20 ft. wide, involving (1) 5,436 cu. yds. excavation, 2) 11,928 sq. yds. cement conc. pave., 3) 2,300 lin. ft. concrete gutter, (4) ,970 lin. ft. guard rail to be reset and ainted, (5) misc. items. Plans and pecifications obtainable at the county engineer's office. Geo. A. Grant, lerk.

:ONTRACT AWARDED

CLARK COUNTY, Nevada—Nevada tock & Sand Co., Inc., Reno, Nevada, t $204,276.28 awarded contract by the tate Department of Highways, Carson City, Nevada, for construction of portion of the State Highway Sysem in Clark County, between Charleson Park Road and Indian Springs, toute 5, Sections F and G, a length of pproximately 26.98 miles.

Olof Nelson, Logan, Utah, at $209,-43.06 submitted second low bid.

AWARD

JEFFERSON COUNTY, Wash.—J. . Forbes, Olympia, at $13,375 (Schedule B) awarded contract by Washington State Highway Department, Olympia, for constructing a bituminous surface by bituminous macadam method n about 2.3 miles of the Port Ludlow toad, Junction State Road No. 9 outheast, U. S. Public Works Proj. N.NRS 206-A in Jefferson County.

Other bidders were:

Diesel Oil Sales Co., Spokane (Sch. A) $16,325 and (Sch. B) $13,577.

Northwest Roads Co., Portland, no bid on Sched. A) $14,191, (Sched. B).

-OW BIDDERS.

PHOENIX, Ariz.—Phoenix - Tempe Stone Co., Box 1645, Phoenix, at $64,-72.06 submitted low bid to the Arizona State Highway Commission Feb. 3 for highway construction on NRM and NRH 33-A, Phoenix - Glendale Highway. The work, which is located on Grand Avenue mostly within the city limits of Phoenix, consists of widening and extending the present paving with asphalt pavement, installing gutters, storm water manholes, drain pipe and other incident work. Arizona Sand & Rock Co. submitted the second low bid at $67,087.12.

T. S. O'Connell, state highway engineer.

AWARD

SAN DIEGO COUNTY, Cal.—V. R. Dennis Constr. Co., 3911 Fifth Avenue, San Diego, at $168,044 awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 7.3 miles between one mile north of San Ysidro and National City in San Diego County.

Complete bids published Feb. 1.

CONTRACT AWARDED.

PHOENIX, Ariz.—Phoenix - Tempe Stone Co., Box 1645, Phoenix, at $64,-872.06 awarded contract by the Arizona State Highway Commission at Phoenix for highway construction in NRM and NRH 33-A, Phoenix-Glendale Highway. The work which is located on Grand Avenue, mostly within the city limits of Phoenix, consists of widening and extending the present paving with asphaltic pavement, installing gutters, storm water manholes, drain pipe and other incidental work and is to be completed on or before May 15.

T. S. O'Connell, state highway engineer.

AWARD

LOS ANGELES, Cal.—Oswald Bros., 366 E. 58th St., Los Angeles, at $63,-923.50 awarded contract by State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 0.8 mi. in Los Angeles, between Alameda Street and the easterly boundary of the City of Los Angeles.

BIDS WANTED

CLARK COUNTY, Nev.—Until Feb. 28, 2 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for road mix asphaltic surfacing 14.87 miles of Route 5, Sections D4 and E, between Las Vegas and Charleston Park road, in Clark County, involving:

(1) 349,169 gals. asph. road material, Type SC-2 ;
(2) 25,459 gals. do, Type MC-2;
(3) 1.01 miles road mix (40-ft. width);
(4) 13.86 miles road mix (20-ft. width)
(5) 13.86 miles do;
(6) 14.87 miles finish roadway.

Plans and specifications obtainable from above office and also on file at the Bureau of Public Roads, 461 Market St., San Francisco on $5.00 deposit, of which $2.50 is returnable.

BIDS WANTED.

FRESNO, Fresno Co., Calif.—Until February 23, 10 A. M., as previously reported, bids will be received by Harry Foster, city clerk, Fresno, for paving in connection with the Broadway widening poject. The work involves the paving of Divisadero St. bet. Broadway and Van Ness Ave.; of South G St.; and of Cherry Ave. bet. Fulton St. and Van Ness Ave. Estimated cost, $38,000. The quantities involved are:

(1) 18,367 sq. yds. grading;
(2) 4,168 sq. yds. asph. paint binder;
(3) 15,240 sq. ft. remove and dispose of existing sidewalks and driveways;
(4) 2,550 sq. ft. do, pavement and gutters;
(5) 2,785 lin. ft. do existing curbs;
(6) remove and dispose of existing drainage structures;
(7) 4,618 tons asphalt concrete;
(8) 10,602 sq. ft. concrete sidewalks;
(9) 5,353 sq. ft. concrete gutter;
(10) 1,230 sq. ft. concrete driveways;
(11) 2,614 lin. ft. concrete curb;
(12) 551 lin. ft. do with steel curb guards;
(13) 709 lin. ft. 24-in. CM conc. culvert;
(14) 242 lin. ft. 15-in. CMP;
(15) 86 lin. ft. 12-in. CMP;
(16) 11 culvert handholes;
(17) 8 concrete sidewalk inlets;
(18) 26 electroliers to be moved and reset.

BIDS WANTED.

LANDER & Eureka Counties, Nev. —Until Feb. 28, 2 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for road mix asphaltic surfacing 33.45 miles of Route 2, Sections F1, F2-A1, between 12 miles east of Austin and 14 miles west of Hay Ranch, in Lander and Eureka Counties, involving:

(1) 735,819 gals. asph. road material, Type SC-2;
(23 53,960 gals. do, Type MC-2;
(3) 33.45 miles road mix;
(4) 33.45 miles finish roadway.

Plans and specifications obtainable from above office upon deposit of $5 for each set; $2:50 returnable if plans are returned within 30 days after the opening date. Plans and specifications also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

CONTRACT AWARDED

CHELAN COUNTY, Wash.—Fred G. Redmon, Yakima, Wash., at $87,-573 awarded contract by the Bureau of Public Roads, Portland, for surfacing and applying oil rock and constructural guardrail on Sunset Highway Proj. NR9-A6, National Forest Road Project, Wenatchee National Forest, Chelan County.

BIDS WANTED.

EUREKA and White Pine Counties, Nev.—Until February 28, 2 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for road mix asphaltic surfacing 16.80 miles of Route 2, Sections C1 and B, between Eureka and the east county line and between Antelope Summit and Illipah, in Eureka and White Pine Counties, involving:

(1) 223,358 gals. asph. road material type SC-2 (Proj. 78A);
(2) 16,380 gals. do, type MC-2 (Proj. 78A);
(3) 146,291 gals. do, type SC-2 (Proj. 44);
(4) 10,728 gals. do type MC-2 (Proj. 44);
(5) 16.80 miles road mix;
(6) 16.80 miles finish roadway.

Plans and specifications obtainable from above office and also on file at the Bureau of Public Roads, 461 Market St., San Francisco on $5.00 deposit, of which $2.50 is returnable.

BIDS WANTED.

WASHINGTON STATE.—Until Feb. 27, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for highway construction as follows:

Pierce County

Paving with Portland cement concrete and/or retopping the existing pavement with an asphaltic surface on about 0.6 miles of State Road No. 1, Puyallup Ave. from East G St. to Bay St. in Tacoma, U. S. Public Works Project No. NRM 150-C, involving:

(1) 531 sq. yds. and 1191 cu. yds. of Portland cem. conc. pave.;
(2) 507 tons and 18,836 sq. yds. of asphaltic surface course;
(3) misc. items of work.

Pierce County

Clearing, grading and draining about 1.2 miles of State Road No. 1, Lakeview to Union Ave., Federal Public Works Project, involving:

Stevens County

Grading and surfacing with crushed stone about 1.4 miles of State Road No. 3, Colville north, U. S. Public Works Projects Nos. NRM 154-D and NRH 154-E, involving:

(1) 20,470 cu. yds. excavation;
(2) 5,650 cu. yds. gravel borrow;
(3) 3,900 cu. yds. crushed stone surf.;
(4) 450 lin. ft. pipe culverts;
(5) misc. items of work.

Grant County

Ballast and surface with crushed stone about 14.0 miles of the Grand Coulee Highway, Junction State Rd. No. 2 (near Coulee city) to a point 14 miles north, Federal Public Works Project, involving:

(1) 82,600 cu. yds. of ballast;
(2) 43,960 cu. yds. crushed stone surf. material;
(3) misc. items of work.

Plans and specifications obtainable from above office upon deposit of $2.00 for each set.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN FRANCISCO — CEMETERY SPRINKLING SYSTEM — (GOVT.)

SAN FRANCISCO. — Following bids received by Constructing Quartermaster, Port Mason, for the installation of a sprinkler system at San Francisco National Cemetery, Presidio of San Francisco:

ITEM I—Work Complete.

(A) Brooks of California, Inc., 142 S La Brea Ave., Los Angeles, $10,490.00.
(B) Herman Lawson Co., San Francisco, $11,097.00.
(C) Scott Co., San Francisco, $11,369.
(D) Skelly & Kohler, San Francisco, $11,452.00.
(E) Fay Imp. Co., San Francisco, $11-576.19.
(F) P. L. Burr, San Francisco, $12,-525.00.
(G) James Currie, Burlingame, $12,-801.00.
(H) Theo. Cohn, San Francisco, $12,-938.00.
(I) James H. Pinkerton, San Francisco, $12,990.00.
(J) Eaton & Smith, San Francisco, $14,507.00.
(K) Michael Desiano, San Francisco, $14,626.00.
(L) F. W. Snook, S. F., $16,030.00.

ITEM II—If the Sprinkling System is omitted from Unit No. 2, Deduct Amount Stated from Iitem I.

(A) Brooks of California, Inc., 142 S La Brea Ave., Los Angeles, $1,210.
(B) Herman Lawson Co., San Francisco, $1,152.00.
(C) Scott Co., San Francisco, $1,375.
(D) Skelly & Kohler, San Francisco, $1,206.00.
(E) Fay Imp. Co., San Francisco, $1,-062.64.
(F) P. L. Burr, San Francisco, $1,255.
(G) James Currie, Burlingame, $1,-424.00.
(H) Theo. Cohn, S. F., $1,361.00.
(I) James H. Pinkerton, San Francisco, $1,733.00.
(J) Eaton & Smith, San Francisco, $1,400.00.
(K) Michael Desiano, San Francisco, $2,166.00.
(L) F. W. Snook, S. F., $1,788.00.

ITEM III—Unit Items and Prices.

(1) 3-in. galv. steel pipe, per lin. ft.;
(2) 2½-in. galv. steel pipe, per lin. ft.
(3) 2-in. galv. do;
(4) 1½-in. galv. do;
(5) 1¼-in. galv. do;
(6) 1-in. galv. do;
(7) ¾-in. galv. do;
(8) ½-in. galv. do;
(9) 4-in. gate valves, each;
(10) 2½-in. do;
(11) 2-in. do;
(12) 1½-in. do;
(13) ¾-in. do;
(14) sprinkler heads (no pipe included) each.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)	$ .475	$ .55	$ .50	$ .51	$ .55	$ .67	$ .58	$ .40	$ .59	$ .74	$ .53	$ .55
(2)	.375	.50	.40	.4941	.43	.56	.4535	.30	.47	.57	.43	.45
(3)	.25	.35	.29	.2705	.28	.46	.35	.20	.33	.36	.32	.35
(4)	.175	.30	.24	22.39	.22	.38	.265	.15	.27	.27	.27	.30
(5)	.155	.25	.21	.2021	.20	.35	.23	.12	.23	.225	.23	.28
(6)	.12	.22	.18	.1494	.16	.28	.18	.10	.19	.17	.17	.25
(7)	.095	.20	.16	.1171	.13	.25	.13	.07	.15	.12	.13	.23
(8)	.0825	.18	.14	.0976	.10	.22	.11	.06	.14	.10	.11	.22
(9)	13.16	14.00	15.25	15.60	17.94	25.00	15.25	14.25	15.25	16.00	19.00	17.00
(10)	9.40	11.00	13.40	11.70	13.41	16.00	12.00	10.99	9.70	14.00	13.00	12.00
(11)	5.75	7.00	8.75	6.67	7.58	10.00	7.00	6.12	4.50	8.50	7.20	7.00
(12)	4.00	5.00	6.00	4.18	4.77	6.00	4.50	3.79	3.50	6.00	5.10	5.00
(13)	1.75	3.50	3.60	2.00	2.28	3.50	2.50	1.79	1.50	3.00	2.05	3.00
(14)	.25	.75	.59	.525	.66	.50	.55	.50	.26	.60	.30	.40

LAGUNA BEACH — Sewage Treatment Plant — (City)

LAGUNA BEACH, Cal.—J. C. Hickey, 320 South Palm Ave., Alhambra, at $161,806 submitted low bid to the Laguna Beach City Council, February 9, as previously reported, for construction of activated sludge treatment plant and lateral sewer system, to be built under Federal Public Works loan and $180,000 bond issue, the latter voted to refinance the repayment of the government loan. The work involves:

(1) Treatment plant, complete;
(2)8621 ft. 8-in. vit. sewer, 11-ft. 6-in. average cut;
(3) 1860 ft. 10-in. do, 14-ft. 7-in. do;
(4) 2170 ft. 12-in. do., 19-ft. 2-in. do;
(5) 3959 ft. 15in. do, 13-ft. 8-in. do;
(6) 1711 ft. 18-in. do, 15-ft. 3-in. do;
(7)490 ft. 4-in. cast iron sewer, 61-ft. 2-in., average cut;
(8) 3865 ft. 6-in. cast iron sewer, 6-ft. 2-in. average cut;
(9) 635 ft. 8-in. do, 7-ft. 1-in. do;
(10) 1475 ft. 10-in. do, 5-ft. 4-in. do;
(11) 3888 ft. 12in. do, 6-ft. 8-in. do;
(12) 50 ft. 16-in. do, 5-ft. 0-in. do;
(13) 80 manholes, average cut 15-ft.;
(14 7 pumping stations, complete;
(15) 2 siphon manholes.

Total bids follow:

(A) J. C. Hickey, Alhambra, $161,806.
(B) Shannahan Bros., Los Angeles, $169,930.82.
(C) Drainage Constr. Co., Lynwood, $178,680.40.
(D) R. E. Campbell, Los Angeles, $182,743.72.
(E) W. J. Tobin, Oakland, $183,712.05
(F) Marko Matick, Los Angeles, $280,-601.45.

Unit bids (total for each item) follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$72,000.00	$83,948.00	$71,500.00	$83,127.00	$79,900.00	$78,900.00
(2)	20,259.35	15,517.80	15,517.80	13,793.65	21,552.50	30,173.50
(3)	2,883.00	3,720.00	3,720.00	3,366.60	4,947.60	8,370.00
(4)	4,947.60	4,991.00	6,500.10	6,184.50	6,835.50	10,850.00
(5)	11,758.23	9,897.50	17,815.50	16,152.72	14,767.07	19,795.00
(6)	6,262.26	6,844.00	9,410.50	7,528.40	7,237.53	10,266.00
(7)	592.90	490.00	686.00	539.00	852.60	1,176.00
(8)	5,565.60	4,638.00	6,570.50	6,570.50	7,459.45	10,049.00
(9)	1,092.20	1,016.00	1,333.50	1,397.00	1,416.05	1,866.90
(10)	3,097.50	2,802.50	3,687.50	3,658.00	3,967.75	4,823.25
(11)	12,519.36	11,664.00	11,664.00	10,886.40	11,664.00	13,996.80
(12)	208.00	250.00	225.00	190.00	212.00	235.00
(13)	5,680.00	8,000.00	12,800.00	12,400.00	8,000.00	12,000.00
(14)	14,000.00	15,000.02	15,750.00	15,550.00	14,000.00	17,500.00
(15)	940.00	1,152.00	1,500.00	1,400.00	900.00	600.00

The engineer, F. S. Currie, recommended that the contract be awarded to J. C. Hickey. The recommendation was forwarded to F. E. Trask, State Engineer PWA, Los Angeles, for confirmation and approval. Currie Engineering Co., 219 Andreson Block, San Bernardino, prepared the plans.

COMPLETE BID LISTING.

ONTARIO, Ore.—As previously re ported, Morrison-Kundsen Co., Boise, Idaho, submitted low bids January 1 to the Bureau of Reclamation, Ontario, on Schedule 1 at $112,862.50; o Schedule 2 at $116,325, and Schedul 3 at $49,656, for the construction o the Owyhee river and Snivley siphon and concrete bench flume, North Ca nal, Mitchell Butte Division, Owyhe Project, Oregon-Idaho; Spec. No. 55

Complete bids follow:

(A) Morrison-Kundsen Co., Boise, Ida (Schedule 1) $112,862.50; (Schedule 2 $116,325; (Sched. 3) $49,656; (Schec 1 and 3) $162,518.50; (Sched. 2 an 3) $165,981; no stipulations;
(B) C. F. Dinsmore & Co. and Olso Mfg. Co., Boise, Ida., (1) $137,720 (2) $124,673; (3) $51,796; (1 & 3 $189,516; (2 & 3) $176,469; reserv right to decline No. 3 without or 2.
(C) Utah Const. Co., Ogden, (1) $130, 135; (2) $128,119 (3) $64,845; (1 & 3) $194,980; (2 & 3) $192,964; 1 an 3 or 2 and 3.
(D) General Const. Co., Seattle, (1 $173,300; (2) $155,230; (3) $64,450.0 (1 & 3) $237,750.50; (2 & 3) $219, 680.50; 1 or 2 and 3; or 1 or but not 3 alone.

Unit prices follow:

SCHEDULE 1

Owyhee River Siphon, undergroun crossing plan, North Canal, Sta. 24 plus 20.10 to Sta. 259 plus 82.96.

(1) 150 cu. yds. ecav. for structures Class 1;
(2) 250 cu. yds. do. Class 2;
(3) 3,150 cu. yds. do, Class 3;
(4) 1,000 cu. yds. excav. for trenc for plate steel pipe, Class 1;

5) 1,200 cu. yds. do, Class 2;
6) 800 cu. yds. do, Class 3;
7) lump sum, care of river and R.R. crossing during construction and excavation and backfill of trench for plate steel pipe;
8) 700 cu. yds. backfill about struc.;
9) 100 cu. yds. puddling or tamping backfill about struc.;
0) 50 lin. ft. drilling holes for anchor bars and grouting bars in place;
1) 490 cu. yds. concrete in siphon inlet and outlet;
2) 165 cu. yds. concrete in pipe piers
3) 60 cu. yds. concrete in pipe anchors;
4) 1,470 cu. yds. concrete in plate steel pipe encasement;
5) 130 cu. yds. concrete in drainage shaft and pump house;
6) 253,000 lbs. placing reinf. bars;
7) 200 sq. yds. dry rock paving;
8) 600 cu. yds. riprap;
9) 1,265,000 lbs. erecting plate steel pipe and accessories;
0) 13,000 pounds install misc. metal work;
1) lump sum install doors, windows and hatchway cover;

	(A)	(B)	(C)	(D)
1)	$ 1.00	$ 2.50	$ .75	$ .60
2)	1.25	2.50	1.25	.80
3)	1.50	2.50	3.50	2.50
4)	.45	2.00	.75	.70
5)	.60	2.00	1.25	.90
6)	1.75	2.00	3.50	2.75
7)	27,500.00	41,210.00	33,000.00	66,400.00
8)	.40	1.00	.50	1.00
9)	.60	1.00	.60	1.25
0)	1.00	1.00	1.00	1.50
1)	20.00	22.00	20.00	24.00
2)	16.00	20.00	15.00	20.00
3)	15.00	20.00	15.00	17.50
4)	10.00	20.00	12.00	14.00
5)	20.00	22.00	25.00	26.00
6)	.02	.015	.02	.02
7)	1.50	2.00	2.00	2.00
8)	2.00	4.00	2.00	3.00
9)	.031	.02	.03	.035
0)	.05	.10	.10	.15
1)	150.00	50.00	200.00	300.00

SCHEDULE 2

Owyhee river siphon, bridge cross-g plan, North Canal, Sta. 242 plus 10 to Sta. 259 plus 82.96.

2) 300 cu. yds. excav. for struc., Class 1;
3) 400 cu. yds. do, Class 2;
4) 3,200 cu. yds. do, Class 3;
5) 1,200 cu. yds. excavtion of pipe trench, Class 1;
6) 1,200 cu. yds. do, Class 2;
7) 900 cu. yds. do, Class 3;
8) lump sum excav. to depths shown on drawings, and backfill for bridge piers Nos. 1 to 4, inc.;
9) 4 lin. ft. excav. for bridge piers Nos. 1 and 4, additional excav. to depth not to exceed 4 ft. for either pier;
0) 4 lin. ft. excav. for bridge piers Nos. 2 and 3, do;
1) 3,600 cu. yds. excav., Class 1 from borrow pits placed in R.R. embankment;
2) 850 cu. yds. backfill about struc.;
3) 100 cu. yds. puddling or tamping backfill about struc.;
4) 490 cu. yds. concrete in siphon inlet and outlet;
5) 185 cu. yds. concrete in pipe piers
6) 120 cu. yds. concrete in pipe anchors;
7) 210 cu. yds. concrete in bridge piers Nos. 1 and 4;
8) 860 cu. yds. concrete in bridge piers Nos. 2 and 3 below elev. 2230.48;
9) 280 cu. yds. do above elev. 2230.48
0) 145 cu. yds. concrete in approach piers, pedestals and abutments;
1) 117,000 lbs. placing reinf. bars;
2) 200 sq. yds. dry rock paving;
3) 700 cu. yds. riprap;
4) 2,800 lbs. install pier nose angles and abutment expansion joint angles;
(45) 864,000 lbs. erecting struc. steel in bridge and approaches;
(46) 90 MFBM erecting timber do;
(47) 1,120,000 lbs. erecting plate steel pipe and accessories;
(48) 320 cu. yds. ballasting railroad;
(49) 700 lin. ft. laying ties and track;

	(A)	(B)	(C)	(D)
(22)	$ 1.00	$ 2.50	$ .75	$ .60
(23)	1.25	2.50	1.25	.80
(24)	1.50	2.50	3.50	2.50
(25)	.45	2.00	.75	.70
(26)	.60	2.00	1.25	.90
(27)	1.75	2.00	4.00	2.75
(28)	15,000.00	12,456.00	20,178.00	20,600.00
(29)	125.00	19.50	320.00	150.00
(30)	200.00	43.50	420.00	200.00
(31)	.30	.50	.25	1.00
(32)	.40	1.00	.60	1.00
(33)	.60	1.00	.75	1.25
(34)	20.00	22.00	20.00	24.00
(35)	16.00	20.00	15.00	20.00
(36)	14.00	20.00	15.00	17.50
(37)	14.00	20.00	8.00	17.00
(38)	10.00	20.00	7.00	15.00
(39)	14.00	20.00	8.00	20.00
(40)	16.00	20.00	10.00	22.00
(41)	.02	.015	.02	.02
(42)	1.50	2.00	2.00	2.00
(43)	2.00	4.00	2.00	3.00
(44)	.05	.05	.02	.05
(45)	.02	.0175	.02	.025
(46)	24.00	15.00	20.00	30.00
(47)	.03	.02	.032	.0375
(48)	1.00	2.25	1.50	3.00
(49)	.50	2.00	.30	1.00

SCHEDULE 3

Snivley Siphon, North Canal, Sta. 156 plus 02.30 to Sta. 166 plus 37.80, and concrete bench flume, Sta. 153 plus 91.64 to Sta. 156 plus 02.30, and Sta. 166 plus 37.80 to Sta. 168 plus 70.

(50) 1,330 cu. yds. excav. for struc., Class 1;
(51) 1,200 cu. yds do, Class 2;
(52) 1,130 cu. yds. do, Class 3;
(53) 250 cu. yds. excav. of pipe trench Class 1;
(54) 200 cu. yds. excav. do, Class 2;
(55) 550 cu. yds. excav. do, Class 3;
(56) 1,600 cu. yds. backfill about struc.
(57) 200 cu. yds. puddling or tamping brackfill about struc.;
(58) 500 cu. yds. concrete in bench flume and transitions;
(59) 400 cu. yds. concrete in siphon inlet and outlet;
(60) 245 cu. yds. concrete in pipe piers
(61) 274 cu. yds. concrete in pipe anchors;
(62) 159,000 lbs. place reinf. bars;
(63) 200 sq. yds. dry-rock paving;
(64) 621,000 lbs. erecting plate steel pipe and accessories.

R. J. Newell, construction engineer.

	(A)	(B)	(C)	(D)
(50)	$ .50	$ 2.50	$ 1.00	$ .60
(51)	.75	2.50	1.75	.80
(52)	1.25	2.50	4.00	2.50
(53)	.50	2.00	1.00	.70
(54)	.75	2.00	1.75	.90
(55)	1.25	2.00	4.00	2.75
(56)	.60	1.00	.60	1.00
(57)	.60	1.00	1.00	1.25
(58)	14.00	20.00	22.00	15.00
(59)	20.00	22.00	22.00	25.00
(60)	15.00	20.00	15.00	21.00
(61)	14.00	20.00	15.00	18.50
(62)	.02	.015	.02	.02
(63)	1.50	2.00	2.00	2.00
(64)	.03	.011	.035	.04

COMPLETE BIDS.

SONOMA and Mendocino Counties, Cal.—Following are the complete bids and the contracts awarded by the Directors of Joint Highway District No. 19 for the construction of the Monte Rio Bridge across the Russian river:

Contract No. 1 awarded to J. P. Brennan, Redding at $49,746.80.

Total bids follow:

(A) J. P. Brennan, Redding, $49,746.80
(B) Rocca and Calletti, San Rafael, ...$66,327.50.
(C) M. B. McGowan, San Francisco, $66,533.00.
(D) Engineer's estimate, $50,602.80.

Unit quantities were:

(1) clear and grub;
(2) 16,000 cu. yds. rdwy. excav.;
(3) 8,000 sta. yds. overhaul;
(4) 88 lin. ft. 18-in. CMP;
(5) 90 lin. ft. fence;
(6) 2,040 cu. yds. struc. excav.;
(7) 100 cu. yds. Class A concrete in footings;
(8) 2,090 cu. yds. do in structure;
(9) 65 cu. yds. Class E do in railings;
(10) 7,800 lin. ft. redwood timber pile;
(11) 500 lin. ft. guard rail;
(12) 1 existing bridge removed;
(13) remodel and repair or replace Dutch Bill creek existing bridge requiring 24 MFBM Douglas fir or Redwood timber for repair of 43 MFBM fir or redwood timber and additional piling if used.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 250.00	$ 300.00	$ 248.00
(2)	.25	.40	.32
(3)	.01	.02	.01
(4)	2.00	3.00	2.00
(5)	.20	.15	1.00
(6)	1.60	3.50	3.50
(7)	10.00	12.50	10.00
(8)	14.47	18.50	17.50
(9)	37.50	35.00	30.00
(10)	.60	.60	.85
(11)	.75	1.00	1.00
(12)	2,000.00	3,000.00	6,424.00
(13)	51.00	70.00	25.00

Contract No. 11 awarded to Judson-Pacific Co., 609 Mission St., San Francisco, at $38,201.12.

Total bids follow:

(A) Judson-Pacific Co., San Francisco $38,201.12.
(B) Rocca & Caletti, San Francisco, $40,369.76.
(C) Moore Dry Dock Co., Oakland, $40,737.54.
(D) Golden Gate Iron Works, San Francisco, $40,963.28.
(E) Minneapolis-Moline Power Implement Co., Minneapolis, $41,534.20.
(F) Herrick Iron Works, Oakland, $44-018.42.
(G) Engineer's estimate, $38,837.00.

Unit quantities and bids follow:

(1) 17,248 pounds cast steel, including phosphor bronze plates;
(2) 766,000 lbs. struc. steel in place;

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$.1275	$.12	$.128	$.11	$.146	$.165
(2)	.047	.05	.0503	.051	.051	.0538

Contract No. 3 awarded to J. P. Brennan, Redding at, $7860 (second low bidder).

Total bids follow:

(A) Tonn Bros., Lodi, $7,565.25.
(B) J. P. Brennan, Redding, $7,860.00.
(C) Rocca & Calletti, San Rafael, $8-056.50.
(D) Truscon Steel Co., Los Angeles, $8,095.00.
(E) Soule Steel Co., San Francisco, $8,095.00.
(F) Pacific Coast Steel Corp., San Francisco, $8,095.00.
(G) Engineer's estimate, $7,370.00.

Unit quantities and bids follow:

(1) 196,500 lbs. reinf. steel, furnishing cut and in place.

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$.0385	$.04	$.041	$.0412	$.0412	$.0412

J. B. Piatt, Dougherty-Shea Bldg., Santa Rosa, district engineer. Nevis & Harp, 891 Harrison St., Santa Clara at $107,712 submitted low bid on the general contract for the work when bids were previously opened December 8, 1933. All bids received at that time were rejected as they exceeded the appropriation.

COMPLETE BID LISTING

PORTLAND, Oregon—Meyers Contract Company and Birkemeier & Saremal, 519 Government Bldg., Portland, at $83,320 submitted low bid to U. S. Engineer, Customhouse, Portland, for drilling and blasting, and excavating and removing materials from the upper Cascade Rapids, near Cascade Locks, Oregon.

Complete bids follow:

(A) Meyers Contract Co. and Birkemeier & Saremal, Portland, $83,-320.
(B) Guy F. Atkinson Co., 658 Russ Bldg., San Francisco, $87,270.
(C) C. T. Malcom, 1120 Bd. of Trade Bldg., Portland, $91,470.
(D) General Constr. Co., 3840 Iowa St., Seattle, $98,462.
(E) P. L. Crooks & Co., Inc., 616 Henry Bldg., Portland, $107,980.
(F) Parker-Schram Co., 513 Couch Bldg., Portland, $118,762.
(G) Guthrie McDougall Co., 552 Sherlock Bldg., Portland, $119,960.
(H) Morrison-Knudsen Co., Boise, Idaho, $126,700.

ITEM NO. 1, 88,600 cu. yds. drilling and blasting, areas 1 to 14, both inclusive.

ITEM NO. 2, 10,000 cu. yds. drilling and blasting Area 15.

ITEM NO. 3, 23,000 cu. yds. excavating Areas 1 to 5, both inclusive.

ITEM N. 4, 60,000 lbs. additional 4% dynamite.

	(1)	(2)	(3)	(4)
(A)	$ .50	$ .50	$ .74	$ .16
(B)	.45	.60	1.00	.14
(C)	.65	.61	.66	.10
(D)	.67	.70	.70	.15
(E)	.80	.80	.70	.10
(F)	.92	.80	.65	.13
(G)	.85	1.00	.65	.22
(H)	1.00	1.05	.60	.13

Major C. F. Williams, District Engineer, Contracting Officer's estimate of the cost of doing the work with Government plant and hired labor, $102,460.

COMPLETING BIDS LISTING

PRESCOTT, Yavapai Co., Arizona—Lee Moor Constr. Co., El Paso Texas, at $20813.54 submitted low bid to the Arizona State Highway Commission, Phoenix, for constructing the Prescott-Phoenix Highway Project N.R.M. 72-D. The work, which is located within the city limits of Prescott, consists of the grading of the roadway, placing base course and mineral aggregate, to oil process by the road mix method, and to construct curbs, and gutters and other incidental work, and is to be completed on or before April 15, 1924, involving:

(1)4348 cu. yds. rdwy. excav. unclass.
(2) 3762 cu. yds. aggregate base course (CIP);
(3) 137 sq. yds. conc. pave. (CIP);
(4) 1118 cu. yds. mineral aggreg. (CIP);
(5) 32,710 gal. road oil (CIP) for A. E. C. binder and road mix;
(6)0.379 mi. processing road mix;
(7) 21 tons emuls. asph. (CIP) (seal coat only);
(8) 73 cu. yds. screenings (CIP);
(9) 16 lin. ft. single curb (CIP);
(10) 1630 lin. ft. 6-in. combined curb and gutter (CIP);
(11) 1322 lin. ft. 8-in. combined curb and gutter (CIP);
(12) 677 lin. ft. 72-in. valley gutter (CIP);
(13) 20 M. gals. sprinkling (CIP);
(14) 10,064 sp. yds. manipulating and finishing A.B.C. top;
(15) 3 each culvert entrance Type A (CIP);
(16) 1 each culvert entrance , Type B (CIP);
(17) 965 sq. ft. 4-in. conc. sidewalk (CIP) including excav.;
(18) 160 sq. ft 6-in. conc. sidewalk do;
(19) 2236 sq. yds. manipulating and finish A.B.C. top;
(20) 1310 cu. yds. rdwy. excav. (unclass.);
(21) 10 M. gals. sprinkling (CIP);
(22) 839 cu. yds. aggreg. base course (CIP);
(23) 248 cu. yds. mineral aggreg. (CIP);
(24) 7265 gals. road oil (CIP);
(25) 5 tons emuls. asph. (CIP); seal coat;
(26) 0.096 mi. process. road mix;

SISKIYOU, SHASTA COS.—18.3 Mi. Subgrade Reinf. Govt.

SISKIYOU & Shasta Counties, Cal.—Hanrahan Co., Hobart Building, San Francisco, at $93,961.78 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing crushed gravel subgrade reinforcement on Section D and portion of Section E of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Shasta National Forset, Siskiyou and Shasta Counties. The work involves:

(1) 20,000 cu. yds. unclass. excav.;
(2) 18.311 miles fine grading subgrade and shoulders;
(3) 51,000 tons subgrade reinf.;
(4) 2,000 tons supplemental do;
(5) 3,600 M. gals. watering;
(6) 25,000 cu. yds. stockpile subgrade;
(7) 4,750 cu. yds. mi. haul unclass. excavation;
(8) 110,000 gals. liquid asph. road mtl.

The total bids follow:

(A) Hanrahan Co., San Francisco $93-961.78.
(B) A. Teichert & Son, Inc., Sacramento, $96,388.30.
(C) Granite Const. Co., Watsonville, $99,397.75.
(D) Hemstreet and Bell, Marysville, $112,690.80.
(E) Isbell Const. Co., Carson City, Nev., $121,158.85.
(F) Homer G. Johnson, Portland, Ore. $122,465.25.
(G) Morrison - Knudsen Co., Boise, $126,955.00.
(H) A. Milne, Portland, $140,593.30.
(I) Chas. L. Harney, San Francisco, *$145,512.90.
(J) Engineer's estimate, $111,890.25.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .30	$ .45	$ .35	$ .50	$ .40	$ .40	$ .50	$ .50	$ .50	$ .30
(2)	480.00	300.00	250.00	300.00	350.00	250.00	300.00	300.00	400.00	250.00
(3)	1.23	1.24	1.32	1.47	1.60	1.65	1.20	1.95	1.96	1.55
(4)	1.23	1.10	1.15	1.47	1.60	1.60	1.50	1.85	1.85	1.45
(5)	.20	1.50	1.25	1.50	1.50	2.25	1.75	2.00	2.00	2.00
(6)	.15	.10	.18	.20	.25	.20	.20	.20	.25	.15
(7)	.15	.18	.20	.25	.20	.25	.35	.20	.25	.15
(8)	.08	.07	.075	.07	.085	.075	.08	.08	.09	.07

*½% discount if awarded Sec. F of Rt. 77 also. All bids under advisement.

SHASTA COUNTY — GRADING 13.1 MI. — (GOVT.)

SHASTA COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $134,538.10 submitted the low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section F of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Lassen National Forest, Shasta Co., involving:

(1) 61,500 cu. yds. unclass. excav.;
(2) 1,575 cu. yds. do for struc.;
(3) 124,000 cu. yds. do for borrow;
(4) 51.000 cu. yds. mi. borrow haul;
(5) 13.158 mi. finish earth graded rd.;
(6) 41,000 cu. yds. mi. borrow haul;
(7) 5 MFBM untreated timber in place;
(8) 272 cu. yds. Class A concrete;
(9) 208 cu. yds. Class B concrete;
(10) 231 cu. yds. Class D concrete;
(11) 74,000 lbs. reinf. steel;
(12) 400 lbs. bronze bearing plates;
(13) 2,830 lin. ft. 18-in. asph. dipped CMP;
(14) 490 lin. ft. 24-in. do;
(15) 140 lin. ft. 30-in. do;
(16) 226 lin. ft. 36-in. do;
(17) 800 lin. ft. 45-in. metal flume;
(18) 50 cu. yds. hand laid riprap;
(19) 48 each R/W monuments;
(20) 18,700 lin. ft. remove and reset fence;
(21) 208 lin. ft. remove and stockpile culverts;
(22) extra work: move and repair telephone line;
(23) extra work: maintain existing rd.
(24) extra work: additional clearing.

The total bids follow:

(A) A. Teichert & Son, Inc., Sacramento, $134,538.10.
(B) Clarence Young, Oakland, $143,-482.10.
(C) Isbell Const. Co., Carson City, Nevada, $147,459.29.
(D) Chas. L. Harney, San Francisco, *$147,577.40.
(E) Hemstreet and Bell, Marysville. $150,238.50.
(F) Gist & Bell, Arcadia, $157,658.90.
(G) Morrison - Knudsen Co., Boise, $192,324.40.
(H) Engineer's estimate, $124,291.60.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .85	$ .90	$ .90	$ .78	$ .90	$ .80	$ 1.40	$ .65
(2)	1.50	1.50	2.25	1.40	2.50	2.00	2.00	1.50
(3)	.28	.27	.30	.38	.32	.40	.35	.30
(4)	.02	.03	.02	.02	.02	.02	.03	.01
(5)	200.00	200.00	250.00	300.00	250.00	300.00	300.00	250.00
(6)	.14	.15	.20	.25	.25	.25	.35	.12
(7)	90.00	75.00	70.00	100.00	110.00	100.00	80.00	80.00
(8)	24.00	27.00	27.00	25.00	26.50	26.00	27.00	27.00
(9)	20.00	25.00	27.00	24.00	25.50	25.00	27.00	25.00
(10)	30.00	27.00	30.00	28.00	28.50	30.00	28.00	29.00
(11)	.06	.06	.06	.05	.06	.06	.07	.06
(12)	.35	.30	.40	.35	.50	.50	.20	.15
(13)	1.70	2.00	2.00	1.75	1.60	2.25	2.00	1.65
(14)	2.50	3.00	2.80	2.75	2.50	3.00	3.25	2.50
(15)	3.00	4.50	3.30	3.50	3.35	4.00	4.00	3.05
(16)	4.50	5.00	5.00	5.00	5.00	5.00	6.50	4.85
(17)	2.50	7.00	2.40	2.00	2.50	3.50	2.60	1.75
(18)	3.00	3.00	4.00	3.50	4.00	4.00	3.00	4.00
(19)	3.00	3.00	3.50	3.00	3.00	3.00	3.00	3.00
(20)	.10	.10	.08	.06	.06	.10	.08	.06
(21)	.50	1.00	1.00	.50	1.00	1.00	1.00	1.00
(22)	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00
(23)	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00
(24)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

*1% discount if awarded Sec. D and portion of Section of E of Route 77 also. All bids held under advisement.

(27) 16 cu. yds. screenings (CIP);
(28) 933 lin. ft. 8-in. combined curb and gutter (CIP);
(29) 43 lin. ft. 72-in. valley gutter (CIP);

Complete bids follow:

(A) Lee Moor Contracting Co., El Paso Texas, $20,813.54.
(B) Pearson & Dickerson, Inc., Phoenix, Arizona, $23,907.95.
(C) N. G. Hill & Co., Phoenix, $24,-046.62.
(D) Arizona Sand & Rock Co., Phoenix, $24,124.15.

Unit prices follow:

	(A)	(B)	(C)	
50 FOOT SECTION—STATION 0+00 TO STATION 21+04				
(1)..	$ .56	$ .50	$ .60	$ .79
(2)..	.78	1.12	1.32	1.00
(3)..	2.57	2.85	2.50	2.64
(4)..	.84	1.05	1.32	1.05
(5)..	.08	.0725	.075	.07
(6)..	1800.00	2130.00	1800.00	1650.00
(7)..	30.10	34.00	30.00	31.00
(8)..	4.80	5.00	4.00	2.50
(9)..	.40	.70	1.00	.75
(10)..	1.25	1.42	1.25	1.50
(11)..	1.45	1.63	1.50	1.53
(12)..	1.70	1.87	1.50	1.75
(13)..	2.40	4.25	3.00	2.00
(14)..	.025	.07	.05	.07
(15)..	9.60	35.50	30.00	50.00
(16)..	16.80	35.50	50.00	36.00
(17)..	.20	.24	.20	.20
(18)..	.32	.34	.30	.26
40 FOOT SECTION—STATION 21+04 TO STATION 26+12.8				
(19)..	.025	.07	.05	.07
(20)..	.56	.50	.60	.79
(21)..	2.40	4.25	3.00	2.00
(22)..	.78	1.12	1.32	1.00
(23)..	.84	1.05	1.32	1.05
(24)..	.08	.0725	.075	.07
(25)..	30.10	34.00	30.00	31.00
(26)..	1800.00	2130.00	1800.00	1650.00
(27)..	4.80	5.00	4.00	2.50
(28)..	1.45	1.63	1.25	1.55
(29)..	1.70	1.87	1.50	1.75

T. S. O'Connell, State Highway Engineer.

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MODOC COUNTY — RAILROAD OVERPASS — (GOVT.)

MODOC COUNTY, Cal.—A. Frederick Anderson, 1518 38th St., Sacramento, at $10,898.70 submitted low bid to the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, for constructing a railroad overpass and approaches on Section B of Route 11, the Lava Beds National Forest Highway, Modoc National Forest, Modoc County.

Complete bids follow:

(A) A. F. Anderson, Sacramento, $10-898.70.
(B) A. H. Vogt Co., Inc., San Francisco, $11,949.50.
(C) C. D. Baker, North Sacramento, $11,983.00.
(D) J. H. Halterman, Willows, $12,-021.20.
(E) Pacific Truck Service, Inc., San Jose, $12,282.29.
(F) Albert H. Siemer, San Anselmo, $13,915.00.
(G) Dunn & Baker, Klamath Falls, Ore., $14,702.50.
(H) A. Milne, Portland, $16,015.00.
(I) A. Soda & Son, Oakland, $16,543.20
(J) Engineer's estimate, $11,679.50.

Unit quantities follow:

(1) 250 cu. yds. unclass. excav., struc.
(2) 1,500 cu. yds. unclas. excav. for borrow;
(3) 43 MFBM untreated timber;
(4) 105 cu. yds. Class A concrete;
(5) 28 cu. yds. Class B concrete;
(6) 7,000 lbs. reinf. steel;
(7) 24,000 lbs. struc. steel;
(8) 1,000 lbs. blast plates;
(8) 1,000 lbs. base plates;
(9) 290 sq. yds. asph. plank wearing surface.

Bids held under advisement.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ 2.00	$ 1.00	$ 4.00	$ 2.97	$ 2.50	$ 4.00	$ 10.00	$ 5.00	$ 2.48	$ 1.75
(2)	1.02	.65	.40	.60	.36	1.00	.50	.75	.64	.75
(3)	92.20	104.00	102.00	100.00	121.68	105.00	96.00	120.00	162.00	95.00
(4)	17.00	24.00	24.00	21.00	20.89	25.00	26.50	32.00	29.30	26.00
(5)	13.00	23.00	24.00	21.00	16.20	25.00	24.00	30.00	25.10	23.00
(7)	.054	.0575	.06	.055	.0737	.07	.065	.09	.063	.055
(7)	.055	.0625	.065	.08	.068	.08	.08	.10	.095	.065
(8)	.132	.20	.10	.0872	.078	.15	.20	.09	.247	.075
(9)	3.19	3.40	2.50	3.08	3.49	3.50	4.50	4.00	4.31	2.20

SIDEWALKS AND DRIVEWAYS—HAMILTON FIELD

HAMILTON FIELD, Marin Co., Cal. —F. J. Main, Fairfax, at $3,770.30 submitted low bid to the Constructing Quartermaster, Hamilton Field, San Rafael, for the construction of sidewalks and driveways at Hamilton Field.

Complete bids follow:

(A) F. J. Main, Fairfax, $3,770.30.
(B) N. M. Ball, Porterville, $3,836.00.
(C) Albany Cement Contr. Co., Albany, $3,840.70.
(D) Louis Lambetti, Mill Valley, $3,-839.00.
(E) Oliver Almlie, San Francisco, $4,-000.00.
(F) Pacific States Const. Co., S. F., $4,133.25.
(G) John Carcano, San Rafael, $4,-151.40.
(H) DeLuca & Son, San Francisco, $4,324.00.

Unit quantities follow:

(a) 1,250 sq. yds. 4-ft. walks;
(b) 205 sq. yds. 2-ft. walks;
(c) 725 sq. yds. Portland cem. conc. pavement;
(d) 26 cu. yds. crusher run base;
(e) 400 lin. ft. steps (Riser & Tread);
(f) 290 cu. yds. common excav.;

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(a)	$1.26	$1.25	$1.26	$1.20	$1.35	$1.35	$1.44	$1.50
(b)	1.26	1.40	1.44	1.24	1.40	1.35	1.44	1.60
(c)	1.80	1.75	1.93	1.79	2.25	2.20	2.07	1.95
(d)	2.75	2.55	3.00	.....	2.10	3.00	2.40	3.25
(e)	1.00	1.00	1.00	1.10	.65	1.00	.70	1.00
(f)	.80	.65	.50	.80	.60	.60	.95	1.25

All bids forwarded to Washington for award.

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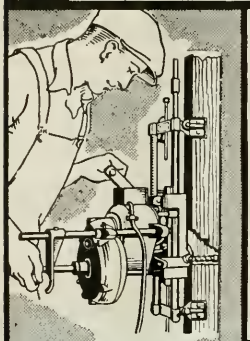
FEBRUARY 24, 1934

WAPPAT Electric TOOLS



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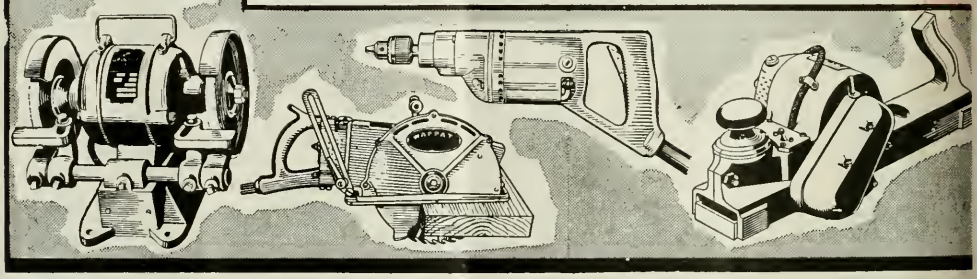

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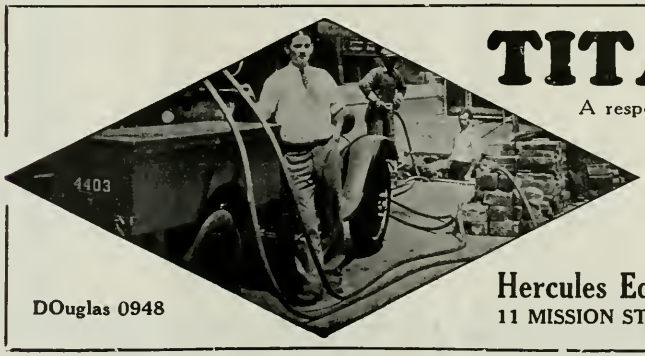

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PACIFIC CONSTRUCTOR

WITH WHICH IS CONSOLIDATED BUILDING AND ENGINEERING NEWS

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Vol. XVII SAN FRANCISCO, CALIF., FEBRUARY 24, 1934 No. 8

General Contractors' Code Signed By President; Effective March 19

The General Contractors' Code, the first chapter code to be submitted under the NRA Construction Industry Basic Code, was signed by President Roosevelt last Saturday and will become effective March 19, according to word received in San Francisco by Floyd O. Booe, secretary-manager of the Northern California chapter, A.G.C. The Associated General Contractors are named the Code Authority, with administation vested in a board of seventeen members, twelve selected from the A.G.C. membership and five from outside groups.

The divisional code authority will establish sub-divisional authorities for each of the following: (A) Building Contractors; (B) Heavy Construction and Railroad Contractors; (C) Highway Contractors.

General provisions of the code as submitted to the President by the National Recovery Administrator included regulation of bidding and dealings with sub-contractors and material men. These regulations supplement the basic code.

A general contractor is defined as "any individual, partnership, association, trust, trustee, trustee in bankruptcy, receiver, corporation or agency which undertakes, whether by formal contract or otherwise, to direct, superintend, coordinate and execute, either directly or thru others, the work of constructing, substantially or in its entirety, any fixed structural or physical improvement, or a modification thereof, or any addition or repair thereto, excluding any such operation aggregating in its entirety less than the sum of $1000."

Under provisions of the general code for the construction industry, the divisional code authority may require a registration with it by general contractors of all work costing $2000 or over, and may collect a fee not to exceed one-tenth of 1 percent of the value of the work to defray its expenses and the general contractors' proportionate share of the expenses of the construction code authority .

NEW CONSULTANT ENGINEER NAMED

J. C. Stevens of Stevens & Koon, consulting engineers, Portland, Oregon, has been appointed to the staff of consulting engineers for the Bonneville dam.

His assignment will be a study of hydraulics of the Columbia as affected by construction of the proposed dam.

FIVE NEVADA STATE HIGHWAY JOBS AWARDED

Fredrickson & Watson Low Bidder on Washoe Contract at $229,420

CARSON CITY, Nev., Feb. 21.—Nevada State Highway Directors opened bids and awarded contracts on five highway improvement projects as follows:

Fredrickson & Watson Const. Co. and Fredrickson Brothers, Oakland, and Jones and King, Hayward, at $229,420 for reconstruction of 13.3 miles in Washoe county between Clark and Wadsworth.

J. C. Compton, McMinnville, Ore., at $45,786 for oiling 15.9 miles in Lander county.

George French, Jr., Stockton, at $41,047 for oiling 18.5 miles in Lyon and Churchill counties between Dayton and Lahontan and Lahontan and Leeteville.

Isbell Const. Co., Carson City, at $58,464 for grading and surfacing 12.1 miles in Lyon county between Yerington and Wabuska.

Jack Casson, Hayward, Cal., at $55,530 for grading and surfacing 3.9 miles in Douglas county from Minden south.

ENGINEER APPOINTED

Oscar C. Holmes has been appointed city manager for Winters. He was selected from among 12 applicants for the post.

TWO CITIES VOTE BONDS FOR BUILDING

Stockton and San Jose Municipal Projects Approved By Electors

Bond issues providing $1,360,000 for municipal building projects were passed by large majorities in two California cities at special elections February 13.

The city of Stockton authorized $900,000 in bonds for additional warehousing facilities at the municipal port, and the city of San Jose voted for $375,000 in bonds to be supplemented by a grant of $112-000 in federal funds, already allotted, for a municipal auditorium.

The Stockton vote was 7,918 to 887, a majority of nearly nine to one. The San Jose vote was 8178 to 1924, or about four to one.

Both cities are pledged to proceed as rapidly as possible with legal formalities required to start work on the new structures.

Preliminary plans for the auditorium provide for a 2-story building with two halls, one seating 3800 persons and the other seating 1,-000. Plans are to be prepared by Architects Binder and Curtis, 35 W San Carlos street, San Jose. A site on San Carlos street has been donated, but the city council intends to procure some additional property adjoining.

The Stockton port development includes construction of three transit sheds, an 1850-foot wharf and extension of railroad spur tracks in the port area. Plans will be prepared by the engineering department of the port.

MORRISON HEADS SIX COMPANIES

H. W. Morrison of the Morrison-Knudsen Company, was elected president of the Six Companies, Inc. at a meeting of the board of directors in San Francisco.

Mr. Morrison succeeds E. O. Wattis of the Utah Construction Company who died after serving only a few months in the presidency to which he was elected after the death of W. A. Bechtel.

COURT RULING RELEASES NIRA JOBS IN STATE

All Highway Construction Contracts Aided by Federal Money To Proceed

SACRAMENTO, Feb. 17. — Construction of all California highway projects financed wholly or in part by NIRA funds may proceed at once, in the opinion of State Highway Division attorneys who have reviewed the decision on injunction proceedings given yesterday by Superior Judge Peter J. Shields. The decision held that federally financed contracts were not subject to state code wage scales.

State Director of Public Works Earl Lee Kelly is expected to order new highway contracts aggregating $2,000,000 in Northern California advertised immediately. Mr. Kelly is now in Los Angeles, but the opinion of his attorneys on the effect of Judge Shields' ruling was telegraphed to him.

Attorney Frank B. Durkee, who examined the decision in the absence of C. C. Carleton, chief of the legal staff, said he was convinced that all contracts in which the federal government shared would be exempt from state code proceedings. The decision, however did not clearly establish the exemption of state financed contracts, he said.

In denying the injunction sought by San Francisco labor unions to enforce higher wages on certain classes of work Judge Shields held the State Highway Commission was primarily obligated to expend the Federal money allotted to the state to alleviate unemployment, that it was acting to meet an emergency and that in order to expedite the work it was not bound by either the state recovery act wage scales or the state prevailing wage law where these acts were superseded by national emergency legislation.

The decision clears the way for award of a contract at $178,000 to D. McDonald, Jones & King and F. A. Bohnett, low bidders on construction of two miles of the Junipero Serra boulevard extension in San Mateo county. The bids were opened January 10 and the suit was commenced immediately thereafter by the Building Material Drivers union and the Steam Shovel and Dredgermen's union of San Francisco to enforce a wage scale fixed in the CRA code of the Excavators and Dump Truck Contractors. The prevailing wage scale as determined by the State Highway Commission and specified in the contract proposal forms was lower than that fixed by the code.

The contract is one financed entirely by federal funds under the NIRA appropriation.

Acting on the advice of his attorneys Director of Public Works Kelly suspended all highway proceedings in Northern California, the area under jurisdiction of the code, until a decision was obtained.

State Highway Commission to Open Bids on Nine Contracts March 14

SACRAMENTO, Feb. 20.—Seven highway construction contracts in Northern California counties, where proceedings have been suspended since January 22, were ordered advertised today by the State Highway Commission for bids to be received March 14. These are NIRA projects which were definitely cleared by the decision of the Sacramento county superior court February 16 holding that state code wage scales did not apply to this class of work.

The projects are in various counties but do not include any of the four San Francisco street widening and repaving contracts which were being advertised when proceedings were cancelled due to the wage litigation.

Two contracts in Southern California were released also, one for construction of an overpass in Los Angeles and the other for applying traffic stripe.

Following is a summary of the openings for March 14 (C[illegible]

Kern County: 6.1 miles grading between Sivert and Haypress Canyon.

KERN COUNTY: 1.1 miles grading and surfacing with bituminous treated crushed gravel or stone between 1 and 2 miles south of Delano.

LOS ANGELES CO.: Construct reinforced concrete overhead crossing over the tracks of the Southern Pacific Company spur to the Hercules Power Company in Los Angeles.

MADERA CO.: 4.1 miles grading between Hawkins School and Oakhurst.

SACRAMENTO COUNTY: Widen existing arch bridge across the American river about 1 mile north of Sacramento.

SISKIYOU COUNTY: 7.5 miles grading and surfacing with crusher run base between Moffett Creek and Forest House.

STANISLAUS CO.: 2.2 miles of grading and paving with asphalt concrete bet. one-half mile south and one mile north of Turlock.

SAN BERNARDINO and Riverside Counties: 608 miles of traffic stripe to be applied at various locations.

TULARE COUNTY: 8.1 miles to be graded and paved with asphalt concrete between Visalia and Merryman.

EXCAVATION OF ISLAND CABLE BASES STARTED

Columbia Steel Preparing for Tower Erection at Pier 2

Yerba Buena Island continued to be the center of activity on the San Francisco - Oakland Bay Bridge, with the pioneer shafts of the two cable anchorage tunnels completed for depth and now being enlarged, according to the weekly progress report to be filed today by Chief Engineer C. H. Purcell with Director of Public Works Earl Lee Kelly and Governor James Rolph, Jr., Chairman of the California Toll Bridge Authority.

San Francisco

The San Francisco cable anchorage eyebars have been aligned and cleaned ready for encasement in the concrete on Rincon Hill by Healy-Tibbitts Construction Co.

West Bay Superstructure

On completed Pier 2, at the foot of Harrison Street, San Francisco, Columbia Steel Company, superstructure contractors, rushed the erection of derricks and other equipment for raising the first tower of the bridge, steel for which is now lying in Oakland freight yards. This steel will be cleaned and painted preparatory to erection.

West Bay Substructure

At Pier No. 3 steel cylinders and cofferdam have been raised by Transbay Construction Co. to 132 feet above the cutting edge, the bottom of which is 118 feet below water.

At Pier 4, 1,000 cubic yards of concrete were placed during the week, bringing the total there to 30,000 cubic yards. This caisson is resting on its bottom 130 feet below water.

At Pier 6 the righted caisson received 1,000 cubic yards of concrete during the week, and the cutting edge at the bottom has been lowered by dredging to 145 feet below water, or within 25 feet of bedrock.

Yerba Buena Island

The two cable anchorage tunnels have been completed for depth and are now being increased in cross section by Clinton Construction Co. to an average of 20 feet wide by 30 feet high.

S. F. Contractors Elect Directors At Annual Meet

A. H. Bergstrom was re-elected president of the General Contractors of San Francisco at the annual meeting held February 15. Other officers were named as follows: W. W. Hayes, first vice-president; J. F. Barrett, second vice-president; J. S. Malloch, treasurer; C. J. Dixon, secretary; G. K. Jensen, J. A. Grant and B. A. Trobock, directors.

Other business transacted includes election of J. S. Malloch and B. A. Trobock as delegate and alternate, respectively, to the central council of the San Francisco Builders' Exchange.

Treasury Building Program in West Plans Expenditure of $9,412,284

The Treasury Department building program includes fifty - nine projects in the western states to cost $9,412,284, a summary issued as of January 31 indicates Four of the projects, including the San Francisco federal office building, were under contract on that date. The status of all buildings planned is reported as follows:

Projects Under Contract

Logan, Utah	$ 54,612
Los Angeles, Cal., QS	99,768
San Francisco, Cal., OB	2,889,040
Tecate, Cal., BS	60,000
Total	$3,103,420

Site Selected, Plans Completed; Projects Now in Specification Stage or Out for Bids

Alhambra, Cal.	$ 178,415
Ely, Nevada	45,000
Marshfield, Oregon	92,400
Phoenix, Arizona	635,559
Port Townsend, Wash., QS	270,000
Salinas, Cal.	83,600
San Gabriel, Cal.	57,200
South Pasadena, Cal.	63,800
Ventura, Cal.	85,800
Total	$1.511,774

Site Selected and Plans Partially Completed

Anaheim, Cal.	$ 120,000
Boise, Idaho, Assay Office	15,000
Hillsboro, Oregon	56,700
Hollywood, Cal.	214,500
Huntington Beach, Cal.	52,800
Inglewood, Cal.	90,000
Lodi, Cal.	55,000
Madera, Cal.	50,600
Montebello, Cal.	45,100
Montesano, Wash.	56,300
Nogales, Arizona, IS	169,000
North Hollywood, Cal.	56,100
Phoenix, Ariz., Ct. H.	40,000
Redding, Cal.	79,200
Redwood City, Cal.	66,600
Roseville, Cal.	45,100
San Pedro, Cal.	568,840
San Rafael, Cal.	64,900
Santa Cruz, Cal.	115,750
Santa Monica, Cal.	130,900
Van Nuys, Cal.	57,200
Whittier, Cal.	71,500
Total	$2,221,090

Site Acquired

Bell, Cal.	$ 38,300
Hollister, Cal.	45,100
Santa Clara, Cal.	40,500
Total	$ 123,900

Site Bids Asked or Awaiting Selection

Claremont, Cal.	$ 51,700
Colton, Cal.	57,200
Compton, Cal.	77,000
Eastport, Idaho, BS	60,000
El Monte, Cal.	48,500
Hood River, Oregon	61,600
Kingman, Arizona	44,000
La Jolla, Cal.	59,400
Laurier, Wash., BS	67,500
Naco, Arizona, BS	66,000
Oceanside, Cal.	55,000
Orange, Cal.	64,900
Pittsburg, Cal.	68,200
Redondo Beach, Cal.	73,700
San Fernando, Cal.	72,600
Santa Paula, Cal.	52,800
Torrance, Cal.	63,800
Turlock, Cal.	63,800
Winslow, Ariz.	49,500
Woodland, Cal.	69,900
Total	$1,227,100

Projects Held Temporarily

San Francisco, Mint Bldg.	$1,225,000
Grand Total	$9,412,284

Key to Abbreviations: Q.S., Quarantine Station; B.S., Border Station; O.B., Office Building; I.S., Immigration Station; Ct.H., Courthouse.

MORGAN HILL WAGE RATE SET

The wage scale for labor employed on the Morgan Hill water system reconstruction for which bids are to be received March 1 has been fixed in accordance with PWA requirements as follows:

Classification	Rate per hour
Unskilled laborer	$0.45
Carpenter	1.10
Machinist	1.10
Reinforcement steel worker	1.10
Electrician	1.10
Cement gun operator	1.10
Plasterer	1.10
Tractor driver	0.75
Truck driver (15500 or less)	0.68
Truck driver (over 15500 lbs.)	0.75
Excavator operator	0.75
Grader operator	0.75
Roller operator	0.90
Teamster	0.60
Concrete mixer operator	0.93
Concrete worker	0.77
Carpenter's helper	0.75
Machinist's helper	0.88
Pipe layer	0.82
Calker (yarn and lead)	0.88
Any classification omitted herein, not less than	0.60

GROUP JOINS SEATTLE A. G. C.

With the unanimous approval of the members of the Western Public Works Contractors association of the recent proposal by the Mountain Pacific Chapter, Associated General Contractors of America, to consolidated the former organization with the latter, the majority of the public works contractors of Washington are now members of the Mountain Pacific Chapter, A. G. C.

Quarters of the merged organizations will be maintained in the Arctic building in Seattle, in rooms formerly occupied by the Western Public Works Contractors association. Henry Nollan has been named executive manager of the Mountain Pacific Chapter, A. G. C.

The chapter now includes forty active members. George F. Christensen of Stevenson, is president; C. L. Creelman is vice-president, and Carl W. Erickson secretary-treasurer.

BIDS MARCH 2 FOR $90,000 SHASTA BLDG.

Two-Story County Hospital Partially Financed by Federal Grant

Bids for construction of the Shasta county hospital at Redding will be opened by the board of supervisors on March 2. The building is financed by a grant of $25,000 from PWA funds and a county appropriation. It will cost approximately $90,000.

The general contract includes construction of a two - -story reinforced concrete building providing space for 50 beds and three operating rooms. A separate contract will be let for mechanical work.

Plans are available in San Francisco from Architect O. M. Deichmann, 110 Sutter street. A deposit of $25 is required for the general contract set and $15 for the mechanical work.

The PWA wage scale will apply on the contract.

$80,000 School Building Bonds Voted in Roseville

A bond issue of $80,000 for school buildings was approved by Roseville voters at a special election Tuesday.

The proceeds will be used to erect a new 10-room building with lunchroom and assembly hall at a cost of $40,000, and for additions and improvements on two other buildings, estimated to cost $34,000. The balance will be expended on equipment and miscellaneous costs.

The bonds were carried by a vote of 1077 to 266.

Application will be made for a federal grant of $23,100 as the estimated cost of 30 percent of labor and materials.

Architect Charles Dean of Sacramento has been commissioned to prepare plans.

ELECT MEMBERS OF CODE AUTHORITY

Porter W. Yett of the City Motor Trucking Company, Portland, was elected permanent chairman of the regional committee and member of the code authority representing district 16 of the crushed stone, sand and gravel industry at the regional meeting held early this week in the Olympia hotel at Seattle. John R. Reese, Portland, was named secretary-treasurer, and Chas. Joslin, Spokane, vice-chairman.

The region includes Washington, Oregon, Idaho and Montana. Geo. W. Gauntlett, president of the Pioneer Sand and Gravel Co., Seattle, was also elected a member of the code authority.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
85	Pacific	Owner	5000
87	Rubin	Petersen	2000
88	Grant	Owner	1400
89	Stoneson	Owner	1000
71	Syndicate	Windsor	2000
72	Syndicate	Windsor	2000
73	Pacific	Thornally	1600
90	Little	Owner	4500
91	Fazio	Houweling	1950
92	Hagen	Dawes	5000
93	Little	Owner	4500
94	Parcaro	Cappelletti	1125
95	Moss	Martin	13000
96	Ovviani	De Luca	5800
97	Ross	Arthur	4000
98	Aimo	McFarland	4000
99	Milwaukee	Owner	6500
100	Bothin	Mattock	1000
101	Pfeifer	Owner	1200

ALTERATIONS
(85) SE GEARY AND TAYLOR STS. Alter hotel (second unit).
Owner—Pacific States Bldg. & Loan **Co., 745 Market St., S. F.**
Architect—G. A. Lansburgh, 140 Market St., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco. $5000

ALTERATIONS
(87) NO. 979 MARKET ST. Alter store.
Owner—A. Rubin, 49 Fourth St., San Francisco.
Architect—Not Given.
Contractor — Antone Petersen, 2758 San Bruno Ave., San Francisco. $2000

ALTERATIONS
(88) NO. 114 SANSOME ST. Alter office building.
Owner—Grant Co., Premises.
Architect—Not Given. $1400

ADDITION
(89) NO. 279 YERBA BUENA AVE. Add to dwelling.
Owner—Stoneson Bros., 1630 Ocean Ave., San Francisco.
Architect—Not Given. $1000

DWELLING
(71) 6116 MERRIEWOOD DR., **OAKLAND**; one-story 5-room dwelling and 1-story garage.
Owner — Syndicate Merriewood Co., American Bldg., Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont. $2000

DWELLING
(72) 6124 MERRIEWOOD DR., **OAKLAND**; one-story 4-room dwelling and 1-story garage.
Owner — Syndicate Merriewood Co., American Bldg., Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont. $2000

ALTERATIONS
(73) 2116 BANCROFT WAY, **BERKELEY**; alterations.
Owner—Pacific T. & T. Co., 140 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor—W. G. Thornally, 832 Paramount Road, Berkeley. $1600

DWELLING
(90) E TWENTY-FIFTH AVE 441 N Ocean Ave. One-story and basement frame dwelling.
Owner — M. A. Little Co., 107 24th Ave., San Francisco.
Architect—E. E. Young, 2000 California St., S. F. $4500

ALTERATIONS
(91) N CALIFORNIA ST. 112-6 W Hyde. Alter garages into stores.
Owner—Fazio & Molinari, 1416 California St., San Francisco.
Architect—Not Given.
Contractor—F. Houweling, 830 Prague St., San Francisco. $1950

DWELLING
(92) E TWENTY-FOURTH AVE. 40 S Ocean Ave. One-story frame dwelling.
Owner—A. E. Hagen, 74 Beaver St., San Francisco.
Architect—Not Given.
Contractor—Leslie C. Dawes, 449 Coventry St., Berkeley. $5000

DWELLING
(93) E TWENTY-FIFTH AVE. 487 N Ocean Ave. One-story and basement frame dwelling.
Owner — M. A. Little Co., 107 24th Ave., San Francisco.
Architect—E. E. Young, 2000 California St., S. F. $4500

ADDITION
(94) NO. 2779 FOLSOM ST. Add to storage building.
Owner—Thomas Parcaro, 2779 Folsom St., San Francisco.
Architect—Not Given.
Contractor—D. Cappelletti, 667 Hampshire St., S. F. $1125

DWELLING
(95) N McLAREN AVE. 75 E Camino Del Mar. Two-story and basement frame dwelling.
Owner—F. B. and May D. Moss, San Francisco.
Architect—Albert Farr and J. Francis Ward, 68 Post St., San Francisco.
Contractor—William Martin, 666 Mission St., S. F. $13,000

STORES
(96) N CHESTNUT 444 E Pierce St. One-story Class C stores.
Owner—Carlo Ovviani.
Ahchitect—Samuel Lightner Hyman and A. Appleton, 68 Post St.
Contractor—De Luca & Son, Inc., 1745 Filbert St., San Francisco. $5800

ALTERATIONS
(97) NO. 699 MARINA BLVD. Alter dwelling.
Owner—Frank Ross, Premises.
Architect—Not Given.
Contractor—G. H. Arthur, 666 Mission St., San Francisco. $4000

STORE
(98) W THIRD ST. 100 S Sixteenth St. One-story frame store.
Owner—Steve Aimo, 1072 Gilman St., San Francisco.
Engineer—James McFarland, 710 47th Ave., San Francisco.
Contractor—James McFarland, 710 47th Ave., San Francisco. $4000

VAT
(99) E JUNIPER ST. 100 N Bryant St. Two-story Class A concrete vat (foundations and steel frame).
Owner — Milwaukee Brewery of San Francisco, 490 Tenth St., S. F.
Engineer—Warren E. Murray, 908 Hayes St., San Francisco. $6500

ALTERATIONS
(100) NO. 1835 POLK ST. Alter store.
Owner—Bothin Realty Co., 604 Mission St., San Francisco.
Architect—Not Given.
Contractor—A. F. Mattock Co., 212 Clara St., S. F. $1000

ADDITION
(101) NO. 12 BLAKE ST. Add to dwelling.
Owner—Mr. and Mrs. M. Pfeifer, 12 Blake St., San Francisco.
Architect—Not Given. $1200

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
86	Moose	Owner	2000
73	General	Stolte	6800
74	Merritt	Owner	1000
75	Scammell	Owner	4000
76	Zukors	Dunn	3000
77	Warren	Owner	6000

ALTERATIONS
(86) NO. 1621 MARKET ST. Alter lodge building.
Owner — S. F. Lodge No. 26, Loyal Order of Moose, Premises.
Architect—Not Given. $2000

STATION
(73) NO. 250 TWENTY-FOURTH ST. **OAKLAND.** One-story steel service station and one-story steel lift building.
Owner—General Petroleum Corp., Parr Terminal, Oakland.
Architect—Not Given.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland. $6800

ALTERATIONS
(74) NO. 3301 WEBSTER ST., **OAKLAND.**. Alterations.
Owner—Merritt Hospital Assn., 3301 Webster St., Oakland.
Architect—Not Given. $1000

DWELLING
(75) NO. 3757 ELSTON AVENUE, **OAKLAND.** One-story 6-room dwelling.
Owner—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4000

ALTERATIONS
(76) NO. 1311 WASHINGTON ST., **OAKLAND.** Alterations.
Owner—Zukors Dress Shop, Prem.
Architect—Not Given.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco. $30,000

DWELLING
(77) NO. 1752 LEIMERT BLVD., **OAKLAND.** Two-story 6-room dwelling.
Owner—Weldon H. Warren, 2802 Fruitvale Ave., Oakland.
Architect—Not Given. $6000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
16	Walker	Cohn	1344
17	S. P. Co.	Westinghouse	2070
18	MacVine	Sartorio	5500
19	Ovviani	De Luca	7895

OFFICE
(16) NO. 650 SECOND ST. Carpenter work, hardware, electrical work and fixtures, painting, glass, etc., of office installation.
Owner—Hiram Walker, Mark Hopkins Hotel, San Francisco.
Engineer—Jesse Rosewald, 525 Market St., San Francisco.

Contractor—Theodore Cohn, 645 Second St., San Francisco.
Filed Feb. 16, '34. Dated Feb. 15, '34.
On completion of work..... 75%
Usual 35 days..... 25%
TOTAL COST, $1344.87
Bond, $672.44. Surety, United States Fidelity & Guaranty Co. Limit 14 days. Forfeit, none. Specifications only filed.

REPAIRS
(17) THIRD AND CHANNEL STS. Grocers' Terminal Building. All work for repairs to elevators 4, 5, 6 and 13.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—Not Given.
Contractor — Westinghonse Electric Elevator Co., 166 Seventh St., San Francisco.
Filed Feb. 16, '34. Dated Feb. 5. '34.
When completed 75%
Usual 35 days 25%
TOTAL COST, $2070
Bond, $2070. Surety, United States Guarantee Co. of New York. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(18) SW GRANT AVE. & CALIFORnia St. All work for altering 1 store into three stores.
Owneh—H. H. MacVine, 742 Market St., San Francisco.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market St., San Francisco.
Filed Feb. 17, '34. Dated Feb. 14, '34.
Steel erected $1375
Plaster completed 1375
Work completed 1375
Usual 35 days..... 1375
TOTAL COST, $5500
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(19) N CHESTNUT ST 444 E Pierce St. All work for one-story Class C reinforced concrete store building.
Owner—Carlo Ovviani, Chestnut St., near Pierce St., San Francsico.
Architect—Samuel Lightner Hyman and A. Appleton, 68 Post St., S. F.
Contractor—De Luca & Son, Inc., 1745 Filbert St., San Francisco.
Filed Feb. 21, '34. Dated Feb. 20, '34.
Foundations in 25%
Roof on 25%
Work completed 25%
Usual 35 days..... 25%
TOTAL COST, $7895
Bond, $3947.50. Surety, Central Surety & Insurance Corp. of Kansas City. Limit, 45 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS
ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
9	University of Cal.	Western	8400

COLD STORAGE PLANT
(9) HILGARD HALL, University of California. All work for reconstruction of cold storage plant.
Owner—University of California, Berkeley.
Engineer—W. B. Reynolds, U. of C. Campus, Berkeley.
Contractor—Western Engineering Co., 58 Main St., San Francisco.
Filed Feb. 20, '34. Dated Feb. 19, '34.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $8400
Bond, $5000. Surety, Hartford Accident & Indemnity Co. Limit, 50 days. Forfeit, $10. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

REINFORCING tank tower, $500; 25 Kearny St.; owner, Levl Strauss Realty Co., 110 Sutter St.; engineer, Howard L. Kegler, 508 Indiana St.
SIGN, electric, $400; 744 Washington St.; owner, Sun Hung Heung, 744 Washington St.; contractor, Golden Gate Neon Sign Co., 355 8th.
GARAGE, one-story, private, $200; W. Florida St. 195 N 26th St.; owner, Emilio and Rosie Tallerico, 1364 Florida St.
SIGN, cloth, $25; SE Bush and Polk Sts.; owner, L. Weinstein, Prem.; contractor, Laib, 7th and Folsom.
GARAGE, one-story, private, $475; NE 21st and Sanchez Sts.; owner, A. F. Dugrazia, 55 Santa Rosa St.
FLUES (4), patent, $125; E 25th Ave. 487 N Ocean Ave.; owner, M. A. Little; contractor, G. P. Schmitt, 880 Faxon Ave.
ALTER restaurant, $800; 546 Broadway; owner, Tom Arbrilick, 546 Broadway.
SIGN, electric, $75; 460 Eddy St.; owner, Elite Garage, Prem; contractor, Elec. Products Corp., 255 Golden Gate Ave.
REPAIR fire damage to dwelling, $500 1056 Greenwich St.; owner, A. Minutoli, 1056 Greenwich St.; contractor, C. Dudley DeVilbiss Co., 1250 Turk St.
SIGN, electric, $200; 1026 Market St.; owner, Dr. Kramar, 1026 Market St.; contractor, Apex Elec. Co., 363 Fell St.
ALTER store, $50; 462 Powell St.; owner, Cohen & Goodfriend, 462 Powell St.; contractor, F. Porharty, 55 Morris St.
ALTER store, $450; 701 10th Ave.; owner, O. E. Denhard, 703 10th Ave.; contractor, Franzen & Parent, 145 Natoma St.
ALTER dwelling, $500; 1375 Palou St.; owner, Mrs. Martha Wolff, 1375 Palou St.
SIGN, electric, $100; 1616 Laguna St.; owner, Jenkin, 1616 Laguna St.; contractor, Laib, 7th and Folsom.
SIGN, electric, $150; 512 Second St.; owner, White Sewing Machine Co. 512 2nd St., contractor, Apex Elec. Co., 363 Fell St.
BILLBOARD, $25; SW Market and Glendale Sts.; owner, West Coast Adv. Co., 1864 Market St.
ALTER store, $200; 1326 Grant Ave.; owner, T. Guinasso, 584 Vallejo St.; contractor, Masarie & Cunec, 2550 19th St.
ALTER frame building for storage, $500; 438 9th St.; owner, Adrlene H. Clark, Woodside, Calif.
SIGN, electric, $150; 1312 Polk Street; owner, Edward Martin, 1312 Polk St.; contractor, Q.R.S. Neon Corp. 690 Potrero Ave.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $600; 396 15th St., Oakland; owner, Typewriter Guy, 396 15th St.; contractor, Mark Bristol & Co., 1038 McKinley Ave.

SIGN, electric, $245; 1927 San Pablo Ave., Oakland; owner, San Pablo Delicatessen; contractor, Ace Elec. Sign Co., 1243 E-12th St.

SIGN, electric, $200; 2511 Broadway, Oakland; owner, Nason's; contractor, Elec. Prod. Corp., 950 30th St.
SIGN, electric, $150; 391 17th St., Oakland; owner, Office Equipment Co.; contractor, Elec. Prod. Corp., 950 30th St.
ALTERATIONS, $195; 3224 Grand Ave., Oakland; owner, G. Archambault; contractor, Oakland Refrigerator & Butcher Supply Co., 1622 E-12th St.
SIGN, electric, $100; NE 20th and Franklin Sts., Oakland; owner, Harry G. Williams; contractor, Elec. Prod. Corp., 950 30th St.
SIGN, electric, $100; 1841 Park Blvd., Oakland; owner, MacMarr Stores; contractor, Elec. Prod. Corp., 950 30th St.
ALTERATIONS, $150; 1406 Euclid Ave. Berkeley; owner, Sadler, San Francisco; contractor, W. Van Aalat, 2039 34th Ave., Oakland.
ALTERATIONS, $150; 444 50th St., Oakland; owner, W. D. Wills, 445 51st St.
ALTERATIONS, $125; 657 7th St., Oakland; owner, L. M. Baird, 2501 Ivy Drive.
ALTERATIONS, $600; 1528 Walnut St., Berkeley; owner, Mrs. J. Andrew, Premises; contractor, Guy Tyler & Sons, 1502 Cedar St.
ALTERATIONS, $325; 2831 Prince St., Berkeley; owner, H. E. Griffin, 2018 Lincoln St.; contractor, Krafft & Patrick, 1895 San Juan Ave.
GARAGE, one-story, $300; 1434 Fernwood Drive, Oakland; owner, C. A. McCoy, Premises; contractor, H. L. Crocker Jr., 30 Wilding Lane.
STORE, one-story, $245; 2029 Telegraph Ave., Oakland; owner, T. Iijami, 986 35th St.; contractor, Wm. A. Degen, 2855 Santa Clara Ave., Alameda.
DISPLAY cabin, one-story, $70; 6103 E-14th St., Oakland; owner, E. E. Marshall, 608 16th St.
ALTERATIONS, $400; 861 47th St., Oakland; owner, A. Andrew, 752 47th Ave.
ADDITION, $110; 733 Longridge Rd., Oakland; owner, R. Tomasko, 733 Longridge Road.
SHED, one-story, $500; 735 45th Ave., Oakland; owner, Mileage Gasoline Co., 354 Hobart St.
ALTER apartments, $720; 736 25th St., Oakland; owner, Mary Dougery, Federal Bldg.
ALTERATIONS, $10; 1341 Market St., Oakland; owner, Edward Guggisberg, 1341 Market St.
SIGN, electric, $175; 1215 Washington St., Oakland, owner, A. Ruhin, contractor, Radiant Neon Display, 2561 San Pablo Ave.
ALTER for garage, $275; 684 63rd St., Oakland; owner, Mrs. Catherine Lynn, 684 63rd St., Oakland; contractor, W. Livingston & Son, 1152 Euclid Ave., Berkeley.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
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6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Contract Awarded.
APARTMENT Cost, $34,000
PORTLAND, Ore. SE 14th and Main.
Two - story and basement frame and brick apartment (47x102) 22 apts. sheet metal, steam heating system, incinerator, electric ranges, asphalt tile flooring, electric refrigeration, etc.
Owner—Young Women's Christian Association.
Architect—Johnson & Wallwork, U. S. Bank Bldg., Portland.
Contractor—L. H. Hoffman, 347 Columbia St., Portland.

Permit Granted.
APARTMENTS Cost, $18,000
SACRAMENTO, Sacramento Co., Cal. Riverside Blvd. N Fremont Way.
Apartment building (6 apartments).
Owner & Builder—Wm. Murcell, 2015 23rd St., Sacramento.
Architect—Not Given.
Permit has been granted to William Murcell by the City Planning Commission to construct the building. Further details will be announced shortly.

2— BONDS

BONDS SOLD
LONG BEACH, Cal.—Citizens Nat'l. Trust & Savings Bank, Los Angeles, purchased at par Long Beach Junior College District bonds in the sum of $100,000.

3— CHURCHES

PREPARING PLANS.
WEST LOS ANGELES, Cal.—Architect P. P. Lewis, 1063 Westwood Blvd. West Los Angeles, is preparing working plans for a church building to be built at the corner of Hilgard Ave. and Lindbrook, West Los Angeles, for the Christian Science Church. The building will seat about 500 and will be of frame and stucco construction, tile roofing, cement floors carpeted, hardwood and pine trim, gas-steam radiators, toilets, etc.

Plans Being Figured.
AUDITORIUM Cost, $——
SAN FRANCISCO. Oakdale Avenue.
One-story and mezzanine floor auditorium for All Hollow's Church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect — John J. Foley, 770 Fifth Ave., San Francisco.

4— FACTORIES & WAREHOUSES

Contract Awarded.
WAREHOUSE Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. Q. R, Fifth and Sixth Sts.
One-story brick warehouse.
Owner—Mrs. Dolores Satorite, 1808 22nd St., Sacramento.
Plans by Paul R. Opdyke.
Lessee—Rainier Brewing Co., Sacramento.
Contractor—Paul R. Opdyke, 2431 F St., Sacramento.

Plans Being Prepared.
WAREHOUSES Cost, $——
STOCKTON, San Joaquin Co., Calif. Waterfront.
Three one-story heavy mill and brick warehouses (100x150-ft.) sprinkler system, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge) City Hall.
Bids will be asked in about 90 days.

Plans Being Completed.
COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif. Waterfront.
Three-story cotton compress (divided into areas separated by brick firewalls, size varying from 28,000 sq. ft. to 50,000 sq. ft.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge) City Hall.
Bids will be asked in two or three weeks.

Contract Awarded.
COOPERAGE Cost, $50,000
FRESNO, Fresno Co ., Cal.
Construct new cooperage (two one-story steel frame buildings with wood roofs).
Owner—Western Cooperage Company, American Bank Bldg., Portland.
Contractor—Austin Co. of Calif., 1924 Broadway, Cakland.

Additional Sub-Contracts Awarded.
BREWERY Cost, $250,000
SAN FRANCISCO. Tenth and Bryant Streets.
Stock house, bottling house and enlarging present brewery (Class A steel, concrete and brick construction).
Owner—Milwaukee Brewing Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., at $65,000.
Glass — Habenicht & Howlett, 529 Clay St., San Francisco.
Finish Hardware—E. M. Hundley, 662 Mission St., San Francisco.
Electric—Enterprise Electric Co., 1164 Mission St., San Francisco.
Insulation — Mundet Cork Co., 440 Brannan St., San Francisco.
As previously reported, reinforcing steel awarded to Gunn, Carle & Co., 20 Potrero Ave.; steel sash to Michel & Pfeffer Iron Works, Harrison and Tenth Sts.; plumbing to J. H. Pinkerton, 927 Howard St.; ventilating to R. J. Nellan, 30 Isis St.; mill work to Brannan Street Planing Mill, 560 Brannan St.

PLANS BEING FIGURED.
LOS ANGELES, Calif.—Continental Can Co., 3820 Union Pacific Ave., is taking bids for a 2-story, Class A unit 174x200-ft. in area, to be added to the company's factory at 3820 Union Pacific Ave. All work except elevator will be included in the general contract. The building will have concrete caissons and footings, concrete walls and roof, sawtooth type roof construction, skylights, structural steel, brick and tile filler walls, steel sash, metal clad doors, steel rolling shutters, water proofing materials, insulation materials, wire glass, copper gutters, louvres and screens, metal door jambs overhead doors, cast iron wheel guards concrete floors, electric elevator, automatic sprinkler syste, drinking fountains, electric water coolers, etc. Cost $150,000. Francisco & Jacobus, New York City, are the architects. Bids are to be submitted on February 23.

Plans Being Prepared.
DISTILLERY Cost, $60,000
CALIFORNIA. Sacramento Valley.
One-story Class C concrete whiskey distillery (10,000 sq. ft), distillation equipment, etc.
Owner—Mr. Conrad, % Engineer.
Engineer—Hunt-Mirk & Co., 141 Second St., San Francisco.
The engineers are interested in receiving bids on distillation equipment. Bids for the general construction of the building will be asked in about sixty days.

Reinforcing Steel Contract Awarded.
WINERY Cost, $15,000
LOS GATOS, Santa Clara Co., Cal. Los Gatos Novitiate.
Two-story concrete winery (50x60 ft.) concrete floors and roof, new equipment, etc.
Owner—Sacred Heart Novitiate, Los Gatos.
Architect—Not Given.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
As previously reported, structural steel awarded to Herrick Iron Works, 18th and Campbell Sts., Oakland.

Plans To Be Prepared.
WINERY Cost, $100,000
VICTOR, San Joaquin Co., Cal.
One-story winery (probably hollow tile construction) capacity of 10,000 tons of grapes.
Owner—E. J. Mettler, Victor and Lodi (Lodi 69-F-14 or 95-F-2).
Architect To Be Selected.

COMPLETE BID LISTING.
FORT LEWIS, Wash.—As previously reported, Nelse Mortensen Co., 1021 Westlake Avenue North, Seattle, submitted low bid at $46,920 to the Constructing Quartermaster, Fort Lewis, for the construction of two stables at Fort Lewis. Following bids received:

Nele Mortensen Co., Seattle	$46,920
H. S. Wright Co., Seattle	48,720
A. F. Mowat, Seattle	49,735
Geo. H. Buckner Co.	50,499
Howard Engineering Co.	50,999
Hendrickson - Alstrom Co.	51,958
William Wills	52,380
Harry Boyer & Sons Co.	53,800
A. F. Larson	57,773
A. D. Balenger & Co.	58,000
George H. Lohrer	61,000
Western Const. Co.	61,875

One structure will be 390 feet long and 35 feet wide, and one will be 100 feet long and 35 feet wide, of brick and steel construction, steel roof trusses, tile flooring, concrete floors, metal sash, etc.

Contract Awarded.
LAUNDRY Cost, $10,000
OAKLAND, Alameda Co., Cal. N 30th St. E San Pablo Ave.
One-story Class C concrete laundry.
Owner—Richard Wong.
Architect—Not Given.
Contractor — Edward Sommarstrom, 134 E-12th St., Oakland.
Oakland City Planning Commission has recommended to City Council that property be razed to permit construction.

Plans Being Completed.
BUILDINGS Cost, $10,000
ALAMEDA, Alameda Co., Cal. Corporation Yard (North end Grand Street).
Group of seven reinforced concrete buildings (sheds, etc.)
Owner—City of Alameda.
Engineer—G. E. Sperbeck, City Hall, Alameda (% Street Dept.)
Plans will be completed within a few days and submitted to the CWA for approval.

Preparing Preliminary Plans.
WINERY & CANNERY Cost, $——
STOCKTON, San Joaquin Co., Cal. Ten-acre tract near Municipal docks.
One-story concrete or brick winery, (100x200 ft.) and one-story concrete or brick cannery (100x200 ft.), distillery, office building, etc.
Owner—Riverbank Canning Co. (Lorenzo Zorillo, Owner), Riverbank.
Architect — Howard Bissell, 327 E. Channel St., Stockton.
Structural Engineers—Ohm & Raab, 109 E. Weber St., Stockton.
Contractor—J. A. Allen, 22 S. Sutter St., Stockton.

Plans Being Figured.
ADDITION Cost, $——
SOUTH SAN FRANCISCO, San Mateo Co., Cal. No. 20 S-Linden St.
Addition to ink manufacturing plant.
Owner — George H. Morrill Co., 130 Fremont St., San Francisco.
Plans by Engineering Dept. of Owner, New York City.

To Ask Bids In One Week.
ADDITION Cost, $——
ALAMEDA, Alameda Co., Cal. Foot of Paru Street.
Additions to terminal (timber dock and frame and corrugated iron warehouse, 300x700 ft.) spur tracks concrete piling, etc.
Owner — Alaska Packers Assn., 111 California St., San Francisco.
Engineer—Philip Bush, % California Packing Corp., 101 California St., San Francisco.

Contract Awarded.
ADDITION Cost, $1500
SAN FRANCISCO. No. 2779 Folsom Street.
Addition to storage building.
Owner—Thomas Parcaro, Premises.
Architect—Not Given.
Contractor—D. Cappelletti, 667 Hampshire St., San Francisco.

PLANNED.
PARLIER, Fresno Co., Calif.—Chas. A. Parlier, Parlier, chairman of a winery group, announces that plans are under consideration for a co-operative winery in Fresno County. Dr. John B. Schneider, agricultural economist of the Giannini Foundation, University of California, Berkeley, is working out a plan for the winery which will be submitted at a later date. Further details will be announced shortly.

5— FLATS

Plans Being Figured—Bids Close Feb. 26.
FLATS Cost, $22,000
SAN FRANCISCO. North Point Street East Fillmore.
Three-story and basement frame and stucco flats (3 flats) (2 flats with 4 bedrooms and 4 baths; 1 flat with bedroom, bath and social room) slate roof, steam heating system, tiled baths, hardwood floors, etc.
Owner—Mrs. Scarpulla.
Architect—Chas. Strothoff, 2274 15th Street.
Previously reported that bids would be opened Feb. 26, which was in error.

6—GARAGES & SERVICE STATIONS

Contracts Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Pacific Avenue.
Alterations to garage (painting, etc.)
Owner—Sloss Estate.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco, at $419.
Painting—R. P. Paoli, 3159 Fillmore St., San Francisco, at $266.

Construction To Start Shortly.
SERVICE STATION Cost, $6500
OAKLAND, Alameda Co., Cal. 92nd Ave. and E-14th St.
Steel and concrete super-service station (one 1000-gallon and two 500-gallon tanks, 4 pumps, etc.)
Owner—John Peters, Granada Theatre Oakland.
Architect—Not Given.
Contractor — W. Bryan Milton, 589 Haddon Road, Oakland.

Planned.
SERVICE STATION Cost, $——
OAKLAND, Alameda Co., Calif. 59th Ave. and Shattuck.
Brick super-service station.
Owner—I. Shemanski.
Architect—Not Given.
Lessee—Pacific Oil Co., 10th Ave. and E 12th St., Oakland.

Construction to Start Shortly.
SERVICE STATION Cost, $12,000
FRESNO, Fresno Co., Cal. SW Divisadero St. and Broadway ,125x 80 feet).
Super service station (all modern conveniences).
Owner—Standard Stations, Inc., Pacific Southwest Bldg., Fresno.
Plans by Engineering Dept. of Owner.
Mgr. of Constr.—F. A. Blackburn, % Owner.

Plans Being Figured.
SERVICE STATION Cost, $——
REDWOOD CITY, San Mateo Co., Cal. Middlefield Road and Chestnut St.
One-story steel service station.
Owner—Dave L. Walter, 2198 Broadway, Redwood City.
Architect—Not Given.

7—FEDERAL BUILDING

CONTRACT AWARDED
FORT HUACHUCA, Arizona—Wm. Pepper Constr. Co., Box 1564, Phoenix, Arizona, at $5640 awarded contract by the Constructing Quartermaster for the construction of a fire station at Fort Huachuca.

LOW BIDDER
EDIZ HOOK, Wash.—S. S. Mullen, Port Angeles, Wash., submitted low bid to the Treasury Department, Coast Guard, Washington, at $3883, for the construction of a radio building and accessories at Ediz Hook, Wash.

CONTRACTS AWARDED.
SAN LUIS OBISPO, Cal.—Following awarded contracts by the Disbursing Officer, U. S. National Guard, Sacramento, for the construction of a group of buildings at San Luis Obispo.
Addition to infirmary, $2,444; photo building, $2,208; supply building, $2,planes (concrete), $2,722 and twelve wall tent floors awarded to George Miller, 9401 Brighton Way, Beverly Hills.
Bath house and latrine, $1,854, repairs to administration building, $117 awarded to L. A. Brisco, of Arroyo Grande.
Repairs to drill field $4,078 and three storage tent floors, $190, awarded to Theo. Maino, San Luis Obispo.
Complete bids published Feb. 10.

BIDS WANTED.
SUNNYVALE, Santa Clara Co., Cal. —Until February 28, 11 A. M., bids will be received by the Public Works Office, 12th Naval District, 100 Harrison St., San Francisco, for the construction of two sentry houses, a garbage and tool building at the Naval Air Station, Sunnyvale. Spec. No. 7585. Plans and specifications available from above office upon deposit of $10.00.

February 19, 1934

BIDS WANTED.
HAMILTON Field, Marin Co., Cal.—Until March 3, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of a boat house at Hamilton Field. Plans and specifications available from above office upon deposit of $10.00.

SITE BIDS BEING TAKEN.
EL MONTE, Los Angeles Co., Cal. Until 9 A. M., March 5, bids will be received by the postmaster at El Monte for furnishing a site for the U. S. postoffice to be erected in El Monte. The sum of $48,500 has been appropriated for the project.

LOW BIDDERS.
SAN FRANCISCO.—Hansen & Anthony Dilorenzo, N. Y., at $6,460 submitted low bid to Treasury Department, Washington, D. C., for plaster models for the new Federal office bldg. Rochette & Paszeni Corp., New York City, at $8,880 were second low. Complete bids will be published shortly.

LOW BIDDERS.
McNEIL ISLAND, Wash. — Hedeen Const. Co., Seattle, at $38,907 submitted low bid to Construction Department, McNeil Island, for the construction of two dwellings and appurtenances and for alterations and additions to hospital at the penitentiary at McNeil Island. Dolph Jones, Tacoma, at $42,200 submitted second low bid, and Hansen and Totecek, at $42,-825 were third low.

COMPLETE BID LISTING
EDIZ HOOK, Washington—As previously reported, S. S. Mullen, Port Angeles, Wash., at $3883 submitted low bid to the Treasury Department, Coast Guard, Washington, D. C., for the construction of a radio building and accessories at Ediz Hook, Wash. Following bids received:
S. S. Mullen, Port Angeles, Wash., $3883, 42 days.
Ryberg & McCaul, 95114 Palmer Drive Seattle, $3974.45, 62 days.
Wm. Wills, Seattle, $4466, 70 days.
Chris Kuppler's Sons, Port Angeles, $4775, 60 days.
Wm. Gorsegnor, Port Angeles, Wash., $4779, 42 days.
Sebastian Mayer, Port Angeles, Wash. $6641.83, 90 days.

EQUIPMENT APPROVED.
LOGAN, Utah. — Treasury Department has approved following equipment bids for the U. S. Post Office at Logan. W. K. Dean & Sons Co., Salt Lake City, general contractors:
Electric water cooler and drinking fountain, Frigidaire Corp.; boiler, Fitzgibbons Boiler Co.; tube and wall

radiators, U. S. Radiator Corp.; glassware Perfection Glass Co. and Phoenix Glass Co.

TO ASK SITE BIDS.

SAN FRANCISCO. — Treasury Department will advertise for bids for a site for the proposed new mint and assay office to be erected in San Francisco. Public Works Administration recently allotted $1,225,000 to finance construction.

Sheet Piling Contract Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five - story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor — Great Lakes Const. Co., 333 N Michigan Ave., Chicago.
Sheet Piling—A. W. Kitchen, 110 Market Street.
Power Shovel Excava.—Sibley Grading & Teaming Co., 165 Landers St.
Steel Erection—Steel Erectors Consolidated, 47 Hubbell Street.
Lumber—Allen and Dettmann, 2000 Evans Avenue.
Sand—Atlas Olympia, 525 Market St.
Readymix Concrete—Bode Gravel Co., 235 Alabama Street.
Glass—W. P. Fuller & Co., 301 Mission Street.
Marble—Vermont Marble Co., 525 Market St. (contract sub-let by Anderson Marble Co.)
Other awards previously reported.

BIDS WANTED.

HAMILTON FIELD, Marin Co., Cal. —Until March 3, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of a boat house at Hamilton Field.

General contract includes wood piling foundation with pre-cast concrete pipe casing; erecting government furnished steel trusses, columns, windbracing, steel sash and mullions; furnishing other structural steel; asbestos protected metal roof; metal lath and plaster partitions; cement gun stucco work; hardware; painting, glazing.

Following have requested plans:
Anchor post Fence Co., 450 6th St., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.
DeLuca & Son, 1745 Filbert Street. San Francisco.

Plans and specifications are on file in the office of Daily Pacific Builder and may be inspected by those interested.

BIDS OPENED

SELMA, Fresno Co., Cal. — Penn Metal Company of Pennsylvania, Munsey Bldg., Baltimore, at $93.43 submitted low bid to Post Office Department, Washington, D. C., for one group of steel shelving for the U. S. Post Office at Selma. Following bids received:

Penn Metal Furniture Co., Baltimore, $93.43.
George Fensky, San Francisco,
George Fensky, San Francisco, $100.80
DeLuxe Metal Furniture Co., Warren, Pa., $102.14.
Fred Medart Mfg. Co., San Louis, Mo., $104.57.
Metal Office Furniture Co., Grand Rapids, Mich., $112.80.
Worley & Co., Pico, $122.25.
Lyon Metal Products Co., Baltimore, $203.61.
Bids held under advisement.

TO ASK BIDS

CALEXICO, Imperial Co., Cal. — Bids will be asked by the Custodian or custom officer, Calexico, for Venetian blinds for the Immigration Station, Calexico.

PLANS BEING REVISED.

HAMILTON FIELD, Marin Co., Cal. —Constructing Quartermaster, Hamilton Field, is revising the plans for the construction of seven one-story hollow tile company officers' quarters to be erected at Hamilton Field. Previous bids rejected as being too high, the lowest being submitted by Azevedo & Sarmento, 920 O St., Sacramento, at $101,250. New bids will be asked in about thirty days.

PROSPECTIVE BIDDERS.

SUNNYVALE, Santa Clara Co., Cal. —Following have procured plans for the purpose of submitting bids to the 12th Naval District, 100 Harrison St., San Francisco, on February 28 for the construction of two sentry houses, a garbage and tool building at the Naval Air Station at Sunnyvale; Spec. No. 7585:

Theo. Johanns, 2020 15th St., San Francisco.
A. H. Vogt, 250 11th St., San Francisco.
San Francisco Const. Co., 3159 Fillmore St., San Francisco.
Anchor Post Fence Co., 450 6th St., San Francisco.
Wm. Spivock, Hobart Bldg., San Francisco.
Fire Protection Products Co., 1101 16th St., San Francisco.
A. Nelson, Inc., 242 Ocean Avenue, San Francisco.

LOW BIDDERS

FORT LEWIS, Wash.—Henricksen Alstrom Constr. Co., Seattle, Wash., at $231,290 submitted low bid to the Constructing Quartermaster, Fort Lewis, for the construction of seven one-story concrete and brick gun sheds at Fort Lewis. Buildings are all one-story faced with brick, concrete floors, asbestos shingle roofing, steel roof trusses and range in size from 160x41 feet to 338x35 ft. A. F. Mowat, Seattle, at $237,000 submitted second low bid and Nels Mortensen, Seattle, at $239,490 was third low. Complete bids will be published shortly.

SPECIFICATIONS BEING WRITTEN

WESTERN STATES—Treasury Department, Office of the Supervising Architect, Washington, D. C., reports the following Western Post Office building projects in the specification stage: Alhambra, Calif., $165,000, John Walker Smart, architect; Ely, Nevada, $45,000, plans by owner; Marshfield, Oregon, $92,400, plans by owner; Phoenix, Ariz., $635,559, Lescher & Mahoney, architects; Port Townsend, Wash., (quarantine station), $270,000; Salinas, Calif., $83,600, O'Brien Bros. and W. D. Peugh, architects; San Gabriel, Calif., $57,200, Scott Quintin, architect; Silver City, N. M., $50,000, plans by owner; South Pasadena, Calif., $63,800, Marsh, Smith & Powell, architects; Ventura, Calif., $85,800, Harold E. Burket, architect.

BIDS OPENED

SAN FRANCISCO—Theo. Johanns, 2020 15th St., San Francisco, at $335 submitted low bid to Public Works Office, 12th Naval District, for plaster work and painting at Quarters No. 1, Receiving Ship, Yerba Buena Island, Spec. No. 7632. Following bids received:

Theo. Johanns	$335
A. B. C. Painting Co.	474
R. P. Paoli	498
Roy Lind	510
M. J. King	548
Pacific Painting & Dec. Co.	579
Ed. Rosemont	638

Bids held under advisement.

BIDS OPENED.

SELMA, Fresno Co., Cal.—Federal Equipment Co., Carlisle, Pa., at $1,248 submitted low bid to Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the U. S. Post Office at Selma. Following bids received

Federal Equip. Co., Carlisle	$1,248
Delivered	1,536
Corbin Cabinet Lock Co., New Britain, Conn.	1,302
Keyless Lock Co., Indianapolis	1,415
George Fensky Co., S. F.	1,500
Delivered	1,555
McLane Mfg. Co., Milford, N. H.	1,595
Central Post Office Equip. Co., Chicago	1,731
Badger Showcase Co., Green Bay Michigan	2,035
Delivered	2,620
Original Cabinet Corp., Niles Michigan	2,050
Huntington Church Furniture Co. Jackson, Tenn.	3,849

Bids held under advisement.

8— CLUB BUILDINGS

To Be Done By Day's Work.

ALTERATIONS Cost, $1500
SAN FRANCISCO. Lakeside Country Club.
Alterations for buffet and bar room.
Owner—Lakeside Country Club.
Architect—Marlo Corbett, 683 Sutter St., San Francisco.
Work will be done by day's labor by owner's own forces.

To Be Done By Day's Work.

ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 1621 Market Street.
Alterations to lodge building.
Owner—San Francisco Loyal Order of Moose, Lodge No. 26, Premises.
Architect—Not Given.

PLANNED.

SAN GABRIEL, Los Angeles Co., Cal.—R. Wescott Co., 536 S Broadway, Pasadena, will superintend the construction of a frame and stucco clubhouse on Las Tunas Ave., San Gabriel, for the San Gabriel Country Club. Plans were prepared by Architect Scott Quintin, 418 N California St., San Gabriel. The structure will be 260 feet long, including a portion of the old building which will be used, and will contain ladies' and men's showers and dressing rooms, lounge, game rooms, dining room and offices, shake roof, tile floors, gas unit heating system, etc. Cost, $25,000.

Plans Being Figured—Bids Close Mar. 10th, 2 P. M.

MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust Street and Mineral King Avenue.
Two - story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc.; (will contain 2 lodge rooms, banquet, club and reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Assn.
Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Plans and specifications available from the architects upon deposit of $25. Bids are being taken for general contract with separate bids for heating.

Plans To Be Prepared.

REMODEL BLDG. Cost, $3500
SANTA CRUZ, Santa Cruz Co., Cal. East Third Street.
Remodel present lodge building (remodel front, stucco work, etc.)
Owner—Independent Order of Odd Fellows (Geo. Wilson in charge).
Architect—Ryland & Esty, Alta Bldg., Santa Cruz.

9— HOSPITALS

ASK FEDERAL AID.
LOS ANGELES, Calif.—The Legion Corp., Twenty - Nine Palms, will apply to the Public Works Administration, Division of Housing, for a loan of $100,000 for the construction of the Jos. Davis Memorial Rest Home at Twenty-Nine Palms. The rest home will contain 137 rooms and will be built in unit form, of hollow concrete blocks. Plans will be prepared by Architect Frederick Kennedy, Jr., 1041 E Green St., Pasadena.

Plans Being Figured—Bids Close Mar. 2nd, 10 A. M.
HOSPITAL Cost, $90,000
REDDING, Shasta Co., Calif.
Two-story reinforced concrete hospital (24x36; 50 beds, 3 operating rooms) tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Bids are being taken for a general contract with separate bids on mechanical work.
Plans and specifications available at the office of the architect upon deposit of $25.00 for general work, and $15.00 for mechanical work.

Bids Wanted—To Close March 19.
HOME Cost, $——
SITKA, Alaska.
Three-story reinforced concrete pioneer's home (accommodate 50 patients) X-ray room, solarium, offices, recreation, card room, morgue
Owner—Pioneer's Home, Sitka.
Architect—Heath, Gove & Bell, Tacoma, and N. Lester Troast, Juneau, Alaska.

Commissioned To Prepare Plans.
HOSPITAL Cost, $615,000
SAN FRANCISCO. Potrero Ave. and Twenty-second St.
Owner—Cancer-Psychopathic Building (T-Shaped).
Owner—City and County of San Francisco.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
Further details will be announced shortly.

To Be Done By Day's Work.
ALTER HOSPITAL Cost, $1000
OAKLAND, Alameda Co., Cal. No. 3301 Webster Street.
Alterations to hospital.
Owner—Merritt Hospital Assn, 3301 Webster St., Oakland.
Architect—Not Given.

FUNDS APPROPRIATED.
ARIZONA.—Congress last week appropriated approximately $100,000 for Indian bureau expenditures in Southern Arizona, including $35,440 for a sanitorium on the San Xavier reservation and $25,510 for a hospital at Sacaton. Mayers, Murray & Phillip, New York City, are supervising architects for the Indian Service building program.

PROSPECTIVE BIDDERS
FORT STANTON, N. M.—The following contractors have procured plans for the purpose of submitting bids to the Treasury Department on March 14 for the construction of main hospital building, laundry and power plant at the U. S. Marine Hospital, Fort Stanton, N. M.: Dickie Constr. Co., Louderman Bldg., St. Louis, Mo.; Murch Brothers Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.

Federal Grant Rejected.
SERVICE BLDG. Cost, $56,000
SAN JOSE, Santa Clara Co., Cal.
County Hospital Grounds.
One-story reinforced concrete service building at Almshouse (tile roof, steam heating system, composition floors, etc.)
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Santa Clara County Supervisors rejected Federal grant of 30% of the $56,000. estimated cost of the project, but may proceed at a later date using their own funds.

Plans Completed.
WOMEN'S BLDG. Cost, $20,000
SACRAMENTO, Sacramento Co., Cal.
County Hospital Grounds.
One-story and basement concrete and brick addition to women's building at County Hospital.
Owner—City of Sacramento.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Plans will be filed with the PWA on February 26th for approval.

10— HOTELS

Work Started.
ALTERATIONS Cost, $——
VALLEJO, Solano Co., Cal. Virginia and Santa Clara Sts.
Alterations to hotel (new tile front, etc.)
Owner—Manx Hotel, Premises.
Architect—Not Given.
Contractor—George Barenchi, Vallejo.

Sub-Bids Being Taken.
REMODEL HOTEL Cost, $——
SAN FRANCISCO. Geary and Taylor Streets.
Extensive remodeling to hotel (new furnishings, plumbing, mechanical equipment, etc.)
Owner—Allied Properties (Clift Hotel) Allan Pollack, Manager.
Architect—G. Albert Lansburgh, 140 New Montgomery Street.
Contractor—Barrett & Hilp, 918 Harrison Street.
Sub-bids are being taken from a selected list of subcontractors on masonry, plumbing, heating, ventilating, electric and mill work.

Plumbing and Cement Bids Wanted.
ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Calif. 371 13th Street.
Alterations to hotel (work involves plumbing, gas heating, showers, painting, kalsomining, carpets.
Owner—St. George Hotel (J. F. Sipple), Oakland.
Architect—Not Given.
Plumbing and cement bids are being received by J. F. Sipple, St. George Hotel, 371 13th St., Oakland.

11—ICE AND COLD STORAGE PLANTS

Contract Awarded.
COLD STORAGE PLANT $8400
BERKELEY, Alameda Co., Cal. Campus of the University of California
Reconstruction of cold storage plant Hilgard Hall.
Owner—University of California.
Engineer—W. B. Reynolds, University of California, Berkeley.
Contractor — Western Engr. Co., 58 Main St., San Francisco.

12— POWER PLANTS

Sub-Contracts Awarded.
ICE PLANT Cost, $5000
ALAMEDA, Alameda Co., Calif. 1925 Lafayette Street.
One-story frame ice plant (3 rooms).
Owner—H. C. Hansen, 2814 35th Ave., Oakland.
Plans by Owner.
Contractor—P. R. Haulman, 1243 Broadway, Oakland.
Plumbing—A. R. Tanston, 2124 San Jose Ave., Alameda.
Roofing — Carnisa Bros., 1217 Central Ave., Alameda.
Redwood Fibre—Pacific Lumber Co., 100 Bush St., San Francisco.
Concrete—L. Scaramelli, 916 Broadway, Alameda.
Other awards reported Jan. 31.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Being Completed.
MEMORIAL Cost, $60,000
MONTEREY, Monterey County, Cal. Civic Center.
One-story adobe memorial building with two-story wing extension (to house city offices, jail, etc.), hand made tile roof.
Owner—City of Monterey.
Architect—W. O. Raiguel, Hotel Del Monte, Del Monte, and C. J. Ryland, Monterey.
Bids will be asked shortly.

Sub-Contracts Awarded.
ADDITION Cont. Price, $14,023.80
WATSONVILLE, Santa Cruz Co., Cal.
Reinforced concrete and structural steel addition to public library (40 by 60 ft.), composition and shingle roofing and remodeling present building.
Owner—City of Watsonville.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor — C. M. Norgrove, 2220 Roosevelt St., Berkeley.
Structural Steel—Schrader Iron Wks., San Francisco.
Lumber—Hayward Lumber Co., Watsonville.
Excavating and Concrete Work—Granite Constr. Co., Watsonville.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Sheet Metal Work—Watsonville Sheet Metal Works, Watsonville.
Plastering—Robert Orr, Watsonville. 2125) 1st report July 14, 1933; 12th Jan. 19, 1934.

BOND ELECTION DEFEATED.
PLACERVILLE, Eldorado Co., Cal. —City of Placerville defeated the bond election held February 14. Bonds were to have financed the construction of a two-story reinforced concrete auditorium in Placerville. Estimated cost of building was $25,000. W. E. Coffman, Forum Bldg., Sacramento, architect.

Contract Awarded.
SAN FRANCISCO, Cal. — Braas & Kuhn, 1917 Bryant St., at $4848 awarded contract by Department of Public Works for general construction of special wood finish display cases in the San Francisco Public Library, San Francisco.
Complete bids published Feb. 15.

Planned.
ADDITION Cost, $3000
HANFORD, Kings Co., Cal.
Addition to library (24x31 feet) and alterations to present structure.
Owner—City of Hanford (Frank Buckner, Member of Library Board).
Architect—Not Given.
Plans and specifications have been presented to the CWA for approval.

BIDS WANTED
SAN LEANDRO, Alameda Co., Cal. ——Until March 20, 10:30 A. M., bids will be received by the Alameda County Supervisors for furnishing and installing electrical fixtures for the Veterans' Memorial, San Leandro. Henry H. Meyers, Kohl Bldg., San Francisco, architect.

BOND ELECTION
OAKLAND, Alameda Co., Cal.—County of Alameda will vote bonds on

April 3 in the amount of $1,712,000 to finance construction of a new county courthouse to replace the present structure.

Plans Completed.
ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Plans will be filed with the PWA on February 23 for approval.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $6216
BURLINGAME PARK, San Mateo Co., Calif.
One-story frame and stucco residence.
Owner—Jack Pedenboy, Jr.
Architect—Grimes & Schoening, 235 Third Ave., San Mateo.
Contractor — Bert Norberg, 832 Morrell, Burlingame.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO. McLaren Avenue, Seacliff.
Two-story and basement frame and stucco residence (11 rooms and 4 baths), tile roof, warm air heating system, canvas walls, hardwood floors, tiled baths, etc.
Owner—Fred B. Moss.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—William Martin, 666 Mission St., San Francisco.

To Be Done By Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. E Twenty-fifth Ave 441 N Ocean Ave.
Two one-story and basement frame and stucco residences.
Owner and Builder—M. A. Little Co., 107 24th Ave., San Francisco.
Architect—E. E. Young, 2000 California St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. E Twent-fourth Ave. 40 S Ocean Avenue.
One-story and basement frame and stucco residence.
Owner—A. E. Hagen, 74 Beaver St., San Francisco.
Contractor—Leslie C. Dawes, 449 Coventry St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Chelton Drive, Piedmont Pines Tract.
Two-story frame and stucco residence (7 rooms and 3 baths) shake roof, gas hot air heating system, oak floors, tiled baths, etc.
Owner—L'Hommedieu, Inc., Henshaw Bldg., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3720 Elston Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, Foot of Ninth Ave., Oakland.
Furnace—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Sheet Metal—California Furnace Co., 4801 E-14th St., Oakland.
Roofing—M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Plumbing—William Rouse, 3606 Ardley Ave., Oakland.
Hardware and Fixtures — Maxwell Hardware Co., 1320 Washington St., Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 4000 Oakmore Road.
One-story frame and stucco residence (6 rooms), tile and composition roof, gas heating, hardwood floors, etc.
Owner—O. W. Johnson.
Architect—Not Given.
Contractor—Walter H. Anderson, 1014 Doris Court, Alameda.
Flooring—Ambrose Bros., 48th Ave., Oakland.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Fixtures and Hardware — Maxwell Hardware Co., 1320 Washington St., Oakland.
Millwork—Melrose Lumber & Supply Co., 1201 46th Ave., Oakland.

Sub-Contracts Awarded.
ALTER RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. No. 2910 Forest Avenue.
Alterations to frame residence (add entrance hall, closets, etc.)
Owner—N. L. McLaren, 2910 Forest Ave., Berkeley.
Architect—Not Given.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Electric—Berkeley Electric Co., 1987 Shattuck Ave., Berkeley.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Concrete Work—Axel A. Johnson, 1844 Channing Way, Berkeley.
Sub-bids are being taken on brick work for steps and walk.

Plans Being Completed.
RESIDENCE Cost, $——
SAN FRANCISCO. Marina Blvd. 100 E Webster Street.
Two-story and basement frame, stucco and stone residence (7 rooms and 3 baths) slate and flat roof, air conditioning system, tiled baths, hardwood floors and trim, etc.
Owner—Dr. Bernard A. Cody, 350 Bush Street.
Architect—Harvey E. Harris, 38 San Fernando Way.
Bids will be asked in about 1 week.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
CROCKETT, Contra Costa Co., Cal. Crockett Heights.
One-story frame and stucco residence (5 rooms), English style.
Owner—Glenn Markley, Crockett.
Architect—Not Given.
Contractor—Oscar A. Wickman, 1320 Albina Ave., Berkeley.
Tile—Brockhurst Tile Co., 2819 Shattuck Ave., Berkeley.
Hardwood Floors—A. Hellsten, 2210 Haste St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. 570 Chaucer Street.
Two - story and basement frame and stucco residence.
Owner—Helen B. Cooke.
Architect—Leslie Nichols, Palo Alto.
Contractor—E. J. Schmalling, 863 Melville Ave., Palo Alto.
Heating—C. E. Ashworth, Palo Alto.
Plastering—R. Alberson, Palo Alto.
Painting—Thomas & Stengal, Palo Alto.
Mill Work—Shopke & Burke, Mountain View.
Brick Work—A. Walker, Palo Alto.
Plumbing—W. Roeber, 7818 Hillside St., Oakland.
Oak Floors—F. Grunert, Redwood City
Electric—F. Dingman, Redwood City.
Tile Interior—Tanner Tile Co., Palo Alto.
Road Work—F. Felter, Palo Alto.
Dampproofing—Palo Alto Lumber and Roofing Co., Palo Alto.

Owner Taking Bids.
RESIDENCE Cost, $10,000
SAN MATEO, San Mateo Co., Cal. Bagwood Park, N Franklin St. 115 W Parrott Drive.
Two-story and basement frame and stucco residence (7 rooms and 2 baths); Spanish style, tile roof, hardwood floors, tiled baths, etc.
Owner—Mr. & Mrs. Arthur P. Shapro, Russ Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Bids are being received by the owner from a selected list of contractors.

Contract Awarded.
ALTER RESIDENCE Cost, $5000
SAN FRANCISCO. No. 699 Marina Blvd.
Alterations to residence.
Owner—Frank Ross, 699 Marina Blvd., San Francisco.
Architect—Not Given.
Contractor—G. H. Arthur, 666 Mission St., San Francisco.

Segregated Bids Being Taken.
RESIDENCE Cost, $12,500
WALNUT CREEK, Contra Costa Co.
Two - story steel and brick residence (17 rooms and 2 baths) steel joists and rafters, exterior and interior brick walls, cement mortar, etc.
Owner—Earl Barnett.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

To Ask New Bids.
RESIDENCE Cost, $——
SAN FRANCISCO. Mountain Spring Ave. W Twin Peaks Blvd.
Two-story and basement frame and brick veneer residence (7 rooms, 3 baths) tile roof, gas heating system, hardwood floors, tiled baths).
Owner—L. A. Bossana.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
Slight revisions will be made in the plans and new bids asked shortly.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. No. 1752 Leimert Blvd.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—Weldon H. Warren, 2802 Fruitvale Ave., Oakland.
Plans by Owner.

Contract Awarded.
RESIDENCES Cost, $10,000 each
PIEDMONT, Alameda Co., Cal. Piedmont Estates.
Two two-story frame and stucco residences (7 rooms each).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston St., Berkeley.

Sub-Contracts Awarded.
ALTER RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. York Drive.
Alterations to two-story frame residence.
Owner—Mrs. K. W. Archer, 933 Carmel St., Berkeley.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Lumber—Tilden Lbr. Co., foot of University Ave., Berkeley.
Steel Sash—Detroit Steel Prod. Co., 63rd and Doyle Sts., Emeryville.
Plumbing—J. Suendermann, 921 University Ave., Berkeley.
Concrete—A. A. Johnson, 1280 Monterey Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $4500
SAN JOSE, Santa Clara Co., Cal. No.

1550 Emory Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—R. L. Vincent.
Architect—Not Given.
Contractor—Harry A. Knight, Mountain View.

Bids Opened.
RESIDENCE Cost, $——
MOUNTAIN VIEW, Santa Clara Co., Calif.
One - story and basement frame and stucco residence (6 rooms and 2 baths) terra cotta tile roof, hot air gas heating system, hardwood floors, tiled baths, etc.
Owner—Arnold Armanini, Mt. View.
Architect—Louis Mastropasqua, 580 Washington St., San Francisco.
Low Bidder—A. N. True, Mt. View.
Following bids received:

A. N. True, Mt. View	$7,830
Vance Brown, Palo Alto	8,172
E. Anderson, Mt. View	8,235
P. Gibson, Mt. View	8,344
C. C. Taylor, Mt. View	8,461
H. C. Stewart, Menlo Park	8,750
C. A. Pellymounter, Mt. View	9,250
Geo. Honore, San Jose	9,580
Carl Lindholm, Mt. View	10,138

Bids held under advisement.

Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. No. 25 Oakvale Road.
Two-story and basement frame and stucco residence (8 rooms and 3 baths); shingle roof, drop siding exterior, gas hot air heating system, hardwood floors, tile baths, etc.
Owner—F. J. Reagan.
Architect—Houghton Sawyer, Howden Bldg., Oakland.
Carpentry—F. K. Du Puy, 110 Sutter St., San Francisco.
Concrete—J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Electric — Scott-Buttner Electric Co., 19 Grand Ave., Oakland.
Plumbing—Scott Co., 113 10th Street, Oakland.
Painting—Lake Decorating Co., 2349 Waverly St., Oakland.
Lath and Plaster — Wm. Makin, 354 Hobart St., Oakland.
Hardware — Maxwell Hardware Co., 14th and Washington Sts., Oakland
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
Hardwood Floors—Inlaid Floor Co., 200 Alabama St., San Francisco.
Following bids submitted for the carpentry work:

F. K. Du Puy	$ 7,797
T. D. Courtright	7,989
A. Cederborg	8,724
W. G. Thornally	9,028
G. J. Maurer	9,187
F. C. Stolte	9,300
Chas. Stockholm & Son	11,980

Contract Awarded.
RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. No. 666 S-Thirteenth St.
One-story and basement frame and stucco residence (5 rooms).
Owner—John Figone, 704 S-12th St., San Jose.
Architect—Not Given.
Contractor—G. Galotto, 233 W. St. James St., San Jose.

Contract Awarded.
RESIDENCE Cost, $1500
ALAMEDA, Alameda Co., Cal. No. 2037½ Clinton Avenue.
One-story frame and stucco residence (3 rooms).
Owner—Minnie Hadley, 2037 Clinton Ave., Alameda.
Architect—Plans by Owner.
Contractor — Erickson & Borg, 2221 Buena Vista Ave., Alameda.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $12,000
SAN RAMON HEIGHTS, Walnut Creek, Contra Costa Co., Cal.
Two-story and basement frame California Colonial style residence (10 rooms and 3 baths) 2-car garage; shingle roof, brick, tile and wood exterior, steel sash, oak plank floors, oil hot air heating system, electric refrigeration, etc.
Owner—R. W. Lowe.
Architect—Edwin L. Snyder, 2101 Addison St., Berkeley.
Contractor—Alfred Petersen, 3918 Linwood Ave., Oakland.
Concrete—Nick Lindstrom, 2940 Ellis St., Berkeley.
Furnace—California Furnace Co., 4801 E-14th St., Oakland.
Hardwood Floors—Edward C. Matson
Electric—Kerr & Clifford, 3626 E-14th St., Oakland.

Additional Sub-Contracts Awarded.
ALTERATIONS Cont. Price, $53,200
HILLSBOROUGH, San Mateo Co., Cal. Easton Drive.
Alterations and additions to two-story and basement frame residence (add rooms, new plumbing, heating, wiring, mill work, etc.)
Owner—Paul I. Fagan, Hillsborough.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.
Mill Work—Pacific Manufacturing Co., Santa Clara.
Painting—Raphael Co., 270 Tehama St., San Francisco.
Other awards reported January 25.

Plans Being Completed.
RESIDENCE Cost, $12,500
WALNUT CREEK, Contra Costa Co.
Two-story steel and brick residence (17 rooms and 2 baths) steel joists and rafters, exterior and interior brick walls, cement mortar, etc.
Owner—Earl Barnett.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Segregated bids will be taken within one week.

To Ask Bids Within One Week.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Stonewall Road.
Two-story and basement frame and stucco residence (9 rooms and 3 baths) shake roof, oil heating system, hardwood floors and trim, electric refrigeration.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contract Awarded.
ADDITION Cost, $2500
PALO ALTO, Santa Clara Co., Cal. No. 1178 Hamilton Avenue.
Addition to frame residence (add two bedrooms and one bath).
Owner—M. F. Hopper, Premises.
Plans by E. Reichel, 532 Emerson St., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

Contract Awarded.
RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story and basement frame, brick veneer, stucco residence (8 rooms and 3 baths) split shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Owner—Dr. S. B. Randall.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—C. M. Doane, 176 Garfield St., Santa Cruz.

Sub-Contracts Awarded.
RESIDENCE Cost, $7986
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence.
Owner—Geo. F. Reiter, 15 Humphrey Place, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland.
Rough Lumber—Smith Lumber Co., 19th Ave. and Estuary, Oakland.
Concrete — Triberti & Massero, 884 43rd St., Oakland.
Mill Work—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Plumbing—J. R. Pierce, 1844 73rd Ave., Oakland.
Sheet Metal & Heating—M. C. Henry, 1183 53rd St., Oakland.
Tile Work—Rigney Tile Co., 3012 Harrison St., Oakland.
Painting—Blomgren Bros., 1927 Russell St., Berkeley.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Glass and Glazing — W. P. Fuller & Co., 259 Tenth St., Oakland.
Plastering—Arthur Moore, 526 57th St., Oakland.
Electric Wiring—E. L. Reed, 3515 Porter St., Oakland.

Contractor—G. C. Walker, 437 Cor-
February 19, 1934

Additional Sub Contracts Awarded.
RESIDENCE Cost, $3000
OAKLAND, Alameda Co., Cal. No. 6100 Thornhill Drive.
One-story frame and stucco residence (5 rooms).
Owner—George R. Thorning.
Architect—Not Given.
Contractor — J. F. Altermatt, 6233 Grown Ave., Oakland.
Sheet Metal—Granholt Sheet Metal Co. 921 University Ave., Berkeley.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Other awards reported Feb. 2nd.

Contract Awarded.
REMODEL RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Calif. 401 Hampton Road.
Alterations and additions to residence (add ballroom, etc.)
Owner—William Cavalier.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—A. Cederborg, 1045 Excelsior Ave., Piedmont.

Contract Awarded.
RESIDENCE Cost, $6,643
HAYWARD, Alameda Co., Calif.
Two-story frame and stucco residence (17 rooms) Monterey-Colonial type
Owner—Joseph Adreu.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—A. Holyoake, East Avenue Hayward.

Sub-Contracts Awarded.
RESIDENCE Cost, $15,000
SAN ANSELMO, Marin Co., Calif.
Two - story and basement frame and stucco residence (10 rooms and 3 baths) modernistic type, composition roof, wood and stucco exterior, oil burner, warm air heating system, tile baths, etc.
Owner—Dr. Mary H. Layman, Stanford University Hospital, S. F.
Architect—Hervey P. Clark, 210 Post St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.
Plumbing—W. G. Goggins, San Rafael.
Electric—H. E. Petersen, Corte Madera.
Mill Work—Pacific Mfg. Co., Santa Clara.

Contract Awarded.
RESIDENCE Cost, $3500
SAN JOSE, Santa Clara County, Cal. Shafter Avenue.

Two-story and basement frame and brick veneer residence (7 rooms and breakfast room, 2 baths) tile roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Withheld.
Architect—Wm. E. Higgins, 19 N. Second St., San Jose.
Contractor—N. J. Nielsen, 1270 Iris Court, San Jose.

Plans Being Completed.
RESIDENCE Cost, $9000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (8 rooms and 2 baths); shingle roof, gas heating system, steel sash, hardwood floors tiled baths, etc.
Owner—Withheld.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Bids will be asked in about one week.

Plans Being Prepared.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement wood frame and shake exterior residence (9 rooms and 4 btths); shingle roof, gas heating system, tiled baths, hardwood floors, etc. (Colonial type).
Owner—Withheld.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Plans will be completed in one week and work will be done on a day's labor basis.

Contract Awarded.
RESIDENCES Cost, $——
OAKLAND, Alameda Co., Calif. 6116 and 6124 Merriewood Drive.
Two one-story frame and stucco residence (one 4-room and one 5-room).
Owner — Syndicate Merriewood Company, American Bldg., Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
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Sub-Contracts Awarded.
RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Calif. 1816 Leimert Blvd.
Two - story and basement frame and stucco residence (seven rooms) tile roof, gas hot air heating system, steel sash, ornamental iron, etc.
Owner and Builder—David Kesti, 2217 Browning St., Berkeley.
Architect—Not Given.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.
Millwork—Pacific Mfg. Co., 1315 7th St., Oakland.
Concrete—Louis Lovisone, 5506 Baudry St., Emeryville.
Plumbing—Suendermann Plbg. Co., 921 University Ave., Berkeley.
Plastering—John Sherman, 2407 9th St., Oakland.

Preparing Working Drawings.
RESIDENCE Cost, $9000
SAN FRANCISCO. Magellan Avenue.
Two-story brick and frame residence (7 rooms and 3 baths) detached garage; composition shingle roof, gas hot air heating system, tiled baths, hardwood floors, etc.
Owner—Withheld.
Architect—Harvey E. Harris, 38 San Fernando Way.

Contract Awarded.
RESIDENCE Cost, $4000
FRESNO, Fresno Co., Calif. 620 Yosemite Street.
One - story and basement frame and stucco residence.
Owner—Harry Powers, Mattei Building, Fresno.
Architect—Not Given.
nell Ave., Fresno.

15— SCHOOLS

Specifications Being Written.
REPAIR SCHOOL Cost, $13,500
SAN FRANCISCO. Bayview School.
Repairs to school building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St.
Upon completion of specifications plans will be forwarded to the city hall for approval.

Preparing Working Drawings.
ADDITION Cost,$8500
CHOWCHILLA, Madera Co., Cal.
One-story concrete addition to high school (add music room); tile roof.
Owner—Chowchilla Union High School District (Mrs. George W. Hier, Clerk).
Architect — Howard Bissell, 327 E. Channel St., Stoskton.
Plans will be forwarded to Sacramento for approval in one week and upon approval work will be done by day's labor under the CWA.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 850 N. Second St.
Alterations to interior of school.
Owner—San Jose School Department.
Plans by Owner.
Work will be done by day's labor under the CWA.

BOND ELECTION
TULARE, Cal.—Tulare High School District is holding an election on March 10 to vote bonds in the amount of $110,000 to finance construction of a new auditorium at the High School. Public Works Administration will be asked for an outright grant of $32,000 to assist in financing.

Plans Being Completed.
HIGH SCHOOL Cost, $60,000
COVELO, Mendocino Co., Sal.
Three one-story high school buildings (6 class-room academic buildings, frame construction, reinforced concrete gymnasium and frame shop) built-up composition roofing, steam heating system to connect grammar school.
Owner — Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).
Architect — Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be completed in about two weeks.
Bonds in the amount of $28,000 were voted on February 2 to assist in financing the construction. Public Works Administration approved the loan of $32,000.

Plans Being Prepared.
SCHOOL Cost, $9000
CRESCENT CITY, Del Norte Co., Cal.
One-story school building (log construction), 2 classrooms.
Owner—Gasquet School District.
Architect—Norman Coulter, 46 Kearny St., San Francisco.
Work will probably be done by day's labor under the CWA.

Reinforcing Steel Contract Awarded.
SCHOOL Cost, $25,000
RICHMOND, Contra Costa Co., Cal.
Rebuilding & reinforcement of Roosevelt Junior High School, work involves steel girders, new entrances concrete stairways, etc.
Owner—Richmond Union High School District.
Architect—Louis Stone, 98 Ramona St., Piedmont and 354 Hobart St., Oakland.
Inspector—E. J. Freethy, 1301 Roosevelt Ave., Richmond.

Reinforcing Steel—McGrath Steel Co., 2059 Webster St., Oakland, at $2306
As previously reported structural steel contract awarded to Schrader Iron Works, 1247 Harrison St., San Francisco, at $17,691.

Plans Being Revised.
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Revised plans will be campleted in one week.

Plans Being Completed.
REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert St., bet. Jones and Taylor Streets.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and Counay of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Plans will be completed in one week and forwarded to Sacramento for approval.

Bids Wanted — To Close March 7, 8 P. M.
IMPROVE SCHOOL Cost, $10,000
HAYWARD, Alameda Co., Cal.
Revamp girls' dressing room, etc., in Hayward High School (work involves adding 54 shower rooms, 90 dressing rooms, 720 12x12-in. box lockers and 180 12x12x48-in. street lockers.
Owner—Hayward Union High School District.
Architect — Henry Smith, Humboldt Bank Bldg., San Francisco.
Plans available from the office of the School District and from the Architect's Office upon deposit of $5.

BOND ELECTION PLANNED
CLOVERDALE, Sonoma Co., Cal.—Cloverdale High School District is contemplating holding an election shortly to vote bonds in the amount of $28,000 to finance construction of a one-story frame and stucco school building to contain six classrooms, gymnasium and auditorium. If bonds are voted an application will be filed with the Public Works Administration for additional funds to finance construction. Total estimated cost of the building is $40,000. Architect not yet selected.

Preliminary Plans Being Completed.
SCHOOL Cost, $110,000
MARIPOSA, Mariposa Co., Calif.
One and two-story reinforced concrete high school (5 classrooms, auditorium to seat 300, bookkeeping room, science room, etc.); tile roof, steam heating system, etc.
Owner—Mariposa County High School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.
Preliminary plans will be completed in about one week and submitted for approval.

ASK FEDERAL AID
ARLINGTON DISTRICT, Ariz.—Arlington School District No. 27, Arizona, has applied to the Public Works Administration in Phoenix for a loan of $42,361 and a grant of $11,720 for building and moving school buildings and other improvement work in the district.

PLANNED.
SALT LAKE CITY, Utah. — Residents of the Granite School District are contemplating filing an application with the Public Works Administration

for a loan of $626,500 to finance construction of new schools and improvements to present structures in the Ganite School District.

PLANNED.

LODI, San Joaquin Co., Cal.—Houston School District is contemplating the erection of a new school building in Lodi, at a cost of $60,000. If plan is approved it is proposed to hold an election to vote bonds to finance construction.

TO MAKE SURVEY.

GRIDLEY, Butte Co., Cal.—Gridley Elementary School District has commissioned Architect Geo. Sellon, California State Life Bldg., Sacramento, to make a survey of the schools in Gridley to determine their safety and report on necessary improvements.

SURVEY UNDER WAY.

CROCKETT, Contra Costa Co., Cal. —Engineers H. D. Dewell and A. W. Earl, 55 Montgomery St., San Francisco, have started the survey of the schools in Crockett to determine their safety and report on the necessary improvements.

BOND ELECTION PLANNED.

RIPON, San Joaquin Co., Calif.—Ripon Junior-Senior High School District is contemplating holding an electon shortly in the amount of $32,000 to finance construction of an auditorium and gymnasium in Ripon. If bonds are voted application will be filed with the PWA to assist in financng construction.

Preparing Working Drawings.

SCHOOL Cost, $15,000
HAYFORK, Trinity Co., Calif.
One-story wood frame grammar school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayfork Union School Dist.
Architect—Jens Petersen, 826 26th St. Sacramento.
Bids will be asked in about 2 weeks.

BIDS WANTED.

YUBA CITY, Sutter Co., Cal.—Until March 10, 10 A. M., bids will be received by George F. Alge, Supt. of Schools, for school supplies for Sutter County. Specifications available from above office.

ASK FEDERAL AID.

COLTON, San Bernardino Co., Cal. —Colton High School District will apply to the Public Works Administration shortly for loans aggregating $33-000, to be used with $15,000 on hand, for financing the construction of the proposed high school gymnasium in Colton. Edward C. Parke, Fuller Bldg. San Bernardino, architect.

BOND ELECTION

BARSTOW, San Bernardino Co., Cal.—Barstow Union High School District will hold an election on March 30, at which time it is proposed to vote bonds in the sum of $85,750, to be used with an additional 30 per cent that will be requested of the government, for financing the construction of new high school buildings in Barstow. Howard E. Jones, 518 Andreson Bldg., San Bernardino, architect.

PLANNED.

LAGUNA BEACH, Orange Co., Cal. —Laguna Beach board of education is considering plans submitted by Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, for a high school plant at Laguna Beach. The plans propose the erection of new buildings to cost between $90,000 and $100,000 or utilizing the present grammar school buildings, with additions, to cost approximately $20,000.

PLANNED.

LOS ANGELES, Cal.—Los Angeles board of education has commissioned the architectural division of the board to prepare architectural plans for earthquake strengthening at the Liberty Boulevard school, 2728 Liberty Blvd. Structural engineering plans are being prepared by W. M. Bostock, structural engineer, 6723 Passaic, Huntington Park. Cost, $34,869.

Plans Being Prepared.

SCHOOL Cost, $12,000
MARIPOSA, Mariposa Co., Cal.
One-story frame and stucco elementary school (3 classrooms).
Owner—Mariposa Elementary School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.

Preparing Sketches.

SHOP AND GYM. Cost, $32,000
RIPON, San Joaquin Co., Cal.
One-story frame and stucco gymnasium and shop building.
Owner — Ripon Junior-Senior High School District.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
An election will be held shortly to vote bonds in the amount of $32,000 to finance construction.

PLANNED.

MONROVIA, Los Angeles Co., Cal. —Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, have submitted to the Monrovia City School District preliminary estimates of the cost of reconstructing grammar school buildings in Monrovia. The estimates follow: Orange Ave. school, to be rebuilt, $83,000; Wild Rose school, reconstructed, $55,000; Huntington school, reconstructed, $60,000; Santa Fe school, strengthened, $1000; Mayflower school, strengthened, $1000. The estimated cost of reconstructing the Ivy Ave. school, which is the property of the high school district, is $90,000. In addition to the above costs, it is estimated that demolition work will cost approximately $10,000. Application will be made for CWA funds to finance the work which, if granted, will probably be supplemented by additional funds to be provided by a bond issue.

AWARD.

LONG BEACH, Cal.—Fred Tucker, 913 Olive Ave., Long Beach, awarded contract for repairing Saint Anthony's high school, located at the corner of Olive Ave. and 6th St., Long Beach, for the Roman Catholic Bishop of Los Angeles and San Diego. Plans were prepared by Engineer L. J. Waller, 257 S Berendo St., Los Angeles. Work will consist of reinf. concrete beams and columns, gunite on exterior brick walls and interior tile partitions, new reinforced concrete partitions, plastering, painting, etc.

COMMISSIONED TO PREPARE PLANS.

HUNTINGTON PARK, Los Angeles Co., Cal.—The Los Angeles board of education has commissioned Architect George M. Lindsey, 609 Union Insurance Bldg., to prepare architectural plans for reconstruction, rehabilitation and strengthening the following buildings at the Huntington Park high school site: liberal arts, practical arts, annex, power plant, boys' swimming pool and gymnasium, girls' gymnasium, auditorium and the manual arts building. Murray Erick, structural engineer, 811 W 7th St., is preparing engineering plans for strengthening, etc. of the following buildings: Liberal arts, practical arts, annex, power plant, boys swimming pool and gym and girls' gym. Structural engineering plans for the auditorium and manual training buildings are being prepared by the architectural division of the board. Cost, $420,168.

PLANNED.

LOS ANGELES, Cal.—Los Angeles board of education has authorized the architectural division of the board to prepare architectural drawings for earthquake strengthening at the San Gabriel Avenue school, 8628 San Gabriel Ave., South Gate. Structural engineering plans are being prepared by W. M. Bostock, structural engineer, 6723 Passaic, Huntington Park. Cost, $28,000.

Plans Being Completed.

REPAIR SCHOOL Cost, $51,144
SAN FRANCISCO. Jackson St. bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
Plans will be completed in about 2 weeks.

Plans Completed.

SHOP Cost, $10,000
CLARKSBURG, Yolo Co., Calif.
One-story frame shop building (concrete floors, flat roof, etc.)
Owner—Clarksburg High School Dist.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.
Bids will be asked shortly.

BONDS DEFEATED.

GLENDALE, Los Angeles Co., Cal. —Glendale defeated proposal to issue bonds in the amount of $1,253,000 to finance construction of new schools and improvements to others in Glendale to meet State earthquake-proof standards.

MATERIAL BIDS WANTED

MODESTO, Stanislaus Co., Cal.—Until March 7, 11 A. M., bids will be received by E. D. Abbott, Secretary, Modesto City School District, for furnishing building materials to the site of the Modesto Junior College, for the construction of a one-story concrete and brick library at the Junior College, estimated to cost $45,000. J. J. Donovan, 950 Parker St., Berkeley, architect. Matcrials wanted as follows:

(1) 30,000 to 120,000 bd. ft. of lumber;
(2) 1000 to 10,000 sacks cement; plastic (94 lbs. per sack);
(3) Structural steel plates, bolts, etc.; including basement and first floor;
(4) Approximately 2000 cu. yds. rock and sand;
(5) Electrical, plumbing, gas and steam materials necessary to be installed before concrete work, including basement and first floor.

Specifications and plans on file in the office of the Board of Education, Capitol School Bldg., 14th St., bet. H and I Sts., Modesto.

Work will be done on a dey's labor basis under the CWA.

BONDS VOTED

ROSEVILLE, Placer Co., Cal.—Roseville Elementary School District voted bonds in the amount of $80,000 to finance construction of a new elementary school building and alterations and additions to two elementary school buildings in Roseville. Charles Dean, California State Life Bldg., Sacramento, architect.

CONTRACT AWARDED

SAN FRANCISCO — Square Deal Floor Co., 3223 Broderick St., at $79 awarded contract by Department of Public Works for sanding floor areas of hallways, principal's office and lunch room at the Fremont School.

Sub-Contracts Awarded.
EDUCATIONAL BLDG. Cost, $40,000
BERKELEY, Alameda Co., Cal. Dana St. and Bancroft Way.
Two-story Class C educational bldg. (25 classrooms) concrete outside wall, asbestos shingle roof, steam heating system, wood floors, etc.
Owner—Trinity Methodist Church.
Architect—George Rushforth, 21 San Mateo St., Berkeley.
Engineer—H. D. Dewell, 55 New Montgomery St., San Francisco.
Contractor—E. T. Leiter & Son, 811 37th St., Oakland, at $32,387.
Concrete — J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Structural Steel—Judson-Pacific Co., Foot Park Ave., Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Mill Work—Oakland Planing Mill, 2nd and Washington Sts., Oakland.
Blackboards—R. King.
Steel Sash—East Bay Glass Co., 621 Sixth St., Oakland.
Glass—W. P. Fuller & Co., 259 Tenth St., Oakland.
Hardware — Maxwell Hardware Co., 1320 Washington St., Oakland.
Roofing — Western Roofing Co., 24th and Poplar Sts., Oakland.
Plumbing—Scott Co., 113 Tenth St., Oakland.
Plastering—C. H. Burnett, 865 32nd St., Oakland.
As previously reported, excavation awarded to Ariss Knapp Co., 861 41st St., Oakland; heating to Scott Co., 113 10th St., at $2000.

Sub-Bids Being Taken.
ADDITION Cont. Price, $27,740
AVENAL, Kings Co., Calif.
Brick addition to elementary school building (3 classrooms, basement with cafeteria & lunch room, etc.)
Owner—Reef - Sunset School Dist. (C. B. Kimberlin, clerk).
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.

Planned.
GYMNASIUM Cost, $——
WATSONVILLE, Santa Cruz Co., Cal.
Construct new gymnasium for high school.
Owner — Watsonville Union High School District.
Architect—To Be Selected.
Architects W. H. and Harold Weeks, 525 Market St., San Francisco, submitted sketches to the School Disrict.

Preparing Plans.
ADDITION Cost, $10,000
RIO LINDA, Sacramento Co., Cal.
One-story frame and stucco addition to elementary school (add three classrooms).
Owner—Rio Linda Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.

PLANNED
NEVADA CITY, Nevada Co., Cal.—Nevada City School District is considering the construction of a new grammar and high school in Nevada City. If projects are approved a bond election will be called. P. G. Scadden, is secretary of the board. Building committee consists of E. M. Rector, Mayor R. J. Bennetts and Arthur W Hoge.

Lumber Contract Awarded.
DORMITORIES Cost, $300 000
PALO ALTO, Santa Clara Co., Cal. Campus of Stanford University (Lagunita Court).
Group of two-story frame and stucco buildings (four dormitories accommodeting 50 women) two dining rooms, large kitchen, administration building and servants' quarters; tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architect — John Bakewell Jr., and Arthur Brown Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Constr.—George Wagner, 181 South Park, San Francisco.
Lumber — Merner Lumber Co., 795 State Highway, Palo Alto.
Sub-bids on all portions of the work will be taken in ten days by George Wagner.

Plans Completed.
SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Broadway, bet. Powell and Mason Sts.
Repairs and reconstruction of school building (Jean Parker School).
Owner — City and County of San Francisco.
Architect and Engineer—W. P. Day, Financial Center Bldg., S. F.
Upon approval of plans bids will be asked.

16—BANKS, STORES AND OFFICES

scheduled to start April 1.

PLANS BEING PREPARED
NEWPORT BEACH, Orange Co., Cal.—Mrs. Mary McCullough, Mira Mar Drive, Newport Beach, is having plans prepared for a building to be erected on the site of the Green Dragon cafe on Balboa peninsula. It will be a two-story reinforced concrete structure, 61x80 feet in area, with store rooms and a cafe on the ground floor and offices and a dance hall on the second floor. Construction is

February 21, 1934

Plans Being Completed.
ADDITION Cost, $——
ALAMEDA, Alameda Co., Cal. Foot of Paru Street.
Additions to terminal (dock and warehouse, 300x700 ft.) spur tracks, concrete piling, etc.
Owner — Alaska Packers Assn., 111 California St., San Francisco.
Engineer—Philip Bush, % California Packing Corp., 101 California St., San Francsico.

Carpentry Contract Awarded.
STORE Cost, $4000
SAN FRANCISCO. 55 Fifth Street.
Alterations to store.
Owner—Leader Dairy Lunch, Inc., 55 Fifth Street.
Architect—Not Given.
Contractor—Unit - Built Fixture Co., 963 Harrison St.
Carpentry—J. B. Petersen, 4021 Agua Vista Ave., Oakland.

Sub-Contracts Awarded.
STORE Cost, $——
SAN JOSE, Santa Clara Co., Cal. No. 160-164 S-First Street.
one-story and basement fireproof store building (51x275 feet); concrete and steel construction.
Owner — Montgomery Ward & Co., Oakland.
Plans by Engineering Dept. of Owner.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Wrecking—San Jose Wrecking Co., 184 Stockton St., San Jose.
Excavation — Earl W. Heple, Cherry Flat Dam, San Jose.
Concrete Materials—Bright Gravel Co., Senter Road, San Jose.
Asphalt and Rubber Tile—D. A. Pancoast, 26 O'Farrell St., San Francisco.
Tiling—Simpson Tile Co., 46 W-Julian St., San Jose.
Mill Work — Pacific Mfg. Co., Santa Clara.

As previously reported, plumbing, heating and ventilating awarded to A. J. Peters & Son, 455 Washington St., San Jose, at $8193.

BIDS OPENED
SAN FRANCISCO—McCormick Supply Co., 461 Market St. at $350 submitted low bid to Department of Public Works for acoustical treatment of the meeing room of the Board of Education. Work involves acoustical tile to be acousti-celotex cane fibre tile, type triple B-1, ½-in. thick, 12x12 in. Sanecoustic tile. Following bids received:
McCormick Supply Co. $350
Acoustical Engineering Co. 430
Alternate 660
Van Fleet Freear Co. 958
Bids held under advisement.

Contract Awarded.
STORE Cost, $7895
SAN FRANCISCO. Chestnut St. near Pierce St.
One-story reinforced concrete store building (30x110 ft.)
Owner—C. O. Ovozzini.
Architect —Hyman & Appleton, 68 Post St., San Francisco.
Contractor—DeLuca & Son, Inc., 1745 Filbert St., San Francisco.

Contract Awarded.
ALTER STORE Cost, $1400
SAN FRANCISCO. No. 1835 Polk St.
Alterations to store building.
Owner—Bothin Realty Co., 604 Mission St., San Francisco.
Architect—Not Given.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.

Sub-Contracts Awarded.
ALTERATIONS Cost, $30,000
OAKLAND, Alameda Co., Calif. 1311 Washington Street.
Alterations to store building.
Owner—Zukors Dress Shop, premises.
Architect—McClelland & Jones, Seattle
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Glass—East Bay Glass Co., 621 6th St. Oakland.
Marble—Eisele & Dondero, 2895 Third St., San Francisco.
Mill Work—Lannom Bros. Mfg. Co., 5th and Magnolia, Oakland.
Electric—Canyon Electric Company.

Contract Awarded.
REMODEL BLDG. Cost, $——
WATSONVILLE, Santa Cruz Co., Cal. Wall Street.
Alterations to two-story building (new front, interior improvements, etc.)
Owner—M. F. Cooper, Watsonville.
Architect—Not Given.
Contractor—Friend & Resh, Watsonville.

Contract Awarded.
STORE Cost, $5000
SAN FRANCISCO. W Third St., 100 S Sixteenth St.
One-story frame and stucco store building.
Owner—Steve Aimo, 1072 Gilman St., San Francisco.
Engineer—James McFarland, 710 47th Ave., San Francisco.
Contractor — James McFarland, 710 47th Ave., San Francisco.

AWARD.
LOS ANGELES, Cal.—H. E. Shugart Co., 7470 Santa Monica Blvd., awarded contract for acoustical treatment of 28,000 sq. ft. of surface in the new building under construction at First and Spring Sts. fo the Times-Mirror Co.; P. J. Walker Co., managers of construction; E. V. Fallgren, plastering contractor; G. B. Kaufmann, architect. Shugart company has also been awarded a contract for acoustical treatment of dome on the

planetarium under construction in Griffith Park; Wm. Simpson Const. Co., general contractor; John C. Austin and Frederic M. Ashley, architects.

Excavation Started.
ALTERATIONS Cost, $15,000
SAN FRANCISCO. No. 1025 Columbus Avenue.
Alterations and additions to cafe (concrete work, painting, etc.)
Owner—Bal Tabarin Cafe, Premises.
Architect—Miller & Pflueger, 580 Market St., San Francisco.
Contractor — Julius Martinelli, 666 Mission St., San Francisco.
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FIRE LOSS.
SACRAMENTO, Cal.—Fire destroyed the Miramar Sea Food Grotto at 725 K Street February 14. Damage estimated at $10,000. Charles Zqyer, proprietor.

Contract Awarded.
ALTERATIONS Cont. Price, $1,344.87
SAN FRANCISCO. 650 Second Street.
Alterations to building (office installation on first and mezzanine floor)
Owner — Hiram Walker, Inc. (H. C. Hatch) Mark Hopkins Hotel.
Engineer—Jesse Rosenwald, 525 Market Street.
Contractor—Theo. Cohn, 645 Second St.
Contract includes carpentry work, hardware, electrical fixtures, painting, glass, etc.

Contract Awarded.
ALTERATIONS Cost, $5000
FRESNO, Fresno Co., Cal. No. 1117 N Street.
Alterations and additions to building for distribution plant.
Owner—Mrs. Lena Antich, Fresno.
Architect—Chas. Eutner, 51 Maple St., Salinas, and Cohy Bldg., Fresno.
Lessee—General Electric Co., Russ Bldg., San Francisco (F. C. Stodt, Manager).
Contractor—R. Petersen, Premises.

SKETCHES PREPARED
LOS ANGELES, Cal. — Architect Harry B. Aarens, 7046 Hollywood Blvd., has prepar d sketches for a 4-story and basement commercial building to be built at Highland and Hawthorne Aves. for Max Factor. Cost, $400,000.

Electrical Contract Awarded.
AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 405 W-Santa Clara Street.
One-story reinforced concrete automobile building (107x20 feet) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin.
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.
Electric—Schutte Bros., 37 Fountain St., San Jose.
Other awards reported February 3.

Contract Awarded.
ALTER STORE Cost, $3000
SAN FRANCISCO. No. 979 Market Street.
Alterations to store building.
Owner—A. Rubin, 49 Fourth St., San Francisco.
Architect—Not Given.
Contractor—Antone Petersen, 2758 San Bruno Ave., San Francisco.

CONTRACT AWARDED.
SAN FRANCISCO. — Southern Pacific Co., 65 Market St., awarded contract to the Westinghouse Electric Elevator Co., 166 7th St., at $2,070 for repairs to elevators 4, 5, 6, 8 and 13 at the Grocers' Terminal Building, Third and Channel Sts.

Contract Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. NE 15th and Franklin Streets.
Alterations to store (re-decorating, show window work, etc.)
Owner — Arthur Young ("Typewriter Guy").
Architect—Not Given.
Contractor—Mark Bristol & Co., Inc., 1038 McKinley Ave., Oakland.

Terra Cotta Contract Awarded.
STORES AND OFFICES Cost, $——
SAN FRANCISCO. Sixteenth St. bet. Mission and Valencia Streets.
Two-story, basement and mezzanine floor Class A steel frame and reinforced concrete stores and offices (two stores, 14 offices) asphalt and gravel roof, steam heating system, ventilating, electrical work, wood and tile floors, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, architects and engineers, Phelan Building.
Contractor—H. L. Petersen, 731 Treat Ave., at $16,956.
Terra Cotta—N. Clark & Son, 116 Natoma Street.
Other awards reported Jan. 25.

Sub-Contracts Awarded.
STORE Cost, $——
SAN JOSE, Santa Clara Co., Cal. No. 160-164 S-First Street.
One-story and basement fireproof store building (51x275 feet); concrete and steel construction.
Owner — Montgomery Ward & Co., Oakland.
Plans by Engineering Dept. of Owner.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Plumbing, Heating and Ventilating—A. J. Peters & Son, 455 Washington St., San Jose, at $8193.
Other awards will be made shortly.

Contract Awarded.
ALTERATIONS Cost, $5500
SAN FRANCISCO. SW Grant Ave. and California St.
Alterations to frame store building (3 stores).
Owner — H. G. MacVine, 742 Market St., San Francisco.
Architect—Not Given.
Contractor—Peter Sartorio, 681 Market St., San Francisco.

Contract Awarded.
IMPROVE BLDG. Cost, $8600
FRESNO, Fresno Co., Cal. NE Broadway and Fresno St.
Improvements to building (change fronts, alter second floor, etc.)
Owner — Security First National Bank
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. N California St. 112 W Hyde St.
Alterations to garage for stores.
Owner—Fazio & Molinari, 1416 California St., San Francisco.
Architect—Not Given.
Contractor—F. Houweling, 830 Prague St., San Francisco.

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CONTRACT AWARDED
GYMNASIUM Cost, $58,900
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced conc. and brick veneer gymnasium (171x235) reinf. concrete walls (separate glym. for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean) Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
(1) main bid;
(2) job complete, excepting brick work cast cement and heating;
(3) job complete, excepting concrete, cement, waterproofing, boiler room walls and floors, structural steel, rough hardware, iron, carpentry, including lumber, mill work, installation of finish hardware, glass and glazing;
(4) omitting bleachers (deduct);
(5) substituting metal for plaster partitions in shower rooms (ded.);
(6) brick flue in place of asbestos.

Young & Horstmeyer, S. F.	(1)	$58,900
	(2)	37,800
	(3)	21,600
	(4)	587
	(5)	478
	add (6)	35
C. L. Wold, S. F.	(1)	59,907
	(2)	37,970
	(3)	21,937
	(4)	537
	(5)	446
	deduct (6)	10
Deluca & Son, S. F.	(1)	63,570
	(2)	42,380
	(3)	21,671
	(4)	620
	(5)	675
	add (6)	125
Wm. Spivock, S. F.	(1)	64,500
	(2)	42,900
	(3)	21,600
	(4)	490
	(5)	450
	deduct (6)	80
H. L. Petersen, S. F.	(1)	65,700
	(2)	41,557
	(3)	24,165
	(4)	560
	(5)	520
	deduct (6)	196
N. H. Sjoberg & Son, S. F.	(1)	65,884
	(2)	43,384
	(3)	22,897
	(4)	575
	(5)	408
	deduct (6)	133
Louis Halvorsen, Santa Rosa	(1)	66,000
	(2)	42,000
	(3)	24,000
	(4)	500
	(5)	450
	deduct (6)	200
F. J. Reilly, S. F.	(1)	69,481
	(2)	46,000
	(3)	23,481
	(4)	725
	(5)	.....
	add (6)	175

17— THEATRES

Plans Being Prepared.
THEATRE Cost, $30,000
GRASS VALLEY, Nevada Co., Calif. West Main Street.
One-story steel frame theatre building (steel girders, marque) to seat 508.
Owner—Montez Theatre Company.
Architect — Wm. Mooser, Monadnock Bldg., San Francisco.
Mgr. of Const.—E. T. Leiter & Son, 811 37th St., Oakland.
Plans will be completed in about 2 weeks.

18— WHARVES & DOCKS

Plans Being Prepared.
WHARF, ETC. Cost, $900,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf, transit sheds, extension to railroad spur tracks, etc. (steel frame construction, etc.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge) City Hall.
Bonds in the amount of $900,000 were voted to finance construction.

BIDS OPENED

SAN PEDRO, Cal.—Charles Jantzen, 823 Hawaiian Ave., Wilmington, at $692 submitted low bid to the Public Works Officer, 11th Naval District, San Pedro, February 12, for repairing an existing wood float at the Navy Landing, San Pedro. Spec. No. 7617. The other bids were:

H-10 Water Taxi Co., San Pedro, $800.72.
Lipscomb & Arnett, San Diego, 0834.
Geo. Sutherland & Merman Hanhold, San Pedro, $977.
Pan-Pacific Piling & Constr. Co., $1020.05.
Fred E. Greenfield Co., $1081.
Wilmington Boat Works, Inc., $1250.
West Basin Boat Works, $1700.

Planned.

ADDITIONS Cost, $——
ALAMEDA, Alameda Co., Calif. Foot of Paru Street.
Additions to terminal (dock and warehouse, 300x700 ft.) spur tracks, concrete piling, etc.)
Owner—Alaska Packers Assn., 111 California St., San Francisco.
Architect—Not Given.

19—MISC. CONSTRUCTION

To Be Dne By Day's Work.

SWIMMING TANK Cost, $6000
SAN JOSE, Santa Clara Co., Cal. 725 Vine Street.
Construct swimming tank.
Owner—San Jose School Department.
Plans by Owners.
Work will be done by day's work under the CWA.

BOND ELECTION PLANNED

SAN ANESLMO, Marin Co., Cal.—San Anselmo City Council adopted a resolution calling for a bond election in the amount of $25,000 to finance construction of a recreation center. Date of election will be either March 12 or 19. Improvements planned include four tennis courts, concrete swimming pool, 45x105 feet, machinery and pumps for operation, baseball grounds, dressing rooms and showers.

Plans Being Prepared.

BALL PARK Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Construct baseball park (grandstand, dressing rooms, rest rooms, concessions, etc.)
Owner—San Jose School District (W. L. Bachrodt, City Supt.), San Jose
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Upon completion of plans application will be filed with the CWA for necessary labor. Financing arrangements for the purchase of materials are now under way.

CONTRACT AWARDED.

SAN FRANCISCO.—H. C. Reid & Co., 389 Clementina Street, at $3,840 awarded contract by Park Commissioners for furnishing and installing floodlighting equipment for the cross on Mount Davidson. George W. Kelham, 315 Montgomery St., architect. Complete bids published February 14.

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Sub-Contracts Awarded.

ADDITION Cost, $10,000
OAKLAND, Alameda Co., Calif. 1800 Madison Street.
Steel and concrete dining room addition to Lake Merritt Hotel.
Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.) Oakland.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—Lindgren and Swinerton, Inc., 1723 Webster St., Oakland.
Ornamental Iron—Frauneder Orn. Iron Works, 335 8th St., Oakland.
Structural Steel—Judson Pacific Co., foot of Park Ave., Oakland.
Electric—California Electric Co., Ltd. 115 12th St., Oakland.
Tile Walls—Hallert and Kneale, 2500 65th Ave., Oakland.
Reinforcing Steel—McGrath Steel Co., 2059 Webster St., Oakland.
Lathing and Plastering—P. H. Donnelly, 2957 Oakmore Road, Oakland.

BOND ELECTION PLANNED

HUNTINGTON PARK, Los Angeles Co., Cal.—Huntington Park will hold an election, probably on April 9, at which time a $100,000 bond issue will be submitted for financing the construction of a municipal swimming pool and patriotic hall.

Contract Awarded.

BLEACHERS Cost, $4000
SANTA CLARA, Santa Clara Co., Cal.
Concrete and wood bleachers (to seat 4000).
Owner—University of Santa Clara.
Plans by Engineering Dept. of Owner.
Contractor—H. C. Miller, Santa Clara.
Construction will be started within a few days.

Planned.

SWIMMING POOL Cost, $12,000
SONORA, Tuolumne Co., Cal. Simpsin Terrace.
Swimming pool.
Owner—City of Sonora.
Architect—Not Given.
The site will cost approximately $2,000; $6300 of CWA funds will be used.
Circulating System—Scott Machinery Co., 960 Folsom St., San Francisco, at $5400.

PROJECT APPROVED

UKIAH, Mendocino Co., Cal.—City Council has approved the proposed municipal swimming pool to be erected in the City Park. Plans will be submitted to the CWA headquarters for final approval and it is expected that the CWA will provide $5000 and the city about $2000.

Planned.

IMPROVE WINERY Cost, $——
ASTI, Sonoma Co., Calif.
Corrugated iron and steel bottling plant, office building, laboratory, sample room, leveling of ground.
Owner—Italian-Swiss Colony Dinery, Asti, and San Francisco.
Plans by Engineering Dept. of Owner.
Mgr. of Const.—Sbarboro & Jorgensen 207 Walnut St., San Francisco.
A group of residences are now under construction.

PLANS COMPLETE.

ORANGE, Orange Co., Calif.—City Engineer C. C. Bonebrake, Orange, has completed plans for a bathhouse and swimming pool to be constructed in the Orange city park. Plans will be submitted to the city council at their next meeting. The building will be a one-story and basement structure, 24x170 feet in area, containing dressing rooms, offices, lockers, filters and a chlorinator; wood frame and stucco construction, tile roof, etc. The pool will be 50x150 ft.

To Be Done By Day's Work.

SWIMMING POOL Cost, $8000
FRESNO, Fresno Co., Cal.
Construct swimming pool.
Owner—City of Fresno.
Plans by Engineering Dept. of Owner.
Mgr. of Constr.—Frank Ball, Playground Dept. CWA.
Work will be done by day's labor under the CWA.

PLANNED

PACIFIC GROVE, Monterey Co., Cal.—City of Pacific Grove is contemplating calling an election to vote bonds in the amount of $30,000 to finance construction of a municipal plunge at Lovers' Point, Pacific Grove. Plans includes construction of an open air pool, dressing rooms, heating equipment, etc.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the 14th Naval District, Navy Yard, Pearl Harbor, on March 7 for the construction of a spray cooling pond at the Naval Fleet Air Base, Pearl Harbor, T. H. Spec. No. 7577:

F. W. Snook, 596 Clay St., San Francisco.
R. G. Whinery, 398 Loma Drive, Los Angeles.
C. C. Moore Co., 450 Mission St., San Francisco.
Soule Steel Co., 1750 Army St., San Francisco.

ADDITIONAL PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on February 28 for the construction of a steam generator plant at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7438:

F. W. Snook, 596 Clay St., San Francisco.
Roy Lind, 54 Stanton St., San Francisco.
Herman Lawson, 465 Tehama St., San Francisco.
Asbestos Quantity Bureau, 216 Pine St., San Francisco.
E. T. Thurston, Honolulu, T. H.
Fairbanks Morse & Co., 160 Varick St., New York.

Sub-Contracts Awarded.

SILOS Cost, $100,000
STOCKTON, San Joaquin Co., Cal.
Construct ten silos (reinforced concrete construction) 50 ft. in height and 24 ft. in diameter; small packing plant in connection.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
Ornamental Iron, Stairs and Railings Patterson & Koster Iron Works, 280 13th St., San Francisco.

CONTRACT AWARDED.

MOANALUA, T. H.—John Hansen, Honolulu, at $70,800 awarded contract by the Navy Department, Bureau of Yards & Docks, Washington, D. C., for concrete linings in the government ammunition storage magazines in Aliamame crater, Moanalua.

CONTRACT AWARDED.

SAN FRANCISCO.—Golden Gate Iron Works, 1541 Howard St., at $6,825 awarded contract by the U. S. Forest Service, 85 Second St., San Francisco, for furnishing steel trusses for 21 warehouses.
Complete bids published Feb. 20.

Plans Completed.

VAT Cost, $7000
SAN FRANCISCO. E Juniper St. 100 N Bryant Street.
Two-story Class A concrete vat.
Owner—Miuwaukee Brewer Co., 490 Tenth St., San Francisco.
Engineer — Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.

Plans Being Prepared.

MAUSOLEUM Cost, $150,000
LAWNDALE, San Mateo Co., Cal. Home of Peace Cemetery.
Reinforced concrete mausoleum (columbarium, chapel and crematory) marble and bronze interior, etc.

Owner—Temple Emanuel.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

BOND ELECTION.

PACIFIC GROVE, Monterey Co., Cal. —City of Pacific Grove will hold an election on April 10 to vote bonds in the amount of $30,000 to finance construction of a municipal plunge at Lovers' Point, Pacific Grove. Project includes the construction of an open air pool, dressing rooms, heating equipment, etc.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED.

PASADENA, Calif.—Following bids were received by the Pasadena city board of directors February 19, for furnishing lead covered copper cables:

(1) 1,000 ft. 3 - conductor, sector stranded, 61 strands approximately, 750,000 circular mill, belted type, 6000 volt grounded neutral cable conductor insulation 7/64-in. thick, belt insulation 5/64 - inch thick, plain lead sheath 9/64-in. thick, on 3-26-in. reels.

(2) 6,164 ft. of 3 - conductor, sector stranded, 37 strands approximately, 500,000 circular mill, belted type, 6000 volt grounded neutral cable conductor insulation 7/74-in. thick, belt insulation 4/64-inch thick, plain lead sheath 8/64-in. thick on 14-66 in. reels.

(3) 2,000 ft. of 3-conductor, sector stranded, 19 strands approximately, No. 0000 American wire gauge, belted type, 6000 volt grounded neutral cable, conductor insulation 7/64-in. thick, belt insulation 4/64-in. thick, plain lead sheath 7/64-in. thick, on 4-54 in. reels.

(4) 6,339 ft. of 3 conductor, sector stranded, 19 strands approximately, No. 00 American wire gauge belted type, 6000 volt grounded neutral cable, conductor insulation 7/64-in. thick, belt insulation 4/64-in. thick, plain lead sheath 7/64-in. thick, on 7-54-in. reels.

General Cable Corp., (1) $2.477 ft.; $2,477; reels; $63.00; (2) $1.606, $9899.38 reels, $53; (3) $90.09, $1818; reels, $32; (4) $63.05, $4025.26; reels, $32; grand total 18,219.64; reels, $1253.

Generel Electric Co., same as General Cable Corp.

John A. Roeblings Sons Co., (1) no bid, (2) $1.606, $9899.38; reels, $53; (3) same at General Cable Corp.; (4) same grand total, $16,742.64; reels, $1,094.

Other bids identical with General Cable Corp., were: General Electric Supply Co., Okonite Co., Habershaw Cable & Wire Corp., and Columbia Steel Co.

The bids were referred to C. W. Koiner, city manager.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Pacific Electric Railway awarded contract by the County Supervisors February 19 for hauling 50,000 bbls. cement for San Gabriel Dam No. 1. The reductions from the usual rates were: California Portland Cement, mill, deduction of 13.3c cwt.; Monolith Portland Cement Co., mill, deduction of 32.3c cwt.; Riverside Cement Co., mill, deduction of 13.3c cwt.; Blue Diamond Co., plant, deduction of 13.3 c cwt.; Southwestern Portland Cement Co., mill, deduction of 17.1c.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Santa Fe Pipe & Supply Co., Los Angeles, awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, Feb. 19, for pipe and fittings, f.o.b. bidder's warehouse, Los Angeles, for delivery to Division 1 headquarters under Bid No. 20584.

Santa Fe Pipe & Supply Co. bids was as follows: Total price, less, discount, $555.55 ;sales tax, none; total price bidder's warehouse, $555.55.

CONTRACT AWARDED

NAGALES, Arizona—Calaveras Cement Co., 315 Montgomery St., San Francisco, awarded contract by the International Boundary Commission, El Paso, Texas, February 18, for furnishing 24,000 bbls. Portland cement for the Nogales Flood Control Project.

AWARD RECOMMENDED.

WHITTIER, Los Angeles Co., Cal. —The following identical bids at $1,-128.50 were received by the Whittier city council February 19 for furnishing approximately 18 tons of reinforcing steel for use in connection with the construction of the Rideout reservoir:

Hurley Wilson Bumper Mfg. Co., Whittier.
Soule Steel Co., Los Angeles.
Graham Bros., Los Angeles.
Truscon Steel Co., Los Angeles.
Blue Diamond Corp., Los Angeles.
Los Angeles Iron & Steel Co.
Hammond Lumber Company.
Trojan Steel Company.

The city council will recommend to the PWA engineer that the contract be awarded to the Hurley Wilson Bumper Mfg. Co.

CONTRACT AWARDED

BERKELEY, Cal. — Independent Construction Co., Foot of 47th Ave., Oakland, at $3.35 per ton (asphaltic concrete) awarded contract by the Berkeley City Council, for furnishing 1200 tons of asphaltic concrete.

CONTRACT AWARDED

PANAMA CANAL ZONE—Atlantic Refining Co., Philadelphia, Pa., awarded contract by the General Purchasing Officer, The Panama Canal, Washington, D. C., for furnishing gasoline under Schedule No. 2934, as follows:

Class 1, $65,700; Class 2, $17,140 and Class 3, $29,100.

BIDS OPENED.

SAN FRANCISCO.—S. L. Key, 1627 Euclid Ave. Berkeley, at $2,153.40 submitted high bid to T. A. Brooks, Purchaser of Supplies, 270 City Hall, San Francisco, for the purchase of 19,400 lin. ft. of 8-in. 16-gauge used riveted pipe, under Sale No. 92.

Kelly Pipe Co., Los Angeles, submitted second high bid at $1,959.49; third, D. Cohn, San Francisco, $921.50.

BIDS OPENED

SACRAMENTO, Cal.—John Evans, Little Rock, Arkansas, at $15.50 per ton submitted only bid to Sacramento City Council, City Hall, for furnishing 175 tons of Bauxite for use of filtration division of the City of Sacramento

Bid referred to City Manager.

CONTRACT AWARDED

OAKLAND, Alameda Co., Cal.—Walworth California Company, 2635 Peralta St., Oakland, at $6340 awarded contract by East May Municipal Utility District, for furnishing 50,000 lin. ft. ¾-in. seamless copper tubing. One per cent discount, ten days.

CONTRACT AWARDED

OAKLAND, Alameda Co., Cal.—United States Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $25,376 awarded contract by East Bay Municipal Utility District for furnishing 10,400 lin. ft. 16-in. cast iron pipe.

BIDS OPENED

SAN FRANCISCO—Following bids received by the U. S. Forest Service, 85 Second St., for furnishing plumbing fixtures as follows:

(1) 64 bath tubs;
(2) 124 lavatories;
(3) 120 Water closets;
(4) 75 sinks;
(5) 80 laundry trays;
(6) 65 hot water boilers (30-gals.);
(7) 12 hot water boilers (40-gals.);
(8) 12 showers;
(9) 16 urinals.

Complete bids follow:

Auburn Lumber Co., Auburn, (1) $35.87 (2) $11.55; (3) $16.30; (4) $23.57; (5 $10.54; (6) $9.48; (8) $12.91; (9) $16.02. Total $9502.32.

*Dalziel Moller Co., San Francisco (1) $35.92; (2) $11.39; (3) $17.88; (4) $24.03; (5) $9.57; (6) $9.37; (7) 12.75; (8) $12.06; (9) $16.22. Total, $9615.95.

Identical bids at (1) $40.30; (2) $12.98 (3)$18.31; (4) $26.48; (5) $11.84; (6) $10.65; (7) $14.65; 8) $14.50; (9) 18.00; total, $10,675.65 were submitted by the following:

West Coast Sanitary Co., San Francisco; Pacific Plumbing & Heating Supply Co., San Francisco;Unitel Pipe & Supply Co., San Francisco; Walworth-California Co., S. F.: Crane Co., S. F.; Tay-Holbrook, Inc., S. F.; Olsen & Heffernan, S. F.; *Meyer & Wirthinger, Oakland; Dallman Supply Co., Sacramento; Grinnell Co. of the Pacific, Los Angeles; California Pipe & Supply Co., Los Angeles; P. E. O'Hair & Co., S. F.; G. & G. Pipe & Supply Co., Oakland; Globe Plumbing Supply Co., Oakland; Mell O. Haldeman Corp. L. A.; Griffith Pipe & Supply Co., Inc., L. A.; Moran Plumbing Supply Co., Oakland; A. E. Lyon, Inc., Glendale; James D. Hubbard Co., S. F., and Richmond Sanitary Co., S. F.

*Delivery at San Francisco and Oakland only; all others for delivery at San Francisco, Oakland, Los Angeles and Sacramento.

Globe Plumbing Supply Co., Oakland, bid $26.46 on Item 4.

CONTRACT AWARDED.

LOS ANGELES, Calif. — Southwest Welding & Mfg. Co., Alhambra, at $1,-512.90 f.o.b. cars at manufacturer's plant, awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, for furnishing riveted air receivers, delivery at Indio; Bid No. 20342. The bids on item (2) were rejected.

Complete bids were:

Southwest Welding & Mfg. Co. (Total price less discount) $1476; (Sales tax) $36.90; (Mill Price) $1512.90.

Lacy Mfg. Co., $1494; $37.35; $1,-531.35.

Western Pipe & Steel Co., $1524; $38.10; $1562.10.

Consolidated Steel Corp., Ltd., $1,-644; $41.10; $1685.10.

Kelly Boiler Works, $1716.96; $42.92; $1759.88.

National Tank & Mfg. Co., $1776; $44.40; $1820.40.

Vernon Tool Co., Ltd., $1872; $46.80; $1918.80.

CONTRACT AWARDED.

LOS ANGELES, Cal.—Crane Co., 321 E Third St., Los Angeles, at $14,710 awarded contract by the Water and Power Commission for furnishing cast iron pipe under Spec. No. 3281.

CONTRACT AWARDED.

SAN FRANCISCO.—Emil Brown & Co., 300 E 9th St., Los Angeles, at $3,-822.70 awarded contract by the U. S. Forest Service, for furnishing sheet metal roofs, including corrugated galvanized sheets, nails, washers and ridge roll for 21 warehouses, as follows:

(1) 14 type 1, 30x80-ft.;
(2) 7 type 11, 30x50-ft.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

NEVADA

WASHOE COUNTY, Nevada.—Until March 20, 10 A. M., bids will be received by E. H. Beemer, clerk of the Board of County Commissioners, at the county clerk's office, Court House, Reno, for furnishing one 3-ton truck with hydraulic hoist, 3-yd. body, dual pneumatic tires on rear, dual reduction gear, wheel base 156-inches.

Specifications obtainable from above office.

MET. WATER DISTRICT

LOS ANGELES, Cal. — Until Feb. 28, 10 A. M., bids will be received by Saul A. Joseph. Purchasing Agent of the Metropolitan Water District, Rm. 504, 306 West Third St., Los Angeles, for furnishing under Bid No. 20691:

(1) 2 only straingauges having a 20-in. gauge length.
(2) 1 standard 30-in. flow table for testing consistency of concrete.
(3) 2 only Carlson special test sets, or equal.
(4) 78 only resistance thermometers.
(5) 158 only strain meters.
(6) 600 only field size gauge plugs and caps.
(7) 400 only laboratory size gauge plugs.
(8) 1000 only gauge plug insets.

NAVY DEPARTMENT

BREMERTON, Wash.—Until February 28, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 55 NIRA for plumbing fixtures including water closets, urinals, lavatories, shower fixtures, slop sink, kitchen sinks, drinking fountains, wash sinks, drains, glass shelves, toilet paper holders, coat hooks, bathroom mirrors, and razor strap hooks.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials as follows:

WAX, 4000 lbs. yellow ceresin, and 4000 lbs. carnauba, Sch. 1766, Mare Island, Feb. 27.
CABLE, 4500 ft. lighting and power, and 5300 ft. flame-proof cable, Puget Sound, Sch. 1780, Feb. 27.
HOSE, 2300 ft. fire-extinguisher, Sch. 1777, Mare Island, Feb. 27.
STEEL, bar, Sch. 1754, Eastern and Western Yards, Feb. 27.
BRICK, fire clty, Sch. 1755, Western Yards, Mar. 6.
WIRE CLOTH, copper; bronze, and iron or steel; Sch. 1798, Eastern and Western Yards, Mar. 6.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for machinery and equipment, as follows:

ELECTRIC FURNACES, 2, Sch. 1753, Mare Island, Feb. 27.
ELECTRIC REFRIGERATORS, 15, Sch. 1758, Feb. 27, Mare Island.
TRACTOR, 1, crawler or track tread type, with crane attachment, Sch. 1760, San Diego, Feb. 27.
COIL SPREADER, and former, 1, Sch. 1768, San Diego, Feb. 27.
WINCHES, and spares, reversible, 2, Sch. 1773, Mare Island, Feb. 27.
SANDER MACHINE, motor-driven pedestal disk, Sch. 1787, San Diego Mar. 2.
LATHE, motor-driven, toolmaker's precision, 1, Sch. 1789, Mare Island, Mar. 6.
GRINDER, motor-driven, universal cutter head, Sch. 1794, San Diego, Mar. 6.
MILLING MACHINES, motor-driven, and attachments, 2, Sch. 1797, San Diego, Mar. 6.
ROAD ROLLER, 1 7-ton, and 1 do, Sch. 1799, San Diego, Mar. 6.
HACKSAWS, motor-driven, 3, Sch. 1801, Mare Island, Mar. 6.

BREMERTON, Wash.—Until Feb. 27, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., for furnishing under Req. No. 258 NSA, the following:

50,600 lbs. RODS, welding, steel.

Specifications obtainable from above office.

EAST BAY UTILITY DIST.

OAKLAND, Alameda Co., Cal.—Until March 2, 5:30 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing a power shovel with one cubic yard capacity. Informal proposal No. 512.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until March 2, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing and fabricating all structural steel and bolts necessary for the complete erection of lookout towers as follows:

(1-a) 11 twenty-ft. lookout towers;
(1-b) 11 thirty-ft. lookout towers.
(2-a) 8 twenty-ft. lookout towers.
(2-b) 3 thirty-ft. lookout towers.

All quotations f.o.b. cars, dock, or tricks at plant. Specifications obtainable from above office and from the U. S. Forest Service, Engineering, 85 Second St., San Francisco.

GOVERNMENT ISLAND, Cal.—Until Feb. 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing f.o.b. Government Island, on a rental basis per month, one Light Mountain Transit, complete, with adjustable tripod, carying case and shipping case, for a period of not less than three months. Invitation Bid No. 793.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until Feb. 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 796, the following increment borrers, complete:

(1) 24 each, length of bore 10-in.;
(2) 12 each extra auger for above;
(3) 24 each extra extractors for above;
(4) 6 each extra augers for instrument with 8-in. bore;
(5) 12 each extra extractors for instrument with 8-in. bore;
(6) 12 each extra extractors for instrument with 12-in. bore.

Delivery f.o.b. shipping point of bidder.

Specifications obtainable from above office.

TREASURY DEPARTMENT

DENVER, Colo.—Until Friday, Mar. 9, bids will be received by the Treasurry Department, Office of the Supervising Architect, Washington, D. C., for new brass piping, hot water tanks, etc., for the U. S. post office and court house in Denver.

CANAL ZONE

PANAMA CANAL ZONE — Until March 5, bids will be received by the General Purchasing Agent, A. L. Flint, Panama Canal, Washington, D. C., under Sch. 516, for furnishing the following equipment:

SUMP PUMP UNIT, motor-driven, 1.
300 electric lighting fixtures, 6 do.
46 toggle switches.
BLOWER, electric motor-driven.

PANAMA CANAL ZONE — Until March 5, bids will be received by the General Purchasing Officer, A. L. Flint, Panama Canal, Washington D. C., under Sch. 516, for furnishing the following supplies and materials:

10,000 railway tie plates.
10,000 lbs. steel track spikes, end mills, brass machine screws.
720 sash pulleys.
5000 ft. bronze sash chain machine screw nuts.
10,000 ft. bare antennae wire.
500 lin. ft. rubber matting.
5000 cocoa or burlap bags.
25 tons asphalt for use in road and pavement construction.
1000 lbs. flake glue.
50 gals. liquid glue.
200 gals. copper paint;
10,000 lbs. titanium pigment.
2000 gals. turpentine.
10,000 wine gals. alcohol.
100 gals. paint thinner.
2000 lbs. acetone.

WAR DEPARTMENT

SAN FRANCISCO—Until March 17, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, for furnishing one electric dishwasher with gas heater, with capacity of 4000 dishes per hour, with two racks for dishes and two racks for glasses and silver, and ten extra racks. Specifications available from above office.

SACRAMENTO, Cal.—Until Feb. 27, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, for furnishing under Invitation No. 6179/H MR-187, f.o.b. Sacramento:

(1) 16 gauge corru. galv. iron culvert pipe, 24-in. dia., following lengths:
  (a) 10-ft., four each;
  (b) 20-ft., seven each;
(2) band couplers, 24-in. dia. to fit pipe under item 1, eight each.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD

FORT PECK DAM, Montana—The Massman Construction Co., Kansas City, Mo., at $984,771 awarded contract by the U. S. Engineer Office, for constructing a 15,000 ft. rail and automobile bridge over the Missouri River at Fort Peck Dam site in Montana. The bridge will be of steel and wood construction.

PLANNED

SAN JOSE, Cal.—The City Council has directed City Engineer, William Popp, to prepare plans and specifications for a reinforced concrete bridge, to replace a timber bridge over Guadalupe Creek at Fox Avenue. Estimatcost, $12,000.

The Council also will commence proceedings to open streets which will require construction of two other bridges, one connecting Prevost and River streets, and the other, connecting Bird Avenue and South Montgomery Sts. Estimated cost of each of these bridges is $20,000.

BIDS WANTED.

ARIZONA STATE.—Until March 6, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway and bridge construction on NRH 82-B (AFE No. 8043) Yuma Gila Bend Highway. The work, which is located from 16 to 18 miles east of Yuma, consists of the construction of two concrete bridges and the grading, draining and road mix oil processing of about one-half mile of approach roadway and is to be completed on or before June 15. The items of work are:

(1) 4,800 cu. yds. rdwy. excav.;
(2) 5,200 cu. yds. drainage excav.;
(3) 640 cu. yds. struc. excav.;
(4) 2,500 cu. yds. select material;
(5) 1,400 cu. yds. mi. select material, haul;
(6) 500 cu. yds. concrete;
(7) 40,400 lbs. reinf. steel;
(8) 59,600 lbs. struc. steel;
(9) 3,800 gals. road oil;
(10) 0.4 mile processing road mix.

T. S. O'Connell, engineer. Plans and specifications obtainable from above office. An appropriation of $42,000 has been made for the construction of the above project.

BIDS OPENED

MULTNOMAH COUNTY, Oregon—Hoffman Construction Co., Portland, Oregon, at $27,530 submitted low bid to the Oregon State Highway Commission, Portland, for widening the existing viaduct over the O. W. R. R. & N. Co. tracks on Northeast 82nd Avenue, between N. E. Jonsmore and N. E. Halsey Streets, in Portland, National Recovery Project No. NRM 19-C, in Multnomah County. Other bidders were:

Feigenson Constr. Co., Port.	$27,585
Kuckenberg Wittman Co., Port.	30,867
Northwest Roads Co., Portland	32,500

R. H. Baldock, Engineer.

BIDS OPENED

MULTNOMAH COUNTY, Oregon—Joseph H. Anderson, Portland, at $12,-184 submitted low bid to the Oregon State Highway Commission, Portland, for construction of bridge over Johnson Creek on the East Portland Oregon City Highway near Milwaukee, National Recovery Project No. NRM 168-D, in Multnomah County. Other bidders follow:

Kuckenberg-Wittman Co., Portland	$13,230
Allyn & Powers	13,442
Feigenson Constr. Co.	13,480
Settergren Bros., Portland	13,535
J. F. Johnston, Portland	13,535
Northwest Roads Co., Portland	14,445
Gregory & McNaught	14,475
A. T. Dolan	14,725
Parker-Schram Co., Portland	14,665
Hoffman Constr. Co.	15,275
W. W. MacFarland	15,579
Joplin & Eldon, Portland	16,896

R. H. Baldock, Engineer.

BIDS OPENED

HOOD RIVER COUNTY, Oregon—R. H. Jones, Baker, Oregon, at $21,-851 submitted low bid to the Oregon State Highway Commission, Portland, for construction of bridge over East Fork of Hood River on the Hood River Secondary Highway near Dee, National Recovery Project No. NRS 232, in Hood River County. Other bidders, all of Portland, were:

J. F. Johnston	$22,491
Jopin & Eldon	23,053
Kuskenberg - Wittman Co.	23,123
Feigenson Constr. Co.	23,360
Gilpin Constr. Co.	23,557
Parker-Schram Co.	25,220
Northwest Roads Co.	26,072
Portland Bridge Co.	27,555

R. H. Baldock, Engineer.

OAKLAND, Cal.—The following, in addition to list previously reported, have procured plans for construction of the Broadway Tunnel, on which bids will be received March 22, by Joint Highway District No. 13, Wallace B. Boggs, 1448 Webster St., Oakland, Chief Engineer:

Cutler Hammer, Inc., 907 Folsom St., San Francisco.

Pacific Coast Steel Co., 208 Illinois St., San Francisco.

The Utah Constr. Co., 1 Montgomery St., San Francisco.

Youdall Constr. Co., 215 Market St., San Francisco.

Victor Lemoge, 281 Natoma St., San Francisco.

Peninsula Paving Co., 601 Standard Oil Bldg., San Francisco.

Henry J. Kaiser, Latham Square Bldg., Oakland.

Aetna Casualty & Surety Co., 333 Pine St., San Francisco.

Ransome Co., 4030 Hollis St., Emeryville.

General Electric Co., Russ Bldg., San Francisco.

Union Paving Co., 72 Montgomery St., San Francisco.

American Blower Corp., Rialto Bldg. San Francisco.

Fairbanks-Morse Co., 35 Harrison St., San Francisco.

Enterprise Electric Works, 1164 Mission St., San Francisco.

Chas. Cooper & Co., 519 Delta Bldg., Los Angeles.

Herberts Moore Machine Co., 550 Fifth St., San Francisco.

Walsh Constr. Co., 904 Chester Williams Bldg., Los Angeles.

Western Pipe & Steel Co., 444 Market St., San Francisco.

Fredrickson & Watson Constr. Co., 873 81st Ave., Oakland.

Concrete Engineering Co., 1280 Indiana St., San Francisco.

Westinghouse Elec. & Mfg. Co., 166 Seventh St., San Francisco.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

MONTEREY COUNTY, Cal.—W. J. Tobin, 3701 Balfour Ave., Oakland, at $66,171.30 awarded contract by State Highway Commission, Sacramento, for construction of four bridges between 32 and 36 miles north of San Simeon, in Monterey County.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for widening existing arch bridge across American River about one mile north of Sacramento, and grading and surfacing approaches, with Portland cement concrete pavement in Sacramento County, involving:

(1) 200 cu. yds. rdwy. excav.;
(2) 2500 cu. yds. struc. excav.;
(3) 5700 cu. yds. impor. borrow;
(4) 5820 sq. yds. subgrade for pave.;
(5) 350 tons cru. gravel or stone bit. treat. borders;
(6) 18 tons cutback asphalt;
(7) 90 M. gals. water;
(8) 16,300 lin. ft. furnish steel piles including test piles;
(9) 442 each driving steel piles incl. test piles;
(10) 300 cu. yds. bridge concrete removed and disposed of;
(11) 540 cu. yds. bridge and approach surfacing removed and disposed of;
(12) 1235 cu. yds. Class A Port. cem. conc. pave.;
(13) 440 cu. yds. Class A Port. cem. conc. footing blocks;
(14) 832 cu. yds. Class A Port. cem. conc. arch rib;
(15) 135 cu. yds. Class A Port. cem. conc. railing;
(16) 1245 cu. yds. Class A Port. cem. conc. struc.;
(17) 1800 cu. yds. Class B Port. cem. concrete;
(18) 432,000 lbs. bar reinf. steel;
(19) 800 lin. ft. temporary railing;
(20) 22 stations finishing roadway;
(21) 5 each monuments complete in place;
(22) 1 lot lighting equipment complete in place;
(23) 1 lot miscellaneous items of work

Plans and specifications obtainable from above office and one file at the offices of the District Engineers in Los Angeles and San Francisco and at the district in which the work is located.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for construction of an overhead crossing over the tracks of the Southern Pacific Company Spur to the Hercules Powder Co. in the City of Los Angeles, consisting of four 39-ft. 6-in. reinforced concrete girder spans on concrete bents and footings, in Los Angeles County, involving:

(1) 1000 cu. yds. rdwy. excav. unclass;
(2) 2250 cu. yds. struc. excav.;
(3) 0.6 M.F.B.M. dense select allheart struc. redwood;
(4) 280 lin. ft. 36-in. CMP;
(5) 95 cu. yds. Class A Port. cem. conc. crib walls;
(6) 1370 cu. yds. Class A Port. cem. conc. struc.;
(7) 28 cu. yds. Class E Port. cem. conc. railings;
(8) 235,000 lbs. bar reinf. steel;
(9) 2250 lbs. bronze expansion plates;
(10) 1 lot miscellaneous items of work.

Plans and specifications obtainable from above office and one file at the offices of the District Engineers in Los Angeles and San Francisco and at the district in which the work is located.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

SEATTLE, Wash.—Until February 27, 3 P. M., bids will be received by the U. S. Engineer Office, Room 412, Federal Office Building, Seattle, for dredging approximately 764,000 cubic yards of material from the harbor at Olympia. The work will consist of dredging a channel 30 feet deep and 300 feet wide for a distance of 12,000 feet, with the cannel widened at the bend. The turning basin is to be enlarged to a length of 2000 feet, a width of 800 feet and a depth of 30 feet.

Specifications obtainable from above office.

CONTRACT AWARDED.

SEATTLE, Wash.—Manson Const. & Engr. Co., Canadian National Pier, Seattle, at $50,446 awarded contract by the Board of Public Works, Seattle, for the driving of 18,200 piles along the waterfront between Madison and Bay Sts., to be used in construction of the Railroad Avenue Project, Seattle.

Complete bids follow:
(1) driving 8200 batter piles;
(2) driving 10,000 plumb piles.

Manson Const. Co., (1) $2.80 (2) $2.75 each; total $50,466.

General Const. Co., Seattle, (1) $3.80 (2) $3.10; total $62,150.

Hagman & Larsen, Seattle, (1) $5.50 (2) $4.50; total $90,100.

PROSPECTIVE BIDDERS

OAKLAND, Cal.—The following, in addition to list previously reported, have procured plans for construction of a steel sheet pile bulkhead at the Coast Guard Base 11, Government Island, Oakland, for which bids will be received March 1 (as previously reported):

American Bridge Co., Washington, D. C.

Jones & Laughlin Steel Co., Pittsburgh, Pa.

Inland Steel Co., First Nat'l. Bank, Chicago.

23— IRRIGATION PROJ.

BIDS WANTED.

CASPER, Wyo.—Until March 7, 10 A. M., bids will be received by the Bureau of Reclamation, Casper, for the construction of earthwork, tunnels, and structures, Casper Canal, Station 0 to Station 190, Casper-Alcova Project, Wyo., under Spec. No. 564, involving:

(1) 418,500 cu. yds. all classes open-cut excavation;
(2) 58,700 cu. yds. tunnel excavation;
(3) 5,000 cu. yds. backfill;
(4) 2,855 cu. yds. concrete in struc.;
(5) 13,900 cu. yds. concrete in tunnel lining;
(6) 1,630 sq. yds. dry-rock paving;
(7) 1,400 cu. ft. pressure grouting;
(8) placing 413,000 lbs. of reinf. bars;
(9) furnish and erect 232 MFBM of permanent timbering in tunnel;
(10) install 1,500 lin. ft. drain pipe;
(11) install 27,000 lbs. gates and misc. metal work.

No charge for specifications and plans to prospective bidders; to others $1.00, not returnable. Plans and specifications obtainable from the above office. M. F. Walter, chief engineer.

PREPARING PLANS

TURLOCK, Cal.—R. V. Meikle, chief engineer of the Turlock Irrigation District, is preparing plans and specifications for proposed concrete canal lining in the district estimated to cost $311,000. An application for a $217,350 loan and $93,150 grant has been approved by the PWA.

PLANNED.

IMPERIAL CO., Cal.—The Coachella Valley Irrigation District and the Imperial Valley Irrigation District have enterer into an agreement in the matter of the All-American Canal whereby the Coachella District has been granted the right to deal separately with the Department of the Interior in regard to the Coachella's contract with the government covering its share of the proposed water system. Coachella's allotment of water is to be 1500 second feet of the total 13,000 feet capacity from the Imperial Dam to Pilot Knob, and the district will bear the entire cost of that portion of the canal constructed for its exclusive use and Imperial Valley District will do the same. The suit involving the validity of Imperial District's original canal contract is to be dismissed. The Imperial District will operate the dam, di-silting works, and joint canal system; Coachella District to pay its proportionate share annually. If approved by the Department of the Interior the contract opens the way for readvertising of bids for the canal construction.

24—STREET LIGHTING SYSTEM

AWARDED

CROCKETT, Contra Costa Co., Cal.—O. K. Andresen Electric Co., Rodeo, at $3,250 awarded contract by Contra Costa County Board of Supervisors, Martinez, for furnishing and installing an ornamental street lighting system on Pomona Street from Second Ave. to alley Street, involving 20 electroliers of 400-candle power. The work is financed by Crocket-Valona Lighting District.

Complete bids follow:

O. K. Andresen Elec. Co., Rodeo..$3250
Scott-Buttner, Oakland 3285
Eureka Electric & Radio Co., San Francisco 3485

25—MACHINERY AND EQUIPMENT

BIDS OPENED.

SAN DIEGO, Cal.—Miller Boiler Shop, San Diego, submitted the low bid to Public Works Officer, 11th Naval District, San Diego, Feb. 14, at $546.50 for repairs to locomotive crane boiler at the Naval Operating Base (Fuel Depot) San Diego, under Spec. No. 7611.

George W. Simpson, San Diego, only other bidder at $550.00.

The bids were taken under advisement.

BIDS OPENED.

SAN FRANCISCO.—Curtis Mfg. Co., Wellston, Mo., at $263.15 submitted low bid to the Purchasing Officer, 12th Naval District, 100 Harrison St., San Francisco, for furnishing under Sched. No. 769: air compressor, gasoline-driven, mounted on truck, for Mare Island.

Complete bids follow:

Curtis Mfg. Co.....$ 263.15
Bink Mfg. Co..... 342.28
Paasche Airbrush Co. Chicago 436.00
Ingersoll-Rand, San Francisco 1,825.00

BIDS OPENED

LOS ANGELES, Cal.—The following bids received by A. J. Holm, Los Angeles City Purchasing Agent, for furnishing and delivering to Water & Power Department, f.o.b. shipping points designated below, 287,500-volt, 1200-ampere, 3-pole, single throw, floor mounted, outdoor type oil circuit breakers, complete, including all necessary oil and spare parts under Specifications No. 3266:

(1) 8 oil circuit breakers designed to interrupt all capacities above 25% of rating up to their full rating in not more than 083 second after the protective relay contacts have been closed:
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.
(1-Alt.) 8 oil circuit breakers designated to interrupt all capacities above 25% of rating up to their full rating in not more than .05 second after the protective relay contacts have been closed:
(a) f.o.b. cars, bidder's shipping point;
(b) f.o.b. cars, Los Angeles.

The Department desires options to purchase not less than 4 nor more than 10 additional oil circuit breakers as described above, under same terms, conditions, etc., within 120 day period.

General Electric Co.—(1a) $99,200; (1b) $102,100; (1 alt. a) $114,400; 1 alt. b) $117,300; (option a) $95,250; option b) $98,050; (alt. option a) $109,850; (alt. option b) $112,650.

Westinghouse Electric & Mfg. Co.—(1a) $102,700; ,1b) $105,600; 1 alt. a) $118,500; (1 alt. b) $121,400; (option a) $98,550; (option b) $101,350; (alt. option a) $113,750; (alt. option b) $116,550.

Allis Chalmers Mfg. Co. (1a) $107,000; (1b) $110,000; (1 alt. a) $123,000; (1 alt. b) $126,000; (option a) $103,000; (option b) $106,500; (alt. option a) $118,500; (alt. option b) $121,500.

Each bidder quoted prices of 17c per gal. f.o.b. bidder's shipping point or $.198 per gal. f.o.b. Los Angeles for allowance on oil not required. No allowances were quoted for certified factory tests.

BIDS OPENED.

TUCSON, Ariz.—The following bids received by the Department of Agriculture, Division of Purchase, Sales & Traffic, Washington, D. C., for furnishing under Proposal No. 5845, one trailbuilder, Tucson:

Knapp Mfg. Corp., Oakland, Cal.,

$1,275, 5%; La Plant-Choate Mfg. Co., Cedar Rapids, Iowa, $1,400; Isaacson Iron Works, Seattle, $1,400, 2%; Neiss & Co., Minneapolis, Minn., $1462.48, 3 percent; R. G. LeTourneau, Stockton, Cal., $1,540.74; Master Equipment Co., Los Angeles, $1,400; Boiler Pipe and Tank Co., Oakland, Cal., $1,450, 5%; Mack Woolridge Co., Los Angeles, $1,-400, 1%.

BIDS OPENED

SAN FRANCISCO — Otis Elevator Co., 1 Beach St., San Francisco, at $1267 submitted low bid to the Purchasing Officer, 12th Naval District, 100 Harrison St., San Francisco, for furnishing, under Schedule No. 644:

(1) ELEVATORS, 2, hydro-electric, 3 tons, Building 108.

Westinghouse Electric Elevator Co., San Francisco, at $1482 submitted only other bid.

AWARD

JACKSON, Amador Co., Cal.—Ingersoll-Rand Company of California, at $1825 each, awarded contract by the Amador County Board of Supervisors, Jackson, for furnishing two compressors for Road Districts Nos. 3 and 4.

BIDS OPENED.

SAN DIEGO, Calif.—The following identical bids at $2766.71 were received by the State Purchasing Agent, Sacramento, for furnishing under Quotation No. 26003, Req. 327:

36-hp. track - laying type tractor equipped with canopy top, street plates, oil filter, air cleaner, Alemite fittings and electric lights. Tractor bid on must have seat on top and be current model and in production at the time bid is submitted.

Hulse Anderson, El Centro.

San Diego Tractor & Equipment Co., San Diego.

Smith, Booth, Usher Co., Los Angeles.

Contractors' Equip. & Mchy. Co., Los Angeles.

Crook Co., Los Angeles.

Bevis Machinery Co., Los Angeles.

No allowance was offered for used tractor (Item 2).

CONTRACT AWARDED.

PEARL HARBOR, T. H. and Mare Island, Calif.—Hardie-Tynes Mfg. Co., 800 N. 28th, Birmingham, Alabama, at $47,215 awarded contract by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for furnishing motor-driven air compressors for Mare Island and Pearl Harbor, under Specification No. 7571.

28—FIRE EQUIPMENT

BIDS WANTED.

SAN FRANCISCO.—Until March 5, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing 2,000 ft. 2¾-in. cotton rubber lined fire hose.

Specifications obtainable from above office.

30—RESERVOIRS & DAMS

PLANNED.

LOS ANGELES, Calif. — Estimated quantities and costs of construction of the proposed Parker dam are shown by figures submitted to Washington by the Bureau of Reclamation. Segregated items of labor and material costs are:

Camp and permanent improvements, $625,000.

River diversion works, $2,640,000.

Excavation for dam, all classes, 1,-270,800 cu. yds., $2,563,200.

Concrete for dam all classes, 323,200 cu. yds., $2,693,500.

Foundation preparation, $65,000.

Gates, control, etc., $1,511,600.

Total of above $10,368,500.

PREPARING PLANS.

VERDE PROJECT, Arizona.—Verde River Irrigation & Power District has asked the courts for a judicial interpretation of a contract the district executed with D. A. Foley & Co. and Foley Bros. in 1923 and supplemental agreement in 1933 for the construction of the Verde Project, the district claiming that the contract contained a clause whereby the contract would be void of the federal government financed the project, necessitating a revision of its terms. By the terms of the supplemental agreement of May 23, 1933, Foley Bros., Inc., was to construct the Camp Verde Storage dam at cost plus a fee of $300,000.

The plans for the project are being prepared by the Bureau of Reclamation, the Bureau having announced no contracts will be awarded except to the successful bidder in open competition.

31—PIPE LINES & WELLS

CONTRACT AWARDED.

ALHAMBRA, Cal.—Saunders Bros., 112½ Pickering St., Whittier, at $6,-885 awarded contract by Alhambra city commission for drilling and casing a 26-inch well near Granada Ave. and Mission Road, for the water department.

ELECTION

YUBA COUNTY, Cal.—February 17 is the date set for a special election in the Waldo School, Waldo School District, Yuba County, to vote on the expenditure of $1500 of school money for the digging and equipping of a well on the school grounds.

TO ASK NEW BIDS

COLTON, Cal. — New bids for the drilling of a well in conjunction with the Colton Water Supply System will probably be asked shortly. Currie Engineering Co., 219 Andreson Block, San Bernardino, Engineer.

CONTRACT AWARDED.

MANHATTAN BEACH, Cal.—Lyon Bros., 1363 Carmona St., Los Angeles, at $1500 plus $5.00 per foot, for depth over 300 ft. to 700 ft. for the drilling complete of a 16-in. well with standard double 10-gauge casing, on lot 4, awarded contract by the Manhattan Beach city council. The depth of the well is to be approximately 300 feet.

CONTRACT AWARDED

ONTARIO, Oregon—Chicago Bridge & Iron Co., 2407 Old Colony Bldg., Chicago, Ill., at $71,860 awarded contract by the Bureau of Reclamation, Denver, Colo., for furnishing plate steel pipe for Owyhee River and Snively siphons and structural steel bridge for Owyhee River siphon. Spec. No. 558.

CONTRACT AWARDED

SUNNYVALE, Cal.—Harold Barton, 663 S-Ninth St., San Jose, at $2450 awarded contract by the Sunnyvale City Council for drilling a well 900 ft. deep, the city to furnish the casing which will be secured from the Montague Pipe & Steel Co. of San Francisco.

32—SEWERS & SEWAGE DISPOSAL PLANTS

FUNDS APPLIED FOR

LOS ANGELES, Cal.—The City of Los Angelts has applied to the Federal Administration of Public Works for a loan of $1,242,500 and a grant of $532,500, to finance the construction of the Hyperion Sewage Treatment Plant. Lloyd Aldrich, City Engineer.

BOND ELECTION

HUNTINGTON BEACH, Orange Co. Cal.——An election will be held April 9 to vote on a bond issue in the sum of $100,000 to finance the construction of a sewage disposal plant.

ELECTION CARRIED

MAXWELL, Cal.—Voters of Maxwell carried an election to form a public utility district for the purpose of constructing a sewage system, laying water mains, etc., by a vote of 143 to 30.

BIDS WANTED

MODESTO, Cal.—Until March 14, 7:30 P. M., bids will be received by H. E. Gragg, City Clerk, Modesto City Council, at 717 Tenth St., Modesto, for the construction of a pressure line and gravity flow line extension to the sanitary sewer system in 19th St., Modesto. The work will involve:

(1) Pump and motor;
(2) 1 dry pit complete with pipe;
(3) 1 wet pit complete with piping, screens, etc.;
(4) 1460.4 lin. ft. 6-in. cast iron pipe line constructed complete;
(5) 471.9 8-in. vitrified pipe line constructed complete;
(6) 861.9 6-in. vitrified pipe line do;
(7) 12 wye branches installed on 6-in. line;
(8) 7 manholes;
(9) 1 lamphole.

Plans and specifications obtainable from above office upon deposit of $10. J. Rossi, 610 10th St., Modesto, City Engineer. Work is partly financed by a PWA grant of $2100.

BOND ELECTION

HAWTHORNE, Cal. — The Hawthorne City Council has set April 9 as the date for an election to vote on a $226,000 sewer bond issue. A PWA loan and grant in that amount has been allocated.

FUNDS APPLIED FOR.

PETALUMA, Sonoma Co., Calif.—City of Petaluma has applied to the Federal Public Works Administration for a loan and grant of $325,000 for the construction of a sewage disposal system, involving a pumping plant, filtering plant, pipe lines, etc.

L. H. Nishkian, 525 Market St., San Francisco, and Prof. Chas. Hyde, University of California, Berkeley, project engineers.

PLANNED

LAS VEGAS, Nevada—A. R. Thompson, City Engineer, has announced that the city sewer project, estimated to cost $116,000, will probably be built by CWA funds. The City's application has been forwarded to the State CWA Board at Reno. The labor is estimated at $78,000 and $38,000 for materials. The city will contribute $16,000 toward the cost of the materials.

33— WATERWORKS

BIDS OPENED.

LOS ANGELES, Cal.—R. H. Travers, 620 S St. Andrews Place, at $23,-000 submitted low bid to the Los Angeles Board of Public Works, Feb. 14, for completion of the Terminal Way pumping plant. The work will involve

Completion of the reinforced concrete pumping structures, gate chamber structure, including furnishing and installing all equipment appurtenant thereto;

Grading and paving plant site, together with construction of walks and curbs, furnishing and applying sulphur silicia compound, metalizing and paint.

The other bids were:

Atlas Construction Co.	$23,500
Dimmitt & Taylor	24,400
Merritt-Chapman & Scott	25,000
Fred F. Greenfield Co.	26,088
Contracting Engineers, Inc.	26,263

CONTRACT AWARDED

FRESNO, Cal.—Utilities Supply Co., 1840 E-15th St., Los Angeles (R. D. Wood & Company, Philadelphia, Pa.), at $20,656 awarded contract by the Fresno City Commission for furnishing (1) 4900 ft. 8-in. pipe; (2) 10,400 ft. 10-in. pipe and (3) 500 ft. 12-in. pipe for the Water Department.

FUNDS ASKED.

ROSEVILLE, Calif.—City of Roseville has applied to the Federal Administration of Public Works for a grant of $96,000 towards the cost of constructing an entire new water system, or a grant of $50,000 towards the cost of purchase of the present water system owned and operated by the Public Utilities California Corp. and constructing extensions to same. Baer & Cunningham, Spalding Bldg., Portland, are the consulting engineers. The work will involve:

Complete New System

Land and right of way, $1000;

Main Supply Line from Intake to the Reservoir

600 lin. ft. 24-in. steel pipe in place, $2,496;
24-in. gate valve and fittings, $324;

Reservoir

15,800 cu. yds. excavation and embankment, $18,960;
1,316 cu. yds. concrete lining, $26,320;
24,000 lbs. reinf. steel, $1,440;
4,800 lin. ft. expansion joints, $2,880;
drainage, $900;
valves and control chamber, $1,300;
chlorinators installed, $1,760;

Transmission Lines

17,100 lin. ft. 24-in. steel pipe in place, $71,136;
24-in. air valves, $505;
2-in. air valves, $110;
8-in. blow-off assemblies, $95;
6-in. blow-off assemblies, $130;
4-in. blow-off assemblies, $90;

Distribution System

200 lin. ft. 20-in. steel pipe, $704;
2,450 lin. ft. 16-in. cast iron pipe, $10,-635;
1,460 lin. ft. 14-in. do, $5,095;
8,710 lin. ft. 12-in. do, $23,691;
1,610 lin. ft. 10-in. do, $3,896;
12,760 lin. ft. 8-in. do, $20,671;
57,500 lin. ft. 6-in. do, $64,975;
1,300 lin. ft. 4-in. do, $1,027;
41,600 lin. ft. 2-in. do, galv. pipe, $10,-816;
two 16-in. valves and housing, $354;
one 14-in. do, $130;
seven 12-in. do, $623;
one 10-in. do, $72;
twelve 8-in. do, $616;
79 6-in. do, $2,797;
two 4-in. do, $38;
81 2-in. do, $1,136;
30 fire hydrants, $1,800;
2,350 ¾-in. services, $17,625;
50 1-in. services, $525;
50 1½x2-in. services, $900;
3,000 sq. yds. paving cuts, $14,400;
Total cost of labor, $130,658.
Total cost of materials, $195,758.

Improvement to existing system if purchased by the city:

Main Supply Line from the Intake to Reservoir

Same as under new system;

Reservoir

Same as under new system;

Transmission Line

2,285 lin. ft. 24-in. steel pipe in place, $9,510;
Transferring air valves and blowoffs, $90.

Distribution System

1,600 lin. ft. 20-in. steel pipe, $5,632;
2,580 lin. ft. do, $11,094;
9,675 lin. ft. 12-in. do, $26,316;
1,120 lin. ft. 10-in. do, $2,397;
5,020 lin. ft. 8-in. do, $8,132;
26,010 lin. ft. 6-in. do, $29,391;
18,120 lin. ft. 2-in. galv. pipe, $4,711;
two 16-in. valves and housing, $354;
four 12-in. do, $356;
two 8-in. do, $103;
36 6-in. do, $1,274;
34 2-in. do, $477;
30 fire hydrants, $1,800;
600 ¾-in. services, $4,500;
cutting over old services, $1,500;
1,225 cu. yds. paving cuts, $5,880.
Total cost of labor, $68,186.
Total cost of materials, $110,209.

PLANNED

SANTA MONICA, Cal.—H. T. Cory, Consulting Engineer, is preparing for the Santa Monica City Planning Commission, data on a proposed water-softening plant estimated to cost $225,000. A further investigation of the water supply is to be made by a committee composed of Howard B. Carter, City Engineer; F. X. Groschan and Frank Kranz.

BIDS OPENED.

SAN FRANCISCO. — Following bids received by the Public Utilities Commission, City Hall, for furnishing and delivering f.o.b. cars at Sunol, the following gate valves for the Calaveras pipe line:

(1) 2 36-in. dia., rising stem, double disc, gate valves for 100 lbs. working pressure;
(2) 1 36-in. dia., rising stem, double disc, gate valve for 215 lbs. working pressure.

Bid No. 1148.

Ludlow Valve Mfg. Co., Troy, N. Y., (1) $2,200.00 (2) $1,645.00.

Columbian Iron Works, San Francisco, (1) $2,290.72 (2) $1,332.84.

Waterworks Supply Co., San Francisco, (1) $2,332.50 (2) $1,531.00.

Chapman Valve Mfg. Co., San Francisco, (1) $2,500.00 (2) $1,650.00.

Jenkins Bros., Oakland, (1) $2,751.-60 (2) no bid.

Joshua Hendy Iron Works, S. F., (1) $5,270.00 (2) $3,495.00.

BOND ELECTION.

SAFFORD, Ariz.—An election will be held March 20 to vote on a $133,000 bond issue to provide a basis for a PWA application for $184,000 for new water supply system to be developed in Bonita Canyon and for the city water distribution system.

PROSPECTIVE BIDDERS

MORGAN HILL, Cal.—The following have procured plans for the rebuilding of the water system and replacing of small mains with cast iron pipe, etc., on which bids will be received March 1, 8 P. M., (as previously reported). C. C. Kennedy, Call Bldg., San Francisco, Consulting Engineer:

Chas. S. James Co., 525 Market St., San Francisco.

R. McNair, 834 Mead St., Oakland.

E. W. Heple, 494 Delmas Ave., San Jose.

Scott Co., 248 Minna St., San Francisco.

Frederick W. Snook Co., 596 Clay St., San Francisco.

Case Constr. Co., Inc., 1727 Thayer Ave., Los Angeles.

Geo. C. DeGolyer, Federal Telegraph Bldg., Oakland.

Cement Gun Constr. Co., 85 Second St., Room 704, San Francisco.

L. Piazza, 296 N-Sixth St., San Jose.

W. J. Tobin, 370- Balfour Ave., Oakland.

J. J. Ongara, 50 Winship Ave., San Anselmo.

Oakland Sewer Constr. Co., 9915 Walnut St., Oakland.

Herman Lawson Co., 465 Tehama St., San Francisco.

P. L. Burr, 320 Market St., San Francisco.

H. E. Conner, 1222 Whipple Ave., Redwood City.

AWARD.

RED BLUFF, Tehama Co., Calif.—Bids were received as follows by the Red Bluff City Council for furnishing chlorinator and pump for the city water works:

Chemical Equipment Corp., 223 Center St., Los Angeles, Prop. No. 1, $550; Prop. No. 2, $750; Prop. No. 3, $550.

Wallace & Tiernan Sales Corp., San Francisco, Prop. No. 1, $821; Prop. No. 2, $890; Prop. No. 3, $1166.

Contract awarded to low bidder.

February 23, 1934

BIDS WANTED.

SAN FRANCISCO.—Until March 5, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing one Venturi meter, complete for 44-in. steel pipe line.

Specifications obtainable from above office.

CONTRACT AWARDED

SANTA CLARA, Cal. — National Cast Iron Pipe Co., 571 Mission St., San Francisco, at $1769.65 awarded contract by the Santa Clara City Council, for furnishing cast iron pipe and fittings, as follows:

(1) 1506 lin. ft. 6-in. cast iron pipe;
(2) 1750 lin. ft. 4-in. cast iron pipe;
(3) 3 each 6x6x6 Class D, bell end tees;
(4) 2 each, 6x22½-deg. Class D B & S curves;
(5) 2 each, 6x4 reducers;
(6) 2 each, 4-in. plugs;

F. o.b. Santa Clara.

Complete bids follow:

National Cast Iron Pipe Co., San Francisco, $1769.65.
Utilities Supply Co., San Francisco, $1790.48.
American Cast Iron Pipe Co., San Francisco, $1793.53.
United States Pipe & Foundry Co., San Francisco, $1794.51.
Grinnell Co. of the Pacific, San Francisco, $1809.23.
Pacific States Cast Iron Pipe, San Francisco, $1830.62.

A. J. Cronin, City Clerk.

34—PARKS AND PLAY-GROUNDS

BIDS OPENED.

MONTEREY, Monterey Co., Calif.—West Coast Nursery, Palo Alto, at $677 submitted low bid to Custodian, Monterey post office, for seeding and planting the grounds of the post office at Monterey. Following bids received:

West Coast Nursery, Palo Alto	$ 677.00
California Nursery, Niles	872.00
Chas. P. Nott, Monterey	1100.00
A. E. Jones, Pacific Grove	1271.75
Alternate	954.50

Bids referred to Washington for award.

BIDS WANTED.

SUMAS, Wash.—Until Feb. 26, bids will be received by the Custodian, Sumas Post Office for seeding and planting the grounds at the post office.

BIDS OPENED.

PALO ALTO, Santa Clara Co., Cal.—Walter Hoff, 580 Market St., San Francisco, at $527 submitted low bid to Custodian, Palo Alto Post Office for seeding and planting grounds at the post office in Palo Alto. Following bids received:

Walter Hoff, San Francisco	$ 527
Jos. Volta, Los Gatos	540
Pacific Nursery, Colma	692
California Seed & Plant, Colma	824
California Nursery, Niles	830
Robert Carmack, Redwood City	1,974

Bids held under advisement.

29—STREETS AND HIGHWAYS

AWARD.

LOS ANGELES COUNTY, Calif.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $48,609.04 was

awarded contract by the Los Angeles County Supervisors for improving Washington Blvd. from Atlantic Blvd. to Anaheim - Telegraph Road, about 1.47 miles.

Geo. W. Jones, county road commissioner.

BIDS WANTED

SUNNYVALE, Santa Clara Co., Cal. —Until March 7, 11 A. M., bids will be received by Public Works Officer, 12th Naval District, 100 Harrison St., San Francisco, for improvements to roads at the Naval Air Station, Sunnyvale. Spec. No. 7586. Work involves, asphalt macadam to be applied on watermound macadam road and resurface of existing road. Plans and specifications available from above office upon deposit of $5.

AWARD

LYON & CHURCHILL COUNTIES, Nevada—George French Jr., P. O. Box 107, Stockton, Cal., at $41,047 awarded contract by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Carson City, for oiling 18.53 miles in Lyon and Churchill Counties, between 9½ miles northeast of Dayton and 12 miles west of Lahontan, and between 2 miles west of Lahontan and Leetevllle; Route 2A, Sections C1, C3, A and B.

Jack Casson, Hayward, Cal., submitted second low bid at $45,186.61.

BIDS WANTED.

TILLAMOOK COUNTY, Ore.—Until February 28, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, for surfacing 4.4117 miles of the McMinnville-Tillamook Highway Project NR-1-A2, B1, National Forest Rd. Project, located within the Siuslaw National Forest, in Tillamook County, involving:

(1) 28,000 cu. yds. subgrade reinf. in stockpiles;
(2) 1,750 cu. yds. suppl. crushed rock or crushed gravel, Class A;
(3) 550 cu. yds. do, Class B;
(4) 1,200 cu. yds. do, Class C;
(5) 500 cu. yds. do, Class D;
(6) all lump, preparation of stockpile sites.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED.

HAMILTON FIELD, Marin Co., Cal. —F. J. Main, Fairfax, at $3,770.30 was awarded contract by the Constructing Quartermaster, Hamilton Field, for the construction of sidewalks and driveways at Hamilton Field.

CONTRACT AWARDED

DOUGLAS COUNTY, Nevada—Jack Casson, Hayward, Cal., at $55,530.34 awarded contract by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Carson City, Nevada, for grading and surfacing 3.99 miles in Douglas County, betkeen Minden and 4 miles south.

Union Paving Company, San Francisco, submitted second low bid at $58,865.61.

CONTRACT AWARDED

LYON COUNTY, Nevada — Isbell Construction Co., Carson City, Nev., at $58,464.50 awarded contract by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Carson City, for grading and surfacing 12.11 miles of Route 2B, Section A, in Lyon County, between Yerington and Wabuska.

Union Paving Company, San Francisco, submitted second low bid at $66,240.72.

AWARD

LANDER COUNTY, Nevada—J. C. Compton, McMinnville, Oregon, at $45,786.62 awarded contract by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for oiling 15.92 miles of Route 2, Section B, in Lander County.

Jack Casson, Hayward, Cal., submitted second low bid at $48,381.27.

CONTRACT AWARDED

WASHOE COUNTY, Nevada—Fredrickson & Watson Constr. Co., and Fredrickson Bros., 873 81st Avenue, Oakland, at $229,520.31 awarded contract by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Carson City, for reconstructing 13.31 miles of Route 1, Sections C2, C3, D1 and D2, between Clark and Wadsworth, in Washoe Co.

Union Paving Co., San Francisco, submitted second low bid at $230,796.12

BIDS WANTED

MADERA COUNTY, Cal. — Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 4.1 mi. between Hadwkins School and Oakhurst, in Madera County, involving:

(1) 36 acres clear and grubb R/W;
(2) 240,000 cu. yds. rdwy. excav. unclass;
(3) 1,100,000 sta. yds. overhaul;
(4) 2317 cu. yds. struc. excacv.;
(5) 115 cu. yds. Class A Portland cement conc. strucs.;
(6) 48 cu. yds. Class A Port. cem. conc. timber trestle slab;
(7) 15,500 lbs. bar reif. steel;
(8) 54 lin. ft. 12-in. CMP;
(9) 1690 lin. ft. 18-in. CMP;
(10) 672 lin. ft. 24-in. CMP;
(11) 220 lin. ft. 30-in. CMP;
(12) 130 lin. ft. 36-in. CMP;
(13) 215 lin. ft. 48-in. CMP;
(14) 86 lin. ft. 8-in. perf. met. pipe underdrains;
(15) 30.57 M.F.B.M. dense select allheart struc. grade redwood timber;
(16) 49.43 M.F.B.M. select allheart struc. grade redwd. timber;
(17) 1240 lin. ft. furnish creosoted Douglas fir piles;
(18) 54 each driving piles;
(19) 9250 M. gals. water;
(20) 510 cu. yds. heavy riprap;
(21) 24,700 lbs. struc. steel;
(22) 0.2 mile existing property fence to be removed and reset;
(23) 8.1 miles new property fence;
(24) 25 each fence gates;
(25) 25 each timber guide posts;
(26) 54 each timber culvert markers;
(27) 217 stations finishing roadway.
(28) 132 each monuments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at th district in which the work is situated.

BIDS WANTED.

KERN COUNTY, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading 6.1 miles between Sivert and Haypress Canyon in Kern County, involving:

(1) 240,000 cu. yds. rdwy. excav., unclassification;
(2) 2,660 cu. yds. struc. excav.;
(3) 2,500,000 sta. yds. overhaul;
(4) 7,076 M. gals. water;
(5) 17.3 MFBM dense select all-heart struc. grade redwood timber;
(6) 97.2 MFBM select all-heart do;
(7) 910 lin. ft. furnish redwood piles, nicluding test pile;
(8) 36 each driving redwood piles, do;
(9) remove and dispose of existing timber bridge;
(10) 940 cu. yds. light riprap;
(11) 250 bbls. light fuel oil;
(12) 40 cu. yds. Class A Port. cement concrete struc.;
(13) 2,000 lbs. bar reinf. steel struc.;
(14) 21 each spillway assemblies;
(15) 232 lin. ft. 8-in. CMP;
(16) 836 lin. ft. 18-in. CMP;
(17) 718 lin. ft. 24-in. CMP;
(18) 268 lin. ft. 30-in. CMP;
(19) 350 each guide posts;
(20) 320 lin. ft. laminated timber gd. rail;
(21) 4 cu. yds. existing Portland cem. concrete, remove and dispose of
(22) 43 each timber culvert markers;
(23) 1.1 miles new property fences;
(24) 10 each fence gates complete in place;
(25) 5.5 miles existing property fences to be removed and reset;
(26) 324 stations finish roadway;
(27) 160 each monuments complete in place.

Plans and specifications obtainable from the above office, and on file at the offices of the District Engineeers in Los Angeles and San Francisco, and in the district in which the work is located.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $28,740 awarded contract by State Highway Commission, Sacramento, for paving with asphalt concrete about 1 mile at Gilroy, Santa Clara County.

Complete bids published Jan. 18.

CONTRACT AWARDED.

COOS COUNTY, Ore.—The United Contracting Co., Portland, at $13,524 awarded contract by the Oregon State Highway Commission, Portland, for resurfacing Marshfield Section of Oregon Coast Highway, National Recovery Project No. NRM 141-D, in Coos County.

Northwest Roads Co., Portland, submitted second low bid at $14,356.

CONTRACT AWARDED.

COOS COUNTY, Ore.—R. I. Stuart, Medford, at $4381 awarded contract by the Oregon State Highway Commission, Portland, for paving Coquille Section of Oregon Coast Highway, National Recovery Project No. NRM 111-B in Coos County.

R. H. Baldock, state highway engineer.

AWARD

TRINITY COUNTY, Cal.—Harms Bros., 5220 21st St., Sacramento, at $40,076.90 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section E of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County.

AWARD.

DESCHUTES COUNTY, Oregon. — Northwest Roads Co., Portland, at $34-827 awarded contract by the Oregon State Highway Commission, Portland, for resurfacing Bend Section of The Dalles-California and Central Oregon Highways, National Recovery Projects Nos. NRM 123-D and NRM 147-E in Deschutes County. Other bidders were:

United Contr. Co., Portland, $35,448.

Newport Const. Co., Portland, $35,-955.00.

J. C. Compton, McMinnville, Ore., $37,551.

Morrison-Knudsen Co., Boise, Ida., $42,065.

R. H. Baldock, state highway engineer.

AWARD.

SHASTA CO., Cal.—Harold Smith, 1427 Kearny St., St. Helena, Cal., at $34,770 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for placing crushed rock subgrade reinforcement on 4.-488 miles of Section A of Route 75,

the Manzanita Lake National Forest Highway, Lassen National Forest, Shasta County.

AWARD.

MALHEUR COUNTY, Ore.—Chester T. Lackey, Ontario, Ore., at $8700.00 awarded contract by the Oregon State Highway Commission, Portland, for furnishing crushed gravel in stock piles on Ontalo Rock Production Project, on Old Oregon Trail in Malheur County.

Other bidders were:

Quinn Robbins Co., Portland	$11,150
A. A. Hardesty, Portland	13,055
Newport Const. Co., Portland	15,300

R. H. Baldock, state highway engineer.

BIDS REJECTED.

BAKER COUNTY, Ore.—All bids rejected by the Oregon State Highway Commission, Portland, for furnishing crushed gravel in stock piles on Baker Rock Production Project on the Old Oregon Trail in Baker County.

Dunn & Baker, Klamath Falls, at $6900 submitted low bid; Newport Const. Co., Portland, second low at $10,460.

AWARD.

UMATILLA COUNTY, Ore.—Northwest Roads Co., Portland, at $4,843.00 awarded contract by the Oregon State Highway Commission, Portland, for applying penetration type bituminous macadam on East Pendleton Section of Old Oregon Trail, National Recovery Project No. NRM 38-B, in Umatilla County.

J. C. Compton, Portland, at $5,092 submitted second low bid.

R. H. Baldock, state highway engineer.

BIDS REJECTED.

TILLAMOOK CO., Ore.—All bids received by the Oregon State Highway Commission, Portland, for furnishing crushed rock in stockpiles on Wheeler - Kilchis River Rock Production Project, Oregon Coast Highway, State Project, in Tillamook County.

Arthur A. Hardesty, Portland, submitted low bid at $12,895.00.

R. H. Baldock, state highway engineer.

AWARD.

LANE COUNTY, Oregon.—Cascade Const. Co., Portland, at $4,956 awarded contract by the Oregon State Highway Commission, Portland, for resurfacing and pavement widening on Springfield Section of McKenzie Highway, National Recovery Project No. NRM 117-B.

R. H. Baldock, state highway engineer.

BIDS REJECTED.

MORROW COUNTY, Ore.—All bids received by the Oregon State Highway Commission, Portland, for furnishing crushed rock in stockpiles on Heppner Rock Production Project, Oregon-Washington Highway in Morrow Co., were rejected.

Arthur A. Hardesty, Portland, submitted low bid at $6,315.

CONTRACT AWARDED

SOLANO COUNTY, Cal.—F. O. Bohnett, Campbell, Cal., at $34,904 awarded contract by the State Highway Commission, Sacramento, for grading about 0.63 miles between 1.3 miles south of Cordelia and 0.7 miles south of Cordelia, and construction of two concrete abutments for an undergrade crossing, in Solano County.

AWARD

SAN MATEO COUNTY, Cal.—D. McDonald, 204 23rd St., Sacramento, Jones & King, Jackson St., Hayward and F. O. Bohnett, Campbell, at $178,546 awarded contract by the State Highway Commission, Sacramento, for grading and paving about 2 miles with asphalt concrete, between Edgemar Road and State Highway Rout 2, in San Mateo County.

Award of the above contract was delayed due to injunction proceedings filed by San Francisco Labor Unions to determine the application of the Wage Scales established by the California Recovery Act Code of the Excavator and Dump Truck Contractors. The injunction was dissolved by decision of the Sacramento County Superior Court, Judge Peter J. Shields, February 16.

AWARD.

JOSEPHINE COUNTY, Ore.—A. E. Wallace, Roseburg, Ore., at $8,940.00 awarded contract by the Oregon State Highway Commission, Portland, for furnishing crushed gravel in stockpiles on California Line - Hayes Hill Rrock Production Project on the Redwood Highway, in Josephine County.

Other bidders were:

M. C. Lininger & Sons, Portland	$ 9,450
R. I. Stuart & Sons, Medford	12,300
Homer G. Johnson, Portland	13,920
Parkar Schram Co., Portland	14,370

R. H. Baldock, state highway engineer.

AWARD.

KLAMATH COUNTY, Ore.—Dunn & Baker, Klamath Falls, at $105,467.00 awarded contract by the Oregon State Highway Commission, Portland, for surfacing 9.12 miles and applying penetration type bitumious macadam on Midland-California Line Section of the Klamath Falls - Weed Highway, National Recovery Projects Nos. NRH 205-A and NRH 205-B, in Klamath County.

Other bidders were:

E. C. Hall, Portland	$108,777
Joplin & Eldon, Portland	112,866
A. Milne, Portland	114,627

BIDS WANTED.

CLARK COUNTY, Nev.—Until Mar. 8, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 11, the Mt. Charleston National Forest Highway, Dixie National Forest, in Clark County, involving:

(1) 72,700 cu. yds. unclass excav.;
(2) 750 cu. yds. unclass. excav. for structures;
(3) 56,000 sta. yds. overhaul;
(4) 3.652 miles finish earth graded rd.
(5) 25 MFBM treated timber;
(6) 41 cu. yds. concrete;
(7) 300 lbs. reinf. steel;
(8) 15 cu. yds. dry rubble masonry;
(9) 1,270 lin. ft. corru. metal pipe;
(10) 378 lin. ft. remove and relay or stockpile existing CMP culverts;
(11) 89 each right of way monuments
(12) 150 sq. yds. asphaltic seal coat for bridge floors.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED.

CLARK COUNTY, Nev.—Until Mar. 8, 2 P. M., bids will be received by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and surfacing Section A of Federal Lands Highway Project No. 7, NRPL 7-A, Charleston Park Road, Clark County, involving:

(1) 165,900 cu. yds. unclass. excav.;
(2) 1,860 cu. yds. unclass. excavation, structures;
(3) 158,000 sta. yds. overhaul;
(4) 46,700 tons crushed gravel for surf. course;
(5) 2,100 tons supple. crushed gravel;
(6) 1,475 M. gals. watering;
(7) 310 tons liquid asph. road material, Type MC-1;
(8) 362,000 gals. do, type SC-2;
(9) 17.619 miles mix and roll bit. tr. surfacing;
(10) 65 MFBM treated timber;
(11) 126 cu. yds. concrete;
(12) 1,250 lbs. reinf. steel;
(13) 17 cu. yds. dry rubble masonry;
(14) 2,714 lin. ft. corru. metal pipe;
(15) 4 each type A spillway inlets;
(16) 636 lin. ft. remove and relay or stockpile existing CMP;
(17) 8,510 lin. ft. diversion ditches;
(18) 14 each right of way monuments;
(19) 342 sq. yds. asph. seal coat for bridge floors;
(20) 1,300 lin. ft. remove and reset fence;
(21) 1 each cattle guard in place.

Plans and specifications obtainable from above office upon deposit of $10.

AWARD

YAKIMA COUNTY, Wash.—Albertson & Cornell Bros., Tacoma, Wash., at $89,875 awarded contract by the Washington Highway Department, Olympia, Wash., for paving with Portland cement concrete about 1.2 miles of State Road No. 5 on Fifth Avenue and Walnut Street, in the City of Yakima. U. S. Public Works Project No. NRM 161-D, in Yakima County.

Goetz & Brennan, Seattle, Wash., at $91,781 submitted second low bid; third, Midstate Contract Co., Yakima, Wash., at $91,903.

L. V. Murrow, State Director of Highways.

BIDS WANTED

STANISLAUS COUNTY, Cal.—Until March 14, 2 P. M., ids will be received by the State Highway Commission, Sacramento, for grading and paving about 2.2 miles between one-half mile south and one mile narth of Turlock, with asphalt concrete, in Stanislaus County, involving:

(1) 54 each trees to be removed and disposed of;
(2) 10,200 cu. yds. rdwy. excav., unclass.;
(3) 52,500 sta. yds. overhaul;
(4) 985 cu. yds. struc. excav.;
(5) 120 cu. yds. exist. pavement and struc. to be removed and disposed of;
(6) 27,500 sq. yds. prep. subgr. for pavement;
(7) 27,000 sq. yds. asph. paint binder;
(8) 15.730 tons asphalt concrete;
(9) 400 lin. ft. 12-in. CMP;
(10) 60 lin. ft. 18-in. CMP;
(11) 90 lin. ft. 24-in. CMP;
(12) 224 lin. ft. 24-in. CMP close riveted and soldered;
(13) 204 lin. ft. 15-in. part circle CMP;
(14) 200 lin. ft. salvaging existing culverts;
(15) 800 concrete joints pipe culverts;
(16) 9 each cast steel frames and covers for drop inlets;
(17) 85 cu. yds. Class A Port. cem. conc. strucs.;
(18) 3900 lbs. bar reinf. steel strucs.;
(19) 420 M. gals. water;
(20) 0.25 miles exist. property fence to be removed and reset;
(21) 1.0 mile new property fence;
(22) 6 each fence gates;
(23) 1100 bbls. heavy fuel oil;
(24) 00.4 m. sq. yds. preparing mixing and shaping earth shoulders;
(25) 91 sta. finishing roadway;
(26)36 each mounments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

SISKIYOU COUNTY, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfac-

ing about 7.5 miles in length, with crusher run base, between Moffett Creek and Forest House, in Siskiyou County, involving:
(1) 28,500 cu. yds. rdwy. excav. unclass.;
(2) 84,000 sta. yds. overhaul;
(3) 100 cu. yds. struc. excav.;
(4) 10,300 cu. yds. untreat. cru. gravel or stone surfacing;
(5) 156 sta. reshaping roadbed;
(6) 1225 M. gals. water;
(7) 1105 bbls. heavy fuel oil;
(8) 10 lin. ft. 8-in. conc. pipe, clean and relay;
(9) 28 lin. ft. 8-in. CMP;
(10) 4 lin. ft. 10-in. CMP;
(11) 258 lin. ft. 12-in. CMP;
(12) 36 lin. ft. 18-in. CMP;
(13) 56 lin. ft. 24-in. CMP;
(14) 122 lin. ft. 30-in. CMP;
(15) 52 lin. ft. 36-in. CMP;
(16) 398 sta. finish roadway.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in Los Angeles and San Francisco, and at the district in which the work is located.

BIDS WANTED.

SAN DIEGO, Cal.—Until March 1, 11 A. M., bids will be received by Capt. DeWitt C. Webb, Public Works Officer, Headquarters 11th Naval District, foot of Broadway, San Diego, under Spec. 7607, for asphalt surface on plank roadway at the Naval Operating Base (Air Station), San Diego, consisting of crushed rock and emulsified asphalt installed by the penetration method; also the installation of cast iron drains in the middle of the pavement and other miscellaneous work as required to complete the project.

Specifications obtainable from the above office upon deposit of $10.00.

CONTRACT AWARDED

BEVERLY HILLS, Cal.—Southwest Paving Co., Lankershim Bldg., Los Angeles, at $6570.44 awarded contract by the Beverly Hills City Council for resurfacing camden Drive, between Santa Monica Blvd. and Benedict Canyon Drive.

B. J. Firminger, City Clerk.

CONTRACT AWARDED

THURSTON COUNTY, Wash.—C. E. Henriot, Chehalis, Wash., at $6819 (Schedule B) awarded contract by the Washington Highway Department, Olympia, Wash., for constructing a bituminous surface by the bituminous macadam method on about 1.1 miles of the Olympia-Litt Rock Road from junction with State Road No. 1, south, U. S. Public Works Project No. NRS 207-A, in Thurston County.

Diesel Oil Sales Co., Seattle, Wash., at $7971 (Schedule A) and at $8194 (Schedule B) submitted second low bid.

J. W. Forbes, Olympia, $6983 (Schedule B); Standard Asphalt Paving Co., Spokane, $7763 (Schedule B).

L. V. Murrow, State Director of Highways.

AWARD

WHATCOM COUNTY, Wash.—J. M. Riddle, Bellingham, Wash., at $14,336 awarded contract by the Washington Highway Department, Olympia, Wash., for paving with Portland cement concrete abount 0.7 miles of State Road No. 1, in the City of Bellingham, U. S. Public Works Project No. NRM 130-E, in Whatcom County.

Alex Lind, Bellingham, second low bidder at $14,457; third, Jansen & Whipple, Bellingham, at $14,995.

L. V. Murrow, State Director of Highways.

AWARD RECOMMENDED.

SHASTA COUNTY, Cal.—U. S. Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, has recommended award to A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $134,538.10 for grading Section F of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Lassen National Forest, Shasta County

AWARD.

LINCOLN COUNTY, Wash. — Redmon-Turner, Inc., Yakima, at $76,121 awarded contract by the Washington State Highway Department, Olympia, for grading and surfacing about 4.1 miles of State Road No. 11, Sprague to Cheney Revision, U. S. Public Works Project No. NRH 133-D in Lincoln County.

Clifton & Applegate, Spokane, submitted second low bid at $79,379; third, Columbia Power and Inv. Co., Stevenson, Wash., $79,936.

L. V. Murrow, state director of highways.

AWARD

KLAMATH COUNTY, Oregon — Dunn & Baker, Klamath Falls, Oreg., at $20,721 awarded contract by the Oregon State Highway Commission, Portland, Oregon, for grading 1.9 mi. Midland California Line Section of Klamath Falls-Weed Highway, Nat'l. Recovery Project No. NRH 205-B, in Klamath County. Other bidders were:

E. C. Hall, Portland	$22,866
G. I. Stebbins, Portland	23,623
Joplin & Eldon, Portland	22,381
Parker-Schram Co., Portland	26 108

R. H. Baldock, Engineer.

BIDS WANTED.

WASHINGTON STATE—Until Mar. 6, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for highway construction as follows:

Lincoln County

Grading and surfacing about 1.9 mi. of State Road No. 2, Hawk Creek to Telford, Federal Public Works Project in Lincoln County, involving:
(1) 25,390 cu. yds. excavation;
(2) 14,030 cu. yds. crushed stone surf. and oil rock;
(3) 228 lin. ft. pipe culverts;
(4) misc. items of work.

Kittitas and Yakima Counties

Stockpiling about 15.770 cu. yds. of crushed stone oil rock for about 19.8 miles of State Road No. 7, Ellensburg to Alkali Ikes, in Kittitas County, and stockpiling 6.420 cu. yds. of crushed stone oil rock for about 18.6 miles of State Road No. 8, Toppenish Ridge to Klickitat County line, in Yakima Co., Sections 1 and 2 of Federal Public Works Project.

Grays Harbor and Jefferson Cos.

Surfacing with crushed stone about five miles, Swamp Creek North, and stockpiling crushed stone oil rock for about 34.45 miles, State Road No. 9, Quinault river to Cedar creek, Federal Public Works Project in Grays Harbor and Jefferson Counties, involving:
(1) 6,260 cu. yds. excavation;
(2) 22,610 cu. yds. crushed stone surfacing and oil rock.
(3) misc. items of work.

Jefferson and Clallam Counties

Stockpiling about 18.550 cu. yds. of crushed stone surfacing and oil rock for about 88 miles of State Road No. 9, Cedar Creek to Port Angeles, Federal Public Works Project in Jefferson and Clallam Counties.

Whitman County

Stockpiling about 25,420 cu. yds. of crushed stone surfacing and oil rock for about 17.9 miles of the Inland Empire Highway, Eastern Route, Section 1, Juncton State Road No. 3 to Oaksdale, and Section 2, Idaho State Line to Colton, Federal Public Works Project, in Whitman County.

Plans and specifications obtainable from above office upon deposit of $2 for each set.

BIDS OPENED

MULTNOMAH COUNTY, Oregon—Parker Schram Co., Couch Bldg., Portland, at $162,091 submitted low bid to R. H. Baldock, State Highway Engineer, Portland, February 15, for grading and paving 1.97 miles of the North Unit, Portland Milwaukee Section of East Portland Oregon City Highway, Project No. NRM 168-D and NRH 168-E. Complete bids follow. All bidders of Portland.

Parker Schram Co.	$162,091
Harold Blake	162,751
Edlefsen Weygandt Co.	172,635
United Contracting Co.	186,121
Kern & Kibbee	-186,982
Jacobsen-Jensen Co.	202,336

All bids held under advisement.

AWARD

the Oregon State Highway Commis-
UMATILLA COUNTY, Oregon—gon, at $8250 awarded contract by Arthur A. Hardesty, Portland, Oregon, Portland, for furnishing crushed rock in stock piles on Pendleton Rock Production Project on Oregon-Washington Highway and Old Oregon Trail, in Umatilla County. Other bidders all of Portland, were:

Schmeer & Williams	$ 9,890
Jossin & McAllister	9,930
Newport Constr. Co.	14,310

R. H. Baldock, Engineer.

AWARD

UNION COUNTY, Oregon — Northwest Roads Co., Partland, at $4403 awarded contract by the Oregan State Highway Commission, Portland, for applying penetration type macadam on La Grande Rock Section of Old Oregon Trail, National Recovery Project No. NRM 80-B, in Union County.

J. C. Compton, Portland, submitted second low bid on (tar) at $4870.

R. H. Baldock, Engineer.

BIDS OPENED

NAVAJO COUNTY, Arizona—Leo Frost, Joseph City, Arizona, at $2069.50 submitted low bid to Bureau of Public Roads, Phoenix, for improving route 12, Globe-Holbrook Highway, portion of Section "L" in Navajo County. The length of the project is 7,576, involving:
(1) 2950 cu. yds. selected material for subgrade reinforcement.
(2) 6100 cu. yd. mi. hauling selected material for subgrade reinforcement.

Bidders were:
Leo Frost, St. Joseph City (1) $.35; (2) $.17, total, $2069.50.
R. S. Black, Clifton, (1) $.42; (2) $.14, total, $2093.
Rogers Bros., Snowflake, (1) $.50; (2) $.18, total, $2573.
Engineer's Estimate, (1) $.45; (2) $.15 total, $2242.50.

Award recommended to low bidder.

POSTPONEMENT.

TILLAMOOK COUNTY, Ore. — The U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, has postponed the bid opening which was to take place February 16, 10 A. M., for surfacing the McMinnville-Tillamook Highway Rock Project N.R. 1A2, B1, National Forest Road Project, located within the Siuslaw National Forest. The postponement was made in order to give interested bidders time to conform to provisions of the code of fair competition for the crushed stone, gravel and slag industries.

BIDS WANTED.

TULARE CO., Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 8.1 miles between Visalia and Merryman in Tulare County, involving:

(1) clear and grub right of way;
(2) 20,000 cu. yds. rdwy. excav.;
(3) 105,000 cu. yds. imported borrow;
(4) 6,600 cu. yds. struc. excav.;
(5) 15,000 sta. yds. overhaul;
(6) 24,000 tons crusher run base;
(7) 29,500 tons asphalt concrete;
(8) 4,200 sq. yds. asph. paint binder;
(9) 2,310 cu. yds. Class A Port. cem. concrete struc.;
(10) 1,400 cu. yds. remove and dispose of Port. cem. conc. and brick in pavement and structures;
(11) 20 cu. yds. drainage sumps;
(12) 236,400 lbs. bar reinf. steel struc.;
(13) 0.2 mile new property fence;
(14) 8.0 miles existing property fence to be moved and reset;
(15) 60 each culvert markers;
(16) 110 each guide posts;
(17) 9 each concrete joints;
(18) 4,700 bbls. heavy fuel oil detours and shoulders;
(19) 600 bbls. light fuel oil prime coat;
(20) 45 each gates;
(21) 5,000 M. gals. water;
(22) 430 stations mixing oil on detours and shoulders;
(23) 975 lin. ft. concrete pipe, clean and relay;
(24) 540 lin. ft. laminated timber gd. rail;
(25) 1,233 lin. ft. solid timber guard rall struc.;
(26) 24 lin. ft. CMP clean and relay;
(27) 1,346 lin. ft. 12-in. CMP;
(28) 784 lin. ft. 18-in. CMP;
(29) 20 lin. ft. 24-in. CMP;
(30) 124 lin. ft. 24-in. CMP siphon close, rivet and solder;
(31) 72 lin. ft. 30-in. do;
(32) 144 lin. ft. 36-in. CMP;
(33) 932 lin. ft. part circle culverts;
(34) 430 stations finishing roadway;
(35) 48 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in Los Angeles and San Francisco, and in the district in which the work is situated.

BIDS WANTED.

SAN BERNARDINO and Riverside Counties, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 608 miles of traffic stripe to be applied to existing pavement in San Bernardino and Riverside Counties at various locations, involving:

(1) 387 miles painting traffic stripe over existing stripe;
(2) 221 miles spotting for new traffic stripe;
(3) 221 miles painting for new traffic stripe.

Specifications obtainable from the above office and on file at the offices of the District Engineers in Los Angeles and San Bernardino, and in the district in which the work is situated.

AWARD RECOMMENDED

LOS ANGELES COUNTY, Cal.—C. H. Sweetser, District Engineer, Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, has recommended Wm. Von Dr Hellen and C. B. Pierson, Castaic, Cal., at $122,275.60 for award for grading Section B of Route 60, Arroyo Seco National Forest Highway, Angeles National Forest in Los Angeles County.

Wm. Von Der Hellen, et al, submitted second low bid.

AWARD.

LOS ANGELES COUNTY, Calif.—C. O. Sparks, 2309 E 9th St., Los Angeles, at $59,658.09 awarded contract by the Los Angeles County Supervisors for improving Torrance Boulevard from Madrona Ave. in Torance to South Susana Avenue in Redondo Beach, 9414 lin. ft. or 1.78 miles, under Cash Contract No. 459.

Geo. W. Jones, County Road Commissioner.

AWARD

UNION COUNTY, Oregon—Jones-Scott, Walla Walla, Wash., at $8755 awarded contract by the Oregon State Highway Commission, Portland, for furnishing crushed gravel in stock piles on La Grande Rock Production Project, on old Oregon Trail and Wallowa Lake Highway, in Union County.

Other bidders, all of Portland, were:

Homer G. Johnson	$10,815
Arthur A. Hardesty	11,687
Newport Constr. Co.	13,132

R. H. Baldock, Engineer.

AWARD.

LOS ANGELES COUNTY, Calif.—Koopman-Wright Co., 4735 E 52nd Dr., Los Angeles, at $20,795.23 awarded the contract by Los Angeles County Supervisors for improving Citrus Ave. from 100 ft. north of the south boundary of the city of Covina, under Cash Contract No. 462.

Complete bids published January 25.

Geo. W. Jones, County Road Commissioner.

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending February 22:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Geo. H. Corse, et al, 405 Montgomery St., San Francisco	Oil Terminal, Rough and Ready Island, Stockton	Chicago Bridge & Iron Works, S. F.	$ 50,000.00	Jan. 29
Los Angeles City (Bd. of Public Works)	Grading and Paving, Los Angeles	Martter & Bock, Los Angeles	$ 24,464.51	Jan. 30
San Francisco City (Dept. of Public Works)	Steam generator plant, Laguna Honda Home, San Francisco	F. W. Snook, S. F.	$ 92,744.00	Jan. 31
Albany, Alameda County	Street Lighting System, Albany	A. Soda & Son, Oakland	$ 10,849.00	Jan. 31
Escondido Mutual Water Co.	Pipe line, Escondido	Consolidated Steel Cpn. Los Angeles	$ 61,648.15	Feb. 9
San Francisco City (State Bd. of Harbor Commissioners)	Pier Repairs, Pier No. 39	California Gunite Co., Burbank	$ 14,012.50	Feb. 1
Los Angeles City (Metropolitan Water District)	East Eagle Mountain Tunnel	Broderick & Gordon, Mecca, Calif.	$912,720.00	Feb. 2
Los Angeles City (Bd. of Public Works)	Van Nuys Blvd. Improvement	H. E. Cox & Son, Pasadena	$ 23,554.67	Feb. 3
Los Angeles City (Metropolitan Water District)	Coachella Tunnels, Schedule 7	Metrop. Water Dist., (Force Account)	$1,325,000.00	Feb. 2
Los Angeles City (Metropolitan Water District)	Coachella Tunnels, Schedule 8	Metrop. Water Dist., (Force Account)	$1,814,860.00	Feb. 2
Directors of Joint Highway District No. 19	Monte Rio Bridge, Sonoma and Mendocino Cos., Foundations and Reinforcing Steel	J. P. Brennan, Redding	$ 57,606.80	Feb. 9
Directors of Joint Highway District No. 19	Monte Rio Bridge, Sonoma and Mendocino Cos., Struc. Steel	Judson - Pacific Co., San Francisco	$ 38,201.12	Feb. 9
San Joaquin County (Board of Supervisors) Stockton	Bridge Repairs, San Joaquin Co.	G. W. Jacobs, Stockton	$ 9,887.00	Feb. 13
Santa Cruz Portland Cement Co., San Francisco	Silos, Portland, Oregon	Dinwiddie Const. Co., San Francisco	$ 100,000.00	Feb. 14
Seattle (Board of Public Works)	Driving piles, Seattle	Manson Const. & Eng. Co., Seattle	$ 50,446.00	Feb. 16
Los Angeles County (Board of Supervisors)	Street Improvement, Los Angeles County	C. O. Sparks, Los Angeles	$ 59,658.09	Feb. 20
Los Angeles County (Board of Supervisors)	Citrus Avenue Imp., Los Angeles County	Koopman-Wright Co., Los Angeles	$ 20,795.23	Feb. 20
Los Angeles County (Board of Supervisors)	Improving Washington Blvd., Los Angeles County	Griffith Co., Los Angeles	$ 48,609.04	Feb. 20

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

MOHAVE CO., ARIZ. — Sect. B. Kingman-Boulder Dam — (Govt.)

MOHAVE COUNTY, Arizona.—M. J. Bevanda, Elks Bldg. Stockton, at $351-298.55 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Sec. B of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave Co., Ariz. The work involves:

(1) 387,550 cu. yds. unclass. excav.;
(2) 4,560 cu. yds. do. for struc.;
(3) 100,000 sta. yds. overhaul;
(4) 10.772 miles finish earth graded road;
(5) 2,491 cy. yds. Class A concrete;
(6) 233,545 lbs. reinf. steel;
(7) 2,602 lin. ft. 24-in. 14-gauge C. G. M. P.;
(8) 968 lin. ft. 30-in. 14-ga. do;
(9) 3,874 lin. ft. 36-in. 12-ga. do;
(10) 484 lin. ft. 42-in. 12 ga. do;
(11) 584 lin. ft. 48-in. 10-ga. do;
(12) 296 lin. ft. 48-in. 8-ga. do;
(13) 215 cu. yds. hand-laid riprap;
(14) 44,095 lin. ft. wire-cable guard rail;
(15) 900 lin. ft. grader ditches.

Total bids follow:

(A) M. J. Bevanda, Stockton, $351,-298.55.
(B) Morrison-Knudsen Co., Los Angeles, $377,120.30.
(C) Ishell Const. Co., Carson City, Nevada, $392,521.93.
(D) Weymouth-Crowell Co., Los Angeles, $397,524.59.
(E) R. E. Campbell, Los Angeles, $399,903.96.
(F) C. J. Malcolm and Gist & Bell, Arcadia, $411,718.35.
(G) Geo. W. Orr, Bisbee, Ariz., $438,-472.82.
(H) Bechtel Co. and H. J. Kaiser, San Francisco, $447,115.06.
(I) New Mexico Const. Co., Albuquerque, $460,190.20.
(J) Hodgman & MacVicar, Flagstaff, $464,371.77.
(K) B. B. Boyd and W. E. Kier Construction Co., San Diego, $488,122.-10.
(L) Engineer's estimate, $350,559.70.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)....	$ .54	$ .54	$ .57	$ .57	$ .55	$ .62	$ .70	$ .70	$ .77	$ .74	$ .85	$ .45
(2)....	1.50	1.50	1.50	2.60	2.00	1.50	1.50	1.30	1.25	1.25	1.50	1.25
(3)....	.03	.01	.02	.025	.0175	.02	.02	.01	.03	.02	.03	.02
(4)....	150.00	400.00	250.00	620.00	300.00	300.00	250.00	300.00	250.00	150.00	300.00	250.00
(5)....	20.00	26.00	27.50	24.00	29.70	30.00	26.75	34.50	22.00	28.00	23.50	26.00
(6)....	.05	.06	.065	.05	.055	.05	.055	.047	.05	.055	.05	.06
(7)....	2.75	3.00	3.00	3.50	3.43	3.00	3.40	2.35	3.70	3.00	3.00	3.50
(8)....	3.50	3.70	3.50	4.10	4.22	3.50	3.85	3.00	4.60	3.75	4.00	4.50
(9)....	5.00	5.60	5.50	6.30	7.00	5.00	6.00	4.50	6.60	5.50	5.00	5.75
(10)....	6.50	6.60	6.50	7.25	7.50	6.00	6.75	5.60	8.70	6.50	6.50	7.00
(11)....	9.00	9.60	9.50	10.50	10.00	8.50	10.50	8.00	11.50	8.50	8.00	8.00
(12)....	11.00	11.50	11.00	13.00	11.00	10.00	12.00	9.75	13.80	10.50	10.00	9.00
(13)....	4.00	2.50	4.00	7.50	3.00	2.00	4.00	11.50	2.50	2.00	2.00	3.50
(14)....	.60	.70	.70	.70	.725	.70	.60	.65	.65	1.00	.75	.90
(15)....	.20	.25	.25	.75	.40	.30	.10	1.00	.05	.10	.10	.10

All bids held under advisement. C. H. Sweetser, District Engineer.

OWYHEE, OREGON—RADIAL GATES—(GOVT.)

OWYHEE, Ore.—Bids for furnishing gates and gate hoists for the Owhyee Project, Mitchell Butte Division, Oregon-Idaho, Spec. No. 607-D, were received by the Bureau of Reclamation, Denver, February 12.

Complete bids follow:

(A) Worden Allen Co., Milwaukee.
(B) Pacific Car & Foundry Co., Renton, Wash.
(C) Minneapolis - Moline Power Implement Co., Minneapolis, Minn.
(D) Pacific Iron & Steel Works, Tacoma.
(E) Commercial Iron Works, delivered.
(F) Commercial Iron Works, Portland.
(G) American Locomotive Co., Dunkirk, N. Y.
(H) John W. Beam, Denver.
(I) Western Pipe & Steel Co., San Francisco.
(J) Virginia Bridge & Iron Works, Birmingham, Ala.
(K) Long Beach Iron Works, Long Beach, Cal.
(L) Foote Bros. Gear & Machine Co., Chicago.
(M) Joshua Hendy Iron Works, Sunnyvale.
(N) Marion Machine Foundry & Supply Co., Scottsdale, Pa.
(O) Ottumwa Iron Works, Ottumwa, Iowa.

The Unit quantities follow:

(1) 2 radial gates;
(2) 1 radial gate;
(3) 1 radial gate;
(4) 5 C. I. gates;
(5) 2 R. G. hoists;
(6) 1 R. G. hoist;
(7) 1 R. G. hoist;
(8) 3-8:1 hoists;
(9) 2-6:1 hoists.

Prices follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(A)	$580.00	$536.00	$468.00	$	$	$	$	$	$ .....
(B)	526.00	293.00	466.00	730.00	.....	.....	.....	.....	.....
(C)	840.00	570.00	655.00	980.00	.....	.....	.....	.....	.....
(D)	1198.00	780.00	908.00	1349.00	833.00	1094.50	1094.50	1807.00	637.00
(E)	919.00	452.00	697.00	701.00	503.00	839.00	839.00	1331.00	280.00
(F)	814.00	405.00	627.00	620.00	480.00	820.00	820.00	1305.00	270.00
(G)	725.00	425.00	746.00	787.00	659.00	940.00	946.00	1371.00	524.00
(H)	725.00	400.00	575.00	850.00	450.00	965.00	965.00	1050.00	275.00
(I)	908.00	472.00	788.00	 0	.....	.....	.....	.....	.....
(J)	703.00	444.00	715.00	 0	.....	.....	.....	.....	.....
(K)	.....	.....	.....	915.00	500.00	745.00	745.00	1275.00	430.00
(L)	.....	.....	.....	595.00	742.00	1159.00	1170.00	1437.00	603.00
(M)	.....	.....	.....	895.00	733.00	1036.00	1036.00	1189.00	568.00
(N)	.....	.....	.....	.....	570.00	694.50	697.00	975.00	450.00
(O)	.....	.....	.....	730.00	.....	.....	.....	.....	.....

Combinations offered by bidders follow:

Commercial Iron Works, Portland, Schedules 2 and 3. $4,100.00.
Commercial Iron Works, Portland, Schedules 1, 2 and 3, $5,830.00.
Commercial Iron Works, delivered, Schedules 2 and 3, $4,279.00.
Commercial Iron Works, delivered, Schedules 1, 2 and 3, $6,253.00.
American Locomotive Co., Dunkirk, N. Y., Schedules 1, 2, and 3, $7,123.00.
John W. Beam, Denver, Schedules 1, 2 and 3, $6,100.00.
John W. Beam, Denver, Schedules 1, and 3, $5,250.00.
John W. Beam, delivered, Schedules 1, 2 and 3, $6,850.00.
Foote Bros. Gear & Machine Co., Chicago, Schedules 2 and 3, $4,989.00.

BIDS OPENED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., San Francisco, at $3888 submitted low bid to S. J. Hestre, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for reconstruction of Stockton Street from Columbus Ave. to Pacific Ave., involving:

(1) 675 lin. ft. granite curb removed and replaced;
(2) 80 lin. rt. granite curb redressed and reset;
(3) 5 brick catchbasins reconstructer;
(4) 2 brick catchbasins reset or reconstructed;
(5) 2000 sq. ft. basalt block reset;
(6) 3250 sq. ft. one course concrete sidewalk;
(7) 180 tons asph. concrete binder in place;
(8) 29,000 sq. ft. asph. concrete or asphalt wearing surface to be removed to a depth of 1-in. by heating and to be replaced with asphaltic concrete wearing surface, 1-in. in thickness.

Complete bids follow:

(A) Eaton & Smith, San Francisco, $3888.
(B) Bay Improvement Co., San Francisco, $4350.45.

Unit prices follow:

	(A)	(B)
(1).....	$ .50	$ .59
(2).....	.75	.44
(3).....	60.00	37.40
(4).....	40.00	55.00
(5).....	.10	.12
(6).....	.13	.12
(7).....	4.00	5.45
(8).....	.065	.073

STEEL RADIO TOWERS—GOVERNMENT

SUMMIT, C. Z., and Lualualei, Oahu, T. H.—As previously reported, United State Steel Products Co., Washington, D. C., submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for 300- and 600-ft. steel radio towers at the Naval Radio Stations at Summit and Lualualei; Spec. No. 7524.

Complete bids follow:
(A) United States Steel Products Co., Washington, D. C.
(B) McClintic - Marshall Corp., San Francisco.
(C) Belmont Iron Works, Philadelphia
(D) Pittsburgh - Des Moines Steel Co. Pittsburgh, Pa.
(E) Lehigh Structural Steel Co., Allentown, Pa.
(F) W. E. Callahan Const. Co. and Gunther and Shirley, Madden Dam Canal Zone.
(G) Tucker McClure, Cristobal, C. Z.
Unit items follow:
(1) six 600- and three 300-ft. towers at Summit;
(2) seven 600 and three 300-ft. do;
(3) eight 600- and three 300-ft. do;
(4) six 600- and three 300- ft. do at Lualualei;
(5) seven 600- and three 300-ft. do;
(6) eight 600-ft. and three 300-ft. do;
(7) six 600- and three 300-ft. do at Lualualei and Summit;
(8) seven 600- and three 300-ft. do;
(9) eight 600- and three 300-ft do;
(10) six 600- and three 300-ft. do at Summit seven 600- and three 300 ft. do at Lualualei;
(11) six 600- and three 300-ft. do at Summit and eight 600- and three 300-ft. do at Lualualei.
(12) seven 600- and three 300-ft. do at Summit and eight 600- and three 300-ft. do at Lualualei.

Unit prices follow:
(F) W. E. Callahan Const. Co., and Guther and Shirley, Madden Dam, C. Z. (1) $336,000; (2) $380,000; (3) $420,000.
(G) Tucker McClure, Cristobal, C. Z., (1) $310,000; (2) $354,000; (3) $392-000.00.

	(A)	(B)	(C)	(D)	(E)
(1)	$259,771	$322,940	$275,768	$316,700	$281,739
(2)	295,645	365,320	316,830	359,500	316,575
(3)	331,587	411,380	355,358	402,000	352,411
(4)	250,587	321,290	284,479	309,400	276,185
(5)	284,441	364,870	326,854	349,900	311,700
(6)	318,903	409,760	366,707	390,400	340,215
(7)	494,537	628,500	556,037	626,100	551,257
(8)	562,479	712,565	639,474	709,400	621,608
(9)	632,629	800,390	717,855	792,400	695,959
(10)	528,750	670,900	598,412	666,600	586,772
(11)	561,645	712,560	638,265	707,100	624,287
(12)	596,700	756,520	679,327	749,900	659,123

VENTURA CO.—2.9 MILES GRADE AND OIL—(STATE)

VENTURA COUNTY, Calif.—Clyde W. Wood, Box 1435, Stockton, at $105-530.50 submitted low bid to the State Highway Commission, Sacramento for grading and treating with fuel oil about 2.9 miles between westerly boundary and one-half mile east of West Casitas Pass, in Ventura County.

Complete bids follow:
(A) Clyde W. Wood, Stockton, $105,-530.50.
(B) Von Der Hellen & Pierson, Castaic, $110,818.00.
(C) Long Transportation Corp., Los Angeles, $122,866.50.
(D) Yglesias Bros., Inc., San Diego, $129,536.10.
(E) Sharp & Fellows Contr. Co., Los Angeles, $134,545.40.
(F) Chas. L. Harney, San Francisco, $136,271.00.
(G) Fredrickson & Watson Const. Co., Oakland, $138,992.00.
(H) Daley Corp., San Diego, $144,-284.30.
(I) Gist & Bell, Arcadia, $148,890.00.
(J) Macco Const. Co., Clearwater. $170,118.30.

Unit items follow:
(1) 155 sta. clear and grub right of way;
(2) 214,500 cu. yds. rdwy. excav., unclassified;
(3) 820,000 sta. yds. overhaul;
(4) 6,500 cu. yds. excav., for struc.;
(5) 540 cu. yds. Class A Port. cem. conc. for struc.;
(6) 58,000 lbs. bar reinf. steel;
(7) 1150 lin. ft. 8-in. CMP 16-gauge;
(8) 1,550 lin. ft. 24-in. CMP 14-gauge;
(9) 466 lin. ft. 30-in. CMP 14-gauge;
(10) 354 lin. ft. 30-in. CMP 12-gauge;
(11) 220 lin. ft. 36-in. CMP 12-gauge;
(12) 100 42-in. CMP 10-gauge;
(13) 170 48-in. CMP 8-gauge;
(14) 32 each spillway assembly;
(15) 6,500 M. gals. water;
(16) 1,850 bbls. fuel oil;
(17) 2.92 miles repair, mix and shape roadbed;
(18) 88 each culvert markers;
(19) 650 each timber guide posts;
(20) 155 sta. finish rdwy.;
(21) 76 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$20.00	$ 35.00	$ 28.00	$ 30.00	$ 42.00	$ 20.00	$ 20.00	$ 40.00	$ 30.00	$ 50.00
(2)	.25	.30	.34	.345	.38	.39	.41	.40	.45	.46
(3)	.005	.005	.005	.005	.006	.01	.005	.01	.005	.01
(4)	.80	.75	1.25	1.00	.80	.90	1.00	1.15	1.00	1.50
(5)	19.00	15.00	16.50	20.00	20.00	17.00	20.00	16.00	19.00	20.00
(6)	.05	.05	.04	.05	.04	.05	.05	.045	.04	.05
(7)	1.30	.90	1.00	.90	.90	.90	.90	.90	1.00	1.10
(8)	2.75	2.25	2.50	2.50	2.30	2.50	2.50	2.70	2.50	2.70
(9)	3.50	2.75	3.00	3.00	2.90	3.00	3.00	3.60	3.00	3.40
(10)	4.00	3.00	3.75	3.90	4.00	4.00	4.00	4.70	3.50	4.60
(11)	5.00	4.50	5.00	4.50	4.75	5.00	4.50	5.50	4.50	5.00
(12)	7.00	6.00	7.25	6.50	6.75	7.00	6.50	7.60	6.00	7.00
(13)	9.50	9.00	9.00	9.00	9.50	10.00	9.50	10.75	9.00	10.00
(14)	10.00	15.00	12.50	13.00	14.00	12.50	18.00	13.20	12.00	15.00
(15)	1.00	.70	.66	1.25	.70	.80	.8	.80	1.00	2.00
(16)	1.50	1.30	1.50	1.70	1.40	1.50	1.75	1.50	1.50	1.45
(17)	450.00	400.00	400.00	500.00	500.00	550.00	375.00	500.00	500.00	400.00
(18)	3.00	2.00	2.00	2.00	1.50	2.00	1.50	2.50	2.00	2.00
(19)	3.00	2.00	2.00	2.00	2.50	1.60	2.25	2.00	2.00	2.00
(20)	5.00	5.00	5.00	5.00	10.00	5.00	5.00	9.00	6.00	5.00
(21)	3.00	3.00	2.00	3.00	3.00	2.50	2.50	3.00	3.00	4.00

BIDS OPENED.

OAKLAND, Cal.—The following bids received by W. W. Chappell, city clerk for repairing 23rd Avenue between Railroad and 29th Avenues.
(A) Lee J. Immel, 1031 Evelyn St., Berkeley (Proposal A) $15,260.33; (Proposal B) $13,543.68.
(B) Ransome Co., 4030 Hollis Street, Emeryville (A) $14,566.92; (B) $14-251.99.
(C) Heafey-Moore Co., Oakland, (A) .....; (B) $13,669.09.
(D) Independent Const. Co., Oakland, (A) .....; (B) $15,018.68.

Unit items and prices follow:

PROPOSAL A
(1) 62,986 sq. ft. grading, including 4-in. rock sub-foundation;
(2) 62,986 sq. ft. concrete pavement;
(3) 142 tons asphalt concrete surf.

PROPOSAL B
(1) 62,986 sq. ft. grading, including 4-in. rock sub-foundation;
(2) 62,986 sq. ft. of pavement consisting of Portland cement concrete foundation 6-in. thick with asphalt concrete surface course, 2-
(3) 142 tons asphalt concrete surf. in. thick;

	(A)	(B)	(C)	(D)
(1)	$ .0165	$ .02	$	$ .....
(2)	.21	.20	.....	.....
(3)	7.00	5.00	.....	.....
(1)	.0165	.02	.02	.03
(2)	.185	.195	.188	.20
(3)	6.00	5.00	4.00	4.45

Bids held under advisement.

COMPLETE BID LISTING

CLARK COUNTY, Nevada—As previously reported, Nevada Rock & Sand Co., Inc., Reno, Nevada, at $204,276.28 awarded contract by the State Department of Highways, Carson City, Nevada, for construction of a portion of the State Highway System in Slark County, between Charleston Park Road and Indian Springs, Route 5. Sections F and G, a length of approximately 26.98 miles, involving:
(1) 150 acres clear and grub;
(2) 109,600 cu. yds. rdwy. excav.;
(3) 51,800 yd. sta. overhaul;
(4) 7,891 cu. yds. select borrow;
(5) 3,880 cu. yds. struc. excav.;
(6) 26.98 miles subgrade;
(7) 63,700 cu. yds. crushed gravel or stone surface;
(8) 472 cu. yds. Class B concrete;
(9) 12,270 lbs. reinf. steel;
(10) 124 lin. ft. 18-in. cor. metal pipe
(11) 3,532 lin. ft. 24-in. do;
(12) 1,638 lin. ft. 30-in. do;
(13) 1,302 lin. ft. 36lin. do;
(14) 74 lin. ft. 48-in. do;
(15) 60 monuments;
(16) 445,148 gals. asph. road material, Type SC-2;
(17) 39,569 gals. do, Type MC-2;
(18) 26.98 miles roadmix;
(19) 26.98 miles fiish roadway.

Complete bids follow:
(A) Nevada Rock & Sand Co., Inc., Reno, Nevada, $204,276.28.
(B) Olof Nelson, Logan, Utah, $209.-748.06.
(C) Engineer's Estimate, $185,380.54.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ 15.00	$ 30.00	$ 10.00
(2)	.37	.40	.35
(3)	.04	.05	.04
(4)	.60	1.00	.40
(5)	1.50	2.00	1.00
(6)	100.00	100.00	100.00
(7)	.80	.80	.80
(8)	25.00	30.00	25.00
(9)	.08	.07	.07
(10)	2.10	2.00	2.00
(11)	3.00	3.00	3.00
(12)	4.00	3.50	3.50
(13)	5.50	5.00	5.00
(14)	10.00	10.00	7.00
(15)	3.00	5.00	3.50
(16)	.075	.06	.06
(17)	.12	.12	.085
(18)	600.00	500.00	500.00
(19)	100.00	200.00	100.00

BIDS OPENED.

TRANQUILITY, Fresno Co., Calif.—Following bids received by Board of Directors, Tranquility Irrigation District, for drilling well and furnishing pump, motor, pump house and control equipment. The items are:

(1) drilling, including perforation of casing and 72-hour test, per lin. ft.
(2) complete labor and material 24-hr. test, lump sum;
(3) casing, per lin. ft.;
(3a) 15-ft. starter and shoe, per unit;
(4) concrete foundation for pump and pump house with discharge layout
(5) furnish and erect pump house;
(6) pump, motor and switchboard;

San Jose Well & Pump Works, San Jose, (1) $2.27 (2) $120 (3) $2.71* (includes 3-a).

Campbell & Budlong, San Jose, (1) $2.50 (2) $72 (3) $2.40 (3a) $104 (4) $104 (5) $208 (6) $1388.

Peerless Sales & Service, Fresno (1) $4.40* (2) $42 (4) $321.50** (6) $912.

Consolidated Pipe Co., Visalia, (3) $2.07 (3a) $105.60.

Geo. C. Ponessa, (1) $2.91 (2) $50 (3) $1.91 (3a) $92.50 (4) $180 (5) $100 (6) $1170.

Western Pipe & Steel, San Francisco, (3 and 3a) $2.217 (4 & 5) $321.50.

G. T. Bramlette, Fresno, (1) $4.41 (2) $42 (4 & 5) $321.50.

Following bids on item 6 only: Wentroath Pump Co., Fresno, $1169.50; Sterling Pump Corp., Stockton, $1,198.42; Fairbanks - Morse Co., S. F., $11,273.75; Byron-Jackson Co., Visalia $1150; Layne Pump Co., Fresno, $1,111; Valley Foundry & Mach. Works, Fresno, $1490; Pomona Pump Co., Pomona, $1100; Kimball-Krogh Pump Co. San Francisco, $129.94.

J. M. Rogers, Bishop, submitted a lump sum bid for job complete at $58-980.

*Includes items 3 and 3-a. **Includes item 5. Bids held under advisement. H. M. Crooker, Fresno, chief engineer. * 31

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SAN FRANCISCO

ONTARIO, CAL. — Sewage Treatment Plant — (City)

ONTARIO, San Bernardino Co., Cal.—As previously reported, James Noon, 261 E Vineland Ave., Baldwin Park, at $65,793.00 submitted low bid to the Ontario City Council for constructing an activated sludge type sewage disposal plant and an outfall sewer system.

Unit items follow:
(1) treatment plant complete;
(2) 350 ft. 15-in. vitrified sewer;
(3) 670 ft. 18-in. do;
(4) 1,100 ft. 21-in. do;
(5) 260 ft. 24-in. do;
(6) 4 manholes.

The bidders were:
(A) James Noon, Baldwin Park.
(B) H. A. Teget, Ontario.
(C) F. J. Moran, Ontario.
(D) Shannahan Bros., Los Angeles.
(E) Bannister-Field Co., Ltd.

Unit prices follow:

	(1)	(2)	(3)	(4)	(5)	(6)	Total
(A)	$60,900.00	$1.20	$1.60	$2.20	$2.85	$60.00	$65,793.00
(B)	61,625.00	2.00	2.50	3.50	3.00	55.00	68,850.00
(C)	67,230.20	1.72	2.57	3.31	3.62	74.80	74,438.50
(D)	76,910.50	.85	1.30	1.70	2.20	70.00	80,801.00
(E)	75,500.00	1.45	2.05	2.30	3.30	55.00	81,209.00

Currie Engineering Co., 219 Andreson Block, San Bernardino, engineers. The bids were refered to F. E. Task, State Engineer PWA for California. The council will meet to consider further action February 23.

SANTA BARBARA CO.—Reinf. Concrete Bridges—(State)

SANTA BARBARA COUNTY, Cal.—J. J. Munnemen Co., 1306 Laguna St., Santa Barbara, at $84,411.50 submitted low bid to the State Highway Commission, Sacramento, for the construction of two bridges, 2 and 28 miles north of Santa Barbara; one across Santa Ynez River consisting of 11 65-ft. reinforced concrete girder spans and 2 25-ft. end cantilevers on concrete pier with pile foundation; the other across Santa Aqueda Creek consisting of 2 44-ft. reinforced concrete girder spans and 2 20-ft. end cantilevers on concrete bents, involving:

(1) 2,370 cu. yds. struc. excav.;
(2) 1,250 cu. yds. roadway excav., unclassified;
(3) 7,500 lin. ft. furnish creosoted Douglas fir piles (including test piles;
(4) 300 each, drive do;
(5) 580 cu. yds. Class A Portland cement concrete footings blocks
(6) 2,060 cu. yds. Class A Portland cem. conc. in struc.;
(7) 489,500 lbs. bar reinf. steel;
(8) 28,500 lbs. struc. steel;
(9) 1,890 lin. ft. solid timber ralling;
(10) 1 only existing bridge, remove & dispose of;
(11) 85 cu. yds. light riprap;
(12) 1 lot misc. items of work.

Total bids follow:
(A) J. J. Munneman Co., Santa Barbara, $84,411.50.
(B) R. R. Bishop, Long Beach, $89,414.
(C) Sharp & Fellows Contracting Co., Los Angeles, $92,511.
(D) Dimmitt & Taylor, Los Angeles, $92,647.
(E) Byerts & Dunn, Los Angeles, $94,313.75.
(F) M. B. McGowan, Inc., San Francisco, $94,902.
(G) H. M. Baruch Corp., Los Angeles, $95,401.
(H) H. Mayson, Los Angeles, $97,395.
(I) Clinton Constr. Co., Los Angeles, $97,815.10.
(J) Bodenhamer Constr. Co., Oakland $98,332.
(K) Glst & Bell, Arcadia, $99,952.50.
(L) Lynch-Cannon Engr. Co., Los Angeles, $104,712.50.
(M) Andy Sordal, Long Beach, $109,722.50.
(N) Theo. A. Beyer Corp., Los Angeles, $136,005,25.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 1.75	$ 4.50	$ 3.00	$ 1.80	$ 4.00	$ 3.00	$ 2.50
(2)	.50	.50	.30	.25	.40	.40	.60
(3)	.50	.46	.49	.55	.45	.40	.60
(4)	15.00	7.00	10.00	13.50	16.00	30.00	15.00
(5)	10.00	13.00	10.50	11.00	11.00	9.00	15.00
(6)	18.00	17.50	22.10	22.30	18.00	21.00	22.65
(7)	.04	.042	.04	.043	.0425	.04	.037
(8)	.07	.08	.06	.07	.07	.08	.055
(9)	1.10	1.00	1.00	1.30	1.00	1.00	.60
(10)	4000.00	3000.00	2800.00	1300.00	2500.00	2500.00	2900.00
(11)	3.00	3.00	3.00	5.00	6.00	3.00	3.00
(12)	600.00	1000.00	500.00	350.00	5000.00	307.00	400.00

	(H)	(I)	(J)	(K)	(L)	(M)	N)
(1)	$ 1.00	$ 2.62	$ 2.50	$ 3.00	$ 3.00	$ 2.00	$ 7.50
(2)	.52	.54	.50	.50	.60	.50	.45
(3)	.50	.468	.45	.60	.40	.45	.50
(4)	20.00	9.35	10.00	10.00	25.00	10.00	15.00
(5)	13.00	11.50	10.00	15.00	10.00	13.50	10.00
(6)	23.75	20.75	22.00	22.00	25.00	28.00	32.00
(7)	.04	.048	.046	.045	.045	.403	.0525
(8)	.07	.07	.06	.06	.06	.08	.08
(9)	1.00	1.19	1.00	1.00	1.00	1.25	1.10
(10)	3400.00	7560.00	7000.00	4000.00	2000.00	4000.00	7000.00
(11)	7.00	6.00	2.00	2.00	5.00	8.00	4.00
(12)	700.00	2915.00	1000.00	900.00	1000.00	1500.00	300.00

TILLAMOOK COUNTY, Ore.—S. H. Newell & Co., Board of Trade Bldg., Portland, at $106,154 submitted low bid to the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, for constructing and improving the McMinnville - Tillamook Reconstruction Project NR-1A1-B National Forest Road Project, located within the Siuslaw National Forest, Tillamook County. The length of project is approximately 4.4117 miles.

Complete bids follow:

S. H. Newell Co., Portland	$106,154
Edlefsen, Weygant, Portland	133,945
P. L. Crooks & Co., Portland	162,648
Alex Besoloff & Co., Portland	143,350
Guthrie - McDougal, Portland	185,390
Morrison - Knudsen, Boise	125,655
Le Dee Logging Co., Portland	125,542
Earl L. McNutt, Eugene	160,093
F. C. Dillard, Medford	139,152
C. T. Malcom, Portland	134,444

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. XVII—No. 9

MARCH 3, 1934

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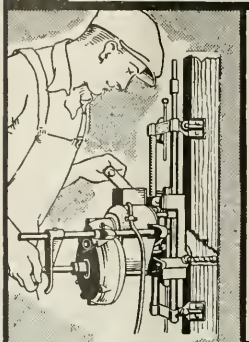

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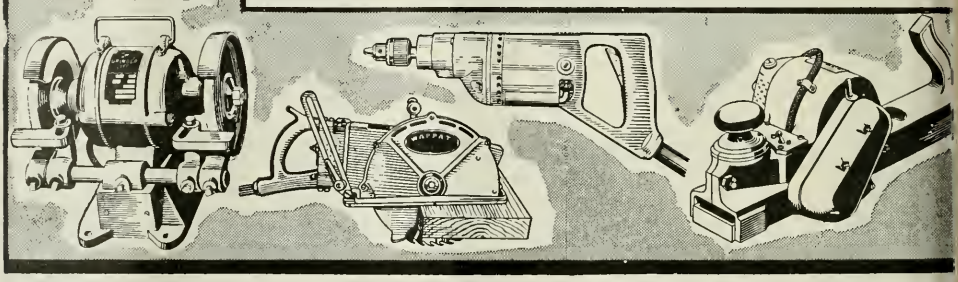

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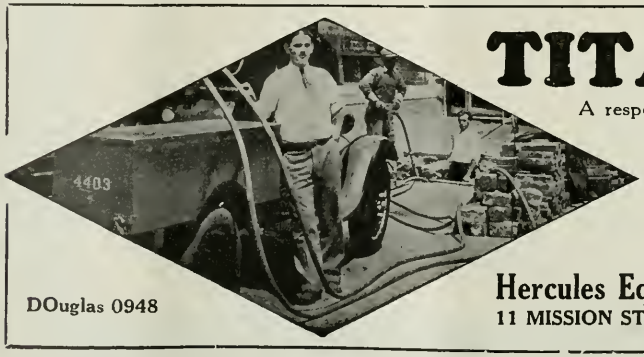

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PACIFIC CONSTRUCTOR

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W. J. TOBIN LOW ON MORGAN HILL WATER SYSTEM

Nine Bids Received on Reconstruction of Municipal Plant Under PWA Loan

MORGAN HILL, March 1.—W. J. Tobin, Oakland, at $42,463 submitted the low bid to the Morgan Hill city council to night for reconstruction of the municipal water system, including replacement of mains, construction of a reservoir and installation of pumping equipment.

Nine contractors submitted bids. The proposals were taken under advisement.

The work is financed by a Public Works Administration loan and grant of $44,000, secured by municipal bonds. Plans for the reconstruction system were prepared by Clyde C. Kennedy, San Francisco, consulting engineer.

Following are the complete total bids:

W. J. Tobin, Oakland	$42,463
Herman Lawson, S. F.	43,619
P. L. Burr, S. F.	44,049
N. M Ball, Berkeley	45,945
G. C. DeGolyer, Oakland	47,990
Alternate	45,318
Harry Gould, Sacramento	49,040
Scott Company, S F.	49,286
E. J. Treacy, S. F.	50,778
F. W. Snook, S F.	53,020

NEVADA GAS TAX TESTED IN SUIT

A $28,965.12 suit against the state of Nevada, which in the opinion of Attorney General Gray Mashburn may bring about an important test of Nevada laws relating both to highway department contracts and gasoline tax refunds, has been filed in the Ormsby county district court.

Fred Grob, as receiver for the Nevada Contracting Co. of Fallon, is the plaintiff.

INVITE BIDS ON ALAMEDA SUBWAY

Bids for construction of subway crossing on the Eastbay approach to the San Francisco-Oakland bay bridge in Emeryville at the Paraffine Companies plant will be received in Sacramento March 14. The contract includes installation of a drainage system and pumping equipment. It involves furnishing and driving 4460 lin. ft. piling, placing 717 cu. yds. concrete, 61,700 lbs. reinforcing steel, waterproofing and dampproofing.

Specifications are on file at the office of the district highway engineer, State Building and the Bay Bridge Commission, 500 Sansome street, San Francisco.

(Complete description of con-

Nevada Highway Surfacing Awards Total $169,000

CARSON CITY, Nev., Feb. 28.—Contracts totaling $169,000 were awarded today by the Nevada State Highway Directors to low bidders on three surfacing jobs.

The awards were made as follows:

EUREKA and White Pine Counties: George French, Jr., Stockton, Calif., at $43,082 for roadmix asphaltic surfacing 16.8 miles between Antelope Summit and Illipah.

LANDER and Eureka Counties: George French, Jr., Stockton, at $88,857 for roadmix asphaltic surfacing 33.4 miles between 12 miles east of Austin and 14 miles west of Hay Ranch.

CLARK COUNTY: Dodge Const. Co., Inc., Fallon, at $37,205 for roadmix asphaltic surfacing 14.8 miles between Las Vegas and Charleston Park road.

WAGE SCALE ON S. F. WORK IS ADOPTED

Supervisors Affirm Finance Committee Recommendation Raising Pay to PWA Minimum

Wage rates in many building trades classifications were increased approximately 10 percent by the San Francisco Board of Supervisors in adopting a resolution declaring prevailing wages which must be paid by private contractors on public works contracts during the next six months.

The board adopted a schedule recommended by the finance committee. Its decision to establish higher wages in many instances was influenced by the necessity of meeting the Public Works Administration minimum figure of $1.10 for skilled labor on all PWA projects. The scales are predicated on the PWA six-hour day and 30-hour week.

Spokesmen for the Associated General Contractors and the Industrial Association of San Francisco objected to the increases, pointing out that the new scales were actually considerably higher than wages being paid on private contracts.

Supervisors supporting the finance committee's recommendation urged department heads to make stringent efforts to enforce the prevailing scale on all municipal and county work and to permit no evasions.

The final vote was 9 to 2, with Supervisors Colman and Brown dissenting.

Shop wages are to be determined at a later meeting.

Gain in January Building Permits Offset by Reduction in Expenditures

Reports received by the Bureau of Labor Statistics of the United States Department of Labor from 768 identical cities having a population of 10,000 or over show that there was an increase of 13.6 per cent in the number of buildings but a decrease of 19.4 percent in the estimated cost of buildings for which permits were issued during January 1934 as compared with December 1933. These permit figures pertain to building construction only and do not include other types of construction.

The data as published by the Bureau of Labor Statistics include information concerning permits issued by local building officials to which is added the number and cost of buildings for which contracts are awarded by Federal and State governments in cities having a population of 10,000 or over. In January the value of such public buildings was $4,898,924.

Comparing January 1934 with December 1933, there was an increase of 9.7 percent in the number but a decrease of 39.6 percent in the estimated cost of new residential buildings.

The number of new nonresidential buildings increased 14.6 percent and the value of these buildings decreased 24.1 percent.

Additions, alterations and repairs to existing buildings increased 13.7 percent in number and 2.9 percent in estimated cost.

Comparing permits issued during the month of January 1934 with those issued in January 1933, in 773 identical cities having a population of 19,000 or over, there was a decrease of 27.6 percent in the number and a decrease of 18.4 percent in the estimated cost of new residential buildings. New non-residential buildings decreased 12.7 percent in number and 60.1 percent in estimated cost. The number of additions, alterations and repairs increased 4.8 percent, while the value of such alterations increased 48.9 percent. Total building projects decreased 1.5 percent in number and 38.2 percent in estimated cost over the 12-month period.

The new dwellings for which permits were issued in January 1934 were to provide for 1,198 families, a decrease of 23.4 percent as compared with the number provided for in January 1933.

Permits were issued during January for the following important projects: In Chicago, for a pumping station to cost nearly $800,000; in Muncie, Ind., for a school building to cost over $300,000; in Terre Haute, Ind., for a school building to cost over $400,000; in Washington, D. C. for a hospital building to cost over $450,000; in Oklahoma City, Okla., for a brewery to cost $250,000. Contracts were awarded by the Federal Government for an Army barracks in Montgomery, Ala., to cost over $300,000; and for an Army barracks in Shreveport, La., to cost over $400,000.

Standard Marking Rules for Lumber To Be Mandatory

The future marking of lumber and timber products to plainly indicate the grade, size, species, source of manufacture and whether seasoned or unseasoned was provided by action of the Lumber Code Authority February 12 which voted to submit to the Administration provisions governing this undertaking on the part of the industry as a whole.

Upon the approval of President Roosevelt these new regulations will become mandatory insofar as lumber manufactured after that date is concerned.

"This action marks one of the greatest single advances made by any of the large industries in recent years," declared C. C. Shepard, president of the National Lumber Manufacturers Association. "It means that the element of chance is to be removed from the purchase of lumber by either the small or the large buyer, for every piece will be marked as to grade and size and species as adequately and accurately and authoritatively as a ten-dollar bill is distinguished from a five. The householder who goes to his retail dealer for one board to make a kitchen shelf will be as sure of getting exactly what he wants as if he were accompanied by a committee of expert graders and inspectors. The lumber industry has thrown aside the last shred of advantage which might have been gained by clinging to the ancient rule of 'let the buyer beware'."

OREGON HIGHWAY BOARD REFUSES CODE COMPLIANCE

Commission Will Observe Gravel Industry Regulations On Federal Projects Only

The Oregon State Highway Commission will not recognize the NRA code requirements of the Crushed Stone, Sand and Gravel Industry in bidding on state-financed contracts, the code committee has been informed by Leslie M. Scott chairman of the commission. Mr. Scott made public a letter written by him to S. S. Montague, chairman of the district committee for the code authority, who protested that the state was not following the code.

"The commission on February 15," said Chairman Scott in his letter, "in co-operation with the United States bureau of public roads let contracts in accord with your code for federal account, but for state account the commission must be governed by state laws which require the letting of contracts in competition to the lowest responsible bidders.

"The commission cannot well require bidders to submit their proposed bids on contracts for state account only in advance to your code committee for revision and for the information of other contractors who intend to bid on the same work, because in the opinion of the commission, the engineers and the attorneys, this would obviously destroy competitive bidding and be contrary to law.

"The state is a large producer of rock, sand and gravel from state-owned or controlled deposits, which the state has acquired at large expense for the purpose of promoting competition in producing, avoiding commercial profits and saving money to the public. The proposal of your code committee would subject the state to the same price control methods as commercial producers, and would take from the public the benefits of competitive bidding on the part of the contractors, who contract with the state commission to take from state-owned or controlled deposits, rock, sand and gravel for use on public highways.

"The commission," concluded Chairman Scott in his letter, "obviously must observe the requirements of state law in spending state funds in order to protect the legality of its acts."

CONSTRUCTION INDUSTRY CODE EFFECTIVE TODAY

National Authority Meets Next Week to Complete Organization

Although the Construction Industry NRA code of fair competition is effective today and all contracting operations are subject to its provisions, a regional code authority has not been created pending final organization of the national authority.

Complaints of code violation will be handled temporarily through the local compliance board of the NRA.

Organization of regional boards and divisional authorities as provided under the basic code is delayed until a national authority has completed administrative machinery The national code authority will meet in Washington March 5, at which an executive committee of the board will submit recommendations for code compliance and administration.

Formation of the national code authority with nineteen of the twenty sponsoring organizations represented has been completed. Stephen F. Voorhees, chairman of the code committee of the Construction League has been elected chairman; John P. Hogan, vice-chairman; F. P. Byington, treasurer; J. W Follin, secretary.

Following are the members of the Construction Code Authority:

Construction League of the United States, S. F. Voorhees, Voorhees, Gmelin & Walker, architects, New York City.

American Institute of Architects, Wm. S. Parker, Sturgis Associates, Inc., Boston.

American Society of Civil Engineers, John P. Hogan, Parsons, Klapp, Brickerhoff & Douglas, New York City.

Associated General Contractors of America: building construction, A. C. Tozzer, Turner Construction Co., New York City; highway construction, Robert E. OConnor, J. C. O'Connor & Sons, Fort Wayne, Ind.; railroad construction, N. F. Helmers, Siems-Helmers, Inc., Saint Paul, Minn.; public works and other types of construction, A. E. Horst, Henry W. Horst Company, Philadelphia.

International Society of Master Painters and Deiorators, Inc., Gordon P. Marshall, H. Newton Marshall Co., Boston.

Heating, Piping and Air Conditioning Contractors National Association, Robert D. Williams, Baker, Smith & Co., New York City.

Cement-Gun Contractors Association, Arthur J. White, Cement-Gun Contractors Assn., Pittsburgh, Pa.

National Building Granite Quarries Assn., J. D. Sargent, North Carolina Granite Corp., Mt. Airy, North Carolina.

Contracting Plasterers International Assn., Oscar A. Reum, Zander-Reum Co., Chicago.

Tile and Mantel Contractors Association of America, H. R. Cole, Tile and Mantel Contractors Association of America, Wasnington, D. C.

National Association of Master Plumbers of the United States, R. J. Barrett, Washington, D. C.

National Elevator Mfg. Industry, John McArdle, Administrator, National Elevator Mfg. Industry, New York City.

Mason Contractors Association of United States and Canada, David C. Butcher, Washington, D. C.

American Road Builders Association, Louis E. Guyott, Louis E. Guyott Construction Co., New Haven, Conn.

National Association of Metal Furring and Lathing Contractors, Frank L. Adams, Williamson and Adams, Inc., New York City.

Asbestos Contractors' National Association, F. P. Byington, Johns-Manville Sales Corp., New York City.

National Association of Building Trades Employers, O. W. Rosenthal Rosenthal, Cornell and Dwyer, Chicago.

National Association of Builders' Exchanges, Wm. P. Carroll, Cleveland, Ohio.

American Construction Council, E. M. Craig, American Construction Council, Chicago.

Roofing and Sheet Metal Industries Conference (Not yet appointed).

ASK BIDS ON COULEE PIERS

Bids will be received March 8 by the U. S. Bureau of Reclamation at Spokane on the contract for construction of two concrete piers to support the Grand Coulee bridge to be erected below the Grand Coulee damsite.

The work to be contracted includes 140 feet of depth excavation for the two piers; placing an estimated 8,230 yards of concrete, 57,000 pounds of reinforcing bars and 13,000 pounds of pier nose angles.

A.G.C. PREPARES TO ADMINISTER NATIONAL CODE

General Contractors Subject to Basic Provisions Until Division Authority is Complete

Formal organization of the General Contractors' Code Authority under Chapter Two of the Construction Industry Code, approved by President Roosevelt on February 17, is to be undertaken at a meeting of the executive committee of the Associated General Contractors of America to be called in Washington in the near future by Nick F. Helmers of St. Paul, president of the association.

Elated over securing approval of their divisional code after eight months of intensive effort and negotiation, the contractors are working to have all administrative details completed by March 19, when the general contractors' chapter will go into effect. Under the provisions of this chapter, twelve members of the Code Authority are to be selected by the executive committee of the Associated General Contractors from within its membership, while five non-members likewise will be appointed.

In announcing the anticipated call to launch the General Contractors Code Authority, Edward J. Harding, managing director of the Associated General Contractors, called attention to the fact that all general contractors throughout the cou try will also be subject on and after March 2 to the general provisions of Chapter One, which was approved by the White House on January 31 as the basic code for the entire construction industry.

"There should be no misunderstanding," Harding warned, "as to the application of the basic chapter and the divisional and sub-divisional chapters of the Construction Code. Every employer within the construction industry will be subject to the provisions of Chapter One on and after March 2, until the chapter covering his particular division of the industry goes into effect, and every employer within that division will be subject to the terms of the divisional chapter after its effective date and unti a supplemental chapter covering his own particular sub-division becomes effective."

PIER E-5 ON BAY BRIDGE COMPLETED

Contractors Sinking 3 Deep Water Structures in Westbay Sector

Another deep pier of the San Francisco-Oakland Bay Bridge was completed last week, according to the weekly progress report by Chief Engineer C. H. Purcell.

Pier E-5, which may be compared to a reinforced concrete building of 15 rooms, extending four stories above water and 18 stories below, each story ten feet in height, is now complete except for the fender.

Continuing the comparison to a building—the outer walls and the inner walls between the 15 rooms are of concrete more than a yard thick. The "rooms" of the pier, however, extend from top to bottom of the pier and have no floors between stories.

This pier, which is located 1,000 feet west of the end of the Key Route Mole, is 60x90 feet at the base and 30x90 feet at the top, and stands 210 feet high, 40 feet of which are out of water.

Other piers now completed on this bridge are E-22, E-21, and E-20 alongside the Key Route Mole, where the bridge goes down to the standrock fill, and Pier W-2 on the San Francisco shore line.

San Francisco

The work of concreting around the steel eyebars and girders has been started on the San Francisco anchorage, and Healy-Tibbitts Construction Company have placed about 3,000 cubic yards of concrete during the week, bringing the total in the anchorage to 21,500, or one-third of the total concrete to go into it.

West Bay Substructure

Pier 2, which is completed, is now ready for the erection of the first steel tower next week by the Columbia Steel Company.

Pier 3 caisson received this week 2500 cubic yards of concrete, bringing its total content to 17,000 cubic yards, and the cutting edge to 130 feet below the surface of the water. This caisson has to be built up and sunk 88 feet farther.

At Pier 4 Transbay Construction Company, substructure contractor, placed 3700 cubic yards of concrete during the week, bringing the total to 38,300. Dredging has sunk this caisson so that the cutting edge at the bottom is 135 feet below water and it has 45 feet to go.

At Pier 6 only 400 cubic yards of concrete were placed during the week by Transbay Construction Co. and the total here is 21,400 cubic yards. The bottom, or cutting edge of this caisson is at a point 154 feet below water, or within 15 feet of bedrock.

Yerba Buena Island

Clinton Construction Co. are now enlarging the pioneer cable anchorage tunnels to full size and bracing the roof with steel I-beams. The south anchorage tunnel is to full size 40 feet in, or one-fourth of its depth, and the north tunnel is to 20 feet in.

Increased excavation on the approach for the tunnel caused the removal of 12,000 cubic yards of earth last week, bringing the total amount cut out of the island to date to 165,000 cubic yards.

East Bay Substructure

At Pier E-4, 2,000 feet east of Yerba Buena Island, the three center wells have been sealed at 100 feet below water.

Pier E-5, as noted, has been completed, except for the fender.

Foundation piles have been driven at Pier E-17, alongside the Key Route Mole; and the steel sheet piling cofferdam has been driven at Pier E-16 adjoining.

OPINION GIVEN STATE ARCHITECT ON QUAKE LAW

Employment of Private Experts Upheld; Contractors Liable For Safety

Architects and engineers in private practice may be employed to examine and report upon school buildings and may be paid from school district funds, Attorney-General U. S. Webb has advised State Architect George S. McDougall.

Plans for repair and remodeling of schools, however, must be approved by the State Division of Architecture, under the new state law, the attorney - general stated. Employment of private experts does not relieve the school directors of the necessity of obtaining the state division approval of plans.

It is also the duty of the state architect to inform the authorities of violations of the earthquake hazard act by failure of school directors to provide safe structures for pupils in their jurisdiction, Webb stated.

The opinion said in part:

"It would appear to be particularly clear that the Division of Architecture would not be complying with the terms of the act if it failed, on receiving such advice (that buildings are unsafe) from whatever source, to call the situation to the attention of any authorities who may be in a position to prevent the violation of the act. Section 6 of the act provides that any person who violates the provisions of the act is guilty of a felony. It is therefore obvious that the attention of the district attorney of the partcular county should be called to the condition and situation which you describe.

"Also, inasmuch as contracts for construction work not approved by the Division of Architecture are by Section 3 of the act made invalid, the duty of the Division of Architecture would be to call to the attention of the school authorities and of the county auditor and county treasurer the conditions existing, with the view of preventing the payment of any money whatever to any contractor acting under an invalid contract."

EIGHT AWARDS ANNOUNCED IN HOME DESIGN

San Francisco Department Store Sponsors Competition for Architects

Awards to eight architects who entered the City of Paris model house competition were announced yesterday by store officials. The eight prize winning models were placed on exhibition in the store together with eight houses designed by eastern architects in a similar competition conducted by a New York department store.

Seventy-two entries were received. The winners, each of whom received a $100 cash prize are:

Warren Charles Perry, Miller & Warnecke, Vladimir Ogiu, Jas. T. Narbett, F. L. Confer and J. H. Anderson, Raymond W. Jeans, Edward W. Kress, Ralph E. Wastell and John M. Evans, Associates.

Honorable mention was accorded Michael B. Goodman, Noble Newsom and Archie T. Newsom, Morrow and Morrow, H. A. Schary, Wm. K. Bartges, Wm. Avery Rich, Wm. Edward Schirmer, Benjamin G. McDougall.

The problem was in design of a suburban home of moderate cost suitable to a typical California residential site and including a small swimming pool.

Scale models of the winning entries have been prepared and are exhibited, together with the floor plans, ground arrangement and landscaping. The eight prize-winning entries from a similar contest by R. H. Macy & Company, New York City, are shown. They were designed by Ralph T. Walker, Raymond Hood, Harvey Wiley Corbett, William Van Alen, Ely Jacques Kahn, Arthur Loomis Harmon, L. G. White and Leonard Schultze.

Visitors at the exhibit will be invited to vote on their choice of the models and the results of the balloting will be announced.

PARKER DAM NOW FEDERAL PROJECT

Governor Rolph has announced that he will not enter into a conference with Governor B. B. Moeur of Arizona about construction of the Parker dam on the Colorado river in Arizona, the diversion dam for the Metropolitan Water District supply line.

The governor is acting on the advice of Attorney General U. S. Webb that the dam construction has become a federal project under jurisdiction of the Reclamation Service and the state authorities have no interest in the plan.

$400,000 FRESNO STREET PROJECT AIDS REMODELING

cores of Commercial Buildings Altered to Improve Main Thoroughfares

The greatest single development roject in Fresno in many years is he $400,000 Broadway widening roject, which, it is estimated, will e completed by June 1 and which vill give 40,000 working days to hose employed.

The exact cost of the project, vhich includes the widening of Divisadero Street, the cutting through nd widening of Cherry Ave. from 'alifornia to Van Ness and the exension of G Street into the new outh highway entrance to the city, s $393,700.

Of the cost of the project, $250,-00 has been donated as a direct rant by the federal government nd the state, $147,000 of this comng from the state for expenditure on Broadway alone as Broadway as been named as part of the state ighway system.

Water Fund Aids

The federal government has given another grant of $13,500, the state has given $65,000 as the city's share of its gasoline tax funds for wo years, and $65,200 is being borowed from the city water department, to be paid back by the city from its allotment of gasoline unds the third and fourth years at interest.

Fronts Improved

A minimum of $146,000 is being spent by the city for the replacing of fronts on Broadway back ten feet. This is a minimum cost, as many of the Broadway owners are putting on more elaborate fronts than the city will allow funds for. Many of the owners are also placing into the remodeling of their stores the funds they obtain from the city for the purchase of the front ten feet of their land. The city agrees only to expend that sum on new fronts that the old front represented. The city also pays the cost of removing the ten feet of building.

Merchants along the street, seeking uniformity are replacing their fronts with a Spanish type design.

Large Buildings Changed

Twenty-two buildings of two stories or more are being remodeled to make room for the widening, of which the moving back of the Odd Fellow's Hall at Merced Street is the largest project, costing $18,400.

Sixty-two business buildings are being remodeled, including frame dwellings on Broadway from Divisadero to Tulare Streets, and forty-one of the other streets.

The project in its entirety covers 9,439 feet, approximately two miles.

One Broadway $103,100 is being spent on the removal of encroachments, $94,000 for the purchase of the ten-foot strip of land, $83,000 on new paving, and $8,000 on the removal of electroliers, a total of $288,600.

Other Project Costs

The Cherry Avenue opening will cost $6,000 for the removal of encroachments, $23,000 for right of ways, $9,000 for paving, and $600 for the removal of electroliers, a total of $38,600. Widening of Cherry Avenue is costing $5,700 for paving and $2,300 for electroliers.

The extension of Divisadero St. will cost $6,000 for the removal of encroachments, $14,000 for land and $7,500 for paving, a total of $27,500.

Widening of Divisadero Street will cost $3,000 for removal of encroachments, $8,000 for land, and $20,000 for paving, a total of $31,-000.

Bids for the paving on the Cherry Avenue and G Street openings and the Divisadero Street widening will be opened by the city Friday. In connection with the Broadway and Cherry Avenue pavement widening, the state formulated all plans and let contracts for the work, this portion of the project in its entirety being considered as part of the state highway system.

New Electroliers Asked

The city commission has received a petition signed by 20 property owners and merchants for the installation of a high, new type electrolier from Calaveras to Santa Streets on both sides of the street replacing the present electroliers, involving an additional expense of $50,000.

NEW VOTE ON ALAMEDA BONDS

Alameda county supervisors have fixed April 3 as the date for a new election on a proposed bond issue of $1,712,000 to finance construction of a county court house and office building. The supervisors have obtained an extension of the date for accepting a federal grant of $462,-000 toward the building allocated by the Public Works Administration. The original bond proposal failed to carry by a small margin at an election December 19. Proposals on a site for the new building are to be submitted to the supervisors for consideration before March 1.....

FENDER WORK ON SOUTH PIER TO START SOON

Contractor Completing Access Trestle; Marin Tower Reaches 530-Ft. Mark

Actual construction of the fender wall that will surround the south pier of the Golden Gate Bridge loomed closer with the announcement yesterday by Chief Engineer Joseph B. Strauss that the last of the timber bents, or pile supports, of the access trestle, are in place.

Three remaining bents, which are required to complete the trestle, are being constructed of steel and will be set in position as rapidly as possible. The first of these has been put together and holes are being drilled into the rock bottom in preparation for placing the bents.

Meanwhile, excavations necessitated by the change of plans for the fender, are being rushed forward and, according to the Chief Engineer, it is his expectation that they will be complete by the time the final steel trestle bent is set in position.

During the early part of the past week the contractor was engaged in blasting out the rock bottom and the derrick barge Ajax is now dredging away the blasted material.

Construction of the Marin tower is proceeding rapidly in spite of the bad weather and during the past week, according to the cost and progress department of the district, 796 tons of tower steel were added, bringing the structure to a height of 530 feet.

Twenty-seven gangs of riveters are now engaged in riveting up the cellular tower members and a crew of painters is at work on the tower giving it its first field coat of protective paint.

Pylon S 1, fronting Fort Point, has now reached a height of 130 feet, or approximately that of an average 10-story building. Pouring concrete on this pylon has been temporarily suspended and a gang of carpenters is engaged in constructing the wooden forms for the next concrete lift. During the week 280 cubic yards of concrete was placed on pylon N 1, on the Marin side of the Gate, bringing this structure to a height of 163 feet above sea level. During the past week an average of 289 men were employed on the various units of the bridge proper or in the field, these being exclusive of employees in the fabricating plants and other industries furnishing materials for the bridge.

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GENERAL CONTRACTORS' NRA CODE

Approved February 17, 1934 — Effective March 19, 1934

Following is the text of the approved Code of Fair Competition for General Contractors (Chapter II of the Construction Industry Code):

ARTICLE I—DEFINITIONS

Section 1. A General Contractor.

The term "General Contractor" is hereby defined to mean without limitation any individual, partnership, association, trust, trustee, trustee in bankruptcy, receiver, corporation or agency which undertakes, whether by formal contract or otherwise, to direct, superintend, coordinate and execute either directly or through others, the work of constructing, substantially in its entirety, any fixed structural or physical improvement, or a modification thereof, or an addition or repair thereto, excluding any such operation aggregating in its entirety less than the sum of $1,000.00.

It is recognized that the function of the architect or professional engineer is to design or plan construction projects and, acting in his professional capacity, to supervise the execution thereof on behalf of the owner. Such architects or professional engineers in the performance of their normal and customary functions shall not be deemed to be included in the foregoing definition of a General Contractor.

Section 2.

The term "Sub-Division of the General Contractors Division of the Industry," or "Sub-Division" shall mean a defined section of this division, established for administration purposes. Without limitation upon any additional sub-divisions, the sub-divisions which shall be established and defined in Sub-Chapters II A, II B and II C hereto are:

Chapter II A. Building Contractors Sub-Division.

Chapter II B. Heavy Construction and Railroad Contractors Sub-Division

Chapter II C. Highway Contractors Sub-Division.

The sub-divisions under this chapter may in their respective sub-chapters amplify and expand the provisions of this Code, and the same, when approved by the Administrator, shall apply to the respective sub-divisions so proposing the same, with the same force and effect as any other provisions of this Code.

Section 3.

The term "Association" as used herein shall mean The Associated General Contractors of America.

Section 4.

The term "sub-contractor" as used herein shall mean anyone other than an employee who enters into a contract for the performance of an act with the General Contractor who has already contracted or otherwise arranged for its performance.

ARTICLE II—ADMINISTRATION

To further effectuate the policies of the Act and to administer this Code within the General Contractors Division and its sub-divisions there shall be established a Divisional Code Authority for General Contractors as provided herein.

A. DIVISIONAL CODE AUTHORITY

Section 1.

The Divisional Code Authority for General Contractors intended to be referred to as "The Divisional Code Authority," shall be composed of seventeen (17) members, twelve (12) of whom shall be appointed annually by the Executive Committee of the Association from its Board of Governors and/or its Advisory Board, and each member so appointed shall serve until the new annual Executive Committee of the Association shall reappoint him or appoint his successor. The twelve (12) members so appointed shall appoint to the Divisional Code Authority five (5) additional persons to be approved by the Administrator engaged in the business of general contracting who are not at the time of selection representative of or responsible to members of the Association and each of the five (5) members so appointed shall serve until he is so reappointed or his successor selected by the non-members of the Association pursuant to a method of selection satisfactory to and approved by the Administrator.

Section 2.

The Divisional Code Authority shall have, in addition to the powers and duties conferred upon it by Chapter I thereof, the following powers and duties applicable to the General Contractors Division.

(a) Its members or its authorized representatives may upon request attend meetings of any administrative agency established for any sub-division.

(b) It is authorized under the supervision of and in cooperation with the Construction Code Authority in the exercise of the power conferred upon it in Section 2 (d) of Article IV A of Chapter I to require the registration in such manner as it may deem appropriate of all construction work undertaken by general contractors as herein defined exceeding two thousand dollars ($2,000.00) in value, and, in order to defray the expenses of such registration, of the collection of the reports and the data herein required and of the administration of this code, to charge and collect as a registration fee not to exceed one tenth of one per cent of the value of the work. From the funds so collected, the Divisional Code Authority shall defray its expenses, and the general contractors' proportionate share of the expenses of the Construction Code Authority, in administering this Code, and make an equitable apportionment between the Divisional Code Authority and the sub-divisional committee or agencies as shall cooperate in procuring the registration of such work or services.

B. SUB-DIVISIONAL ADMINISTRATIVE

Committees or Agencies

Section 1.

There shall be established for each sub-division of the General Contractors Division an Administrative Committee or Agency which shall, within the limitations provided herein, administer within such sub-division the provisions of this code applicable specifically to such sub-division. The procedure for establishing each administrative committee or agency shall be defined in the sub-chapter pertaining to that sub-division of the General Contractors Division.

Section 2.

Each such sub-divisional administrative committee or agency shall have in addition to such duties and powers as the Divisional Code Authority may delegate, the following powers and duties:

(a) It may establish rules and regulations for the conduct of its affairs and may appoint such committees, agencies and representatives and delegate to them such of its powers and duties as it may deem necessary for the proper discharge of its functions hereunder.

(b) It shall cooperate with the Divisional Code Authority in making investigations as to the functioning and observance of this Code within its sub-division at its own instance or on complaint of any person affected, and shall collect from members of the sub-division and compile and furnish to the Divisional Code Authority, any reports and other information required under the Act.

(c) It shall study the trade practice provisions applicable to its own sub-division, and the operation thereof, and may make such recommendations to the Divisional Code Authority as it deems desirable for modification or addition thereto. Such recommendations, upon approval of the Administator after such notice and hearing as he may prescribe, shall become a part of this Code and have full force and effect as provisions hereof.

(d) It shall receive and so far as possible adjust all complaints as to trade practices between members of its sub-division in the operation of the provisions of this Code applicable to that sub-division.

(e) It may prescribe bidding rules, requiring the inclusion in each bid of all direct and indirect costs poperly defined, and methods for administering such rules, and such rules and methods, when approved by the Ad-

ministrator, shall apply to the members of its sub-division.

ARTICLE III—APPEALS

Section 1.

Controversies or complaints within any sub-division shall be fully determined and adjusted locally so far as practicable, otherwise by the administrative committee or agency established for such sub-division.

Section 2.

Any party directly affected shall have the right of appeal to the Divisional Code Authority and of a prompt hearing and decision, under such rules of procedure and proper charges to cover costs of investigation and hearing as it may prescibe, in respect of any decision, rule, regulation, order or findings made by any sub-divisional administrative committee or agency.

Section 3.

The Divisional Code Authority shall have original jurisdiction of all controversies affecting more than one subdivision of General Contractors.

ARTICLE IV—PRACTICES AS TO SUBMITTING BIDS

Section 1.

In order that, whenever contracts are to be let by competitive bidding, the terms of the competition shall be such as to insure fair competition, a general contractor, in submitting bids for the construction or improvement of either private or public works, shall be governed by the following provisions:

(a) All bids shall be in writing, signed by an authorized representative of the bidder. Alternate proposals may be submitted with the original bid, providing the same privilege is extended to all bidders.

(b) A general contractor shall not take advantage in his bid of any special privilege, favor, or undestanding had with him by persons in control of the award. This, however, shall not prevent any such competitor, even though not the lowest bidder, from taking such contract, providing the award is made at his original competitive price, nor shall it prevent any contractor from accepting the award of such contract at any price where no competitive bids are taken.

(c) A general contractor shall not revise his bids after bids have been opened in order to improve his position with the owner. Bona fide mistakes discovered after the opening of bids shall be grounds for withdrawal only.

Where supplemental bids are requested because of substantial changes in the plans and/or specifications, such bids shall reflect only the true value of the changes.

A general contractor shall not bid upon a private construction project upon which bids have been opened, or at any time within 90 days thereafter, except there be substantial changes in the plans and specifications.

(d) Standards of accounting, cost keeping and estimating may be prescribed by sub-divisions for the purpose of determining a fair price for services or product and systems for the interchange of such information subsequent to the award of specific work may be established. Such standards of accounting shall be subject to the approval of the Divisional Code Authority, and of the Administrator.

ARTICLE V—GENERAL TRADE PRACTICES

Section 1.

A general contractor bidding upon or undertaking to execute construction contracts shall be properly qualified by capital, organization and experience. He shall own or have available sufficient and proper equipment to execute the work bid upon or furnish evidence of his ability to acquire same.

Section 2. Credit Information.

A general contractor shall make available upon request to those responsible for the award of construction contracts, pertinent information as to his current financial position, using the Standard questionnaire forms developed and approved by and available through the Joint Conference on Construction Practices, Washington, D. C., or other forms approved or prescribed by the Administrator, and may request equivalent information from the owner.

Section 3. Records and Accounts.

A general contractor shall maintain and employ an adequate system of records and accounts, which system shall clearly show the allocation as to each specific project of all funds received or disbursed on account thereof.

Section 4. Contractual Agreements.

The following basis of contractual agreements are recognized as fair trade practices; guaranteed price, cost of the work plus a fee, unit price, lump sum, and other contractual methods not inimical to the public interest, providing that the regulations contained in this Code of Fair Competition are met.

Section 5. Prohibited Agreements.

A general contractor shall not enter into any agreement or understanding prior to the award of a contract where such award is made as a result of competitive bidding, by which agreement or understanding he agrees to accept a lesser amount for his services than the amount stated in his bid.

Section 6. Disputes.

A general contractor shall be ready and willing to settle disputed matters promptly. Where arbitration as a method of settling disputed matters is agreed upon, the rules of procedure as established by the American Arbitration Association shall govern, except as otherwise required by law or contract. Payment, exceeding that sufficient to cover the amount in dispute, shall not be withheld from the parties affected.

Sections 7. Payments by General Contractors. Funds received by a general contractor for construction work performed or to be performed by him shall be accepted and applied first for the purpose of paying amounts due from him to others in respect of any portion of such work including amounts due from him to others in respect of any portion of such work including amounts due to employees, material men, sub-contractors and others. These provisions shall not be construed to require a general contractor to keep in separate bank accounts or deposits the funds received under separate contracts, provided that he shall maintain books of accounts which shall clearly show the allocation to each and every contract of the funds deposited in his general or special bank account or accounts, and he shall devote the final payments to him from the owner within ten days after the receipt thereof, to the payment of the balances due from him to such employees, material men, sub-contractors and others, provided satisfactory evidence is furnished showing that all outstanding claims against said parties for which the general contractor would otherwise be liable, have been fully satisfied or provided for. Earlier payments and/or greater amounts may be mutually agreed upon.

Nothing in this section shall supersede any federal, state or local laws imposing more stringent requirements with respect to matters referred to herein.

Section 8. Rebates.

A general contractor shall not give or accept rebates, refunds, allowances, unearned discounts or special services to or from sub-contractors, material vendors or others which are not extended under like terms and conditions to or by other sub-contractors, material vendors, and others of equal credit rating.

Section 9. Financing.

A general contractor shall not permit or require sub-contractors or material vendors to finance his accounts unless such arrangement is expressly provided for in the original contract between the parties.

Section 10. Waiver of Legal Rights.

A general contractor shall promptly inform sub-contractors with whom he is contracting of any waiver of lien rights executed by the general contractor.

Section 11.

In competitive bidding a general contractor shall not offer or agree to assume the responsibility for deficiencies in or omissions from the plans and/or specifications, which he has not prepared or caused to be prepared by others, and upon which the contract is based for the purpose or with the effect or securing an unfair competitive advantage.

Section 12. Labor Welfare.

A general contractor shall provide for the welfare and safety of his workmen, complying with all applicable laws governing such matters. Except where such laws otherwise require he shall comply with the provisions of the safety manual heretofore adopted by the Associated General Contractors of America.

Section 13. No Prison Labor.

A general contractor shall not employ prison labor in the execution of the work.

Section 14. Payment of Wages.

A general contractor shall as promptly as possible make payment of all wages due, in lawful currency of the United States, or by a negotiable check at par therefor payable on demand. A general contractor or his agents shall accept no rebates directly or indirectly on such wages, nor give anything of value or extend favors to any person for the purpose of influencing rates of wages or the working conditions of his employees.

ARTICLE VI — REFERENCE TO PROVISIONS OF CHAP. I

The mandatory provisions required by the Act, and all other of the provisions contained in Chapter I of this Code (approved January 31, 1934) except as otherwise provided in this Chapter II, apply with like force and effect within this Division of the Construction Industry, as if incorporated herein.

ARTICLE VII—MODIFICATION

Subject to the provisions of Section 2, (c) of Article IV, D, of Chapter I of this Code, the provisions of this chapter, except as to provisions required by the Act, may be modified on the basis of experience or changes in circumstances, such modifications to be based upon application to the Administrator and such notice and hearing as he shall specify, and to become effective on his approval.

ARTICLE VIII—EFFECTIVE DATE

This chapter shall become effective on the thirtieth (30th) day after its approval by the President.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
102	General	Cahill	6000
103	Golden	Malloch	1000
104	Grazzini	Malloch	1000
105	Stoff	Owner	27500
106	Goggiano	Ravaglioli	3500
107	Laib	Ruidgren	1000
108	Hagerty	Peterson	3000

OFFICE BLDG.
(102) E NEWHALL ST. S Carroll St. One-story and basement frame office building.
Owner — General Brewing Corp., 369 Pine St., San Francisco.
Architect — Frederick H. Meyer, 525 Market St., San Francisco.
Contractor — Cahill Bros., Inc., 206 Sansome St., San Francisco. $6000

ALTERATIONS
(103) 75 CRANE; alter cleaning plant.
Owner—Golden City Cleaning & Dyeing Works, 75 Crane.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission Street. $1000

ALTERATIONS
(104) SE GEARY and 22nd Ave.; alter market.
Owner—E. Grazzini, SE Geary St. and 22nd Avenue.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission Street. $1000

APARTMENTS
(105) S PACIFIC AVE. 60 E Gough. Three-story and basement frame apartments (12 family).
Owner—Louis D. Stoff, 26 Montgomery St., San Francisco.
Architect—H. C. Baumann, 215 Kearny St., San Francisco.
Sub-Contracts. $27,500

DWELLING
(106) N FELTON 120 W Girard St. One-story and basement frame dwelling.
Owner—S. and Maria Goggiano.
Architect—Not Given.
Contractor—C. Ravaglioli, 100 Hamilton St., San Francisco. $3500

ALTERATIONS
(107) NO. 3337 CLAY ST. Alter apartments.
Owner—Olga D. Laib, Premises.
Architect—Not Given.
Contractor—A. C. Ruidgren, 346 Lowell St., San Francisco. $1000

STATION
(108) SW THIRTY-NINTH AVE. & Irving Street. One-story Class C service station.
Owner—Alice C. Hagerty, 554 Market St., San Francisco.
Architect—Not Given.
Contractor—C. Norman Peterson, 1211 E-34th St., Oakland. $3000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
78	Lyon	Netherby	4000
79	Varrella	Owner	1200
80	Erickson	Krauss	6000
81	Standard	Pittsburgh	30000
82	McGuithy	Hansen	5500
83	Woolley	Owner	5000
84	Bonds	Owner	5000
85	Trinity	Leiter	35000
86	Burgess	Crocker	3200

DWELLING
(78) NO. 5910 ASCOT DRIVE., **OAKLAND.** One-story 6-room dwelling.
Owner—L. F. Lyon.
Architect—Not Given.
Contractor — W. A. Netrerby, 3853 Lyman Road, Oakland. $4000

STATION
(79) NO. 1051 FOURTEENTH ST., **OAKLAND.** One-story steel service Station and one-story steel super service station.
Owner—Frank Varrella, 1065 14th St., Oakland.
Architect—Not Given. $1200

DWELLING
(80) NO. 801 CRAGMONT AVE., **BERKELEY.** Two-story 9-room frame dwelling and garage.
Owner — Mrs. Eleda Ericksen, 2259 Vine St., Berkeley.
Architect—Not Given.
Contractor—C. A. Krauss, 3146 Lynde St., Oakland. $6000

TANKS
(81) 921 98th AVE., **OAKLAND;** five steel tanks.
Owner—Standard Brands Co., 921 98th Ave., Oakland.
Architect—Not Given.
Contractor—Pittsburgh - Des Moines Steel Co., Balboa Bldg., San Francisco. $6000 each

DWELLING
(82) NO. 2947 SOUTHWOOD DRIVE, **ALAMEDA.** One-story five-room frame and stucco building.
Owner—W. E. McGuithy.
Plans by Owner.
Contractor—C. Hansen, 1500 Santa Clara Ave., Alameda. $5500

DWELLING
(83) NO. 3933 FRUITVALE AVENUE, **Oakland.** One-story 4-room dwlg.
Owner—B. F. Woolley, 2842 Delaware St., Oakland.
Architect—Not Given. $3400

DWELLING
(84) NO. 460 SPRUCE ST., **BERKELEY.** Three-story 8-room frame dwelling and garage.
Owner—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Architect—Not Given. $5000

EDUCATIONAL BLDG.
(85) NO. 2310 DANA ST., **BERKELEY.** Two-story 25-room Class C religious educational building.
Owner—Trinity M. E. Church, Bancroft Way, Berkeley.
Architect—George Rushforth, 21 San Mateo Road, Berkeley.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland. $35,000

DWELLING
(86) NO. 24 BUCKEYE AVE., **OAKLAND.** One and one-half-story 5-room dwelling.
Owner—Agnes Burgess.
Architect—Not Given.
Contractor — H. L. Crocker Jr., 30 Wilding Lane, Oakland. $3200

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
20	Moss	Martin	13180
21	Pacific	Acoustical	450
22	Pieri	Ferroni	11000
23	Lurie	Milton	4500
24	Venetian	McDonald	19300

DWELLING
(20) BEING THE W 30 FT. LOT 12 and E 20 ft. Lot 13 Blk 1326 Map Sub. No. 3, Seacliff. All work for two-story and basement frame dwelling and garage.
Owner—Fred B. and May D. Moss.
Architect—Not Given.
Contractor—William Martin, 666 Mission St., San Francisco.
Filed Feb. 24, '34. Dated Feb. 17, '34.
30th of each month..... 75%
Usual 35 days..... Final
TOTAL COST, $13,180.50
Bond, $6600. Surety, New Amsterdam Casualty Co. Limit, 120 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(21) NO. 140 NEW MONTGOMERY St. All work to install 1 inch Quietile #80 to ceiling surface in room 819 of Telephone Company's building.
Owner—The Pacific Telephone & Telegraph Co., 444 Bush St., San Francisco.
Architect—Not Given.
Filed Feb. 28, '34. Dated Feb. 26, '34.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $450
Bond, $450. Surety, Indemnity Co. Limit, forfeit, plans and specifications none.

FLAT AND STORE
(22) SE BUCHANAN AND GREENwich Sts. All work for two-story frame flat and store building.
Owner—P. Pieri, % Architect.
Architect—F. Frederick Amandes, 1879 18th Ave., San Francisco.
Contractor—G. Ferroni & Sons, 1964 Filbert St., San Francisco.
Filed Feb. 28, '34. Dated Feb. 26, '34.
Roof on $2750
Brown coat plaster on..... 2750
Completed and accepted..... 2750
Usual 35 days..... 2750
TOTAL COST, $11,000
Bond, $5500. Sureties, Paul Galli and Giusippe Giovanini. Limit, 120 days. Forfeit, none. Plans and specifications filed.

STATION
(23) E OTIS AND W MISSION STS. N 118-7⅛ W 35 m or l to pt on E Otis St. SE 129-5 to beg, being extreme SE ptn. of Lot 6-A Blk 3512, formerly known as Mission Plaza. All work for super-service station.
Owner—The Lurie Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor — W. Bryan Milton, 589 Haddon Road, Oakland.
Filed Feb. 28, '34. Dated ——.
Foundation in place..... $1125
Brick work in place..... 1125
Upon Completion 1125
5 days after completion..... 1125
TOTAL COST, $4500
Bond, limit, forfeit, plans and specifications, none.

BUILDING
(24) NE POWELL AND FRANCISCO Sts. All work for reinforced concrete building.
Owner—Venetian Baking Co., Prem.
Architect—Not Given.
Contractor—MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.
Filed Feb. 28, '34. Dated Feb. 28, '34.
5th of each month..... 75%
Upon completion 25%
TOTAL COST, $19,300
Bond, limit, forfeit, plans and specifications, none.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
10	U. of C.	Cedarborg	6299
11	Regan	Dupuy	8031

POULTRY HOUSE
(10)UNIVERSITY OF CALIFORNIA, Berkeley. All work for poultry experimental house.
Owner—University of California, Berkeley.
Architect—W. P. Stephenson, University of Calif. Campus.
Contractor—A. Cedarborg, 1455 Excelsior Ave., Oakland.
Filed Feb. 28, '34. Dated Feb. 27, '34.
1st day of each month 75%
Usual 35 days..... 25%
TOTAL COST, $6299
Bonds (2), Performance $3500; Labor and Materials, $3500. Surety, U. S. Guarantee Co. Limit, 65 days. Forfeit, $10 per day. Plans and specifications filed.

RESIDENCE
(11) NO. 25 OAKVALE AVE., Claremont. All work for two-story residence.
Owner—F. J. Regan.
Architect—Houghton Sawyer, Howden Bldg., Oakland.
Contractor—Fred K. Du Puy, 110 Sutter St., San Francisco.
Filed Feb. 28, '34. Dated Feb. 21, '34.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $8031.79
Bond, $8031.79. Surety, Massachusetts Bonding & Insurance Co., Limit, 80 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER restaurant, $750; 46 Third St. owner, J. B. Brown, Premises.
SIGN, metal, $50; 1230 Van Ness Ave ; owner, James W. McAllister, 1200 McAllister St.; contractor, De Vaux Signs, 552 McAllister St.
BARBER pole, $10; 252 Leavenworth St.; owner, J. Martin, Premises; contractor, W. H. Kirsben, 55 McAllister St.
SIGN, electric, $75; 1430 Larkin St.; owner, Buswell & Williams, 25 Sutter St.; contractor, Electric Products Corp., 255 Golden Gate.
ALTER dwelling, $490; 1108 Diamond St.; owner, John Miller Reid, 1103 Diamond St.
ALTER store, $300; 1426 Polk Street; owner, Hamburger & Kern, 110 Sutter St.
ALTER dwelling, $80; 218 Duboce Ave.; owner, Frank Bare, 118 Duboce Ave.
SIGN, electric, $100; 159 Church St.; owner, Allen Whist Club, Prem.; contractor, Laib, 7th and Folsom.
SIGN, porcelain, $30; 36 Sansome St.; owner, Coca Cola Co., Los Angeles; contractor, M. Hager, 1234 Steiner St.
ALTER restaurant, $150; 7 Market St. owner, J. Leighton Dairy Lunch Co., 1128 Market St.; contractor, P. O. Lind, Inc., 2745 16th St.
SIGN, porcelain, $30; 701 Van Ness Ave.; owner, Coca Cola Co., Los Angeles; contractor, M. Hager, 1234 Steiner St.
SIGN, porcelain, $30; 49 Market St.; owner, Coca Cola Co., Los Angeles; contractor, M. Hager, 1234 Steiner St.
SIGN, porcelain, $30; 308 Kearny St.; owner, Coca Cola Co., Los Angeles; contractor, M. Hager, 1234 Steiner St.
ALTER dwelling, $200; 3649 18th St.; owner, W. F. Applegate, 3648 18th Street .
FIRE wall, $260; 1028 Market St.; owner, Margaret D. Courtney; engineer, Ellison & Russell, 712 Pacific Bldg.; contractor, Peerless Ornamentol Iron & Bronze Works, 1528 Folsom St.
ALTER dwelling, $100; 468 Valley St.; owner, Melville W. Cutler, 468 Valley St.
BILLBOARD, $15; E Great Highway 600 N Balboa; owner, Foster and Kleiser Co., 1675 Eddy St.
BRACE theater parapet walls, $100; 936 Market St.; owner, Marion Davies Theatre, 936 Market St., contractor, Barrett & Hilp, 918 Harrison Street.
SIGN, electric, $200; 867 Market St.; owner, J. C. Penney Co., 867 Market St.; contractor, Novelty Elec. Sign Co., 66 Washburn.
REPAINT wood sign, $10; 1258 20th Ave.; owner, Garcia & Irving, 1258 20th Ave.
ALTER dwelling, $950; 619 Baker St.; owner, Miss Coughlan, 619 Baker; contractor, Wm. Martin, 666 Mission Street.
ALTER store, $150; 2124 Union Street; owner, G. A. Applegarth, 672 Russ Bldg.
ALTER private garage, $80; 660 Golden Gate Ave.; owner Pacific Welding Co., 660 Golden Gate Ave.
SIGN, electric, $200; 1101 Fillmore St.; owner, Beck's Pharmacy, 1101 Fillmore St.; contractor, Apex Elec. Co., 363 Fell St.
ALTER dwelling, $300; 3233 Pacific; owner, Dr. H. Sissen, 3233 Pacific.
ALTER dwelling, $400; 283 29th Ave.; owner, Gaskell Jacobs, 283 29th Ave.; architect, S. L. Hyman and A. Appleton, Foxcroft Bldg.
SIGN, electric, $150; 2 Leland Street; owner, Bayshore Hotel, Premises; contractor, QRS Neon Corp., Ltd., 690 Potrero Ave.
ALTER dwelling, $290; 250 11th Ave.; owner, H. Schibusch, Premises.
SIGN, electric, $100; SW Fillmore and Sutter Sts.; owner, United Cigar Store, Premises; contrasctor, QRS Neon Corp., Ltd., 690 Potrero Ave.
ALTER store, $200; 1300 Stockton St.; owner, Mercantile Prop. Corp., 155 Montgomery St.
ALTER restaurant, $350; 716 Kearny; owner, Henry Dobozin, 34 Turk St.
FLUES (4) $150; E Santa Ana Ave. 50 N Montercy Blvd.; owner, Mr. Gladstone, Premises; contractor, Lowell Davison, 375 Monterey Blvd
ALTER apartments, $100; 2665 Franklin St.; owner, H. J. Lewis, Prem.
GARAGE, private, one-story frame, $250; E Royal Lane 100 S Morse; owner, E. Achstetter, 57 Morse St.
SIGNS (2) electric, $15 each; Pine and Larkin Sts.; owner, Standard Station 1327, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER dwelling, $100; 251 28th St.; owner, G. V. Brewster, Premises.
ALTER restaurant, $60; 201 Front St. owner, J. Oconna and F. Usedom, Premises.
ALTER dwelling to church, $700; 2409 Washington St.; owner, Bethel Armenian Evangelical Church, 2409 Washington St.
FULES (5), $200; E Divisadero St. 50 N Pacific Ave.; owner, Mr. Sinton, Divisadero St.; contractor, Lowell Davison, 375 Monterey Blvd.
ALTER dwelling, $200; 3250 Harrison St.; owner, Mr. Compania, Prem.
ALTER barber shop, $200; 4640 Third St.; owner, Frieda Fenner, 4640 3rd
ALTER beauty school, $400; 883 Market St.; owner, A. Walters, Prem.; contractor, J. B. Weston, 2507 26th Ave.
MOVE sign from 617 Van Ness Ave., $25; 616 Van Ness Ave.; owner, Hobbs Battery, Premises; contractor, Golden Gate Neon Sign Co., Inc., 355 8th St.
SIGN, electric, $50; 1230 Van Ness Ave.; owner, James McAllister, 1230 Van Ness Ave.; contractor, Elec. Prod. Corp., 255 Golden Gate

ALAMEDA COUNTY UNDER $1000

FIRE REPAIRS, $500; 3689 Virden Ave., Oakland; owner, Mrs. June Chaplin, 3689 Virden Ave.; contractor, Walter Ericson, 3512 Hopkins St.
ALTERATIONS, $40; 435 11th St., Oakland; owner, C. Meyersten, 435 Eleventh St.
REPAIRS, $40; 1019 Ardmore Ave., Oakland;; owner, C. Capwell, 1019 Ardmore Ave.; contractor, Larry Burror, 642 14th St.
ALTERATIONS, $75; 2060 Oxford St., Berkeley; owner, ——; contractor C. Jordan, 80 Rock Lane.
ALTERATIONS, $260; 1055 Euclid Ave. Oakland; owner, J. Lowel; contractor, J. C. Henderson, 1159 Regent St., Alameda.
ALTERATIONSfi $700; 848 14th St., Oakland; owner, R. W. Powell, 5345 Locksley Ave.
SHED, one-story, $500; 1700 E-12th St., Oakland; owner, S. Friedman Premises.
ALTERATIONS, $217; 3744 Elston Ave., Oakland; owner, E. D. Peters, Premises.
SIGN, electric, $100; 1512 Broadway, Oakland; owner, Regal Shoe Co., contractor, Imp Elec. Sign Co., 2228 Myrtle St.
SIGN, electric, $100; 5509 Telegraph Ave., Oakland; owner, L. W. Rose contractor, Brown Neon Sign So., 1561 San Pablo Ave., El Cerrito.
ALTERATIONS, $20; 744 E-12th St., Oakland; owner, H. L. McCoy, 744 E-12th St.
GARAGE, one-story, $100; 1.24 58th Ave., Oakland; owner, Nellie A. Youell, 1124 58th Ave.
ALTERATIONS, $350; 611-15 51st St., Oakland; ownr, E. P. McElwain, 6117 Racine St.; contractor, A. Leone, 706 63rd St.
ALTER for garage, $350; 1104-06 14th St., Oakland; owner, G. W. Stahl, 1103 14th St.
SIGN, electric, $250; NE 16th St. and San Pablo Ave., Oakland; owner, East Bay School of Beauty Culture; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
SIGN, electric, $150; 5830 College Ave., Oakland; owner, Willis Flower Shop; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
ALTERATIONS, $200; 1859 Catalina St., Berkeley; owner, Veterans' Welfare Board, 364 14th St., Oakland.
ALTERATIONS, $460; 2570 Bancroft Way, Berkeley; owner, H. C. Wyckoff, 310 California St., San Francisco; contractor, W. F. Lynn, 1037 Ashmount Ave., Oakland.
ADD porch, $100; 2329 Roosevelt St., Berkeley; owner, Mrs. Tibbits, Premises.
ALTERATIONS, $100; 60 Plaza Drive, Berkeley; owner, E. S. Hesseldeny, Prem.; contractor, Guy Tyler, 1052 Cedar St.
ALTERATIONS, $75; 2072 Center St., Berkeley; owner, American Trust Co., contractor, O. R. Bliss, 811 Craft Ave.
ALTERATIONS, $500; 2355 Hillgard St., Berkeley; owner, San Jose Bldg. & Loan Co., 3449 San Pablo Ave., Oakland.

FIRE repairs, $100; 1921 Woolsey St., Berkeley; owner, I. Treleaven, 1921 Woolsey St.; contractor, W. A. Peterson, 7127 Weld St., Oakland.
ALTERATIONS, $180; 1854 Thousand Oaks Blvd., Berkeley; owner, W. B. Towne, Premises; contractor, Webb & Whalin, 2930 22nd Ave., Oakland.

CHIMNEY, patent, $15; 2554 55th Ave., Oakland; owner, Mrs. L. Mueller contractor, Mauck Sheet Metal Works, 8417 Blanche St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bands
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
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Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

PLANNED.

EMERYVILLE, Alameda Co., Cal.—Application has been filed with the Public Works Administration for a loan of $2,000,000 to finance construction of group of twelve 4-story apartment buildings to contain three and four room apartments. If the loan is granted the buildings will be erected on a 12-acre site on the west side of San Pablo Avenue between 45th and 53rd Sts., Emeryville. E. G. Bangs, 411 30th St., Oakland, architect. Following are intereste in the proposed project: Robert C. Williams, housing consultant, R. O. Brown, Alameda County Apartment House Assn.

Sub-Bids Being Taken.

APARTMENTS Cost, $35,000
SAN FRANCISCO. S Pacific Ave. 60 E Gough St.
Three-story and basement frame and stucco apartments (6 3-room and 6 2-room apts.) composition roof, gas steam heating plant, tiled baths, hardwood floors, wall beds, electric refrigeration, etc.)
Owner and Builder—Louis D. Stoff, 26 Montgomery St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

To Be Done By Day's Work.

ALTER APARTMENTS Cost, $—
BERKELEY, Alameda Co., Cal. No. 355 Hilgard Street.
Alterations and additions to apartment building (stucco exterior, roofing, painting, laundry improvements, etc.)
Owner — San Jose Pacific Building & Loan Co., 3449 San Pablo Ave., Oakland.
Plans by Owner.
Construction will be done by day's work under the supervision of the Empire Trading Corp., Ltd., 3447 San Pablo Ave., Oakland.

Contract Awarded.

ALTERATIONS Cost, $1000
SAN FRANCISCO. No. 3337 Clay St.
Alterations to apartments.
Owner—Olga D. Laib, 3337 Clay St., San Francisco.
Architect—Not Given.
Contractor—A. C. Ruidgren, 346 Lowell St., San Francisco.

Construction Postponed Indefinitely.

APARTMENTS Cost, $——
SAN FRANCISCO. Cabrillo Street and Forty-fourth Avenue.
Three-story frame and stucco apartment building (eight 3-room apts.) steam heating system, electric refrigeration, wrought iron, brick work, hardwood floors, etc.
Owner—H. B. Schlinger, Room 207, 510 Battery Street.
Plans by Owner.

2— BONDS

BIDS WANTED

MONTEREY, Cal.—Until March 8, at 4 P. M., bids will be received by the Monterey City Council, for an issue of $54,000 in five per cent Municipal Improvement Bonds. Proceeds from the sale, supplemented by a grant of $22,000 from the Federal Public Works Administration will be used in construction of the outfall sewer system.

3— CHURCHES

Plans Being Figured.

AUDITORIUM Cost, $——
SAN FRANCISCO. Oakdale Avenue.
One-story and mezzanine floor auditorium for All Hallows' Church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect — John J. Foley, 770 Fifth Ave., San Francisco.

Owner Taking Bids.

CHURCH Cost, $3000
CROCKETT, Contra Costa Co., Cal.
One-story wood frame church building (shakes exterior, shakes roof, gas heating system, wood floors) auditorium to seat 100.
Owner—St. Marks Episcopal Church (Rev. Miller, pastor) Crockett.
Architect—W. C. Ambrose, 244 Kearny St., San Francisco.

COMPLETING PLANS.

LOS ANGELES, Cal.—Architect P. P. Lewis, 1063 Westwood Blvd., West Los Angeles, will complete working plans this week for a church building to be built at the corner of Hilgard Ave. and Lindbrook, West Los Angeles, for the Christian Science Church. The building will seat about 500 and will be of frame and stucco construction, tile roofing, cement flors carpeted, hardwood and pine trim, gas steam radiators, toilets, etc.

Preparing Preliminary Plans.

RECTORY Cost, $25,000
VALLEJO, Solano Co., Calif.
Two-story and basement brick veneer rectory (18 rooms) slate roof.
Owner—St. Vincents Parish Church (Rev. Father Butler, rector) Vallejo.
Architect—Arnold Constable, 580 Market St., San Francisco.

4— FACTORIES & WAREHOUSES

Refrigeration Contract Awarded.

ALTER WAREHOUSE Cost, $——
SAN FRANCISCO. No. 1650 Third St.
Alterations and additions to building for warehouse and distributing plant (install refrigeration system, etc.)
Owner—Anheuser Busch Brewing Co., 17 Bluxome St., San Francisco.
Plans by Engineering Dept. of Owner.
Refrigeration — Cyclops Iron Works, 837 Folsom St., San Francisco.

CONTRACT AWARDED

FORT LEWIS, Wash.—Nelse Mortensen Company, 1021 Westlake Ave. North, Seattle, Wash., at $46,920 awarded contract by Constructing Quartermaster for the construction of two stables at Fort Lewis. Complete bids published February 17.

Sub-Contracts Awaarded.

COOPERAGE Cost, $50,000
FRESNO, Fresno Co., Cal.
Construct new cooperage (two one-story steel frame buildings with wood roofs).
Owner—Western Cooperage Company. American Bank Bldg., Portland.
Architect—Not Given.
Contractor—Austin Co. of Calif., 1924 Broadway, Oakland.
Structural Steel—Judson-Pacific Co., Foot of Park Ave., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.

CONTRACT AWARDED

EMERYVILLE, Alameda Co., Cal.—Pittsburgh Des Moines Steel Co., Balboa Bldg., San Francisco, at approximately $6000 awarded contract for the construction of five steel tanks for the Standard Brands Co. at 921 98th Avenue, Emeryville.

Contract Awarded.

WAREHOUSE Cost, $250,000
PORTLAND, Ore. Ash Street. 235-ft. frontage.
Three-story mill construction warehouse (130,000 sq. ft. floor space) elevators, conveyors, etc.
Owner—General Grocery Co., 2 North First St., Portland.
Architect—Sutton, Whitney & Aandahl, Lewis Bldg., Portland.
Contractor—G. H. Buckler Co., Lewis Bldg., Portland.

PLANS COMPLETED.

VERNON, Los Angeles Co., Calif.—Architect J. M. Cooper, 6241 W 6th St., Los Angeles, has prepared plans for a factory building at 3601 Santa Fe Ave., Vernon, for Glass Containers, Inc. Work will be started this week with Mr. Cooper in charge of construction. Will be a one-story and part two-story structure, containing about 16,000 sq. ft. of floor space; steel frame construction, corrugated iron siding, steel sash, steel trusses and wood roof construction, composition roofing, concrete and wood floors, ventilating system, high and low pressure air lines, cooling system, plumbing, electrical work, etc. Cost, $75,000.

Contract Awarded.

STILL Cost, $——
ST. HELENA, Napa Co., Cal.
Construct new still and make other improvements to winery.
Owner—Engelbert Winery (Philip Levin, et al).
Architect—Not Given.
Contractor—Ralph Murphy, Napa St., Sonoma.

BIDS WANTED

SEATTLE, Wash.—Until March 6, 10 A. M., bids will be received by Seattle Port Commission for the installation of an automatic sprinkler system for the new fish handling shed on Spokane Street Pier. Plans and specifications available from commission at Bell Street Terminal, Seattle.

Sub-Contracts Awarded.

PACKING HOUSE Cost, $8000
SANTA CLARA, Santa Clara Co., Cal. Campbell Avenue.
One-story wood frame packing house (concrete piers; corrugated iron roof, etc.)
Owner — Security Warehouse & Cold Storage Co., Campbell Ave., Santa Clara.
Plans by Engineering Dept. of Owner.

Contractor—M. W. Reese, 1210 Minnesota St., San Jose.
Concrete—Pyle Bros., 1404 Jonathan St., San Jose.
Lumber and Mill Work—Chase Lumber Co., 547 Santa Clara St., San Jose.
Plumbing—A. Andrade, Santa Clara.

CONTRACT AWARDED
ADDITION Cost, $25,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal. No. 20 S-Linden St.
Reinforced concrete addition to ink manufacturing plant.
Owner — George H. Morrill Co., 130 Fremont St., San Francisco.
Plans by Engineering Dept. of Owner. New York City.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
Sub-bids are in and will be awarded within a few days.

Being Done By Days' Labor.
ADDITION Cost, $——
SANTA CLARA, Santa Clara Co., Cal N-Eighth tS., bet. Jackson and Taylor Sts.
One-story corrugated iron addition to packing plant (10,000 sq. ft. floor space).
Owner—Santa Clara Packing Company (Albert W. Beall, President), Santa Clara.
Architect—Ralph Wyckoff, San Jose National aBnk Bldg., San Jose.
Work is being done by day's labor under the owner's supervision.

Construction Postponed Indefinitely.
BUILDINGS Cost, $10,000
ALAMEDA, Alameda Co., Cal. Corporation Yard (North end Grand Street).
Group of 7 reinforced concrete buildings (sheds, etc.)
Owner—City of Alameda.
Engineer—G. E. Sperbeck, City Hall, Alameda (care Street Dept.)

BIDS WANTED
SAN FRANCISCO.—Until March 15, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for the construction of a one-story steel frame and reinforced concrete pier shed, 111x574 ft. with 2-in. Redwood deck roof, including laying of railroad track on east and west aprons, relaying portion of track on south apron, wrecking present wooden shed and shop, plumbing and electrical work. Plans and specifications available from above office upon deposit of $15.00.

Construction Under Way.
ADDITION Cost ,$——
SUNNYVALE, Santa Clara Co., Cal.
Addition to packing plant (truss constructed frame with concrete retaining wall, 50x500 ft., new machinery, etc.)
Owner—Schuckl & Co., Sunnyvale.
Plans by Engineering Dept. of Owner.
Roofing—Bush Roofing Co., St. Claire Bldg., San Jose.
Cement—V. Parrish, Santa Clara.

Foundation Contract Awarded.
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St. 100 N Bryant St.
Owner—Milwaukee Brewery Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Foundation—Cahill Bros., 206 Sansome St., San Francisco.
Concrete—Golden Gate Atlas Materials Co., 16th and Harrison Sts., San Francisco.

Sub-Contracts Awarded.
MFG. PLANT. Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2 and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Pattitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Painting—D. Zelinsky & Sons, Inc., 165 Grove St., San Francisco.
Flooring—Royal Floor Co., Seventh & Brannan Sts., San Francisco.
Other awards previously reported.

CONTRACT AWARDED
SANTA MONICA, Los Angeles Co., —L. B. Norman, 1034 17th St., Santa Monica, has the contract for an addition to a factory building at 3000 Ocean Park Blvd., Santa Monica, for Douglas Aircraft Co. The addition will cover an area of 125x297 feet. Hollow tile construction, white washed exterior, steel sash, cement floors, metal skylights, etc. Cost, $30,000. Ellis Wing Taylor, structural engineer; S. B. Barnes, consultant, 803 W. Third St., Los Angeles.

Plans Being Figured—Bids Close Mar. 8th.
ADDITION Cost, $——
ALAMEDA, Alameda Co., Calif. Foot of Paru Street.
Additions to terminal (timber dock and frame and corrugated iron warehouse, 300x700 ft.) spur tracks concrete piling, etc.
Owner—Alaska Packers' Association, 111 California St., San Francisco.
Engineer—Philip Bush, care California Packing Corp., 101 California St., San Francisco.
M. B. McGowan, 74 New Montgomery St., San Francisco, is among the contractors figuring the plans.

Contract Awarded.
OIL TERMINAL Cost, $50,000
STOCKTON, San Joaquin Co., Cal. Rough and Ready Island.
Steel oil terminal, dock, storage tank, 55,000 barrell capacity; office building, etc.
Owner — George H. Corse et al, 405 Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Chicago Bridge & Iron Works, 116 New Montgomery St., San Francisco.
Contractor—John Hackman, Borden Highway, Stockton.
As previously reported, piling awarded to P. Sinnock, 147 W. Scotts St., Stockton; water well to George W. Clark, Route 4, Box 492, Stockton; water pumping plant and equipment, Sterling Pump Co., 646 S. California St., Stockton.

5— FLATS

Construction Postponed Temporarilly
FLATS Cost, $——
SAN FRANCISCO. Jefferson Street near Fillmore Street.
Two two-story and basement frame and stucco flats (4 flats); tile and composition roof, gas fired steam heating system, canvas walls, tiled baths, hardwood floors, etc.
Owner—Mr. Iacono.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Further announcement will be made at a later date.

Construction Postponed Tempararilly
FLATS Cost, $——
SAN FRANCISCO. Jefferson Street near Fillmore Street.
Two-story and basement frame and stucco flats (2 flats) tile and composition roof, gas fired steam heating system, canvas walls, tiled baths, etc.
Owner—Mr. Cotugno.
Architect—Sidney A. Colton, 544 Market St., San Francisco.

6— GARAGES & SERVICE STATIONS

Owner Taking Bids.
SERVICE STATION Cost, $——
OAKLAND, Alameda Co., Cal. E-12th St. and Miller Ave.
Reinforced concrete service station (four pumps, grease room, storage and battery rooms, etc.)
Owner—R. Fiori, 3291 School St., Oakland.
Architect—Leonard Ford, 2022 Berkeley Way, Berkeley.

Planned.
SERVICE STATION Cost, $——
FRESNO, Fresno Co., Cal. SE San Joaquin and Van Ness Ave.
Service station.
Owner—Gilmore Oil Co., 2423 E. 28th St., Vernon (Ralph Clithero, Mgr.)
Plans by Engineering Dept. of Owner.

February 28, 1934

Planned.
SERVICE STATION Cost, $——
SACRAMENTO, Sacramento Co., Cal. Sw Third and M Streets.
New service station (two 1,000-gallon and one 2,000-gal. storage tanks).
Owner—Standard Oil Co., 10th and J Sts., Sacramento.
Plans by Engineering Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, $3000
SAN FRANCISCO. SW Thirty-ninth Ave. and Irving St.
One-story Class C service station.
Owner—Alice C. Hagerty, 554 Market St., San Francisco.
Architect—Not Given.
Contractor—C. Norman Peterson, 1211 E-34th St., Oakland.

Contract Awarded.
SERVICE STATION Cost, $2500
FRESNO, Fresno Co., Cal. Broadway and Mariposa Sts.
Steel service station.
Owner—Richfield Oil Co., 3040 Railroad St., Fresno.
Plans by Engineering Dept. of Owner.
Contractor—J. T. Cowan, 433 Roosevelt Way, Fresno.

Contract Awarded.
SERVICE STATION Cost, $4500
SAN FRANCISCO. E Otis W Mission Street.
Super service station.
Owner—Lurie Co., 333 Montgomery St.
Architect—Not Given.
Contractor—W. B. Milton, 589 Haddon Road, Oakland.

7—FEDERAL BUILDING

CONTRACT AWARDED
BOISE, Idaho—J. O. Jordan & Son, Boise, Idaho, have been awarded a contract by the Veterans' Administration, at $7345 for the construction of on incinerator and incinerator house at the Veterans' Administration Facility, Boise.

CONTRACT AWARDED
SEATTLE, Wash.—Macrie & Steffensen, Seattle, have been awarded a contract by the Treasury Department at $22,722 for fence and lawns at the U. S. Marine Hospital, Seattle.

LOW BIDDER—
WASHINGTON, D C.—Pacific Elevator Co., 45 Rausch St., San Francisco, at $72,000 submitted low bid to Treasury Department, Washington, D. C., for furnishing elevator equipment for Federal Office Building at Civic Center, San Francisco.

Otis Elevator Co., at $80,620 submitted second low bid; Westinghouse Elevator Co at $95,725 submitted third lowest bid.

BIDS OPENED.

VALLEJO, Solano Co., Calif.—Industrial Iron Works, 1350 34th Street, Oakland, at $635 submitted low bid to R. L. Cassady, Postmaster, Vallejo postoffice, for the erection of an iron fence around the Federal Building at Vallejo. Complete bids follow:

Industrial Iron Works, Oakland	$635
Standard Fence Co., S. F.	750
Patterson & Koster, S. F.	790
Star Orn. Iron Works, S. F.	792
Industrial Orn. Iron, Bronze and Wire Works, S. F.	865
Golden Gate Iron Works, S. F.	900
Berkeley Welding & Ornamental Iron Works, Berkeley	996
Stewart Iron & Chain Link Fences San Francisco	998
F. Kern & Sons, San Francisco	1067
Anchor Post Fence Co., S. F.	1074
West Coast Wire & Iron Works, San Francisco	1310

CONTRACT AWARDED

PEARL HARBOR, T. H.—R. E. Woolley, Honolulu, at $182,400 awarded contract by Bureau of Yards and Docks, Navy Department, for the construction of Quarters at the Naval Submarine Base, Pearl Harbor, T. H. Work involves, concrete piles, frame, glazed vitrified tile, steel windows, hollow metal and metal covered work, built-up roofing and sheet metal work, marble, tile and terrazzo work, lathing, plastering, wood doors, plumbing, refrigeration and electrical system. Spec. No. 7526.

Complete bids published Feb. 13.

LOW BIDDER

SEATTLE, Wash.—Patterson Bros., 2659 Webster St., Oakland, at $3440 submitted low bid to Treasury Department, for painting plaster in the U. S. Immigration Station, Seattle. Complete bids will be published shortly.

LOW BIDDER

BEND, Oregon—Lorty & Son, Redmond, Oregon, at $2280 submitted low bid to Treasury Department, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office at Bend, Oregon. Complete bids will be published shortly.

COMPLETE BID LISTING

FORT LEWIS, Wash.—As previously reported, Henrickson Alstrom Construction Co., Textile Tower, Seattle, at $231,290 submitted low bid to the Constructing Quartermaster, Fort Lewis, for the construction of seven one-story concrete and brick gun sheds at Fort Lewis. Buildings are all one-story faced with brick, concrete floors, asbestos shingle roofing, steel roof trusses and range in size from 160x41 feet to 338x35 ft.

Following bids received:

Henricksen Alstrom Constr. Co., Seattle	$231,290
A. F. Mowat	237,000
Nelse Mortensen & Co.	239,490
Emil Pohl	240,000
J. J. Lohrenz	244,642
Western Constr. Co.	245,949
General Constr. Co.	247,800

Bids held under advisement.

SUB-CONTRACTS AWARDED.

FORT LEWIS, Wash.—Hoard Engr. Co., Seattle, awarded the following sub-contracts for the construction of the Bachelor Officers' quarters and Administration Building at Fort Lewis. The cost is $170,284.

Reinforcing steel, Pioneer Sand and Gravel Co.; structural steel, Isaacson Iron Works; stone, Walker Cut Stone Co.; lumber, Puget Sound Lumber Mfg. Co.; painting, Chas. E. Swanson; roof tile, Gladding-McBean and Co.; plumbing and heating, Bergh-Griggs, Tacoma; millwork, Pacific Door Co.; finish hardware, Contractors' Hardware Co.; rough hardware, Schwabacher Hardware Co.; plastering, F. Stabbert; cement, Superior Portland Cement Co.; sand and gravel and excavation, Holyroyd Co., Tacoma; ornamental iron, Rainier Orn. Iron and Wire Works & Jorgensen Iron Works; steel partitions, windows, asphalt tile, Tourtellotte-Bradley; hardwood floors, Kelly-Goodwin.

ADDITIONAL SUB-CONTRACTS AWARDED

HAMILTON FIELD, Marin Co., Cal.—Oliver S. Almlie, 60 Sussex St., San Francisco, awarded the following additional sub-contracts for the construction of a one-story reinforced concrete quartermaster's warehouse (160x65 feet) at Hamilton Field:

Plumbing and Heating—J. A. Fazio, 402 Castro St., Oakland.
Sheet Metal—Edgar W. Anderson Co., 3103 San Pablo Ave., Oakland.
Concrete Work—Peter Bontini, 802 C St., San Rafael.
Rough Hardware—Dunham Carrigan & Hayden Co., Kansas and Division Sts., San Francisco.
Finish Hardware—Palace Hardware Co., 581 Market St., San Francisco.
Glass and Glazing—W. P. Fuller & Co., 301 Mission St., San Francisco.
Electrical Work—W. K. Jennings, 58 Spring Grove Ave., San Rafael.
Refrigeration—Shirar Young Co., 1400 Van Ness Ave., San Francisco.
Screens—Sorey Jamestown, San Francisco.
Steel Sash—Truscon Steel Co., Atlas Bldg., San Francisco.

BIDS WANTED

MARYSVILLE, Yuba Co., Cal.—Until March 10, 10 A. M., bids will be received by Postmaster J. M. Cremin, Marysville, for furnishing and installing an electric clock in the lobby of the new Marysville Post Office. Previous bids received were rejected. Specifications available from above office.

BIDS REJECTED.

SEATTLE, Washington. — Treasury Department rejected all bids received on February 2 for painting plaster at the U. S. Federal office building in Seattle. The work will be deferred until the building has been waterproofed.

LOW BIDDERS

BOISE, IDAHO—Smythe & Co., 1416 F St., N. W., Washington, D. C., submitted the low bid to the Treasury Department on February 20, a $14,774, for repairs to the United States assay office at Boise. J. O. Jordan & Son, Boise, were second low bidders at $17,483 and Paul Solberg, Boise, was third at $17,598.

BIDS OPENED.

SAN FRANCISCO. — As previously reported, Anthony DiLorenzo, New York City, at $6,460 submitted low bid to the Treasury Department for plaster models for the new Federal Office Building in San Francisco. Following bids received:

Anthony DiLorenzo, N. Y. C.	$ 6,460
Rochete & Paszeni Corp., New York City	8,888
Geo. Rosalie, N .Y. C.	9,358
Aug. Dackert Co., S. F.	10,475
P. O. Tognelli, S. F.	13,640

Bids held under advisement.

LOW BIDDER.

SAN DIEGO, Cal.—W. B. Melhorn, 1012 Alberta Place, San Diego, submitted low bid to 11th Naval District, San Diego, for extension of provision shed roof at the Naval Operating Base (Supply Depot), San Diego; Spec. No. 7624. Work includes wood framing of walls and roof and wood trim, galvanized corrugated steel on exterior walls and roof, galvanized iron gutters and painting of woodwork.

AWARD.

REDLANDS, San Bernardino Co., Cal.—Sarver & Zoss, 1015 W 4th St., Los Angeles, awarded contract by the Standard Accident Insurance Company bonding agents for the original contractors, for completing the Redlands postoffice building, which is about 60% finished. The original contract for the construction of the building, which was held by the North-Moller Company at $104,989, was terminated by the Treasury Department in January. The building will be a one-story and part two-story structure, 107x126 feet in area; steel and brick construction, stucco exterior, clay tile roof, terra cotta trim, polychrome tile dome, steel sash, wrought iron, wood block and marble floors, hardwood trim, vaults, low pressure steam heating system, interior stucco, etc. G. S. Wilson, Riverside, architect.

BIDS OPENED.

BOISE, Idaho.—Smythe and Company, Washington, D. C., at $14,774 submitted low bid to Treasury Department for repairs to Assay Office in Boise. Following bids received:

Smythe & Co., Washington	$14,774
J. O. Jordan & Son, Boise	17,483
Carl J. Solberg, Boise	17,598
C. F. Dinsmore & Co., Boise	19,900
R. C. Cunningham, Boise	20,000
Wm. MacDonald Const. Co., St. Louis	28,847

LOW BIDDER.

CALEXICO, Imperial Co., Cal.—Imperial Valley Hardware Co., Calexico, submitted the low bid to the Treasury Department on February 7 at $276.39 for furnishing 74 Venetian blinds for Calexico.

PLANS COMPLETE.

ANAHEIM, Orange Co., Calif.—Architect F. H. Eley, 109 Orange Ave., Santa Ana, has submitted plans to Treasury Department for final approval for U. S. post office building on West Broadway, between Lemon and Los Angeles Sts., Anaheim. Will be a 2-story and basement structure, 125x64 ft. in area, of masonry and steel construction. Appropriation is $117,000.

CONTRACT AWARDED

ALBROOK FIELD, Canal Zone—Aqua Systems, Inc., 2 Lafayette St., New York City, at $61,675 awarded contract by the War Department, Washington, D. C., for the construction of a hydraulic gasoline fueling system at Albrook Field.

CONTRACTS AWARDED

ALBROOK FIELD, Canal Zone — Grebien & Martinez, Box 697, Panama City, C. Z., awarded contract by the War Department, Washington D. C., at $119,914 for construction of A. C. technical buildings and at $15,680 for armament building; both at Albrook Field, C. Z.

BIDS WANTED

FORT STANTON, New Mexico—Until March 23, bids will be received by Treasury Department, Washington, D. C., for furnishing and installing elevator in Marine Hospital, Fort Stanton, New Mexico.

BIDS OPENED

BEND, Oregon—Lorty & Son, Redmond, Oregon, at $2280 submitted low bid to Treasury Department, Wash-

ngton, D. C., for painting the plaster, tc., in the U. S. Post Office at Bend, Oregon. Only other bid was submitted by A. D. Lewis, Bend, Oregon, at 3945. Bids held under advisement.

BIDS OPENED

SUNNYVALE, Santa Clara Co., Cal. —Clinton Stephenson Constr. Co., 550 Montgomery St., San Francisco, at 9143 submitted low bid to the 12th Naval District, San Francisco, for the construction of two sentry houses and a garbage and tool building at the Naval Air Station at Sunnyvale; Spec. No. 7585. Complete bids follow:

Clinton Stephenson, S. F.	$ 9,143
Theo. Johanns, S. F.	9,375
Wm. Spivock, San Francisco	9,917
C. L. Wold, San Francisco	10,597
San Francisco Const. Co., S. F.	11,366

All bids held under advisement.

3— CLUB BUILDINGS

Plans Completed.

COMMUNITY HOUSE Cost, $25,000
PALO ALTO, Santa Clara Co., Calif. Rinconada Park.
Community house (Spanish-California style) recreation room, 40 by 70 ft.; administrative offices, meeting rooms, kitchen, etc.
Owner—City of Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Mgr. of Constr.—Wells P. Goodenough 310 University Ave., Palo Alto.
Application has been filed with the CWA for labor.

Contract Awarded.

ALTER LODGE Cost, $16,500
FRESNO, Fresno Co., Calif. 1202-14 Broadway.
Lodge building.
Owner—I.O.O.F., Fresno.
Architect—Not Given.
Contractor—G. W. Willinghave, 341 S. Broadway, Fresno.

Construction to Start Shortly.

LODGE Cost, $11,000
PITTSBURG, Contra Costa Co., Cal. School and Norton Streets.
Two-story frame and stucco Masonic temple (40x70-feet; lodge rooms, club room, banquet hall, etc.)
Owner—Pittsburg Lodge No. 429, F. & A. M. (W. G. Buchanan, Master).
Architect—Not Given.
Contractor—G. E. Seeno, 1520 E 2nd St., Pittsburg.

AWARD.

LOS ANGELES, Calif.—Wm. Simpson Co., builder, 816 W 5th St., has applied for building permit to erect a two-story, 12-room frame and stucco club building at 1925 Wilshire Blvd. for Los Angeles County Medical Association, owner, 1925 Wilshire Blvd. Gordon B. Kaufmann, architect, 610 Union Bank Bldg.; Murray Erick, engineer, 811 W 7th St.; 68x100 ft., composition roof, wood roof trusses, metal revolving roof vents, ornamental iron, iron ladder, cement, oak, pine, linoleum and cork floors, gas-steam radiators, ventilating system, kitchen equipment electric refrigeration. Cost, $25,000.

Prospective Bidders.

MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust Street and Mineral King Avenue.
Two - story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Assn.
Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Following have procured plans. Bids open March 10, 2 P. M.:
Stroud Bros. & Seabrook, Union Avenue at Santa Fe Railway, Bakersfield.
W. J. Ochs, American Trust Company Bldg., San Jose.
Trewhitt and Shields Co., Pacific Southwest Bldg., Fresno.
Campbell Const. Co., 800 R Street, Sacramento.
Los Angeles Contr. Co., 4816 West Pico Blvd., Los Angeles.
N. H. Sjoberg & Son, Call Bldg., San Francisco.
Geo. Swanstrom, 1615 78th Avenue, Oakland.
J. Dan Shorb, 1295 Linden Avenue, Fresno.
David Nordstrom, 4150 Emerald St., Oakland.
Geo. J. Maurer, 50 York Dr., Oakland.
E. T. Lesure, 87 Ross Circle, Oakland.
Wm. Spivock, Hobart Bldg., San Francisco.
Fisher & McNulty, 505 Mattei Bldg., Fresno.
Plans and specifications are available from the architects upon deposit of $25. Bids are being taken for general contract with separate bids for heating.

9— HOSPITALS

PROSPECTIVE BIDDERS

FORT STANTON, New Mexico—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on March 14 for the construction of main hospital building, laundry and power plant at the U. S. Marine Hospital, Fort Stanton, New Mexico:
Dickie Constr. Co., Louderman Bldg. St. Louis, Mo.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
Bedford Stone Club, Bedford, Ind.
Math, Rauen Co., 326 W. Madison St., Chicago.
P. O. B. Montgomery, Dallas, Tex.
M. M. Sundt Constr. Co., Tucson, Arizona.
J. J. Irwin, 523 Mond Bldg., Washington, D. C.
The W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.

12— POWER PLANTS

BIDS WANTED

ALCATRAZ ISLAND, Cal. — Until March 12, 2 P. M., bids will be received by the U. S. Department of Justice, Bureau of Prisons, Washington, D. C., for furnishing and installing steam turbine generator, gasoline engine, emergency generator, switchboard, panels and wiring at the U. S. penitentiary, Alcatraz Island., Sch. 980.
Specifications available at Alcatraz Island (Telephone EXbrook 2674, Local 34).

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed.

ADDITION Cost, $90,000
VISALIA, Tulare Co., Cal.
Three-story addition to courthouse (central heating plant) approx. 20,000 sq. ft. of floor space.
Owner—County of Tulare.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Structural Engineer—F. W. Kellberg, 320 Market St., San Francisco.
Construction of the project depends upon the grant of the 30% from the Government.

BONDS DEFEATED.

NATIONAL CITY, San Diego Co., Cal.—National City voters defeated a $26,000 bond issue on February 19, the proceeds from which were to have been used for the construction of a new city hall. Lillian J. Rice, Rancho Santa Fe, architect.

BIDS WANTED.

SAN LEANDRO, Alameda Co., Cal. —Until March 20, 10:30 A. M., bids will be received by G. E. Wade, clerk, County Board of Supervisors, for furnishing and installing lighting fixtures for the San Leandro Veterans' Memorial Building. Plans and specifications available from above office upon deposit of $10.00. Henry H. Meyers, Kohl Bldg., San Francisco, architect.

BOND ELECTION

OCEANSIDE, San Diego Co., Cal.—Oceanside City Council has set April 9 as the date for submitting a $40,000 bond issue for a new City Hall and Library and a $60,000 bond issue for a bathhouse and plunge to be erected in Oceanside. Architect Virgil Westbrook, San Clemente, prepared plans for the City Hall and Library. Mr. Westbrook, in collaboration with Architect Wm. P. Lodge, California Bk. Building, San Diego, designed the plunge.

Preparing Working Drawings.

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Cal. Market and San Carlos Sts.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined).
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Bonds in the amount of $375,000 were recently voted to finance construction.

Project Approved.

CITY HALL AND FIRE STATION Cost, $47,888
PORTERVILLE, Tulare County, Cal. Main and Cleveland Streets.
Two-story reinforced concrete City Hall (55x80 feet); tile roof; steel cells, offices, etc.; one-story reinforced concrete fire station (32x75 feet).
Owner—City of Porterville.
Architect—W. D. Coates, Rowell Bldg. Fresno.
Civil Works Administration has approved the above project and construction will be started about May 1.

Plans Completed.

ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Plans have been filed with the PWA for approval.

Preparing Working Drawings.

MEMORIAL Cost, $60,000
MONTEREY, Monterey Co., Cal. Civic Center.
Two-story steel frame and reinforced concrete Memorial (to house city offices); tile roof, steam heating system, plaster, exterior, etc.)
Owner—Trustees of the Few Estate (to be deeded to the City).
Architect—W. O. Raiguel, Hotel Del Monte and C. J. Ryland, Monterey.
Bids will be asked about April 1st from a selected list of local contractors .

Planned.

FIRE HOUSE Cost, $20,000-$30,000
HANFORD, Kings Co., Calif.
New fire house to replace the present structure.
Owner—City of Hanford.
Architect—Not Given.

Carl Nelson, contractor, Hanford, made the survey of the present structure and declared it unsafe.

14— RESIDENCES

Plans Being Prepared.
RESIDENCES Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two two-story frame and stucco residences (one 5-room and one 7-room) Monterey-Colonial type.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contract Awarded.
REMODEL RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. 1528 Walnut Street.
Alterations to residence.
Owner—Mrs. Jane Andrew, 1528 Walnut St., Berkeley.
Architect—Not Given.
Contractor—Guy Tyler & Son, 1502 Cedar St., Berkeley.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $15,000
SAN ANSELMO, Marin Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 3 baths) modernistic type, composition roof, wood and stucco exterior, oil burner, warm air heating system, tile baths, etc.
Owner—Dr. Mary H. Lyman, Stanford University Hospital, S. F.
Architect—Hervey P. Clark, 210 Post St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.
Excavation—John Cusse, Palo Alto.
Heating — Pacific Heating Co., San Anselmo.
As previously reported, plumbing awarded to W. G. Goggins, San Rafael; electric to H. E. Petersen, Corte Madera; mill work to Pacific Mfg. Co., Santa Clara.

Sub-Contracts Awarded.
RESIDENCE Cost, $10,000
SAN JOSE, Santa Clara Co., Cal. No. 818 Bird Avenue.
Two-story and basement frame and stucco residence (9 rooms).
Owner—Mrs. Josephine Cribari, 970 Delmas Ave., San Jose.
Architect—Not Given.
Contractor—A. R. Calvelli, 855 Nevada Ave., San Jose.
Brick Work—Otto C. Olesin, 155 E-Empire St., San Jose.
Cement Work, Excavating and Grading—J. C. Bateman, 585 Hedding St., San Jose.
Plumbing—Wm. Ehlert, 956 The Alaber Work, 547 W-Santa Clara St., San Jose.
Plumbing—Wm. Ehlert, 956 The Alameda, San Jose.
Painting—G. H. Castle, 1011 FairView Ave., San Jose.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. No. 1474 Shasta Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Rollie Williams, 1496 Shasta Ave., San Jose.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. 801 Cragmont Avenue.
Two-story frame and stucco residence (9 rooms).
Owner—Mrs. Elida Erieksen, 2229 Vine St., Berkeley.
Architect—Not Given.
Contractor—C. A. Krauss, 3146 Lynde St., Oakland.

Plans Being Prepared.
RESIDENCES Cost, $1600-$2200
SAN CARLOS, San Mateo Co., Calif.
Five one-story frame residences (3- and 4-room)
Owner and Builders—Consolidated Development Co., 544 Market St., San Francisco.
Architect—Mario Corbett, 683 Sutter St., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $10,500
PALO ALTO, Santa Clara Co., Calif. 114 Edgewood Drive.
Two - story and basement frame and stucco residence.
Owner—C. W. Kemper, 125 Bryant St. Palo Alto.
Architect—Not Given.

Sub Bids Being Taken.
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell Street, Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 460 Spruce Street.
Three-story frame and stucco residence (8 rooms).
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Plans by Owner.

Plans Being Re-Figured.
RESIDENCE Cost, $4500
SAN FRANCISCO. Silver Terrace.
One-story frame and stucco residence (5 rooms and 2 baths) tile roof, wrought iron railing, gas heating system, hardwood floors and trim, tiled baths, etc.
Owner—M. Guglielmo, care architect.
Architect—Mario Corbett, 683 Sutter.
DeLucchi & Sons, 3275 San Bruno Ave., are figuring the plans.

Contract Awarded.
RESIDENCE Cost, $6,000.
ALAMEDA, Calif., 2947 Southwood Drive.
One-Story and basement frame and stucco residence (5 rooms).
Owner—W. E. McGuithy.
Architect—Not given.
Contractor — C. Hansen, 1500 Santa Clara Avenue, Alameda.

Plans Being Re-Figured.
RESIDENCE Cost, $——
SAN FRANCISCO. Mountain Spring Ave. W Twin Peaks Blvd.
Two-story and basement frame and brick veneer residence (7 rooms, 3 baths), tile roof, gas heating system, hardwood floors, tiled baths).
Owner—L. A. Bossana.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
Bids are being received from a selected list of contractors only.

Contract Awarded.
RESIDENCE Cost. $7000
SACRAMENTO, Sacramento Co., Cal. No. 1116 Third Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Mrs. Notelo Parino, 1214 7th St., Sacramento.
Architect—Not Given.
Contractor — A. Bruce Asbury, 1736 41st St., Sacramento.

Completing Plans.
RESIDENCE Cost, $9000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (8 rooms and 2 baths); shingle roof, gas heating system, steel sash, hardwood floors tiled baths, etc.
Owner—Withheld.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Bids will be asked within a few days

Contract Awarded.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement wood frame and shake exterior residence (9 rooms and 4 baths); shingle roof, gas heating system, tiled baths, hardwood floors, etc. (Colonial type).
Owner—Withheld.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Contractor—Harry Engman, 265 Washington St., Palo Alto.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story and basement frame, brick veneer, stucco residence (8 rooms and 3 baths) split shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Owner—Dr. S. B. Randall.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—C. M. Doane, 176 Garfield St., Santa Cruz.
Excavating and Concrete — Evans & Ross, Santa Cruz.
Brick Work—F. J. Sommers, 230 N. Branciforte Ave., aSnta Cruz.
Lumber and Mill Work—Santa Cruz Lumber Co., 84 River St., Santa Cruz.
Plumbing and Heating—Izant & Wilson, 30 Water St., Santa Cruz.
Painting—A. J. Petitdidier, 46 Riverside St., Santa Cruz.
Electric Work — I. W. Mack, 298 Cayuga St., Santa Cruz.
Plastering—Smith & O'Brien, 37 Hanover St., Santa Cruz.
Tile Work—Santa Cruz Tile Co., 254 Soquel Ave., Santa Cruz.
Metal Sash—Soule Steel Co., 1750 Army St., San Francisco.
Glazing—Santa Cruz Glass & Paint Co., 355 Pacific Ave., Santa Cruz.

Sub-Contracts Awarded.
RESIDENCE Cost, $6643
HAYWARD, Alameda Co., Cal.
Two-story frame and stucco residence (7 rooms) Monterey-Colonial type
Owner—Joseph Adreu.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—A. Holyoake, East Ave., Hayward.
Brickwork — Chas. D. Shearer, 1336 Addison St., Berkeley.
Sheet Metal—J. P. Peterson, Castro Valley Blvd., Hayward.
Hardwood Floors — Claude Johnson Floor Co., Rt. 1, Box 173C, Hayward.
Tile Roof—W. L. Saxby, 4538 Fleming St., Oakland.
Interior Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Ornamental Iron—Ashland Iron Works 16244 E-14th St., San Leandro.

To Ask Bids Within Few Days.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Stonewall Road.
Two - story and basement frame and stucco residence (9 rooms and 3 baths) shake roof, oil heating system, hardwood floors and trim, electric refrigeration.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Carolands.

Two-story and basement frame residence (10 rooms, 4 baths) rustic exterior, shake roof, gas heating system, hardwood floors, linoleum Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.
Contractor—Geo. Maurer, 50 York Dr., Oakland.

Plans Being Figured—Bids Close Mar. 8, 4 P. M.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence (7 rooms and 2 baths). French style.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 24 Buckeye Avenue.
One and one-half-story frame and stucco residence (5 rooms).
Owner—Agnes Burgess.
Architect—Not Given.
Contractor——H. L. Crocker Jr., 30 Wilding Lane, Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Chelton Drive, Piedmont Pines Tract.
Two-story frame and stucco residence (7 rooms and 3 baths) shake roof, gas hot air heating system, oak floors, tiled baths, etc.
Owner—L'Hommedieu, Inc., Henshaw Bldg., Oakland.
Architect — V. W. Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Sub-bids are being taken on painting, wiring, shake roof, heating, sheet metal, plumbing and brick work.

Plans Being Prepared.
RESIDENCE Cost, $5000
SAN FRANCISCO. North Point St., bet. Webster and Buchanan Sts
One-story and basement frame and stucco residence (5 rooms, 1 bath, 2 toilets, patio and social hall).
Owner—Dr. William Burfeind, 2489 Mission St., San Francisco.
Plans by Owner.
Construction will be started in the near future.

COMPLETING PLANS
PORTERVILLE, Tulare Co., Cal.—Architect Arthur L. Acker, 1345 S. Sycamore Ave., Los Angeles, is completing working drawings for a Colonial style residence to be erected in Porterville for Dr. Phillip S. Barber. It will be a two-story and basement structure, containing seven rooms, bath and shower; wood frame construction, redwood siding, royal shingle roof, wood sash, brick walks, steps and terraces, tiled bathroom, mahogany and O. P. trim, oak floors, fireplace, disappearing screens, combination solar and gas water heater, gas heat, double garage, etc. Bids will be taken next week from a selected list of contractors.

Contract Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Calif. 1746 Leimert Blvd.
Two - story and basement frame and stucco residence.
Owner—J. Capelini, 450 60th St., Oakland.
Architect—Not Given.
Contractor — Andrew Ghigliotti, 5509 Telegraph Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. Oakmore Road.
One- and two-story frame residence (6 rooms) French style, slate roof, gas heating system, etc.
Owner and Builder—Leo J. Dolan, 770 Wesley Ave., Oakland.
Plans by Owner.

15— SCHOOLS

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg., to prepare engineering plans for rehabilitating, reconstructing and strengthening the main building and auditorium at the Gulf Avenue school, 1196 Gulf Ave., Wilmington. Cost, $50,400.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer Francis N. Dlouhy, 9273 Cordell Drive, to prepare engineering plans for reconstructing, rehabilitating and strengthening the south building, north building and he west building at the Lorena Street School, 1015 S. Lorena St. Cost, $69,216.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer Ralph Marvin, 5533 Barton Ave., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building, less the third story, at the Ford Boulevard School, 1150 Ford Blvd. Cost, $26,656.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer Maurice Sasso, I. W. Hellman Bldg., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building at the Fishburn Avenue School, 5901 Fishburn Ave., Maywood. Cost, $38,080.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineers Grant & Bruner, Ltd., 607 Ferguson Bldg., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building at the Fifty-ninth St. School, 5925 Second Ave. Cost, $64,512.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer Ellis Wing Taylor, 803 W. Third St., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main brick building and the annex at the Santa Barbara Avenue School, 3990 S. Western Ave. Cost, $67,760.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer C. J. Derrick, 2021 Kennilworth Ave., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building, less third story, at the Thirty-seventh Street School, 3670 S. Raymond Ave. Cost, $49,392.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer, S. B. Barnes, 803 W. Third St., to prepare engineering plans for rehabilitating, reconstructing and strengthening the main building, less third story, at the Sixty-first Street School, 6050 S. Figueroa St. Cost, $58,240.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer David H. Merrill, 562 I. W. Hellman Bldg., to prepare engineering plans for reconstructing rehabilitating and strengthening the main building at the Ninety-seventh Street School site, 400 W. 97th St. Cost, $66,080.

BOND ELECTION.
COLTON, San Bernardino Co., Cal.—Colton Union High School District will hold an election March 30, at which time the voters will be asked to authorize the expenditure of surplus funds for the construction of a gymnasium on the high school site in Colton. Estimated cost of structure is $50,000. Edward Chas. Parke, Fuller Bldg., San Bernardino, is the architect.

Plans Awaiting Approval.
SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Broadway, bet. Powell and Mason Sts.
Repairs and reconstruction of school building (Jean Parker School).
Owner — City and County of San Francisco.
Architect and Engineer—W. P. Day, Financial Center Bldg., S. F.
Plans have been forwarded to Sacramento for approval.

BOND ELECTION
CARPINTERIA, Santa Barbara Co., Cal. — Carpinteria Grammar School District has called an election for March 14 at which time it is proposed to vote bonds in the sum of $10,000 with which to purchase a site and construct a new building at the Aliso School. The building will cost approximately $20,000. Civil Works Administration having approved the expenditure of about $15,000 on the project. The plans, which were prepared by Architect Keith Lockard, 117 E. De la Guerra, Santa Barbara, have been approved by the state architect.

Construction To Start March 1.
HOUSE OF STUDIES
Cost approximately, $80,000
OAKLAND, Alameda Co., Cal. Chabot Road and College Avenue.
Three - story and basement Class A house of studies.
Owner—College of Saint Albert - the Great (Dominician House of Studies) Steiner and Bush Streets, San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor — John Snyder, Petaluma and Oakland.

Commissioned To Prepare Sketches.
SCHOOL Cost, $25,000
BRISBANE, San Mateo Co., Calif.
Elementary school building.
Owner — Brisbane Elementary School District (Jos. Franzen, president).
Architect—Thomas Edwards, 525 Market St., San Francisco.
A bond election will be held at a later date to finance construction.

Completing Plans.
SCHOOL Cost, $15,000
HAYFORK, Trinity Co., Calif.
One-story wood frame grammar school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayford Union School Dist.
Architect—Jens Petersen, 826 26th St., Sacramento.
Bids will be asked shortly.

Project Postponed Temporarily.
IMPROVE SCHOOL Cost, $10,000
HAYWARD, Alameda Co., Calif.
Revamp girls' dressing room, etc., in Hayward High School (work involves adding 54 shower rooms, 90 dressing rooms, 720 12x12-in. box lockers and 180 12x12x48-in. street lockers).
Owner—Hayward Union High School District.
Architect—Henry Smith, Humboldt Bank Bldg., San Francisco.
Project will be held up until about June 1. Bids were to have been opened on March 7.

Preparing Preliminary Plans.
REPAIRS Cost, $——
PITTSBURG, Contra Costa Co., Cal.
Repair to school buildings.
Owner—Pittsburg School District.
Architect—Louis Stone, 354 Hobart St., Oakland.

Planned.
ADDITION Cost, $3135
MARTINEZ, Contra Costa Co., Cal.
One-story addition to school.
Owner—Ambrose School District.
Architect—Not Given.

Plans Being Prepared.
COMMUNITY HALL. Cost, $40,000
DUNSMUIR, Siskiyou Co., Cal. Florence and Sacramento Aves.
One-story steel frame and wood community hall)to house auditorium and gymnasium, 70x90 feet; stage, 64x24 feet; library, kindergarten, domestic science room, showers and dressing rooms, projection room, etc.)
Owner—Dunsmuir Elementary School District.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
An application has been filed with the Public Works Administration for a grant of $12,000. A bond election in the amount of $28,000 will be held at a later date.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer F. N. Ropp, 1014 Edison Bldg., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building at the One Hundred Eighteenth Street School, 144 E. 118th St. Cost. $89,040.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education approved preliminary architectural drawings for reconstructing, rehabilitating and strengthening the Wilmington Park School, 1140 Malabar Avenue, Wilmington, and has authorized Architect H. L. Gogerty, 116 Santa Fe Ave., Compton, to proceed with working drawings. Donald F. Shugart, 1770 N. Vermont Ave., structural engineer. Cost, $92,956.

PREPARING PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg., to prepare engineering plans for reconstructing, rehabilitating and strengthening building No. 1, less the third story and building No. 2, at the Virginia Road School, 2925 Virginia Road. Cost, $52,640.

BIDS WANTED
SAN FRANCISCO—Until March 20, 2 P. M., bids will be received by State Architect George B. McDougall, Public Works Bldg., Sacramento, for the erection of a new gymnasium building at Whittier State School, Whittier. The building will be a reinforced concrete structure.

Separate bids are being taken for structural steel work, lathing and plastering, sheet metal and roofing, glass and glazing, tile work, electrical work, heating and ventilating work, and plumbing work.
The plans and specifications may be obtained from the architect in Sacramento upon deposit of $25, checks to be made payable to the Department of Public Works, Division of Architecture. Cash, certified or cashier's check or a bid bond in the sum of at least 10% must accompany each bid.

BOND ELECTION PLANNED
BURBANK, Los Angeles Co., Cal.—Burbank City Council has instructed the city attorney to prepare an ordinance calling a special election on a proposed bond issue of $212,000 to be used for the purchase of the Edison school buildings and grounds for use as a civic center. Of the total, $200,000 would be turned over to the Board of Education for reconstructing Burbank schools to conform to the new state building code. Elementary schools scheduled for repairs are Joaquin Miller, Luther Burbank, Emerson, Edison, Lincoln, Washington, McKinley and Roosevelt. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

Plans Being Prepared.
SCHOOL Cost, $20,000
COTATI, Sonoma Co., Calif.
One - story frame and stucco school building (five classrooms) shingle roof, etc.
Owner—Cotati Junior High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., San Francisco.

BOND ELECTION.
DELANO, Kern Co., Calif.—An election will be held March 20 to vote bonds in the amount of $46,000 to finance construction of an auditorium at the Cecil Avenue grammar school. Edwin J. Symmes, Haberfelde Building, Bakersfield, architect.

Preliminary Plans Awaiting Approval
SCHOOL Cost, $110,000
MARIPOSA, Mariposa Co., Cal.
One and two-story reinforced concrete high school (five classrooms, auditorium to seat 300, bookkeeping room, science room, etc.); tile roof, steam heating system, etc.
Owner—Mariposa County High School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary plans for reconstructing, rehabilitating and strengthening the Bell High School plant at 4328 E. Bell Ave., Bell, prepared by Structural Engineer Oliver G. Bowen, 1144 S. Grand Ave., Los Angeles. Architectural plans are being prepared by Train & Cressey, architects, 226 Western Mutual Life Bldg., Los Angeles. Cost is estimated at $264,606. Structural engineer authorized to proceed with working drawings.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary plans for reconstructing, rehabilitating and strengthening the Wilmington Park Scsool, 1140 Mahar Ave., Wilmington, prepared by Structural Engineer Donald F. Shugart, 1770 N. Vermont Ave., Los Angeles. Architectural plans are being prepared by H. L. Gogerty, architect, 116 Santa Fe Ave., Compton. The structural engineer was authorized to proceed with working drawings. Cost, $92,956.

AWARD
VENTURA, Cal.—Contracting Engineers, 2310 W. Vernon Ave., Los Angeles, awarded contract by San Buenaventura School District, at $24,790 for structural alterations to Washington School in Ventura. Contract includes all work except painting, bids for which will be taken shortly. Harold E. Burket, 455 E. Main St., Ventura, architect.

ASK FEDERAL AID
BEVERLY HILLS, Cal. — Beverly Hills School District applied to Public Works Administration for loan of $127,000 to be used for financing the reconditioning of three existing school buildings on the Beverly Vista School site in Beverly Hills. Holmes & Narver, Stock Exchange Bldg., Los Angeles, structural engineers.

Preparing Preliminary Plans.
SCHOOL Cost, $40,000
CLOVERDALE, Sonoma Co., Calif.
One-story frame and stucco building (7 classrooms and gym) composition roof, steam heating system.
Owner—Cloverdale High School Dist.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
An election will be asked shortly to vote bonds to finance construction.

ASK FEDERAL AID.
COMPTON, Los Angeles Co., Calif.—Compton Union High School District has applied to the Public Works Administration for a grant of $29,240.51 to be used in financing reconstruction of the Compton junior high school, Olive and Poinsettia Streets. Marsh, Smith & Powell, Architects' Bldg., Los Angeles, architects.

ASK FEDERAL AID.
COMPTON, Los Angeles Co., Calif.—Compton Union High School District has applied to the Public Works Administration for a loan of $93,868.92 for financing repairs to Compton high school buildings at Acacia and Indigo Sts. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary engineering drawings for rehabilitation, strengthening and reconstruction of units 1 and 2 at the 66th St. school, 309 E 67th St., prepared by Structural Engineer S. B. Barnes, 803 W 3rd St. Architectural plans are being prepared by Gene Verge, architect, 802 Beaux Arts Bldg. The structural engineer was authorized to proceed with working drawings for unit No. 2; unit No. 1 to be held for further study. Costs were estimated as follows: Unit No. 1, $40,500; Unit No. 2, $32,892.

BIDS WANTED.
WHITTIER, Los Angeles Co., Cal.—Until 2 P. M., March 20, bids will be received by State Architect George B. McDougall, Public Works Bldg., Sacramento, for the erection of a new gymnasium building at Whittier State School, Whittier. The building will be a reinforced concrete structure. The plans and specifications may be obtained from the architect in Sacramento upon deposit of $25, checks to be made payable to the Department of Public Works, Division of Architecture. Cash, certified or cashier's check or a bid bond in the sum of at least 10% must accompany each bid.

PLANS COMPLETED
INGLEWOOD, Los Angeles Co., Cal.—Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, have

completed working drawings for the reconstruction and strengthening of the fine arts building at the Inglewood high school. Application has been made by the Inglewood board of education for C. W. A funds to finance the project. The work will consist of removing four inches of face brick on the exterior walls and replacing them with four inches of gunite, interior steel trusses, plastering interior walls and ceilings, refinishing of floors, new steam heating system, etc. Cost is estimated at $45,000. Plans have also been completed and application made for C. W. A. funds for bleachers and shower and locker building to be constructed on the site.

Final Plans Awaiting Approval.
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome Streets.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Final plans have been forwarded to Sacramento for approval.

Preliminary Plans Completed.
REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert St. bet. Jones and Taylor Streets.
Repairs and re-construction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Final plans have been forwarded to Sacramento for approval.

Preparing Working Drawings.
RECONSTRUCT SCHOOL $46,000
SAN FRANCISCO. Seventh Avenue .... bet. Irving and Judah Sts.
Reconstruction of Laguna Honda School
Owner — City and County of San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.

Project Abandoned
COLLEGE BLDG. Cost, $60,000
SAN JOSE, Santa Clara Co., Calif. Campus of The San Jose State Teachers' College.
Two-story and basement fireproof student union building (co-op store, soda fountain, check rooms, store rooms, offices, lounging room, etc.)
Owner — San Jose state Teachers' College, San Jose. (T. W. MacQuarrie, President).
Architect—Not Given.

Plans Being Completed.
SCHOOL REPAIRS Cost, $28,000
SAN FRANCISCO. Golden Gate Ave. Bet. Scott and Pierce Sts.
Repairs and reconstruction of school building.
Owner—City and County of San Francisco.
Engineer—A. P. Fisher, 111 Sutter St. San Francisco.
Plans will be forwarded to Sacramento for approval in about ten days.

COMMISSIONED TO PREPARE PLANS
SAN DIEGO, Calif.—Architect Wm. P. Lodge, California Bank Bldg., San Diego, has been commissioned by the San Diego board of education to prepare plans for a six-classroom unit to be built at the Ocean Beach school. Alternate types of construction, including wood frame, steel frame and reinforced concrete, will be considered. An auditorium may be included in the buildnig.

BONDS VOTED
BEVERLY HILLS, Los Angeles Co., Cal. — Beverly Hills School District affirmed a $250,000 bond issue on Feb. 23, proceeds to be used for strengthening ten grammar school buildings in Beverly Hills.

PLANNED.
SAN GABRIEL, Los Angeles Co., Calif.—Architects Marsh, Smith & Powell, 506 Architects' Bldg., Los Angeles, have submitted two tentative programs to the San Gabriel board of education for rehabilitating and strengthening school buildings in San Gabriel. Cost of the work proposed is estimated at between $106,500 and $130,000. A bond issue is proposed for the near future.

BONDS VOTED.
NORWALK, Los Angeles Co., Calif. The Norwalk School District affirmed a $65,000 bond issue February 16 to provide funds for the erection of an auditorium building at the grammar school site. The building will be of Class B construction and will have a seating capacity of 800. Plans are being prepared by Architects T. C. Kistner and Co., 814 Architects' Bldg., Los Angeles.

Preliminary Plans Completed.
REPAIR SCHOOL Cost, $43,000
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.
Preliminary plans have been forwarded to Sacramento for approval.

ASK FEDERAL AID
TEMPE, Ariz.—Tempe Union High School District has applied to the Public Works Administration for a loan of $37,000 for financing the construction of a new gymnasium building at the Tempe High School.

BOND ELECTION
EL MONTE, Los Angeles Co., Cal.—El Monte Union High School District will hold an election March 30 at which time several proposed school safety measures will be submitted to the voters. One proposal contemplates strengthening the shop and science buildings and replacing the other buildings with temporary wooden structures. Joseph Weston, 22 Science Bldg., El Monte Higb School, architect.

Commissioned To Prepare Plans.
COMMUNITY HALL Cost, $40,000
DUNSMUIR, Siskiyou County, Calif. Florence and Sacramento Aves.
Community hall (to house gymnasium, to seat 900, kindergarten, domestic science room, cafeteria, banquet room, shower and dressing room, projection room, etc.)
Owner—Dunsmuir Elementary School District.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
An application has been filed with the Public Works Administration for a grant of $12,000. A bond election in the amount of $28,000 will be held at a later date.

Preparing Preliminary Plans.
SHOP AND GYM Cost, $32,000
HILMAR, San Joaquin Co., Calif.
One-story frame and stucco gymnasium and shop building.
Owner—Ripon Junior - Senior High School District.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
An election will be held shortly to vote bonds in the amount of $32,000 to finance construction.

PLANNED.
SALINAS, Monterey Co., Cal.—Authority to expend $41,000 in surplus funds for repairs and new equipment has been granted the Salinas Union High School District by the State Board of Equalization. The school board plans to purchase four new school busses to replace obsolete equipment; improve the water system, repair buildings.

BONDS VOTED.
HOQUIAM, Wash.—Hoquiam Junior High School District voted bonds in the amount of $55,000 to assist in financing the construction of a junior high school in Hoquiam. Earl W. Morrison, Textile Tower Bldg., Seattle, architect. An equal amount is expected from the PWA.

Excavation Contract Awarded.
ADDITION Cont. Price, $27,740
AVENAL, Kings Co., Calif.
Brick addition to elementary school building (3 classrooms, basement with cafeteria & lunch room, etc.)
Owner—Reef - Sunset School Dist. (C. B. Kimberlin, clerk).
Architect—Ernest J. Kump, Rowell Bldg., Reno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
Excavation—M. E. Wightman, Avenal.
Sub-bids are being taken on other portions of the work.

PREPARING PLANS
LOS ANGELES, Cal. — Architect Parker O. Wright, 910 Black Bldg., and Engineer David H. Merrill, 580 I. W. Hellman Bldg., are preparing working drawings for reconstructing, rehabilitating and strengthening the Figueroa Street School, 11,115 S. Figueroa St., for the Los Angeles Board of Education. Work will consist of removing brick walls and rebuilding of reinforced concrete; the auditorium will be steel frame, metal studs and gunite walls, etc. Appropriation, $93,-713.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural drawings for reconstructing, rehabilitating and strengthening the Torrance Elementary School, 220th and Martina Sts., Torrance, and has authorized Architect Samuel E. Lunden, 400 Rowan Bldg., Los Angeles, to proceed with working drawings. R. Mc. Beanfield, Chamber of Commerce Bldg., is the structural engineer. Cost, $74,241.

COMMISSIONED TO PREPARE PLANS
RIVERSIDE, Cal. — Architect G. Stanley Wilson, Mission Inn, Riverside, has been authorized by Riverside Board of Education to complete plans and prepare specifications for school building on site of old Grant School, 14th and Walnut Sts., Riverside. Two plans are under consideration, one for the main building of seven classrooms including a kindergarten, and the other for main building with an auditorium. The Board is also considering three different types of construction, one of concrete, estimated to cost $52,706; another of wood on a concrete slab, estimated to cost $47,-636, and the third a wood frame building, estimated to cost $45,000. All of these figures, tentatively presented by the architect, represent the cost of the building complete with auditorium, and including the use of materials salvaged from the old building. It will be several weeks before the plans are ready for bids.

PRELIMINARY PLANS APPROVED
LONG BEACH, Los Angeles Co., Ca.l—Long Beach Board of Education

has approved preliminary plans for repairing the Frances E. Willard elementary school, located at the corner of tenth and Freeman Sts., Long Beach. Plans were prepared by Francis H. Gentry, engineer, and Chas. L. Haynes, architect, 521 Jergins Trust Bldg. The auditorium and practical arts building will be of steel frame construction, steel studs, metal lath and plaster, maple floors, composition roofing, gas radiators, etc. $150,000 appropriated.

PRELIMINARY PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved preliminary plans and has authorized the preparation of working drawings for the following schools:

Burnett auditorium building, David E. Herrald, architect, 732 Pine Ave., Long Beach.

Starr King elementary school, Wm. Kenneth Webb, architect, 1235 E. 10th St., Long Beach.

TO PREPARE PLANS

LOS ANGELES, Los Angeles Co., Cal.—Los Angeles Board of Education has commissioned Structural Engineers Holmes & Narver, 639 S. Spring St., to prepare preliminary engineering plans for rehabilitating, reconstructing and strengthening the main building, annex and building No. 3 at the Machester Avenue School site, 661 W. 87th St. Cost. $133,560.

16—BANKS, STORES AND OFFICES

Contract Awarded.
DAIRY Cost, $8000
SAN JOSE, Santa Clara Co., Calif. 38 Race Street.
One - story reinforced concrete and steel building for dairy (43x142-ft.) Summerbell trusses, 10-year guaranteed roof, etc.
Owner—Walter A. Mooers, 18th and Julian Sts., San Jose.
Architect—Chas. McKenzie Twohy Bldg., San Jose.
Contractor—Whiteside Bros., 71 South 19th St., San Jose.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 152 S First Street.
Alterations to store building.
Owner—Moss Glove Company.
Architect—Not Given.
Contractor — L. C. Dunn, Monadnock Bldg., San Francisco.

Tile Contract Awarded.
STORES & OFFICES Cost, $35,000
SAN FRANCISCO. Stockton St. and Card Alley.
Two-story reinforced concrete office and store building (tar and gravel roof, steam heating system, concrete and wood floors).
Owner—S. Giannoni, % A. Cavall, 255 Columbus Ave., San Francisco.
Architect — Wm. Mooser, Monadnock Bldg., San Francisco.
Supt. of Constr.—Louie Spargo.
Contractor—Vannucci Bros. Const. Co. 1875 San Bruno Ave., S. F.
Tile—Progressive Tile Co., 1216 Powell St., San Francisco.
Contracts on linoleum and rubber flooring will be awarded shortly.

Contract Awarded.
OFFICE Cost, $6000
SAN FRANCISCO. E Newhall St. S Carroll St.
One-story and basement frame and stucco office building.
Owner—General Brewing Corp., 369 Pine St., San Francisco.
Architect—Fred H. Meyer, 525 Market St., San Francisco.
Contractor — Cahill Bros., Inc., 296 Sansome St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $2500
FRESNO, Fresno Co., Calif. 1222-26 Broadway.
Alterations to store fronts, etc.
Owner—John P. Phillips.
Architect—Swartz & Ryland, Brix Bldg., Fresno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
Following bids received:

Trewhitt-Shields Co.	$2500
Wm. Hopkins	2525
W. T. Harris	2548
Roy Martin	2580
Lo Forti & Heffner	2735
Jolly & Harrington	2737
T. C. Irwin	2887

All of Fresno.

Plans Being Figured.
OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. 374 W Santa Clara Street.
Two - story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, president) 372 W Santa Clara Ct., San Jose.
Architect—Binder and Curtis, 35 West Santa Clara St., San Jose.
About two weeks will be allowed for figuring the plans.

Contract Awarded.
ALTERATIONS Cost, $1000
SAN FRANCISCO. SE Geary St. and 22nd Ave.
Alterations to market.
Owner—E. Grazzini, premises.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission Street.

BIDS WANTED.

BEVERLY HILLS, Los Angeles Co., Calif.—Architect Clifford A. Balch, 1914 S. Vermont Ave., Los Angeles, is taking new bids for a store and market building to be built at the southeast corner of Wilshire Blvd. and La Cienga Blvd., Beverly Hills, for the Mary Pickford Co. The building will cover an area of 150x120 feet and will be of reinforced concrete construction; composition roofing, wood roof trusses, skylights, electric refrigeratin, cement floors, toilets, plate glass, wire glass, etc.

ASK FEDERAL AID

PHOENIX, Ariz.—State of Arizona has applied to Public Works Administration for a loan of $310,000 for financing the construction of an addition to the Arizona State Capitol building in Phoenix. The proposed addition will be a four-story structure. Installation of a cooling system throughout the entire structure is planned. Wallingford & Bell, Heard Bldg., Phoenix, architects.

Contract Awarded.
REMODEL BLDG. Cost, $5618
FRESNO, Fresno Co., Cal. NE Broadway and Fresno Sts.
Remodel present building.
Owner—Porteous Estate.
Architect—Chas. E. Butner, 51 Maple St., Salinas.
Contractor — Trewhitt Shields Co., Fresno.

Cornice Contract Awarded.
ALTER OFFICES Cost, $4000
SAN FRANCISCO. No. 2 Pine St.
Alterations to offices.
Owner—J. D. and A. E. Spreckels Securities Co., Premises.
Architect—George Kehlam, 315 Montgomery St., San Francisco.
Cornice—Forderer Cornice Works, 269 Potrero Ave., San Francisco.

Contract Awarded.
STORE Cost, $12,000
FRESNO, Fresno Co., Cal. NE First and Tulare Sts.
One-story frame, stucco and brick store building (85 ft. frontage).
Owner — Mrs. Maria B. Pimentel, Fresno.
Plans by Fisher & McNulty, Mattei Bldg., Fresno.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Sub-Contracts Awarded.
STORE Cost, $7895
SAN FRANCISCO. Chestnut St. near Pierce St.
One-story reinforced concrete store building (30x110 feet).
Owner—C. O. Ovozzini.
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Contractor—DeLuca & Son, Inc., 1745 Filbert St., San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Plumbing—Geo. Rehn, 1919 Mission St., San Francisco.
Plastering — Marconi Plastering Co., 1737 Beach St., San Francisco.
Iron — National Ornamental Iron & Bronze Co., Inc., 434 Ninth St., San Francisco.
Roofing—Fisher & Houts, 557 Market St., San Francisco.

Additional Sub-Contracts Awarded.
STORE Cost, $——
SAN JOSE, Santa Clara Co., Cal. No. 160-164 S-First Street.
One-story and basement fireproof store building (51x275 feet); concrete and steel construction.
Owner — Montgomery Ward & Co., Oakland.
Plans by Engineering Dept. of Owner.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Reinforcing Steel — San Jose Steel Placing Co., 13th and Berryessa Road, San Jose.
Miscellaneous and Ornamental Iron—Michel & Pfeffer, Tenth and Harrison Sts., San Francisco.
Maple Flooring—Royal Floor Co., 600 7th St., San Francisco.
Mill Work—Pacific Mfg. Co., Santa Clara.
Glass — Cobbledick-Kibbe Glass Co., Washington St. at Third, Oakland
Lath and Plaster—F. V. Plummer, 325 N-18th St., San Jose.
Asphalt and Rubber Tile—D. A. Pancoast Co., 26 O'Farrell St., S. F.
Roofing—Fred Hayden, 369 Stockton Ave., San Jose.

Additional Sub-Contracts Awarded.
STORE Cost, $50,000
EUREKA, Humboldt Co., Cal. Fourth and F Streets.
One-story, mezzanine floor and basement reinforced concrete store building (24,500 sq. ft. floor space).
Owner—Domingo A. Zanone.
Plans by Engineering Dept. of Lessee, Chicago.
Lessee—Montgomery Ward & Co., Chicago.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Piling — W. S. Selvage, 1305 L St., Eureka.
Concrete Material—Mercer-Fraser Co., 2nd and Commercial Sts., Eureka.
Reinforcing Steel — W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.
Roofing—J. W. Bender Roofing & Pav- Co., 1999 Bryant St., San Francisco.
Ornamental and Miscellaneous Iron—Michel & Pfeffer, Tenth and Harrison Sts., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Maple Floors—Royal Floor Co., 600 7th St., San Francisco.

AWARD.
LOS ANGELES, Calif.—Wm. Simpson Co., builder, 816 W 5th St., has applied for building permit to erect a 2-story and basement, 14-room Class A reinforced concrete medical library building at 634 S Westlake Ave. for Los Angeles County Medical Association, owner, 1925 Wilshire Blvd.
Gordon B. Kaufmann, architect, 610 Union Bank Bldg.; Murray Erick, engineer, 811 W 7th St.; 50x100 ft., composition covered reinforced concrete slab roof, skylights, metal roof vents, cast stone trim, plate glass, cement waterproofing materials, reinforced concrete, cast stone, linoleum and tile floors, hollow tile partitions, reinforced concrete stairways, tile and marble toilets, heating and ventilating system, metal book stacks and shelving, electric dumbwaiter, wrought iron rails, gas-steam radiators, automatic storage water heater, metal-clad doors Thermax partitions. Cost, $50,000.

Sub-Contracts Awarded.
ALTER STORE Cost, $3000
SAN FRANCISCO. SE Post St. and Grant Avenue.
Alterations to store building.
Owner—H. Liebes & Co., Post St. and Grant Avenue.
Engineer—W. Adrian, 417 Market St.
Contractor—L. & E. Emanuel, Inc., 2665 Jones Street.
Brick Work, Underpinning, Shoring, Etc.—D. J. & T. Sullivan, 1942 Folsom Street.
Steel—Western Iron Works, 141 Beale.
Electric Wiring—Noble A. Wright, 290 Tehama Street.
Painting—Gurnette and Chandler, 51 Beaver Street.
Glass and Mirrors—Crowe Glass Co., 675 Golden Gate Ave.
Marble—Joseph Musto Sons Keenan Co., 535 North Point St. •

Sub-Contracts Awarded.
OFFICE Cost, $6000
SAN FRANCISCO. E Newhall St. S Carroll St.
One-story and basement frame and stucco office building.
Owner — General Brewing Corp., 369 Pine St., San Francisco.
Architect—Fred H. Meyer, 525 Market St., San Francisco.
Contractor — Cahill Bros., Inc., 206 Sansome St., San Francisco.
Lumber—J. H. McCallum, 748 Bryant St., San Francisco.
Millwork—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Sts., San Francisco.
Plaster—Peter Bradley, 639 Brannan St., San Francisco.
Electric—Alta Electric & Mechanical Co., Inc., 467 O'Farrell St., San Francisco.
Plumbing—J. A. Nelson, Inc., 10th and Howard Sts., San Francisco.
Heating—Atlas Heating & Ventilating Co., Ltd., 557 4th St., San Francisco.

Planned.
ALTERATIONS Cost, $——
FELTON, Santa Cruz Co., Cal.
Alterations to store building (painting, decorating, installation of electric refrigerator, etc.)
Owner—Roy Pagnini, Felton.
Architect—Not Given.

To Ask Bids.
REMODEL STORE Cost, $200,000
SEATTLE, Wash. Fifth Avenue and Pine Street.
Remodel department store (rebuilding first and second floors, new floors, walls, fixtures, display cases, partition work, electrical work, etc.)
Owner—Frederick and Nelson, Fifth Ave. and Pine St., Seattle.
Plans by Engr. Dept. of Owner (R. J. Chapin, Building Supt.)
Bids will be asked in about 1 month.

Contract Awarded.
REMODEL BLDG. Cost, $——
SAN MATEO, San Mateo Co., Cal. 87 Third Avenue.
Reconstruct ground floor of office bldg.
Owner—Pacific Gas & Electric Co., 87 Third Ave., San Mateo.
Architect—Not Given.
Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.

Sub-Bids Wanted.
STORE Cost, $5000
SAN FRANCISCO. W Third St. 100 S Sixteenth Street.
One - story frame and stucco store building.
Owner—Steve Aimo, 1072 Gilman St.
Engineer—James McFarland, 710 47th Avenue.
Contractor—Jas. McFarland, 710 47th Avenue.
Concrete Work — Paramount Concrete Co., 375 Wheeler Street.
Lumber—J. H. McCallum, 748 Bryant. Sub-bids are being taken on roofing, millwork, painting, glass, plumbing and hardwood flooring.

Contract Awarded.
BAKERY Cont. Price, $19,300
SAN FRANCISCO. NE Powell and Francisco Streets.
One-story concrete bakery.
Owner—Venetian Bakery.
Architect—T. Ronneberg, Crocker Building.
Contractor—MacDonald & Kahn, Financial Center Bldg., Oakland.

BIDS WANTED.
SAN FRANCISCO.—Until March 14, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for alterations in offices of the Board of Supervisors, City Hall. Estimated cost, $2500. Bond, $625.

BIDS WANTED.
SAN FRANCISCO.—Until March 7, 1:45 P. M., new bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for acoustical treatment of the meeting room of the Board of Education. Work involves acoustical tile to be acoustic - celotex cane fibre tile, type triple B-1, 1.2-in. thick, 12x12-in. Sanecoustic tile. On previous bid opening lowest bid was submitted by McCormick Supply Co., 461 Market St., at $350. •

Glazing Contract Awarded
AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Calif. 405 W Santa Clara Street.
One-story reinforced concrete automobile building (107x20 feet) concrete floors. Summerbell truss roof, etc.
Owner—Louis O. Normandin.
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.
Glazing—Le Deit Glass Co., 762 Lenzen Ave., San Jose.
Other awards previously reported.

Planned.
ADDITION Cost, $15,000
FRESNO, Fresno Co., Cal. No. 1260 Van Ness Avenue.
Alterations and additions to automobile building (50x125 ft.) new glass front, etc.
Owner—Lindley & Harrison Auto Parts Co., 1310 Van Ness Ave., Fresno.
Architect—Not Given.

17— THEATRES

February 24, 1934

Contract Awarded.
ALTER THEATRE Cost, $18,000
ROSEVILLE, Placer Co., Cal.
Alterations and additions to theatre.
Owner—J. B. Lima, Livermore, and John Peters, Oakland.
Architect—Not Given.
Contractor—Wilke & Tropper, Roseville.

Structural Steel Contract Awarded.
THEATRE Cost, $30,000
GRASS VALLEY, Nevada Co., Calif. West Main Street.
One-story steel frame theatre building (steel girders, marque) to seat 508.
Owner—Montez Theatre Company.
Architect—Wm. Mooser, Monadnock Bldg., San Francisco.
Mgr. of Const.—E. T. Leiter & Son, 811 37th St., Oakland.
Structural Steel—Herrick Iron Works 18th & Campbell Sts., Oakland.
Sub bids are being taken on other portions of the work.

Planned.
THEATRE Cost, $——
REDDING, Shasta Co., Cal. Market St., between Placer and Sacramento Streets.
Construct new theatre building.
Owner — T. & D. Theatre Enteprises (M. Naify, President), 25 Taylor St., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
ALTERATIONS Cost, $——
CHICO, Butte Co., Cal.
Alterations to Senator Theatre (work includes painting, carpeting, decorating, new marquee, etc.)
Owner—T. & D. Theatre Enterprises, 25 Taylor St., San Francisco (N Naify, Manager).
Architect—Not Given.

Electrical Contract Awarded.
ALTER THEATRE Cost, $18,000
ROSEVILLE, Placer Co., Cal.
Alterations and additions to theatre (Neon lights, metal ceiling, partitions, tile walls and floors, fish pond, carpets, drinking fountain, seats, ornamental iron railing, light fixtures, motor generator, redecoration, etc.)
Owner—J. B. Lima, Livermore and John Peters, Oakland.
Architect—Not Given.
Contractor—Wilke & Tropper, Roseville.
Electric—(Except Neon lights), Kohl and W. L. Harjes, Roseville.
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19—MISC. CONSTRUCTION

To Be Done by Day's Labor.
SWIMMING POOL Cost, $12,000
SONORA, Tuolumne Co., Cal. Simpsin Terrace.
Swimming pool and bath house.
Owner—City of Sonora.
Architect—Fred Reimers, 233 Post St., San Francisco.
The site will cost approximately $2,000 and $6300 of CWA funds will be used. As previously reported contract for the circulating system awarded to Scott Machinery Co., 960 Folsom St., San Francisco, at $5400. •

PLANNED
ALHAMBRA, Los Angeles Co., Cal. —The Alhambra City Commissioners have under consideration a proposal to apply for CWA funds to build an enclosed all-year plunge at Seventh and Shorb Sts., Alhambra.

PLANNED
MERCED, Cal.—Plans have been prepared by H. A. Bowman, Street Supt., Merced, for improvements to property in Bear Creek Park. Proposed work involves the construction of a municipal swimming pool, sections of new lawn, sidewalks, sprinkler system, etc. Plans will be filed with CWA for approval.

Contract Awarded.
ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Cal.
Holly Cross Cemetery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 x 80 feet. 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Excavation is now under way.

Planned.
ALTERATIONS Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif.
Alterations and additions to casino plunge (modernize, paint, asphatum coat, new filter system, etc.)
Owner—Santa Cruz Seaside Co., Casino, Santa Cruz.
Architect—Not Given.

COMPLETING PLANS.
LOS ANGELES, Cal.—Architect P. R. Williams, 3839 Wilshire Blvd., is completing working plans for a funeral home to be built at the corner of Jefferson St. and Austin for the Angelus Funeral Home. Frame construction, cement gun exterior, tile and composition roofing, hardwood floors, hardwood and pine trim, automatic storage water heater, gas heating, tile work, etc. Cost, $20,000. Bids will be taken in about ten days.

LOW BIDDERS
PEARL HARBOR, T. H. — C. C. Moore & Co., 450 Mission St., San Francisco, at $40,100 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of steel frame building with asbestos covered metal roofing and siding and concrete foundation; steam generating plant consistig of two 150-hp. cross-drum, water-tube boilers, brick settings and complete oil and water heating and pumping equipment, piping and electrical work; steel stack, and oil storage tank at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7438.
Frederick W. Snook Co., 596 Clay St., San Francisco, submitted second low bid at $41,000. Complete bids will be published shortly.

BIDS OPENED.
HAMILTON FIELD, Marin Co., Cal. Following bids received bly the Post Quartermaster, Hamilton Field, for furnishing metal covers for underground garbage receptacles:
(1) 75 steel covers for can 19-in. in diameter;
(2) 75 aluminum alloy covers for do;
(3) 55 combination underground garbage receptacles, 14½x23-in.;
(4) 55 underground garbage receptacles, 24 gal. capacity, concrete covers;
(5) 55 do, 32-gal. capacity, do.
Dwan & Co., San Francisco (1) $7.50 each (2) $13.46 each; (3) $14.55 each; (4) $15.60 each; (5) $17.70 each.
Vincent Whitney Co., (3) $7.48 each.
Forni Mfg. Co., (2) $7.20 each; (4) $12.50 each; (5) $16.00 each.
Bids held under advisement.

BIDS OPENED.
HAMILTON FIELD, Marin Co., Cal. —Lalance & Gosjean Mfg. Co., 100 E 42nd St., New York City, at $498 submitted only bid to Constructing Quartermaster, Hamilton Field, for furnishing 200 mess trays at Hamilton Field. Bid referred to Washington for award.

BIDS WANTED
SAN DIEGO, Cal.—Until March 8, 11 A. M., bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for landing float at Naval Operating Base (Supply Depot), San Diego. Specifications No. 7625. Work involves provisions of materials for and the construction of one timber float approximately 32 feet wide and 50 feet long; delivery of float to Government Navy Pier, Supply Depot, Foot of Broadway. Government will provide mooring and place the float. Plans and specifications available from above office upon deposit of $10.

CONTRACT AWARDED
SAN DIEGO, Cal.—Miller Boiler Shop, San Diego, at $546.50 awarded contract by the Public Works Officer, 11th Naval District, San Diego, for repairs to locomotive crane boiler, at the Naval Operating Base (Fuel Depot), San Diego, under Specifications No. 7611. The work consists of (a) the removal of approximately 28-in. of the lower portion of the fire box inner plate and outer boiler and including all connected trimmings and (b) the replacement of the removed plates with new ⅜-in. steel plate and the re-attachment of removed trimmings in their present relative position.

LUMBER CONTRACT AWARDED.
ARCADIA, Los Angeles Co., Cal.—Lindgren & Swinerton, Pacific Mutual Bldg., Los Angeles, general contractors for the horse racing plant to be erected in Arcadia for the Los Angeles Turf Club, report they have closed a contract with the E. K. Wood Lumber Co., 4701 Santa Fe Ave., Los Angeles, for furnishing 2,000,000 feet of lumber to be used in the construction of the plant. The order covers the entire lumber requirements for the project. Construction will be under way shortly after March 1, with completion scheduled for December 15. The plant will include a grandstand with seating capacity of 10,000; stables with accommodations for 1200 horses, clubhouse, secretary's building, paddock and judges' stand. The grandstand will be a concrete and steel structure and the stables of semi-fireproof construction. All other buildings will be wood frame structures. Other improvements will include landscaping, a large automobile parking area and fences enclosing the entire site and the track. The improvements will cost approximately $500,000. G. B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect.

BIDS WANTED.
NORTH SACRAMENTO, Cal.—Until March 9, 8 P. M., bids will be received by James F. Purcell, Grant Union High School District, for furnishing materials as follows for the construction of a swimming pool, 150x 50 feet at the high school grounds:
Lumber, sand, gravel, cement, reinforcing steel and miscellaneous hardware.
Estimated cost, $23,000. Specifications obtainable from the Business Manager, Grant Union High School, North Sacramento. Work will be done by day's labor under the CWA.
(3846) * 19

CONTRACT AWARDED.
CORCORAN, Kings Co., Calif. — Shulman Conroy Painting Company, 609 Frederick Street, San Francisco, at $350,00 awarded contract by City Council for painting interior of city water tank.

CONTRACT AWARDED
BERKELEY, Alameda Co., Cal.—A. Cederborg, 1455 Excelsior Blvd., Oakland, at $6299 awarded contract by Regents of the University of California for the construction of an experimental house "E" at the Poultry Research Station, University of California, Berkeley. Work involves construction of 8 units. Complete bids published January 27.

BIDS WANTED
ALAMEDA, Cal.—Until March 20, 8 P. M., bids will be received by the Alameda City Council for the construction of two tennis courts in Franklin Park, Alameda, involving:
(1) 480 ft. redwood header boards in place;
(2) 170 tons crusher run base;
(3) 175 tons asphalt concrete base;
(4) 90 tons asphalt concrete top.

BIDS OPENED
SAN FRANCISCO—J. Harold Johnson, 639 Brannan St., at $1459 submitted low bid to Park Commissioners for the construction of a convenience station in Portsmouth Square on Kearny St., between Clay and Jackson Street. Following bids received:

J. Harold Johnson	$1459
Charles Koenig	1508
Clinton-Stephenson Constr. Co.	1524
M. E. Vukicevich	1583
R. A. McLean	1599
Ernest Icardi	1653
Monson Bros.	1666
Anderson & Ringrose	1800
Frank J. Reilly	1931
R. S. Silverberg	1964
Board of Park Commissioners	2015

Bids held under advisement.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
SEATTLE, Wash.—Northwest Steel Rolling Mills, Inc., 4315 Ninth St., NW, Seattle, at $2475 awarded contract by the Board of Public Works, for furnishing 93,378 lbs. Drift Bolts to be used in construction of the Railroad Avenue Project.
W. A. Gaines, Purchasing Agent.

BIDS OPENED.
LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S Broadway, for furnishing 2,000,000 lock nuts:
Joslyn Co., for American Standard lock nuts, carload lot, $4.37 per M., less than carload lot, $4.70 per M., MacLean-Fowe lock nuts, carload lots $4.95 per M., less than carload, $5.35 net.
Maydwell & Hartzell, $14.20 per M.; terms, 1% 10 days.
Palnut Co., $5.74 per M., $5.61 per M. f.o.b. factory; terms 1% 10 days.

BIDS OPENED.
WAPATO, Wash. — The following received by the U. S. Indian Irrigation Service, Wapato, for furnishing 258,000 lbs. interlocking steel sheet piling, f.o.b. Parker, Wash.:
Columbia Steel Co., San Francisco, $3.20 cwt. rail shipment and $2.80 rail and water, ½%.
Inland Steel Co., Chicago, $2.85 rail and water, ½%.
Pacific Coast Steel Corp., Seattle, $3.20 rail and $2.80 rail and water, ½%.
Hyman-Michaels Co., Seattle, $49 ton rail and $42.50 water, used piling.

AWARD.
CASA GRANDE, Ariz.—Henry Cowell Lime & Cement Co., Cowell, Cal., at $1.504 per barrel awarded contract by H. W. Camp, Supt. of Warehouses for Indian Supplies, Department of the Interior, for furnishing one minimum carload Portland cement for the Pima Indian Agency, Casa Grande, Arizona. Cash discount of 10c per barrel for payment within 15 days from date of shipment was offered.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

SAN JOAQUIN COUNTY

LODI, San Joaquin Co., Cal.—Until March 12 bids will be received by the Board of Trustees of Lodi Union High School District of San Joaquin County, R. J. Stuck, clerk, Lodi, for furnishing school bus, as follows:

Model B-4, two-ton International chassis, equipped with seven tires, 8:25x20, Bessler booster brake, ready for delivery to body builders. Body to be Model No. 92-220 P. & G., capacity 48 seats, space 28 inches back to back.

Specifications obtainable from above office.

U. S POST OFFICE DEPT.

CONCORD, Contra Costa Co., Cal.—Until March 7, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the Post Office at Concord. Proposal No. 1099.

MENLO PARK, San Mateo Co., Cal.—Until March 7, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the Post Office at Menlo Park. Proposal No. 1102.

MENLO PARK, San Mateo Co., Cal.—Until March 8, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for one group of steel shelving for the Post Office at Menlo Park. Proposal No. 1104.

CONCORD, Contra Costa Co., Cal.—Until March 7, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for one group of steel shelving for the Post Office at Concord. Proposal No. 1101.

CONCORD, Contra Costa Co., Cal.—Until March 7, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for six section lock boxes for the Post Office at Concord. Proposal No. 1100.

MENLO PARK, San Mateo Co., Cal.—Until March 7, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for seven section lock boxes for the Menlo Park Post Office. Proposal No. 1103.

NAVY DEPARTMENT

WASHINGTON, D. C.—Until March 13, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington D. C., for furnishing one electrically operated lettering machine, San Diego, Sched. 1840.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and materials as follows:

100,000 lbs. Batavia damar gum; Sch. 900-7343, Mare Island, March 8.
19,600 galv. steel deck and general purpose buckets, Sch. 1795, Mare Island and Puget Sound, March 6.
40 searchlight mirrors, Sch. 1816, Mare Island, March 9.
Bunker Fuel Oil, B grade as required during the period April 1 to June 30, West Coast, Sch. 1818, March 9
106 sets drawing instruments; Sch. 1815, Mare Island and Puget Sound, March 13.
6000,000 lbs. titanium pigment, Sch. 1814, Mare Island, March 13.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until March 12, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 805, for furnishing 300 dozen brush hooks; each tool to be stamped "FS," with hickory handles. Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

March 5, 2 P. M.: Bid 807: one 300-lb. blacksmith anvil; 5x21-in. face; solid piece steel.

March 6, 2 P. M.: Bid 808: 1500 electric headlights, complete except batteries, 3-cell type.

Specifications obtainable from above office.

PUBLIC ROADS BUREAU

SAN FRANCISCO—Until March 8, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for hauling a government owned 35-hp. tractor from the Maintenance Camp, 6 miles northwest of Canby (on the road to Perez) to McCloud, Calif.

CANAL ZONE

PANAMA CANAL ZONE—Bids to be opened March 5, by the Panama Canal for miscellaneous supply items (as previously reported) erroneously stated that Schedule number is 516; the correct number is 2943.

ALBANY CITY

ALBANY, Alameda Co., Cal.—Until March 5, 8:30 P. M., bids will be received by H. W. Brewer, City Clerk, for office furniture including:

Three Pedestal Typewriter Desks; three Revolving Side Chairs; one Table; one Sectional Book Case; one Book Truck; one Flat Top Desk; one Judge's Chair, Revolving Arm; five Councilmen's Desks;

Specifications may be seen in the office of the City Clerk, 1009 Solano Ave., Albany.

six Arm Chairs; one Table, for Press; one Side Chair for Press.

20—MISC. SUPPLIES AND MATERIALS

COMPLETE BID LISTING.

NOGALES, Ariz.—As previously reported, Calaveras Cement Co., 315 Montgomery Street, San Francisco, at $71,254.56 awarded contract by the International Boundary Commission, El Paso, Texas, for furnishing 24,000 barrels of cement for use in the construction of the Nogales conduit, Nogales Flood Control Project.

Complete bids follow:

Henry Cowell Lime & Cement Co., 2 Market St., San Francisco, f.o.b. cars shipping point, unit price, $1,708; amount, $40,992; shipping point, Cowell, Calif., f.o.b. Nogales unit price, $3.38; amount, $81,120. Allowance for sacks returned, 10c each, contractor will pay charges on sacks returned. Freight rates, shipping point to Nogales, commercial rates, 100 lbs., 44c; government rate, 100 lbs., $0.33562; rate per 380-lb. barrel by government bill of lading, $1.275356. Unit cost to government, per bbl. (cement and freight) $2.98356; total cost to government, 24,000 bbls. (cement and freight) $71,600.54.

Southwestern Portland Cement Co., 727 W 7th St., Los Angeles, f.o.b. cars shipping point, unit price, $2.20; amount, $53,280; shipping point, El Paso, Texas or Victorville, Calif., f. o. b. Nogales, unit price, $3.38; amount $81,120. Allowance for sacks returned 10c each. Contractor will pay charges on sacks returned. Freight rates, shipping point to Nogales, commercial rate, 100 lbs., El Paso, $0.305; government rate, 100 lbs., El Paso, $0.305; rate per 380-lb. barrel by government bill of lading, El Paso, $1.159; commercial rate, 100 lbs., Victorville, $0.35; government rate, 100 lbs., Victorville. $0.2916; rate per 380-lb. barrell by government bill of lading, Victorville, $1.10808. Unit cost to government per bbl. (cement and freight) El Paso, $13,379; Victorville, $3.32808. Total cost to government, 24,000 bbls. (cement and freight) El Paso, $81,096; Victorville, $79,873.92.

Riverside Cement Co., 621 S Hope St., Los Angeles, f.o.b. cars shipping point, $2.145; amount, $51,480; shipping point, Crestmore, Calif., f.o.b. Nogales, unit price, $3.38; amount, $81,120. Allowance for sacks returned. for which contractor will pay charges, 10c each. Freight rates, shipping point to Nogales, commercial rate, 100 lbs., $0.325; government rate, 100 lbs. $0.26651; rate per 380-lb. barrel by government bill of lading, $1.012736. Unit cost to government per barrel (cement and freight), $3.157738. Total cost to government, 24,000 barrels (cement and freight), $75,785.71.

Calaveras Cement Co., 315 Montgomery St., San Francisco, f.o.b. cars shipping point, unit price, $1.71; amount, $41,040; shipping point, Kentucky House, Calif., f.o.b. Nogales, unit price, $3.38; amount, $81,120. Allowance for sacks returned, on which the contractor will pay the charges, 10c each. Freight rate, shipping point to Nogales, commercial rate, 100 lbs., $0.44; government rate 100 lbs., $0.-3313; rate per 380-lb. barrel by government bill of lading, $1.25894. Unit cost to government per barrel (cement and freight) $2.96894. Total cost to government, 24,000 barrels (cement and freight) $71,254.56.

Blue Diamond Corp., Ltd., 1650 So. Alameda St., Los Angeles, f.o.b. cars shipping point, unit price, $2.50; amount, $60,000; shipping point, Los Angeles, f.o.b. Nogales, unit price, $3.38; amount, $81,120. Allowance for sacks returned on which the contractor will pay the chrages, 10c each. Freight rate, shipping point to Nogales, commercial rate, 100 lbs. $0.325; government rate, 100 lbs., $0.225602; rate per 380-lb. barrel by govenment bill of lading, $0.8572876. Unit cost to government per barrel (cement and freight) $3.3572876. Total cost to government, 24,000 barrels (cement and freight) $80,574.90.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD RECOMMENDED.

WALLOWA COUNTY, Ore.—J. F. Johnston, Newberg, Ore., at $17,678 recommended for award by the Bureau Public Roads, Portland, for construction of three bridges on the Enterprise Imnaha highway over Imnaha river, Camp and Butte creeks, Project NR - 39 - A1, National Forest Project, located within or adjacent to Wallowa National Forest, Wallowa Co. The three bridges consist of varying spans as follows: Imnaha river, one 76-ft. I-beam span with two 20-ft. and one 13-ft. framed trestle spans; Camp creek one 70-ft. and two 12-ft. 6-in. I-beam spans, and Butte creek, one 50-ft. I-beam span.

Complete bids follow:

J. F. Johnston, Newberg	$17,678
Colonial Bldg., Co., Spokane	19,823
Kuckenberg-Wittman Co., Portland	24,376

BIDS WANTED.

JUNEAU, Alaska.—Until March 14, bids will be received by the U. S. Bureau of Public Roads, Ike P. Taylor, chief engineer, 419 Federal and Territorial Bldg., Juneau, for constructing four reinforced concrete piers for the Douglas bridge, consisting of piers 1 and 2, on the Juneau shore at the foot of 10th St., and piers 3 and 4 on the Douglas shore.

The two main piers, 2 and 3, have a base area 16x40 ft., and a minimum height of 54 ft. above the concrete base. Nested piling, fir or hemlock, form the foundation for the piers. The main piers will be supported on 60 piles each and the wing piers on 18 piles each. The piling will be driven to a penetration of 50 feet below the bottom of the concrete, and will support a cantilever span 615 ft. in length. At each end of this span will be a steel and concrete wing 302 ft. long, giving an over-all length of 1,120 ft. and each end will have a concrete viaduct approach 241 ft. long.

Plans and specifications obtainable from the above office and at the General Purchasing Office in Seattle.

Plans for the steel span are now being prepared and bids will be asked for shortly.

BIDS WANTED

SPOKANE, Wash.—Until March 8, 10 A. M., bids will be received by the Bureau of Reclamation, Spokane, Wash., for construction of two concrete piers for the Grand Coulee bridge below the Grand Coulee damsite on the Columbia River, Columbia Basin Project, Washington. The work is located about twenty miles northwest of Almira, Wash., involving:

(1) 140 lin. ft. depth excav. for two piers;
(2) 8230 cu. yds. of oncrete;
(3) Placing 57,000 lbs. reinf. bars;
(4) Placing 13,000 lbs. pier nose angles

Specifications obtainable from the office of the Bureau of Reclamation at Almira, Wash., or Denver, Colo. Spec. No. 610-D. No charge to prospective bidders; to others $1, not returnable.

S. O. Harper, Acting Chief Engineer.

AWARD

SANTA BARBARA COUNTY, Cal.—J. J. Munneman Co., 1306 Laguna St., Santa Barbara, at $84,411 awarded contract by the State Highway Commission, Sacramento, for the construction of two bridges, 27 and 28 miles north of Santa Barbara; one across Santa Ynez River consisting of 11 65-ft. reinforced concrete girder spans and 2 25-ft. end cantilevers on concrete piers with pile foundation; the other across Santa Aqueda Creek consisting of 2 44-ft. reinforced concrete girder spans and 2 20-ft. end cantilevers on concrete bents.

BIDS WANTED

SONOMA COUNTY, Cal.—Until March 13, at 1:30 P. M., the Sonoma County Board of Supervisors, Santa Rosa, will receive bids for the construction of a new bridge, to replace an existing span across Dry Creek, near the City of Healdsburg, involving:

(1) 400 cu. yds. strucs. excav.;
(2) 1920 lin. ft. fir piling;
(3) 575 cu. yds. Class A concrete;
(4) 14 cu. yds. tremie concrete;
(5) 60,000 lbs. reinf. steel;
(6) 300,000 lbs. struc. steel;
(7) 9400 lbs. rockers, castings and pins;
(8) 750 cu. yds. roadway excavation.

The contractor will be required to give preference in all employment to residents of Sonoma County.

Plans on file at the office of the County Clerk, Santa Rosa, and obtainable from E. A. Peugh, County Engineer.

CONTRACT AWARDED.

ARIZONA STATE—Orr & Lashmet, P. O. Box 177, Bisbee, at $20,738.25 awarded contract by Arizona State Highway Commission, Phoenix, for constructing Benson - Douglas Project NRH 79-C. The work, which is located at Government Draw about 9½ miles south of the town of Tombstone, consists of the construction of a concrete and steel girder bridge on steel piles with earthwork approaches and is to be completed on or before June 15.

BIDS WANTED.

ALAMEDA COUNTY, Calif.—Until March 14, 2 P. M., bids will be received at the office of the State Highway Engineer, Public Works Bldg., Sacramento, for the construction of a double reinforced concrete subway with reinforced concrete ramps and wing walls, installing drainage system and pumping equipment at Emeryville, at the Paraffine Companies' Plant, East Bay approach to the San Francisco - Oakland Bay Bridge, involving:

(1) 410 cu. yds. excavation;
(2) 2,800 cu. yds. select backfill;
(3) 1,575 lin. ft. furnishing untreated Douglas fir piles;
(4) 2,885 lin. ft. furnish treated do;
(5) 130 each drive piles;
(6) 717 cu. yds. Class A Port. cement concrete structures;
(7) 61,700 lbs. bar reinf. steel, struc.;
(8) 6,700 sq. ft. membrane waterproofing;
(9) 3,350 sq. ft. dampproofing;
(10) 1 only drain pipe;
(11) 1 lot pumping equipment, complete;
(12) 1 lot misc. items of work.

Plans and specifications obtainable at the above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco and at the office of the San Francisco-Oakland Bay Bridge Commission.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until March 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for construction of eight structures on N Street, in the City of Los Angeles, consisting of one reinforced concrete pedestrian subway; two reinforced concrete pipe line culverts; one reinforced concrete vehicular subway; two reinforced concrete retaining walls; one reinforced concrete pipe line subway and one creosoted Douglas Fir timber bridge of seven 19-ft. spans on creosoted Douglas fir pile bents, involving:

(1) 2400 cu. yds. struc. excav.;
(2) 14,000 lin. ft. furnish creosoted Douglas fir piles incl. test piles;
(3) 388 each driving creosoted Douglas fir piles incl. test piles;
(4) 117 cu. yds. Class A Port. cem. conc. deck slab;
(5) 1775 cu. yds. Class Port. cem. conc. struc.;
(6) 32 cu. yds. Class B Portland cement concrete;
(7) 35 cu. yds. Class E Portland cement concrete;
(8) 270,000 lbs. bar reinf. steel;
(9) 74 M.F.B.M. creosoted Douglas fir timber;
(10) 6 M.F.B.M. untreat. Douglas fir timber;
(11) 135 tons asphalt conc. Type A surface;
(12) 1 lot drainage equipment;
(13) 1 lot lighting equipment;
(14) 1 lot pipe handrail;
(15) 1 lot miscellaneous items of work.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

February 28, 1934

CONTRACT AWARDED.

ARIZONA STATE—All-Arizona Engineering & Const. Co., Clifton, Arizona, at $6735.38 awarded contract by the Arizona State Highway Commission, Phoenix, for bridge construction on the Safford-State Line Highway, NRH 88-C (AFE 1803). The work, which is located about 1½ mi. southeast of the town of Duncan, consists of the construction of one timber bridge and is to be completed on or before May 31.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED.

LOS ANGELES COUNTY, Cal.—Until March 12, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou (District VII) Dist. Engineer, 808 California State Office Bldg., Los Angeles, for constructing timber pile current deflectors at the downstream ends of five bridge piers, and channel to be cleared of obstructions at the San Gabriel river bridge near Whittier (VIII-L.A.-2-d) involving:

(1) 4,160 lin. ft. furnish redwood timber piles;
(2) 130 redwood timber piles driven in place;
(3) 24.0 MFBM select all-heart struc. redwood timber in place;
(4) 1 lot channel obstructions removed and disposed of.

Plans and specifications obtainable at above office. C. H. Purcell, State Highway Engineer.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED.

PORTLAND, Ore.—Until March 2, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, for constructing about 600 ft. of approach tramway; 2,500 ft. of pile and timber dikes of various types of construction, with trackage and about 400 ft. of pile and timber groins, located on the east end of Sand Island, Columbia river, about 10 miles below Astoria, Oregon, involving:

(1) 68,000 lin. ft. piles;
(2) 154 MFBM lumber, except ties;
(3) 37 MFBM ties;
(4) 14,000 lbs. hardware, black;
(5) 200 lbs. wire rope, galvanized;
(6) 50 tons 2000 lbs. rails, 40-lb. steel No. 1 relay, including angle bars and bolts;
(7) 3 sets, complete, frogs and switch stands.

Plans and specifications obtainable from above office.

23— IRRIGATION PROJ.

BIDS WANTED.

CASPER, Wyo.—As previously reported, until March 7, 10 A. M., bids will be received by the Bureau of Reclamation, Casper, for constructing earthwork, tunnels and structures on Casper Canal, Station 0 to Station 190, Casper-Alcova PWA Proj.; Spec. No. 564, involving:

SCHEDULE NO. 1

Canal headworks structure and Tunnel No. 1, Casper Canal, Station 0 to Station 32 plus 00:

(1) 4,000 cu. yds. excavation in open cut, Class 1;
(2) 3,000 cu. yds. do, Class 2;
(3) 13,000 cu. yds. do, Class 3;
(4) 1,400 cu. yds. backfill;
(5) 450 cu. yds. puddling or tamping backfill;
(6) 23,200 cu. yds. excav., of tunnel, all classes;
(7) 94 MFBM furnish and erect permanent timbering in tunnel;
(8) 210,000 lbs. furnish and install steel tunnel liner plates;
(9) 1,100 lin. ft. construct 6-in. dia. tunnel drain;
(10) 1,200 lin. ft. 8-in. do;
(11) 500 lin. ft. 10-in. do;
(12) 150 lin. ft. lay 10-in. dia. drain pipe with cemented joints;
(13) 475 cu. yds. concrete in portal structures and transitions;
(14) 5,500 cu. yds. concrete in tunnel lining;
(15) 100,000 lbs. placing reinf. bars;
(16) 500 lin. ft. drilling grout holes not more than 10 ft. deep;
(17) 300 lbs. placing grout pipe and connections;
(18) 1,000 cu. ft. pressure grouting;
(19) 1,000 sq. yds. dry rock paving;
(20) 14,500 lbs. install gate, gate hoist and operating mechanism;
(21) 600 lbs. install metal railing;

SCHEDULE NO. 2

Earthwork and structures, Casper Canal, Station 32 plus 00 to Station 101 plus 50 (Tunnel No. 2) and Station 149 plus 35 (Tunnel No. 2) to Station 190 plus 00:

(22) 225,000 cu. yds. excav. for canal, Class 1;
(23) 75,000 cu. yds. do, Class 2;
(24) 25,000 cu. yds. do, Class 3;
(25) 40,000 cu. yds. excav. for core banks;
(26) 10,000 sta. cu. yds. overhaul;
(27) 300 cu. yds. excav. for structures, Class 1;
(28) 100 cu. yds. do, Class 2;
(29) 500 cu. yds. do, Class 3;
(30) 10,000 cu. yds. excav. for drainage channels and dikes, Class 1;
(31) 500 cu. yds. do, Class 2;
(32) 100 cu. yds. do, Class 3;
(33) 3,000 cu. yds. backfill;
(34) 600 cu. yds. puddling or tamping backfill;
(35) 1,900 cu. yds. concrete in struc.;
(36) 267,000 lbs. placing reinf. bars;
(37) 430 sq. yds. dry rock paving;
(38) 6,000 lbs. installing blow-off valves and connections;
(39) 6,500 lbs. install metal railing;

SCHEDULE NO. 3

Tunnel No. 2, Casper Canal, Station 101 plus 50 to Station 149 plus 35:

(40) 6,000 cu. yds. excavation in open cut, Class 1;
(41) 6,000 cu. yds. do, Class 2;
(42) 9,000 cu. yds. do, Class 3;
(43) 600 cu. yds. backfill;
(44) 500 cu. yds. puddling or tamping backfill;
(45) 35,500 cu. yds. excav. for tunnel, all classes;
(46) 138 MFBM furnish and erect permanent timber in tunnel;
(47) 70,000 lbs. furnish and install steel tunnel liner plates;
(48) 1,800 lin. ft. construct 6-in. dia. tunnel drain;
(49) 1,900 lin. ft. 8-in. do;
(50) 709 lin. ft. 10-in. do;
(51) 150 lin. ft. lay 10-in. dia. drain pipe with cemented joints;
(52) 480 cu. yds. concrete in portal struc. and transitions;
(53) 8,400 cu. yds. concrete in tunnel lining;
(54) 46,000 lbs. place reinf. bars;
(55) 200 lin. ft. drill grout holes not more than 10 ft. deep;
(56) 100 lbs. place grout pipe and connections;
(57) 400 cu. ft. pressure grouting;
(58) 200 sq. yds. dry rock paving.

No charge for specifications and plans to prospective bidders; to others $1.00, not returnable. Plans and specifications obtainable from the above office. R. F. Walter, chief engineer.

25—MACHINERY AND EQUIPMENT

BIDS OPENED.

SAN FRANCISCO.—The following submitted high bids to T. A. Brooks, Purchaser of Supplies, 270 City Hall, San Francisco, for the purchase of used equipment under Sale No. 93:

(1) one Type N-2 used cement gun, with used Ingersoll-Rand A-C air motor.

(2) one 14-in. LeBlond lathe, Series C4742, with used 2-hp. motor, Livermore.

C. H. Caldwell, Santa Ana, (1) cement gun, $782.50 (only bidder.

R. A. Hansen, Livermore, (2) $100.

C. F. Bulotti, San Francisco, submitted only other bid on lathe at $85.

Equipment sold to high bidders.

CONTRACT AWARDED.

WASHOE COUNTY, Nevada.—J. D. Adams Co., 230 Utah St., San Francisco, at $1,005.50 awarded contract by Board of County Commissioners, E. H. Beemer, clerk, Court House, Reno, for furnishing one road maintainer with scarifier attached and with swinging rear blade.

Complete bids follow:

Contractors Machinery Exch., 1135 57th St., Oakland, $400.00.

Contractors Machinery Exch., $650.

Spears Wells Machinery Co., 1832 W 9th St., Oakland, $650.00.

Austin Western Road Machinery Co. 400 Michigan Ave., Chicago, $895.00.

J. D. Adams Co., 230 Utah St., San Francisco, $1005.50.

Jenison Machinery Co., 20th and Tennessee Sts., San Francisco, $3,-515.25; alternate, $3143.25.

COMPLETE BIDS.

BOULDER CANYON, Nev.—Following bids received by the Bureau of Reclamation, Denver, under Specification No| 562, for furnishing:

(1) 12 96-in. diameter paradox emergency gates, with hoists, motors, limit switches, etc.;
(2) 12 84-in. dia. internal differential needle valves with paradox controls, air appurtenances and with bodies and nozzles of cast steel;
(3) 12 84-in. diameter internal differential needle valves, same as the above, except with bodies and nozzles of welded steel.

Complete bids follow:

Allis Chalmers Mfg. Co., Milwaukee, (1) $267,890; (2) $323,500.

John W. Beam, Chicago, (2) $360,000.

Babcock & Wilcox Co., Barberton, (1) $335,872; (2) $277,976; (1 & 2) $613-848.00.

Westinghouse Electric & Mfg. Co., Pittsburg, (1) $379,538 (2) $372,000 (1 & 2) $746,256.

Nordberg Mfg. Co., Milwaukee, (1) $277,328 (2) $294,238 (1 & 2) $565,000.

American Locomotive Co., Dunkirk. (1) $262,854 (2) $313,231 (1 & 2) $575,-934.00.

Lake Erie Engr. Corp., Buffalo, (1) $316,710 (2) $300,000.

Hooven Owens & Rentschler, Hamilton, O., (1) $259,685 (2) $286,547.

Baldwin Southwark Corp., Eddystone, Pa., (1) $264,400 (2) $282,000.

Thomas Spacing Maching Co., Pittsburg, (1) $291,943.

Consolidated Steel Corp., Los Angeles, (2) $335,000 (3) $325,000.

Steacy-Schmidt Mfg. Co., York, Pa., (1) $237,100 (2) $273,000.

Newport News S. B. & D. D. Co., Newport News, Va., (1) $338,525 (2) $351,670 (1 & 2) $688,720.

Hardie-Tynes Mfg. Co. Birmingham, Ala., (1) $228,850 (2) $273,000 (3) $278,-000 (1 & 2) $500,000 (1 & 3) $506,000.

Pelton Water Wheel Co., San Francisco, (2) $357,492.

BIDS OPENED

WASHINGTON, D. C.—The following bids received by the Department of Agriculture, Division of Purchase, Sales & Traffic, Washington, D. C., for furnishing Trailbuilder Attachments, under Proposal No. 5927, opened Feb. 16:

Item 1, 5 f.o.b. works; 1a, 1 f.o.b. Silver City, N. M.; 1b, 1 f.o.b. Alamogordo, N. M.; 1c, 1 f.o.b. Safford, Ariz; 1d, 1 f.o.b. Williams, Arizona; 1e, 1 f.o.b. Globe, Arizona; 2, 4 f.o.b. works 2a, 1 f.o.b. Santa Fe, N. M.; 2b, 1 f.o.b. Flagstaff, Arizona; 2c, 1 f.o.b. Tucson, Ariz.; 2d, 1 f.o.b. Safford, Arizona; 3, 1f.o.b. works; 3a, 1f.o.b. Bartlett, N. H.

La Plant-Choate Mfg. Co., Cedar Rapids, Iowa, Item 2a, $1502; 2b, $1431 2c, $1417; 2d, $1440; 2%.

Morrow & Co., Albuquerque, N. M., Item 1, $1237.50 and $1305 each; 1a, $1398.93 and $1495.77; 1b, $1366.20 and $1457.10; 2, $1269 and $1453.50 each; 2a, 1421.10 and $1626.66; 3%.

Knapp Mfg. Co., Oakland, Calif., Item 1, $1200; 1a, $1295; 1b, $1295; 1c,

$1275; 1d, $1265; 1e, $1275; 2, 1360; 2a, 1480; 2b, $1435; 2c, $1430; 2d, $1440; 5%.

Boiler Pipe & Tank Co., Oakland, Item 1, 1087.50; 1a, $1183.10; 1b, $1,184.70; 1c $1163.50; 1d, $1154.70; 1e, $1163.50; 2, $1312.50; 2a, $1472.70; 2b, $1415.70; 2c, $1413.30; 2d, $1426.50; 5%.

Master Equipment Co., Los Angeles, Item 2, 1360; 2a, $1502; 2b, $1431; 2c, $1417; 2d, $1441; 3, $1250; 2%.

Isaacson Iron Works, Seattle, Wash., Item 1, $1025; 1a to 1e, $1135; 2, $1450; 2a to 2d, $1570; 3, $2000; 3a, $2440; 2%

Clark-Wilcox Co., Boston, Mass., Item 3, $1725; 3a, $1846.

MacWoolridge Mfg. Co., Los Angeles, Item 1, $1025; 1a, $1111; 1b, $1113; 1c, $1075; 1d, $1072; 1e, $1075; 2, $1270; 2a, $1426; 2b, $1347; 2c, $1338; 2d, $1350; 3, $1640; 3a, $1930; 1%.

28—FIRE EQUIPMENT

February 24, 1934

PLANNED

MADERA, Madera Co., Cal.—A proposal for issuing bonds to finance purchase of an additional fire truck probably will be submitted to voters at the regular municipal election April 9. The city council has under consideration an offer of the American-La France Corporation to sell a repossessed truck for $7800, which with additional hose would bring the total cost to $9000.

BIDS WANTED.

CONTRA COSTA COUNTY, Calif.—Until March 13, 8 P. M., bids will be received by Johnson Thomas, clerk, Board of Commissioners of Central Fire District, Contra Costa County, Central Fire District House, Walnut Creek, for furnishing a fire engine, in accordance with the specifications now on file at the above office.

30—RESERVOIRS & DAMS

BIDS TO BE ASKED.

SAN DIEGO, Cal.—Bids will be called by the San Diego city council, probably at the meeting March 5, for the construction of an extension to the El Capitan dam spillway. Alternate bids may be called, one using NIRA specifications, specifying the 30-hour week, the other under San Diego city specifications, using an 8-hour day. The work will cost between $150,000 and $200,000. Application for funds has been made to the Federal Government. The work will involve:

(1) 200,000 cu. yds. excavation;
(2) 8,000 cu. yds. concrete;
(3) 450,000 lbs. reinf. steel.

H. N. Savage, city hydraulic engineer.

31—PIPE LINES & WELLS

CONTRACT AWARDED.

ONTARIO, Ore.—Morrison - Knudsen Co., Boise, Idaho, at $162,518.50 awarded contract on Schedules I and III by the Bureau of Reclamation, Ontario, for the construction of the Owyhee river and Snivley siphons and concrete bench flume, North Canal, Mitchell Butte Division, Owyhee Project, Oregon-Idaho; Spec. No. 559.

BIDS WANTED

YUBA CITY, Sutter Co., Cal.—Until March 15, 7:30 P. M., bids will be received by the Yuba City Council, Beatrice Johnson, Clerk, 659 Plumas St., Yuba City, for drilling and casing a 16-inch well in accordance with the specifications on file at the above office.

BIDS WANTED

COLTON, San Bernardino Co., Cal.—Until March 7, 7:30 P. M., bids will be received by the Colton City Council, for drilling and casing Well No. 7 and Well No. 8 of the new municipal water system, in accordance with specifications, which may be obtained from the Currie Engineering Co., 219 Andreson Bldg., San Bernardino.

The bids opened February 5 were rejected.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS REJECTED.

RIVERSIDE, Riverside Co., Calif.—All bids received by the Riverside City Council for furnishing sewer pipe February 20 were rejected. The city has decided to change the type of construction, using culverts of poured concrete. Form lumber and other materials will be purchased in the open market. J. R. Elliott, city engineer.

CONTRACT AWARDED.

LAGUNA BEACH, Cal.—J. C. Hickey, 320 S Palm Ave., Alhambra, at $161,806 awarded contract by Laguna Beach city council for constructing an activated sludge sewage treatment plant and lateral sewer system. Work will start about February 26.

Complete bids published February 13. Currie Engr Co., 219 Andreson Block, San Bernardino, consulting engineers.

The b'ds were opened February 9. F. E. Trask, State Engineer, PWA, Los Angeles.

AWARD RECOMMENDED

ONTARIO, San Bernardino Co., Cal.—The Ontario City Council recommended to the Public Works Administration the award be made to one of the three following bidders:

James Noon, Baldwin Park, $65,793.
H. A. Toget, Ontario, $68,850.
F. J. Moran, Ontario, $74,438.50.

For construction of the sewage disposal plant and outfall sewer system.

Currie Engineering Co., 219 Andreson Block, San Bernardino, Engineers.

33—WATERWORKS

CONTRACT AWARDED

LOS ANGELES, Cal.—R. H. Travers 620 S. St. Andrews Place, Los Angeles, at $23,000 awarded contract by the Los Angeles Board of Public Works, for completion of the Terminal Way Pumping Plant.

BIDS WANTED.

YUBA CITY, Sutter Co., Cal.—Until March 15, 7:30 P. M., bids will be received by the Yuba City city council, Beatrice Johnson, clerk, 659 Plumas St., Yuba City, for furnishing and installing a vertical deepwell turbine pump, together with an electric motor in accordance with specifications on file at the above office. Included in said bid must be a purchase bid for the purchase and removal of one 75-h.p. motor and two 6-in. pumps, located at the city water works plant.

FRANCHISE GRANTED

ARVIN, Kern Co., Cal.—R. L. Stockton, operating as the Arvin Gas Company, was the only bidder for a franchise from the Kern County Board of Supervisors, February 19, for the privilege of installing a supply pipeline and necessary distributing system to provide natural gas for domestic purposes in the Town of Arvin and vicinity. The gas will be obtained from the Mountain View Oilfield. Estimated cost is $50,000.

BIDS WANTED

ONTARIO, San Bernardino Co., Cal.—Until March 5, 7:30 P. M., bids will be received by Austin Burt, City Engineer, Ontario, for repair and replacement of deep well pumping equipment at No. 3 well.

Specifications on file at the office of the City Engineer.

BIDS WANTED

COLTON, San Bernardino Co., Cal.—Until March 7, 7:30 P. M., bids will be received by the Colton City Council, for furnishing pumping equipment in accordance with specifications which may be obtained from the Currie Engineering Co., 219 Andreson Block, San Bernardino. The equipment is to be used in construction of water supply system and pump station improvements under the recent Federal Public Works allotment of $93,000 to the City of Colton. The bids opened February 5 were rejected.

34—PARKS AND PLAYGROUNDS

BIDS WANTED.

Roseburg, Oregon—Until March 20, 2:30 p. m., bids will be received by Veterans Administration, Room 764, Arlington Building, Washigton, D. C., for landscape planting at the Veterans Administration Facility, Roseburg, Oregon. Separate bids will be taken for tree planting and shrubbery planting. Specifications may be obtained from above office.

29—STREETS AND HIGHWAYS

BIDS OPENED

PEND OREILLE COUNTY, Wash.—Triangle Constr. Co., 1220 Ide St., Spokane, Wash., at $19,614 submitted low bid to L. V. Murrow, State Director of Highways, Olympia, Feb. 20, for resurfacing 7.7 miles of State Road No. 6, Ione to Metaline Falls, Project No. 4707, in Pend Oreille County. Other bids were: F. R. Hewitt, Spokane, $19,781; and D. A. Sullivan & Co., and Matern Bros., Spokane, $20,058. Bids held under advisement until February 27.

BIDS OPENED

LOS ANGELES, Cal.—Los Angeles Paving Co., 712 Lankershim Bldg., Los Angeles, at $45,018.16 submitted low bid to Los Angeles Board of Public Works for improving Sepulevda Blvd., from Pico Blvd. to National Blvd., under Cash Contract. Unit ntems follow:

(1) Grading (4374 cu. yds. excav., 1631 cu. yds. backfill);
(2) 159,430 sq. ft. 8-in. compressed concrete;
(3) 96 sq. ft. 8-in. Class E concrete (local depressions);
(4) 5834 sq. ft. 4-in. rock and oil roadway;
(5) 73,358 sq. ft. 2-in. rock and oil roadway;
(6) 49 sq. ft. 5-in. concrete gutter;
(7) 54 lin. ft. unplastered light curb;
(8) Storm drain and appurtenances complete, not including local depressions;

Complete bids follow:

Los Angeles Paving Co., Los Angeles, $45,018.16.
George R. Curtis Paving Co., Los Angeles, $45,855.21.
Arthur E. Pearson, Los Angeles, $45,889.16.
Southern California Roads Co., Los Angeles, $46,022.36.
Oswald Bros., Los Angeles, $48,594.38.
George Bock & Son, Los Angeles, $48,594.68.
Creightin, Inc., Los Angeles, $49,857.51.
J. L. McClain, Los Angeles, $49,961.25.
O'Neal & Son, Los Angeles, $50,511.14.
Griffith Co., Los Angeles, $53,289.06.
Engineer's Estimate, $46,912.03.

CONTRACT AWARDED

SKAMANIA AND KLICKITAT COUNTIES, Wash.—Smith Bros., Yakima, Wash., at $24,832 awarded con-

tract by L. V. Murrow, State Director of Highways, Olympia, for constructing 44,965 lin. ft. of cable guardrail on State Road No. 8, Cape Hort to Satus Pass, Project No. 4615. The other bids were: Collins Concrete Pipe Co., Portland, $25459, and John Otteson Co., Inc., Seattle, $25,972.

CONTRACT AWARDED

OAKLAND, Cal.—Leo J. Immel, 1032 Evelyn St., Berkeley, at $13,543.68 (Proposal B) awarded contract by Oakland City Council for repairing 23rd Avenue, between Railroad and 29th Aves. W. W. Chappell, City Clerk.

BIDS WANTED

LOS ANGELES, Cal.—Until March 7, 10 A. M., bids will be received by the Los Angeles Board of Public Works, for improving Sixty-fifth St., from Main St. to Broadway, under Cash Contract, involving:

(1) Grading (lump sum);
(2) 50,961 sq. yds. concrete pavement;
(3) 565 sq. yds. asphalt pavement;
(4) 35 sq. yds. Class C resurfacing;
(5) 1467 lin. ft. unplastered light curb
(6) 37 sq. ft. 4-in. concrete sidewalks
(7) 6587 sq. ft. 3-in. concrete sidewalk;
(8) Sewer and appurtenances complete;
(9) 480 lin. ft. house connection sewers;
(10) Storm drain and appurtenances complete, not including resurf.;
(11) 2 manholes reset.

BIDS WANTED.

WASHINGTON STATE.—Until Mar. 13, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, as follows:

Chelan County

Grading and surfacing with crushed stone about 1.2 miles of State Road No. 15 in the city of Leavenworth, U. S. Public Works Project No. NRM-190-B, in Chelan County, involving:

(1) 1 acre clearing;
(2) 8,410 cu. yds. excavation;
(3). 5,300 cu. yds. crushed stone surf.;
(4) 1,645 lin. ft. cable guard rail, Design No. 6;
(5) 321 lin. ft. of pipe;
(6) other items.

Jefferson and Kitsap Counties

Stockpiling about 11,280 cu. yds. of crushed stone surfacing and oil rock for about 65.5 miles of State Road No. 9 and 21, Lilliwaup to Wildwood Park and Chico Creek to Kingston, Federal Public Works Project in Mason, Jefferson and Kitsap Counties.

Mason County

Stockpiling about 10,940 cu. yds. of crushed stone (oil rock) for about 9.8 miles of State Road No. 9, Junction State Road No. 14 to Lilliwaup, Federal Public Works Project in Mason County.

Grays Harbor County

Stockpiling about 7,410 cu. yds. of crushed stone surfacing and oil rock for about 14.2 miles of State Road No. 9, Oakville to Elma, Federal Public Works Project in Grays Harbor Co.

Plans and specifications obtainable from above office upon deposit of $2.00 per set.

LOW BIDDERS.

MARCH FIELD, Riverside Co., Cal. —Cresmer Mfg. Co., 2601 3rd St., Riverside, at $13,890 (using emulsified asphalt) and at $14,459 (alternate using concrete) submitted low bid to Constructing Quartermaster, March Field, February 23, for reconditioning roads and walks at March Field, using emulsified asphalt.

Matich Bros., Elsinore, submitted the low bid using concrete at $13,-542.27. Their bid on emulsified asphalt was $14,551.51, the bid on the alternate specifying a deduction of $1.-009.24 for concrete.

The bids were refered to Capt. Flattery, constructing quartermaster.

BIDS WANTED

MESA, Maricopa Co., Cal.—Until March 13, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for improving the Tempa-Mesa Highway, NRM Project 8-B (A.F.E. No. 515). The work is located on Main Street within the city limits of Mesa and consists of placing asphaltic retread surface and widening existing pavement with asphaltic concrete and is to be completed before March 31, 1934. The work involves:

(1) 176 tons emulsified asphalt for tread surface;
(2) 2100 tons aggreg. for retread surf.
(3) 4600 sq. yds. grading;
(4) 4600 sq. yds. asphalt pavement (CIP);

An appropriation of $25,000 has been made toward the construction of the above projcet. Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

BIDS OPENED.

KING COUNTY, Wash. — Erickson Paving Co., 1550 N 34th St., Seattle, at $33,523 submitted low bid to King County Board of Commissioners for the construction of Issaquah Compton Road, Federal Public Roads Project No. 2970; paving with Portland cement concrete, 20-ft. wide.

Complete bids follow:

Erickson Paving Co., Seattle	$33,523
N. Fiorito Co., Seattle	34,968
Northwest Const. Co., Seattle	35,268
Fiorito Bros., Seattle	35,349
Moceri Bros., Seattle	35,364
J. B. Covello, Seattle	42,330

George A. Grant, clerk.

BIDS OPENED.

GRAYS HARBOR CO., Wash.—Allen & Goven, Inc., Olympia, at $11,708 submitted low bid to the Washington State Highway Department, Olympia, for constructing a channel for the Satsop river and a drift barrier in the vicinity of State Road No. 9, F. P. W. Project No. 4173.

J. S. Pederson & Son, Enumclaw, second low bidder at $11,903; third, Bjork Bros. and Lind, Seattle, $16,624.

L. V. Murrow, state highway director.

BIDS WANTED.

MARICOPA COUNTY, Ariz.—Until March 14, 2:30 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix - Yuma Highway, NRH 56 (AFE No. 8035). The work, which is located about 2.5 miles west of the town of Gila Bend, consists of the construction of three concrete box culverts and approaches, and the salvaging and relaying of old oil cake, and is to be completed on or before June 15. The principal items are:

(1) 1,800 cu. yds. borrow excavation;
(2) 300 cu. yds. structural excav.;
(3) 1,000 cu. yds. select material, CIP;
(4) 254 cu. yds. Class A concrete;
(5) 23,750 lbs. reinf. steel;
(6) 2,200 sq. yds. salvage and relay oil oil mix;
(7) 300 sq. yds. placing new oil mix;
(8) 1,200 gals. road oil.

Plans and specifications obtainable from above office. T. S. O'Connell, state highway engineer.

An appropriation in the amount of $10,000 has been made towards the construction of the above project.

AWARD RECOMMENDED

MOHAVE COUNTY, Ariz.—Award of a contract to M. J. Bevanda, Elks Bldg., Stockton, at $351,298.55 for grading Section B of the Federal Lands Highway Project No. 2, Kingman-Boulder Dam highway, Mohave county, Arizona, has been recommended by District Engineer, C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

BIDS WANTED.

KERN COUNTY, Cal.—Until March 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crush. gravel or stone about 1.1 miles between one and two miles south of Delano, in Kern County, involving:

(1) 300 cu. yds. rdwy. excav., unclassified;
(2) 24,000 cu. yds. imported borrow;
(3) 1,800 M. gals. water;
(4) 300 cu. yds. struc. excav.;
(5) 60 lin. ft. CMP clean and relay;
(6) 20 cu. yds. remove and dispose of existing Portland cement conc.;
(7) 135 cu. yds. Class A Port. cem. concrete struc.;
(8) 19,500 lbs. bar reinf. steel struc.;
(9) 4 each timber culvert markers;
(10) 750 bbls. heavy fuel oil;
(11) 2,600 tons crushed gravel or stone bit. treated surfacing;
(12) 150 tons cutback asph. road oil bit. treated surfacing;
(13) 2,750 tons mixing cutback asph. road oil and crushed gravel or stone;
(14) 1.1 miles mix and shape detours and shoulders;
(15) 220 lin. ft. laminated timber gd. rail;
(16) 56 stations finishing roadway;
(17) 6 each monuments in place.

Plans and specifications obtainable from the above office, and on file at the offices of the District Engineeers in Los Angeles and San Francisco, and in the district in which the work is located.

BIDS WANTED

COCONINO COUNTY, Ariz. — Until March 13, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for furnishing:

(1) 45,500 gals. liquid asphaltic road material, Type S. C. 1-A.;
(2) 1500 tons liquid asphaltic road material, Type M.C.-4 and/or Type M.C.-5.

The above is to be used on Sections B and C of Route 4, the Ashfolk-Flagstaff-Angell National Forest Highway, Tusayan National Forest, in Coconino County.

Plans and specifications obtainable from the above office, and C. H. Sweetser, District Engineer.

BIDS WANTED.

NYE COUNTY, Nev.—Until March 14, 2 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for constructing a roadmix asphaltic surface on a portion of the State highway system in Nye County, between 33 miles and 2 miles south of Beatty, Route 5 Sections D2, E, F and G1. Length of the project is 31.13 miles, involving:

(1) 592,830 gals. asph. road material, Type SC-2;
(2) 47,763 gals. do, Type MC-2;
(3) 14.41 miles roadmix (20-ft. wide);
(4) 16.72 miles do. 18-ft. wide;
(5) 31.13 miles finish roadway.

Plans and specifications obtainable from above office upon deposit of $5 for each set; $2.50 returnable.

CONTRACT AWARDED

MADERA COUNTY, Cal. — Hemstreet & Bell, 501 Eleventh St., Marysville, at $106,448.80 awarded contract by U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grad-

ing Section A of Route 74, Northfork National Forest Highway, Sierra National Forest Highway, Sierra National Forest, in Madera County.

BIDS WANTED

VENTURA COUNTY, Cal. — Until March 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 3.3 miles in Ventura County, between Beetox and Santa Clara River, involving:

(1) 174 sta. clear and grubb. R/W;
(2) 500 cu. yds. rdwy. excav. unclass.
(3) 110 sta. yds. overhaul;
(4) 10,000 cu. yds. imported borrow;
(5) 60 cu. yds. struc. excav.;
(6) 2400 sq. yds. subgrade for pavement;
(7) 38,000 sq. yds. asphaltic paint binder;
(8) 10,330 tons asphalt concrete;
(9) 1600 bbls. heavy fuel oil;
(10) 30,800 sq. yds. mixing fuel oil and earth shoulders;
(11) 5 cu. yds. Class A Port. cem. conc. struct.;
(12) 100 lbs. bar reinf. steel strucs.;
(13) 12 lin. ft. 18-in. CMP;
(14) 1.7 miles moving and resetting exist property fences;
(15) 430 M. gals water;
(16) 2 each culvert markers;
(17) 174 sta. finishing roadway;
(18) 48 each mounments complete in place.

Plans and specifications obtainable from above office, and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the District in which the work is situated.

CONTRACT AWARDED.

ARIZONA STATE. — O. F. Fisher, 516 South Seventh St., Phoenix, at $23,690.02 awarded contract by Arizona State Highway Commission at Phoenix for highway construction on NRM 79-D, the Mesa - Casa Grande Highway. The work, all of which is located inside the city limits of Chandler, consists of widening the existing pavement with Portland cement concrete, the construction of concrete curbs, gutters, sidewalks, part circle culverts and other incidental work and is to be completed on or before May 31.

CONTRACT AWARDED.

KING COUNTY, Wash. — Erickson Paving Co., 1550 N 34th St., Seattle, at $17,212 awarded contract by Board of County Commissioners, King Co., for the construction of Puget Sound Marine View Drive Division 4 Des Moines North Federal Public Works Project No. 4174, paving with Portland cement concrete, 20-ft. wide, in King County.

Complete bids follow:

Erickson Paving Co., Seattle	$17,212
L. J. Dowell, Inc., Seattle	18,963
Northwest Const. Co., Seattle	19,509
N. Fiorito, Seattle	23,339
Fiorito Bros., Seattle	23,538
Queen City Const. Co., Seattle	24,471
J. B. Covello, Seattle	26,555

George A. Grant, clerk.

BIDS WANTED.

MINERAL COUNTY, Nevada—Until March 14, 2 P. M., bids will be received by S. C. Durkee, State Highway Engineer, Nevada State Highway Commission, Heroes Memorial Bldg., Carson City, for grading and surfacing 12.29 miles of Section A, Route 10, between California State Line and Basalt in Mineral County, involving:

(1) 84 acres clear and grub;
(2) lump sum move buildings;
(3) 144,300 cu. yds. rdwy. excav.;
(4) 94,341 sta. yds. overhaul;
(5) 35,323 cu. yds. select borrow;
(6) 1,550 cu. yds. struc. excav.;
(7) 12.29 miles subgrade;
(8) 38,000 cu. yds. crushed gravel or stone surfacing;
(9) 136 cu. yds. Class A concrete;
(10) 128 cu. yds. Class B concrete;
(11) 17,100 lbs. reinf. steel;
(12) 2,408 lin. ft. 18-in. CMP;
(13) 1,652 lin. ft. 24-in. CMP;
(14) 246 lin. ft. 30-in. CMP;
(15) 244 lin. ft. 36-in. CMP;
(16) 41 lin. ft. remove culvert pipe;
(17) 20 lin. ft. relay culvert pipe;
(18) 63 cu. yds. handlaid riprap;
(19) 209 each monuments;
(20) 12.29 miles finish roadway.

Plans and specifications obtainable from the above office upon deposit of $2.50 and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS WANTED

MERCED COUNTY, Cal. — Until March 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing about 3.3 miles with bituminous treated gravel or stone road mixed, in Merced County, between westerly boundary and 3.5 miles east, involving:

(1) 25 acres clearing and grubbing right-of-way;
(2) 306,000 cu. yds. rdwy. excav. unclass.;
(3) 2,000,000 sta. yds. overhaul;
(4)2700 cu. yds. struc. excav.;
(5) 68 cu. yds. conc. to be removed and disposed of;
(6) 135 cu. yds. Class A Port. cem. conc. structures;
(7) 8900 lbs. bar reinf. steel strucs.;
(8) 2025 cu. yds. salvaged surf. detour;
(9) 2278 lin. ft. 24-in. CMP;
(10) 246 lin. ft. 36-in. CMP;
(11) 666 lin. ft. (CMP) ft. culverts clean and relay;
(12) 382 lin. ft. CMP culverts remove and salvage;
(13) 2 each remove and reset headwalls;
(14) 14 each spillway assemblies complete in place;
(15) 6160 M. gals water;
(16) 8900 cu. yds. untreat. cru. gravel or stone base;
(17) 5600 cu. yds. cru. gravel or stone bit. treated surfacing;
(18) 380 tons cut-back asph. bit. treated surfacing;
(19) 3.3 miles mixing cut-back asphalt and crushed gravel or stone;
(20) 210 bbls. light fuel oil detours;
(21) 250 bbls. heavy fuel oil prime coat
(22) 1.4 miles exist. property fences, move and reset;
(23) 5.5 miles new property fence;
(24) 20 each fence gates complete in place;
(25) 174 sta. finish roadway;
(26) 54 each mounments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED.

ARIZONA STATE.—Until March 16, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for constructing Prescott-Phoenix Highway Project NRH 72-C. The work, which is to begin at the south city limits of Prescott and is to extend southwest approximately 15½ miles, consists of placing 8-in. perforated CMP aggregate base course and cutback plant mix, with emulsified asphaltic seal coat, and other incidental work, and is to be completed on or before October 31. The principal items are:

(1) 18,300 lin. ft. perforated CMP;
(2) 181,000 sq. yds. reshaping road surface;
(3) 34,200 cu. yds. agg. base course;
(4) 136,600 cu. yds. mi. do, haul;
(5) 23,600 tons plant mix;
(6) 91,700 ton mile plant mix haul;
(7) 950 tons cutback asphalt;
(8) 400 tons emulsified asphalt;
(9) 15.5 miles placing plant mix;
(10) 1,350 cu. yds. screenings;
(11) 40,000 lin. ft. line fence;
(12) 1,700 cu. yds. rock backfill;
(13) misc. items of work.

An appropriation in the amount of $180,000 has been made towards the construction of above project. Plans and specifications obtainable from the above office. T. S. O'Connell, state highway engineer.

AWARD.

LANDER & EUREKA COUNTIES, Nev.—George French, Jr., P. O. Box 107, Stockton, Cal. ,at $88,857.46 was awarded contract by Nevada Highway Commission, for roadmix asphaltic surfacing 33.45 miles of Route 2, Sections F1, F2-A1, between 12 miles east of Austin and 14 miles west of Hay Ranch in Lander and Eureka Cos.

C. F. Fredericksen & Sons, Lower Lake, Calif., submitted second low bid at $93,170.65. S. C. Durkee, engineer.

AWARD.

CLARK COUNTY, Nevada. — Dodge Const. Co., Inc., Fallon, at $37,205.93 awarded contract by the Nevada State Highway Commission, Carson City, for roadmix asphaltic surfacing, 14.87 mi. of Route 5, Sections D4 and E, between Las Vegas and Charleston Park Road in Clark County.

U. B. Lee, 1059 Carpentier St., San Leandro, Cal., second low bidder at $39,878.00. S. C. Durkee, engineer.

CONTRACT AWARDED.

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $3,888.00 awarded contract by the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for reconstruction of Stockton Street from Columbus Ave. to Pacific Ave.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

DOUGLAS CO. (NEV.)—3.99 Mi. Grade and Surf.—(Govt.)

DOUGLAS COUNTY, Nevada—Jack Casson, Hayward ,Calif., at $55,531.34 awarded contract (as previously reported), by the Nevada State Highway Commission (S. C. Durkee, Engineer), Carson City, Nevada, for grading and surfacing 3.99 miles between Minden and 4 miles south, in Douglas County, involving:

(1) 5994 cu. yds. roadway excav.;
(2) 27,207 sta. yds. overhaul;
(3) 51,956 cu. yds. imported borrow;
(4) 20,384 cu. yds. select borrow;
(5) 250 cu. yds. struc. excav.;
(6) 3.95 miles subgrade;
(7) 13,000 cu. yds. selected material surf.;
(8) 36 cu. yds. Class A concrete;
(9) 70 cu. yds. Class B concrete;
(10) 5,400 lbs. reinf. steel;
(11) 12 each monuments;
(12) 71 MFBM redwood;
(13) 1,860 lin. ft. treated timber piles;
(14) 62 each drive timber piles;
(15) 3.99 miles finish roadway;
(16) 5 MFBM salvaged timber;
(17) 4.20 MFBM untreated Doug. fir.

Complete bids follow:

(A) Jack Casson, Hayward, $55,531.34.
(B) Union Paving Co., San Francisco, $58,865.61.
(C) Isbell Constr. Co., Carson City, Nevada, $60,788.14.
(D) Olof Nelson, Logan, Utah, $70,-035.75.
(E) M. J. Bevanda, Stockton, $76,-947.28.
(F) Engineer's Estimate, $64,317.08.

	(A)	(B)	(C	(D)	(E)	((F)
(1)	$ .50	$ .60	$ .35	$ .60	$ .75	$ .70
(2)	.02	.03	.02	.05	.04	.04
(3)	.30	.50	.50	.50	.50	.50
(4)	.60	.50	.50	.50	.75	.50
(5)	1.00	1.00	1.10	2.00	1.50	1.00
(6)	100.00	100.00	50.00	200.00	200.00	100.00
(7)	.70	.50	.60	1.00	.75	.50
(8)	30.00	20.00	24.50	30.00	35.00	35.00
(9)	30.00	20.00	24.50	30.00	32.00	33.00
(10)	.06	.07	.06	.08	.08	.06
(11)	3.00	3.00	3.50	5.00	3.50	3.50
(12)	100.00	85.00	100.00	100.00	125.00	110.00
(13)	.75	.50	.70	.80	.75	.75
(14)	25.00	15.00	22.30	20.00	59.00	25.00
(15)	100.00	100.00	100.00	100.00	150.00	100.00
(16)	30.00	20.00	40.00	60.00	65.00	50.00
(17)	70.00	50.00	85.00	100.00	85.00	90.00

LYON & CHURCHILL COS. (Nev.) 18.53 Mi. Oiling (State)

LYON and CHURCHILL Counties, Nev.—George French, Jr., P. O. Box 107, Stockton, Cal., at $41,047 awarded contract (as previously reported) by the Nevada State Highway Commission, S. C. Durkee Engineer, Carson City, for oiling 18.53 miles in Lyon and Churchill Counties between 9½ miles northeast of Dayton and twelve miles west of Labontan, and between 2 miles west of Labontan and Leeteville, Route 2A, Sections C1, C3, A, and B.

Complete bids follow:

(A) Geo. French, Jr., Stockton, $41,047.00.
(B) J. A. Casson, Hayward, Calif., $45,186.61.
(C) Union Paving Co., San Francisco, $47,269.68.
(D) J. C. Compton, McMinnville, Ore., $47,690.52.
(E) Tiffany Const. Co., San Jose, Cal. $48,863.42.
(F) U. B. Lee, San Leandro, Calif., $50,975.68.
(G) M. J. Bevanda, Stockton, Calif., $58,940.47.
(H) Engineer's estimate, $48,582.87.

Unit items were:

(1) 407,504 gals. asphaltic road material, Type SC-2;
(2) 35,529 gals. do, Type MC-2;
(3) 18.53 miles roadmix;
(4) 18.53 miles finish roadway;
(5) 6,853 sq. yds. grout, handlaid riprap.

Bids were opened February 21.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .057	$ .065	$ .07	$ .065	$ .067	$ .07	$ .08	$ .065
(2)	.087	.10	.10	.104	.10	.10	.10	.09
(3)	400.00	500.00	400.00	550.00	525.00	600.00	525.00	600.00
(4)	25.00	40.00	50.00	25.00	40.00	50.00	150.00	50.00
(5)	1.00	.75	1.00	1.00	1.10	1.00	1.50	1.00

LANDER CO. (Nev. — 15.92 Mi. Oiling — (State)

LANDER COUNTY, Nev.—As previously reported, J. C. Compton, McMinnville, Oregon, at $45,786.62 was awarded contract by the Nevada State Highway Commission, S. C. Durkee, Engineer, Carson City, for oiling 15.92 miles of Route 2, Section B, in Lander County, between Campbell Creek Ranch and Railroad Pass.

Complete bids follow:

(A) J. C. Compton, McMinnville, Ore., $45,786.62.
(B) J. A. Casson, Hayward, Cal. ,$48,-381.27.
(C) U. B. Lee, San Leandro, Calif., $49,834.45.
(D) C. F. Frederickson & Sons, Lower Lake, Calif., $54,805.42.
(E) M. J. Bevanda, Stockton, Calif., $56,776.34.
(F) Union Paving Co., San Francisco, $59,203.11.
(G) Engineer's estimate, $56,776.34.

Unit items were:

(1) 350,299 gals. asphaltic road material, Type SC-2;
(2) 25,689 gals. do, Type MC-2;
(3) 15.92 miles roadmix;
(4) 15.92 miles finish roadway.

Bids were opened February 21.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .092	$ .105	$ .10	$ .1185	$ .12	$ .13	$ .12
(2)	.125	.12	.14	.155	.14	.16	.14
(3)	625.00	495.00	500.00	550.00	550.00	500.00	600.00
(4)	25.00	40.00	50.00	35.00	150.00	100.00	100.00

COMPLETE BIDS.

FRESNO, Fresno Co., Cal.—As previously reported, Valley Paving Co., P. O. Box 1349, Fresno, at $31,653.29 submitted low bid to Fresno city council, Harry Foster, city clerk, for paving in connection with the Broadway widening project. The work involves the paving of Divisadero St. between Broadway and Van Ness Ave., of So. G St .and of Cherry Ave. between Fulton St. and Van Ness Ave.

Complete bids follow:

(A) Valley Paving Co., Fresno, $31,-653.29.
(B) Briscoe & Jurkovich, Fresno, $35,-535.06.
(C) Union Paving Co., San Francisco, $38,811.75.

Unit items were:

(1) 18,367 sq. yds. grading;
(2) 4,168 sq. yds. asph. paint binder;
(3) 15,240 sq. ft. remove and dispose of existing sidewalks and driveways;
(4) 2,550 sq. ft. do, pavement and gutters;
(5) 2,785 lin. ft. do existing curbs;
(6) remove and dispose of existing drainage structures;
(7) 4,618 tons asphalt concrete;
(8) 10,602 sq. ft. concrete sidewalks;
(9) 5,353 sq. ft. concrete gutter;
(10) 1,230 sq. ft. concrete driveways;
(11) 2,614 lin. ft. concrete curb;
(12) 551 lin. ft. do with steel curb guards;
(13) 709 lin. ft. 24-in. CM conc. culvert;
(14) 242 lin. ft. 15-in. CMP;
(15) 86 lin. ft. 12-in. CMP;
(16) 11 culvert handholes;
(17) 8 concrete sidewalk inlets;
(18) 26 electroliers to be moved and reset.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ .125	$ .30	$ .19
(2)	.015	.02	.02
(3)	.028	.04	.06
(4)	.047	.04	.06
(5)	.0123	.20	.20
(6)	240.00	500.00	500.00
(7)	3.40	4.00	4.20
(8)	.152	.20	.13
(9)	.244	.20	.20
(10)	.21	.20	.25
(11)	.40	.50	.70
(12)	.65	1.00	.40
(13)	3.00	3.00	5.00
(14)	1.75	2.00	3.00
(15)	1.40	1.50	1.50
(16)	12.00	15.00	12.00
(17)	21.00	15.00	40.00
(18)	189.00	50.00	180.00

Bids referred to Commissioner of Public Works for report and recommendation of PWA.

ARIZONA STATE COMPLETE BID LISTING.

All Arizona Engineering and Construction Co., Clifton, Arizona, at $6,735.38, submitted low bid (as previously reported) to the Arizona State Highway Commission, Phoenix, Arizona, for bridge construction on the Safford-State Line Highway, NRH 88-C (A. F. E. 1803). The work, which is located about 1½ miles southeast of the town of Denncan, consists of the construction of one timber bridge surfaced wtih a 3-inch compacted oil cake, and is to be completed on or before May 31, 1934. Complete bids follow:

(A) All-Arizona Engineering & Construction Co.;
(B) Wm. Peper Construction Co., P. O. Box 1564, Phoenix;

(C) H. L. Royden, Po. O. Box 865, Phoenix;

Unit Items and Prices Follow:

(1) 250 c. y. struc. excav. (unclass.);
(2) 35 M. B. M. treated timber (CIP);
(3) 2 M. B. M. untreated timber (CIP);
(4) 1,180 lin. ft. treated timber piles (CIP);
(5) 50 lin. ft. treated timber piles, cut-off;
(6) 2 each water barrels (CIP);
(7) 360 sq. yds. furnish. & plac. oil mix (CIP, except rd. oil);
(8) 882 gals. road oil (for oil mix and seal coat) (CIP);
(2a) ALTERNATE (In lieu of items 2 and 3) 39 M. B. M. rdwd timber (CIP);

T. S. O'Connell, State Highway Engineer.

(A)	$6735.38	Alt.	$6790.38
(B)	7162.80	Alt.	7576.80
(C)	7753.09	Alt.	8033.09
(1)	$ 1.50	$ 1.50	$ 2.50
(2)	115.00	112.00	125.00
(3)	105.00	95.00	110.00
(4)	1.48	1.80	1.66
(5)	1.11	1.35	1.245
(6)	10.00	15.00	15.00
(7)	.50	.90	.80
(8)	.14	.15	.22
(2a)	110.00	116.00	125.00

COMPLETE BID LISTING.

ARIZONA STATE.—Orr & Lashmet, P. O. Box 177, Bisbee, Arizona, at $20,738.25 submitted low bid to Arizona State Highway Commission at Phoenix, (as previously reported) for constructing Benson - Douglas Highway Project NRH 79-C. The work, which is located at Government Draw about 9½ miles south of the town of Tombstone, consists of the construction of a concrete and steel girder bridge on steel piles with earthwork approaches, and is to be completed on or before June 15.

Complete bids follow:

(A) Orr & Lashmet, Bisbee, $20,738.25.
(B) H. L. Royden, P. O. Box 865, Phoenix, $21,435.84.
(C) All-Arizona Engr. & Const. Co., Clifton, Arizona, $22,137.26.

Unit item follow:

(1) 1,334 cu. yds. rdwy. excav., unclassified;
(2) 334 cu. yds. borrow excav. unclassified;
(3) 1,042 sta. yds. earthwork overhaul
(4) 563 cu. yds. place stockpiled aggregate base course (CIP);
(5) 325 tons place stockpiled plant mix (CIP);
(6) 20 hours rolling;
(7) 10 M. gals. sprinkling;

Structures Over 20-ft. Clear Span

(8) 235 cu. yds. struc. excavation, unclassified;
(9) 15 cu. yds. Class AA conc. (including cement);
(10) 306 cu. yds. Class A do;
(11) 38,025 lbs. reinf. steel bars (CIP);
(12) 78,788 lbs. struc. steel (CIP);
(13) 925 lin. ft. steel piles (CIP);
(14) lump sum, removal of conc. dip.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ .70	$ .36	$ .75
(2)	.60	.30	.65
(3)	.04	.035	.04
(4)	.40	.48	.50
(5)	.40	1.00	.50
(6)	2.50	10.00	7.00
(7)	4.00	3.50	4.00
(8)	1.50	1.50	1.60
(9)	85.00	85.00	90.00
(10)	23.00	24.50	24.50
(11)	.058	.055	.059
(12)	.065	.0575	.066
(13)	3.00	4.50	3.50
(14)	350.00	80.00	350.00

T. S. O'Connell, state highway engineer. 20

WASHOE CO. (Nev.)—13.31 Mi. Grade & Surf.—(State)

WASHOE COUNTY, Nev.—As previously reported, Fredrickson & Watson Const. Co. and Fredrickson Bros., 873 81st Ave., Oakland, and Jones & King, Hayward, Calif., at $229,420.31 awarded contract by the Nevada State Highway Commission, S. C. Durkee, engineer, Carson City, for reconstructing 13.31 miles of Route 1, Sections C2, C3, D1 and D2, between Clark and Wadsworth in Washoe County.

The bids were opened February 21.

Complete bids follow:

(A) Fredrickson & Watson Const. Co., Fredrickson Bros., Oakland, and Jones & King, Hayward, Calif., $229,420.31.
(B) Union Paving Co., San Francisco, $230,796.22.
(C) Isbell Const. Co., Carson City, $247,270.26.
D) Morrison & Kundsen, Boise, Ida. $254,442.67.
(E) J. A. Casson, Hayward, Calif., $260,310.09.
(F) Olof Nelson, Logan, Utah, $278,-473.53.
(G) A. Teichert & Sons, Sacramento, $286,772.22.
(H) M. J. Bevanda, Stockton, Calif., $290,804.05.
(I) Engineer's estimate, $262,276.42.

Unit items were:

(1) 169,000 cu. yds. rdwy. excav.;
(2) 293,109 yd. sta. overhaul;
(3) 14,474 cu. yds. select. borrow;
(4) 1,360 cu. yds. struc. excav.;
(5) 13.26 miles subgrade;
(6) 13.26 miles shoulders;
(7) 38,620 cu. yds. crushed gravel or stone subbase;
(8) 41,890 tons plant mix crushed gravel or stone base;
(9) 24,005 tons plant mix asph. surf.;
(10) 19,452 gals. asph. road material, type MC-2;
(11) 41,200 gals. do type SC-1;
(12) 57,260 gals. do, type SC-1A;
(13) 4,006 M. gals. water;
(14) 44 each move pipe culvert headwalls;
(15) 14 each remove do;
(16) 328 cu. yds. Class A concrete;
(17) 42 cu. yds. Class B concrete;
(18) 33,950 lbs. reinf. steel;
(19) 14 lin. ft. 15-in. CMP;
(20) 940 lin. ft. 18-in. CMP;
(21) 232 lin. ft. 24-in. CMP;
(22) 236 lin. ft. 30-in. CMP;
(23) 190 lin. ft. 36-in. CMP;
(24) 270 lin. ft. remove culvert pipe;
(25) 102 lin. ft. relay culvert pipe;
(26) 290 cu. yds. cement rubble masonry;
(27) 22 cu. yds. handlaid riprap, grout
(28) 65 cu. yds. hand-placed fill;
(29) 1 remove stone culvert;
(30) 12 cu. yds. remove concrete;
(31) 232 each monuments;
(32) 2.21 miles traffic stripe;
(33) 2,900 lbs. castings;
(34) lump sum, remove buildings;
(35) 4,920 lin. ft. remove fence;
(36) 3,749 lin. ft. reconstruct fence;
(37) 1,171 lin. ft. construct fence;
(38) 13.31 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .36	$ .35	$ .47	$ .51	$ .45	$ .55	$ .61	$ .47	$ .42
(2)	.01	.01	.01	.015	.03	.02	.01	.012	.02
(3)	.25	.30	.30	.35	.40	.50	.45	.36	.40
(4)	1.00	1.50	1.10	1.50	1.00	1.50	1.80	1.20	1.10
(5)	150.00	150.00	150.00	100.00	90.00	200.00	350.00	300.00	200.00
(6)	150.00	100.00	150.00	125.00	90.00	100.00	200.00	220.00	150.00
(7)	.50	.70	.40	.55	.90	.70	.80	.90	.75
(8)	1.10	1.09	1.10	.95	1.10	1.10	1.10	1.20	1.20
(9)	2.31	2.00	2.26	2.25	2.15	2.20	2.10	2.60	2.30
(10)	.10	.10	.10	.10	.08	.10	.10	.12	.10
(11)	.08	.07	.08	.07	.06	.07	.08	.096	.06
(12)	.07	.06	.07	.07	.05	.06	.07	.084	.06
(13)	1.00	1.50	1.50	1.50	1.00	1.00	1.00	1.20	1.50
(14)	10.00	10.00	5.00	10.00	20.00	10.00	12.00	9.60	7.50
(15)	10.00	5.00	3.00	5.00	5.00	5.00	6.00	4.80	5.00
(16)	20.00	25.00	22.50	22.00	20.00	25.00	28.00	28.80	25.00
(17)	20.00	20.00	22.50	22.00	20.00	25.00	28.00	27.60	25.00
(18)	.05	.06	.06	.065	.05	.06	.05	.06	.06
(19)	1.15	1.40	1.85	1.75	2.00	2.00	1.50	1.56	1.50
(20)	1.50	2.00	2.00	2.00	2.00	2.00	1.80	1.80	1.90
(21)	2.25	3.00	2.75	2.75	3.00	3.00	3.00	2.88	2.50
(22)	2.80	3.50	3.00	3.50	3.50	3.50	3.50	5.10	3.25
(23)	4.20	4.00	4.50	5.50	4.00	5.00	5.00	6.30	4.50
(24)	.50	.50	.75	.75	1.00	1.00	.60	.90	.75
(25)	.50	.50	.75	.50	1.00	1.00	.80	1.20	.75
(26)	12.00	10.00	12.00	10.00	15.00	15.00	9.00	14.40	12.00
(27)	5.00	8.00	4.00	8.00	7.00	15.00	6.00	18.00	8.00
(28)	1.00	2.00	2.50	2.50	5.00	5.00	6.00	4.80	2.00
(29)	10.00	.....	10.00	20.00	50.00	.....	50.00	240.00	20.00
(30)	1.00	10.00	5.00	5.00	4.00	5.00	8.00	6.00	10.00
(31)	2.50	3.00	3.50	3.00	2.00	5.00	3.00	2.40	3.00
(32)	75.00	100.00	100.00	25.00	100.00	100.00	100.00	240.00	100.00
(33)	.12	.12	.10	.07	.10	.15	.10	.18	.12
(34)	1800.00	1000.00	1500.00	1800.00	1200.00	2500.00	500.00	3000.00	1500.00
(35)	.02	.02	.02	.03	.01	.05	.04	.096	.02
(36)	.05	.07	.05	.04	.03	.05	.07	.12	.08
(37)	.12	.10	.12	.08	.04	.10	.10	.144	.12
(38)	175.00	150.00	150.00	125.00	50.00	100.00	150.00	120.00	150.00

BIDS OPENED.

DOUGLAS, Ormsby and Washoe Cos., Nev.—Jack Casson, 319 Warren, Hayward, Calif., at $106,086.20 submitted low bid to the U. S. Bureau of Public Roads, 461 Market Street, San Francisco, for placing decomposed granite surfacing on Section A and bituminous surface treatment (road mix) on Sections A, B, C and D of Route 1, Lake Tahoe National Forest Highway and bit. surf. treatment (road mix) on Sections C, D and E of Rt. 3, Glenbrook National Forest Highway, Tahoe National Forest, Douglas, Ormsby and Washoe Counties. Total bids follow:

(A) Jack Casson, Hayward, $106,086.20
(B) Granite Const. Co., Watsonville, Calif., $111,690.90*.
(C) U. B. Lee, San Leandro, Calif., $116,160.
(D) J. C. Compton, McMinnville, Ore., $117,280**.
(E) Engineer's estimate, $104,594.

*2% discount if awarded Mt. Rose contract also.

**1% discount if awarded Mt. Rose contract also.

Unit quantities were:

(1) 130 cu. yds. unclass. excav. for structures;
(2) 10.116 miles fine grade subgrade shoulders;
(3) 18,000 cu. yds. decomposed granite surfacing;
(4) 382 lin. ft. 8-in. perf. CGMP;
(5) 200 lin. ft. placing Govt. furnished do;
(6) 110 cu. yds. crushed gravel or rock backfill;
(7) 2,920 tons liquid asph. road material;
(8) 25.325 miles mix and roll bit. treated material;
(9) extra work, sanding of seal coat.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 1.50	$ 1.50	$ 2.00	$ 1.25	$ 1.00
(2)	200.00	250.00	300.00	160.00	150.00
(3)	.70	.50	.65	.90	.90
(4)	1.50	1.00	1.25	1.10	1.00
(5)	.50	.20	.25	.55	.20
(6)	4.00	3.00	6.00	4.00	5.00
(7)	25.50	29.47	28.00	27.00	24.00
(8)	600.00	500.00	700.00	750.00	600.00
(9)	500.00	500.00	500.00	500.00	500.00

All bids held under advisement.

COMPLETE BID LISTING.

LYON COUNTY, Nev.—As previously reported, Isbell Const. Co., Carson City, at $58,464.80 awarded contract by the Nevada State Highway Commission, S. C. Durkee, Engineer, Carson City, for grading and surfacing 12.11 miles of Route 2B, Section A, in Lyon County between Yerington and Wabuska.

Complete bids follow:
(A) Isbell Const. Co., Carson City, $58,464.85.
(B) Union Paving Co., San Francisco, $66,240.72.
(C) M. J. Bevanda, Stockton, Calif., $89,942.56.
(D) Engineer's estimate, $68,764.20.

Unit quantities were:
(1) 76,402 cu. yds. select borrow;
(2) 760 cu. yds. struc. excav.;
(3) 5.43 miles shaping roadway;
(4) 12.11 miles subgrade;
(5) 38,200 cu. yds. crushed gravel or stone surf.;
(6) 62 cu. yds. Class A concrete;
(7) 77 cu. yds. Class B concrete;
(8) 8,700 lbs. reinf. steel;
(9) 179 lin. ft. 2x1½ ft. laminated culverts;
(10) 1.2 MFBM redwood;
(11) 96 each monuments;
(12) 12.11 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$ .30	$ .36	$ .58	$ .35
(2)	1.10	1.50	1.50	1.00
(3)	100.00	100.00	150.00	100.00
(4)	100.00	100.00	175.00	100.00
(5)	.70	.75	.88	.85
(6)	26.00	36.00	34.00	30.00
(7)	26.00	32.00	31.00	30.00
(8)	.06	.06	.07	.07
(9)	2.25	2.00	3.00	3.00
(10)	110.00	100.00	125.00	150.00
(11)	3.50	3.00	3.50	3.50
(12)	100.00	100.00	150.00	100.00

The bids were opened Feb. 21.

WASHOE CO. (NEV.)—5.199 Mi.—Roadmix Surf. (Govt.)

WASHOE CO., Nev.—L. G. Kip, 2516 Seventh Ave., Sacramento, Calif., at $30,954.10 submitted low bid to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing bituminous treated surfacing (road mix) on Section A of Route 2 of the Mt. Rose National Forest Highway, Tahoe National Forest, Washoe County, Nevada.

Complete bids follow:
(A) L. G. Kip, Sacramento, $30,954.10.
(B) Central States Contr. Co., Oakland, $31,899.00.
(C) J. C. Compton, McMinnville, Ore., $32,614.79*.
(D) Isbell Const. Co., Carson City, $39,799.75.
(E) Granite Const. Co., Watsonville, Calif., $43,231.60**.
(F) Engineer's estimate, $30,836.60.

*1% discount if awarded Tahoe and Glenbrook contract also.
**7% discount if awarded Tahoe and Glenbrook contract also.

Unit quantities were:
(1) 3,000 cu. yds. unclass. excav.;
(2) 5,199 miles fine grading subgrade shoulders;
(3) 400 M. gals. watering;
(4) 10,200 cu. yds. crush. gravel surface;
(5) 300 cu. yds. supp. crushed gravel.
(6) 485 tons liquid asph. road material, Type MC-2;
(7) 5.199 miles mix and roll;
(8) 3,000 cu. yds. mile haul unclass. excavation;
(9) 15,250 gals. liquid asphalt road material, Type SC-1-A;
(10) extra work, sanding seal coat.

All bids held under advisement.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .35	$ .90	$ .36	$ .50	$ .50	$ .45
(2)	200.00	300.00	160.00	300.00	300.00	300.00
(3)	2.50	3.00	1.50	2.50	2.30	2.50
(4)	1.30	.80	1.10	1.60	1.90	1.10
(5)	1.05	3.00	1.10	1.60	1.75	1.00
(6)	18.00	25.00	26.00	27.50	29.50	22.00
(7)	700.00	700.00	800.00	700.00	600.00	600.00
(8)	.20	.20	.18	.25	.20	.15
(9)	.08	.06	.075	.073	.08	.07
(10)	100.00	100.00	100.00	100.00	100.00	100.00

22—DREDGING HARBOR WORKS EXCAVATION

LOW BIDDERS

GOVERNMENT ISLAND, Oakland—Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco, at $328,000 submitted low bid to the U. S. Coast Guard, Washington, D. C., for the construction of a steel sheet pile bulkhead, approximately 1528 feet in length; boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island, Oakland.

Bodenhamer Constr. Co., 354 Hobart St., Oakland, at $336,000 submitted second low bid; third, Ben C. Gerwick, Inc., 112 Market St., San Francisco, at $337,115.

SANTA BARBARA CO — CONSTRUCTING BRIDGES — (STATE)

SANTA BARBARA COUNTY, Cal.—Lynch-Cannon Engineering Co., 5658 Wilshire Blvd., Los Angeles, at $44,439 submitted low bid to the State Highway Commission, Sacramento, for construction of two bridges across Mission Creek, one near Figueroa St., consisting of one 38-ft. steel beam span on concrete piers with pile foundations, two 19-ft. 6-in. timber stringer spans and two 19-ft. timber stringer spans on pile bents and the other, near Michelltorena Street, consisting of one 40-ft. steel beam span on concrete pier, two 19-ft. timber stringer spans and two 19-ft. 6-in. timber stringer spans on concrete bents, involving:
(1) 1,325 cu. yds. struc. excav.;
(2) 4480 lin. ft. furnish redwood piles including test piles;
(3) 138 each driving redwood piles, including test piles;
(4) 62 MFBM redwood timber bent select all-heart struc. grade;
(5) 59 MFBM redwood timber select all-heart struc. grade;
(6) 376 lin. ft. timber rail;
(7) 1165 cu. yds. Class A Port. cem. concrete;
(8) 101,000 lbs. bar reinf. steel;
(9) 135,500 lbs. struc. steel;
(10) 1 lot misc. items of work.

Complete bids follow:
(A) Lynch-Cannon Eng. Co., Los Angeles, $44,439.
(B) Weymouth Cowell Co., Los Angeles, $45,293.
(C) Jerome K. Doolan, Pasadena, $45,694.
(D) Sharp & Fellows Constr. Co., Los Angeles, $47,262.05.
(E) R. R. Bishop, Long Beach, $47,919.50.
(F) Geo. Hess, Los Angeles, $48,483.80
(G) Silveria & Robbins, Ventura, $49,294.
(H) Oscar Oberg, Los Angeles, $50,519.20.
(I) Theodore A. Beyer, Los Angeles, $50,712.60.
(J) Bodenhamear Constr. Co., Oakland, $51,400.50.
(K) C. Bongiovanni, Hollywood, $51,677.95.
(L) J. E. Haddock, Pasadena, $57,186.30.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)	$ 1.00	$ .60	$ 2.00	$ 1.25	$ .40	$ 2.00	$ 1.00	$ .90	$ 1.20	$ 1.50	$ 1.52	$ 1.50
(2)	.40	.44	.40	.455	.50	.50	.50	.46	.46	.40	.49	.44
(3)	15.50	15.00	12.00	15.00	8.00	14.00	20.00	21.00	20.00	20.00	7.00	17.00
(4)	80.00	90.00	75.00	86.60	90.00	89.00	81.50	81.45	99.00	89.00	92.00	95.00
(5)	70.00	81.00	65.00	74.50	90.00	95.00	82.30	85.50	95.00	89.00	88.00	95.00
(6)	3.00	4.00	3.00	3.40	2.00	3.80	4.45	5.50	3.30	3.00	3.25	5.35
(7)	15.50	13.60	15.00	16.30	18.00	15.00	17.25	17.70	16.00	17.00	15.40	20.00
(8)	.04	.043	.044	.04	.039	.04	.049	.04	.0435	.046	.0425	.045
(9)	.045	.0566	.054	.05	.05	.05	.049	.05	.0575	.056	.06	.065
(10)	750.00	716.00	725.00	600.00	700.00	800.00	500.00	750.00	573.00	1000.00	3999.00	700.00

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Building and Engineering News

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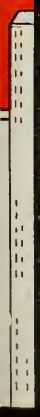

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MARCH 10, 1934

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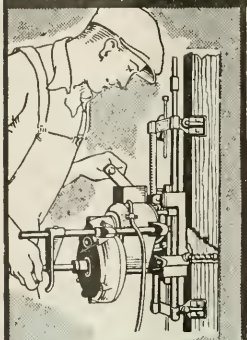

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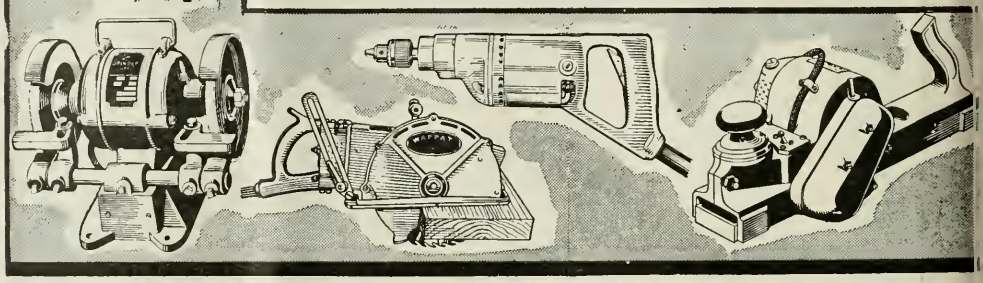

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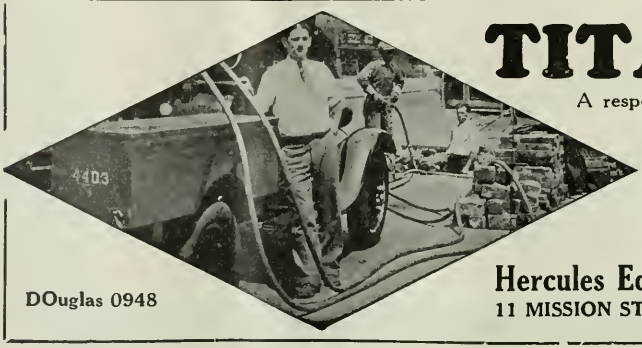

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PACIFIC CONSTRUCTOR

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Vol. XVII SAN FRANCISCO, CALIF, MARCH 10, 1934 No. 10

S. F. Conference March 16 to Form General Contractors' Code Agency

All highway and heavy engineering contractors in Northern California will be called to a meeting in San Francisco to be held next Friday evening, March 16, for the purpose of forming a Code Authority under provisions of the NRA General Contractors Code of Fair Competition. Directors of Northern California Chapter, Associated General Contractors, acting as sponsors of the code, called the meeting yesterday.

The conference here will select administrative committees for highway contractors' subdivision and for the heavy engineering and railroad contractors' subdivision. A similar committee for the building contractors will be selected at a conference to be called at a later date. Floyd O. Booe, secretary-manager of the A.G.C. chapter, announced. The date of the meeting for the building contractors will be set probably within the next few days.

Three sub-divisions of the general contractors' Code Authority are established by Chapter II of the Construction Industry Basic Code. Each group will formulate regulations governing itself.

The code provides that each subdivision shall appoint such committee or agency necessary to discharge its functions; cooperate in investigating complaints, compile trade reports, recommend rules for industrial regulation, prescribe bidding rules, settle controversies so far as possible, cooperate with the Divisional Code Authority in registering construction contracts.

"The necessity for an immediate organization of local code authorities and committees is emphasized in communications from Washington," Mr. Booe said. "Officials there advise us that the NRA is prepared to call for full enforcement of the Construction Code provisions on all public works bidding as soon as the General Contractors' Code becomes effective, March 19.

"Unless California contractors are prepared to comply with these provisions it may mean a cessation of public works lettings at a season when awards should be increasing steadily. Public officials are not going to risk having their programs interrupted by complaints of non-compliance with code provisions.

"They will hesitate to proceed until a properly constituted authority is functioning which will guarantee compliance of bidders with the national code. For this reason the Associated General Contractors are calling into conference all general contractors in the state north of Kern and San Luis Obispo counties at the earliest possible date. It is essential that every general contractor who is qualified to bid on highway or heavy engineering construction attend this meeting. Committees must be appointed to administer the code in each of these groups and every individual contractor must understand what his obligations are under the code."

The meeting will be held at the Palace Hotel in San Francisco, starting with a dinner at 7 o'clock. R. D. Watson will preside. More than five hundred contractors listed in the State Directory of Licensed Contractors will receive invitations to attend.

Because of the much larger number of Building Contractors, a separate conference of this group will be necessary. This meeting will be arranged as soon as possible, Mr. Booe said.

BUREAU OPENS BIDS ON TWO NEVADA JOBS

$228,193 Total of Low Offers On Federal Highway Contracts

Low bids on two Clark county, Nevada, federal highway contracts opened yesterday by the District Engineer, C. H. Sweetser, for the U. S. Bureau of Public Roads, San Francisco, totaled $228,193.

Morrison-Kundsen Co., at $177,522 submitted the low bid for grading and surfacing 17.6 miles comprising Section A of Federal Lands Project No. 7 on the Charleston Park road. The engineers' estimate was $170,961.

E. L. Yeager, San Bernardino, at $50,671 submitted the low bid on grading Section A, Route 11, of the Mt. Charleston highway. The engineers' estimate was $49,659.

Complete total bids for the Federal Lands project follow. (Unit prices in Advance Report section):

Morrison-Knudsen Co., L. A.	$177,522
Central State Contr., Oakland	179,729
Isbell Const. Co., Carson City	190,315
Gist & Bell and Pearson and Dickerson, Arcadia	193,191
Dodge Const. Co., Fallon, Nev.	201,252
Olof Nelson, Logan, Utah	201,391
Gibbons & Reed, Burbank, Cal.	229,810
R. E. Campbell, Los Angeles	233,964

Complete total bids for the Forest Highway project follow. (Unit prices in Advance Report section):

E. L. Yeager, San Bernardino	$50,671
Isbell Const. Co., Carson City	59,901
Olof Nelson, Logan, Utah	60,351
R. E. Campbell, Los Angeles	61,562
Central States Contr. Co., Oakland	62,144
W. H. Honser, Oakland	62,885
Morrison-Kundsen Co., L. A.	74,259
Dodge Const. Co., Fallon, Nev.	75,131
Wheelwright Const. Co., Ogden	77,070
Gist & Bell and Pearson and Dickerson, Arcadia, Cal.	83,903

An illustrated 28-page bulletin describing welding equipment and applications of welding in the construction fields has been published by the Westinghouse Electric and Manufacturing Company.

COAST PERMITS GAIN 66% OVER FEBRUARY 1933

Industrial and Commercial Building Increases Month's Total

Building permits issued in 95 cities and counties of the Pacific Coast during February totalled $5,413,203, a gain of 66 percent approximately over the total of $3,364,192 reported for the corresponding month of 1933, according to official reports from building department inspectors to Daily Pacific Builder.

The same group of cities reported 5,097 permits issued in the past month compared with 3,870 permits in February, 1933.

The increase in value of work is due principally to industrial and commercial building and alterations. There is a moderate increase in residential permits, but the volume continues far below normal.

Permits issued by the city of Oakland for a group of buildings comprising the new plant of Standard Brands, Inc., with an estimated expenditure of $300,000 placed this city second in rank among coast cities for the month. Los Angeles is first and San Francisco third.

Fifteen cities on the Pacific Coast reporting highest building permit totals for February, ranked according to value of permits issued, follow:

	Permits	Value
Los Angeles	1210	$990,185
Oakland	194	516,592
San Francisco	319	492,802
San Diego	175	372,164
Long Beach	251	168,395
Bakersfield	42	157,495
Portland	252	151,140
Seattle	231	149,095
San Jose	54	141,920
Spokane	92	133,041
Vancouver	5	121,575
Fresno	108	116,576
Santa Monica	36	109,360
Vernon	....	103,025
Beverly Hills	34	100,900
San Marino	12	98,717

New orders booked during the fourth quarter of 1933, as reported to the Bureau of the Census by 78 manufacturers of electrical goods, were $88,765,448, as compared with $98,768,057, for the third quarter of $1933, and $62,911,874 for the 4th quarter of 1932.

OPEN BIDS FOR WYOMING CANAL

CASPER, Wyo., March 7. — Low bids on the three schedules for earthwork, tunnels and structures of the Casper Canal, Station O to Station 190, Casper-Alcova project, were submitted as follows:

Utah Const. Co., Ogden, at $225,990 for canal headworks structure and Tunnel No. 1 (Schedule 1);

J. A. Terteling Sons, Boise, at $89,965 for earthwork and structures, (Schedule 2);

Edward Peterson, Omaha, at $293,465 for Tunnel No. 2 (Schedule 3).

COULEE DAM PLANS READY NEXT MONTH

Contract on Principal Structure To Be Advertised In April

A contract for construction of the main dam at Grand Coulee will be advertised about April 1, according to a statement issued by Jas. O'Sullivan, secretary of the Columbia Basin Commission, Spokane.

Mr. O'Sullivan's statement was based on information from S. O. Harper, acting chief engineer of the U. S. Reclamation Service.

"Excavation of the overburden will be completed ahead of schedule," Harper said, "and specifications are completed covering the construction of piers for the highway bridge across the Columbia. The state highway department is completing plans for the bridge superstructure and we expect to call bids for the bridge superstructure at an early date.

"Specifications are also now being completed for the grading for the highway and railway from the head of Grand Coulee to the government townsite and for streets in the townsite, and these will be issued soon.

"The general design of the main dam appears now to be determined and we are expediting the work on the drawings and specifications to issue them for bids by April 1.

"The dam will be a gravity section with its top elevation 1116. A small portion of the downstream toe of the high dam to elevation 935 feet (low water in river) will be included to serve as a cofferdam for the completion of the high dam.

CITY PLANS DISPOSAL OF SCHOOL BONDS

Reallocation of PWA Funds Expected to Clear Way For all Projects

San Francisco Board of Supervisors has authorized a petition to the Public Works Administration for a grant of 30 percent of the cost of labor and materials for new school buildings financed by the $3,000,000 bond issue voted at the last election.

A similar petition will be filed for a grant on construction of the high pressure system on which $2,000,000 in bonds was voted.

The city will stipulate that the money granted may be deducted from the present allocation of $14,937,000 loan and grant to other municipal projects. With the improved market for municipal bonds it is believed the city can dispose of all bond issues voted for improvements without requiring the entire amount from the Federal government.

Col. H. M. Waite, deputy public works administrator, indicated to city officials during his visit here that such a proposal would be acceptable to the administration.

Controller Leonard S. Leavy and City Attorney John J. O'Toole will go to Washington to complete negotiations for the PWA funds.

Vote March 12 On $83,700 Bonds For Sewage Plant

A bond issue of $83,700 for financing a new sewage treatment plant at Carmel will be submitted March 12 to voters of the Carmel Sanitary District. The district will apply to the Federal government for a thirty-percent grant of the cost if the bonds are approved.

Clyde C. Kennedy, San Francisco consulting engineer, has prepared preliminary plans for the project.

The proposed plant is designed for a capacity of 500,000 gallons daily. It will be located on the south side of the Carmel river, requiring construction of a 100-foot pipe line crossing the river. A discharge pipe line for carrying the effluent into the ocean, a distance of about three thousand feet from the plant site, may be constructed.

Willard Whitney is chairman of the district directors, and A. T. Shand, secretary.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
No.	Owner	Contractor	Amt.
109	Stagnaro	Bisio	6500
110	Prima	Owner	2000
111	Turner	McSheehy	1131
112	Butcher	Dawson	3500
113	Sesnon	Dinwiddie	15000
114	Lurie	Schupert	1000
115	R C Archbishop	Coburn	1650
116	Lurie	Milton	1000
117	Seibert	Burt	1200
118	Hansen	Jacks	4000
119	Fridstrom	Owner	2750
120	Chuck	Owner	3000
121	Kaiser	Papenhausen	9000
122	Johnson	Johnson	8000
123	Danielson	Burt	1400
124	Delta	Todhunter	1000
125	Bank	Owner	1600
126	Shannon	Owner	3500
127	Golden	Owner	1000

DWELLING
(109) SE GREENWICH AND JONES Two-story frame dwelling.
Owner—L. Stagnaro, 991 Greenwich St., San Francisco.
Architect—Not Given.
Contractor—Joseph Bisio, 227 Brazil St., San Francisco. $6500

ALTERATIONS
(110) SW NINETEENTH AND TENnessee Sts. Alter building for winery.
Owner — Prima Vista Wine Co., 731 Bryant St., San Francisco.
Architect — Martin Rist, 944 Phelan Bldg., San Francisco. $2000

ALTERATIONS
(111) NO. 2626 VALLEJO. Alter dwelling.
Owner—Mrs. J. W. Turner, Premises.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace, S. F. $1131

ALTERATIONS
(112) SE FIFTEENTH AND VERMont Sts. Alter office and warehouse.
Owner—L. H. Butcher Co., 272 Brannan St., San Francisco.
Architect—H. C. Baumann, 257 Kearny St., San Francsico.
Contractor—J. Dawson, 658 46th Ave., San Francisco. $3500

ALTERATIONS
(113) SW FIRST AND JESSIE STS. Alter warehouse.
Owner—Sesnon Realty Co., 58 Sutter St., San Francisco.
Engineer—Dinwiddie Constr. Co., 1101 Crocker Bldg., San Francisco.
Contractor — Dinwiddie Constr. Co., 1101 Crocker Bldg., $15,000

STATION
(114) MISSION AND OTIS STS. One-story Class C gas station.
Owner—The Lurie Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—R. C. Schupert, Park Blvd., Oakland. $1000

ALTERATIONS
(115) ELLIS ST., bet. Franklin and Gough Sts. Alter school.
Owner—Roman Catholic Archbishop, % Contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $1650

SERVICE STATION
(116) GORE COR. MISSION and Otis; one-story Class C service station.
Owner—The Lurie Co., 333 Montgomery Street.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor—M. B. Milton, 589 Haddon Road, Oakland. $1000

ALTERATIONS
(117) 501 PACIFIC; alter store.
Owner—Elizabeth Seibert, 1242 La Playa.
Architect—Not Given.
Contractor—V. L. Burt, 2487 24th Ave. $1200

STORE
(118) S JEFFERSON 100 E Taylor; one-story frame store.
Owner—Geo. Hansen, % architect.
Architect—S. Heiman, 605 Market St.
Contractor—Jacks & Irvine, 74 New Montgomery St. $4000

DWELLING
(119) W LYELL 75 N Cayuga; one-story and basement frame dwelling.
Owner—W. Fridstrom, 3547 Mission.
Architect—Not Given. $2750

STORE
(120) N GALVEZ ST. 50 E Coleman. Two-story and basement frame store and flat.
Owner—Lincoln Chuck, 656 Jackson St., San Francisco.
Architect—Not Given. $3000

DWELLING
(121) E SAN BUENAVENTURA Way 90 S St. Francis Blvd. Two-story and basement frame dwlg.
Owner—Mr. & Mrs. Leland M. Kaiser
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor — H. Pappenhausen, 595 Victoria St., S. F. $9000

WAREHOUSE
(122) SW NINTH ST. 125 N Bryant. One-story and mezzanine Class C warehouse.
Owner—Walter C. Johnson, % Architect.
Architect—Dodge A. Reidy, 821 Market St., San Francisco.
Engineer—Felix Spitzer.
Contractor—Louis Johnson, 666 Mission St., San Francisco. $8000

ALTERATIONS
(123) 51 EDDY ST. Alter store.
Owner—Edward Danielson, Premises.
Architect—Not Given.
Contractor—V. L. Burt, 2487 24th Ave., San Francisco. $1400

REPAIRS
(124) NO. 330 PARNASSUS AVE. Repair fire damage to dwelling.
Owner—Delta Sigma, Delta Zeta Chapter, Premises.
Architect—Not Given.
Contractor — G. C. Todhunter, 1088 Ashbury St., S. F. $1000

ALTERATIONS
(125) NO. 458 MONTGOMERY ST. Alter office.
Owner—Bank of America N. T. and S. A., 1 Powell St., San Francisco.
Architect—Capital Co., 625 Market St., San Francisco. $1600

DWELLING
(126) NE PUTNAM and Jarboe; one-story and basement frame dwelling with sub-basement.
Owner—Frank Shannon, 100 Putnam.
Architect—Not Given. $3500

STORE ROOM
(127) E HARRISON 50 N 17th St.; one-story frame store room.
Owner—Golden Gate Atlas Materials Co., 2625 16th St.
Architect—Not Given. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
88	Livingston	Owner	4800
89	Capelini	Ghighotti	6000
90	St. Andrews	Owner	1000
91	Nettleton	Owner	1200
92	Continental	Austin	2000
93	Alchieri	Strong	2585
94	Bossola	Faramia	3900
95	Moore	Parks	1800
96	Reagan	DuPuy	9700

DWELLING
(88) NO. 1144 EUCLID AVE., **BERKELEY.** Two-story 6-room frame dwelling and garage.
Owner—Wm. Livingston, 1152 Euclid Ave., Berkeley.
Architect—H. A. Schoening, Balovich Bldg., San Mateo. $4800

RESIDENCE
(89) NO. 1746 LEIMERT BLVD., **OAKLAND.** Two-story 8-room residence.
Owner—J. Capelini, 450 60th St., Oakland.
Architect—Not Given.
Contractor — Andrew Ghighotti, 5509 Telegraph Ave., Oakland. $6000

(90) 3647 MAGEE AVE., **OAKLAND;** alterations.
Owner and Builder—St. Andrews M. E. Church, 3521 Kansas St., Oakland.
Architect—Not Given. $1000

ADDITION
(91) 3531 GALINDO ST., **OAKLAND;** addition.
Owner and Builder—S. A. Nettleton, 2307 Stuart St., Berkeley.
Architect—Not Given. $1200

ADDITION
(92) NO. 5701 RUSSETT ST., **OAKLAND.** Addition.
Owner—Continental Can Co., Prem.
Architect—Not Given.
Contractor—Austin Co. of Calif., 719 Ray Bldg., Oakland. $2000

DWELLING
(93) NO. 2800 KITCHNER COURT, **OAKLAND.** One-story 4-room dwelling and one-story garage.
Owner—F. & M. Alchieri, Wood St., Alameda.
Architect—Not Given.
Contractor — L. Strong, 429 Haight Ave., Alameda. $2585

DWELLING
(94) NO. 5204 GROVE ST., **OAKLAND.** One-story 4-room dwelling.
Owner—Guiseppe Bossola, 4710 West St., Oakland.
Architect—Not Given.
Contractor—John Faramia, 927 Madison St., Albany. $3900

ADDITIONS
(95) NO. 752 SAN DIEGO ROAD, **BERKELEY.** Additions.
Owner—James Moore, Premises.
Architect—Not Given.
Contractor—R. F. Parks, 1046 Peralta Ave., Berkeley. $1800

DWELLING
(96) 25 OAKVALE AVE., **BERKELEY** Two-story 9-room frame dwelling and double garage.

Owner—F. J. Reagan, 16 Brookside St., Berkeley.
Architect—Houghton Sawyer, Oakland
Contractor—Fred K. DuPuy, 57 Tunnel Road, Berkeley. $9700

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
12	Ada ms	Beckett	2786
25	Kaiser	Papenhausen	10172
26	Valley	Ross	7900
27	Hagerty	Peterson	4435

ADDITIONS
(12) 27 HARDWICK AVE., Piedmont. All work for additions and alterations to two-story and basement frome dwelling.
Owner—Jessie Fox Adams, Piedmont.
Architect—Wm. E. Milwain, 1503 Oakland St., Oakland.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.
Filed March 1, '34. Dated Feb. 27, '34.
Frame completed $696.50
Plastered and rough plumbing in place 696.50
When completed 696.50
Usual 35 days..... 696.50
TOTAL COST, $2786.00
Bond, $2786. Surety, General Casualty Co of America. Limit, 43 days. Forfeit, none. Plans and specifications filed.

DWELLING
(25) S 23 FEET LOT 2 AND N 27 feet Lot 3 Blk 15, Map St. Francis Wood Extn. No. 1. All work for two-story frame and plaster dwelling with detached garage.
Owner—Kathleen H. Kaiser.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—Henry Papenhausen, 595 Victoria St., San Francisco.
Filed Mar. 5, '34. Dated Mar. 3, '34.
Completion and acceptance of frame 25%
Brown coat plaster on..... 25%
Upon completion 25%
Usual 35 days..... 25%
TOTAL COST, $10,172
Bond, $5086. Surety, C. W. Higgins and Robert Postler. Limit, forfeit, none. Plans and specifications filed.

OFFICE & WAREHOUSE
(26) NW FOURTH AND BRANNAN Sts. All work for office and warehouse.
Owner—Valley Motor Lines, Inc., 941 16th St., San Francisco.
Architect—Not Given.
Contractor—D. W. Ross, 1440 15th Ave., San Francisco.
Filed Mar. 5, '34. Dated Feb. 19, '34.
Erection of frame work.....$1975
Brown coat plaster on..... 1975
Upon completion 1975
Usutl 35 days..... 1975
TOTAL COST, $7900
Bond, $4000. Sureties, Denis O'Connora and A. C. Armstrong. Limit, forfeit, none. Specifications only filed.

SERVICE STATION
(27) SW IRVING ST. and 39th Ave. S 50 x W 95 OL 711; one-story steel service station.
Owner—Alice C. Hagerty, 1127 Masonic Avenue.
Architect—Not Given.
Contractor—C. Norman Peterson, 1211 E 34th St., Oakland.
Filed March 7, '34. Dated Feb. 26, '34.
When steel bldg. is erected.....$1500
Completed and accepted..... 1500
Usual 35 days..... 1435
TOTAL COST, $4435
Bond, $4435. Sureties, American Employers' Insurance Co. of Boston. Limit, 40 days. Plans and Spec. filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
25	College	Scott	5245
14	Union	Independent	2826

PLUMBING
(25) CHABOT RD., Oakland; plumbing work for college.
Owner—College of St. Albert-the-Great
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—The Scott Co., 243 Minna St., San Francisco.
Filed, Mar. 2, '34. Dated, Mar. 1, '34.
Tenth of each month.....75%
Completion & Acceptance.....25%
TOTAL COST, $5245.00
Bond, $3000. Sureties, Wm. P. and Peter F. Scott. Limit, 150 days. Plans and Spec. filed.

STATION
(14) FOURTEENTH AND CAMbridge Sts., Oakland. All work for service setation.
Owner—Union Service Station.
Architect—Not Given.
Contractor—Independent Iron Works, 821 Pine St., Oakland.
Filed Mar. 5, 34. Dated Feb. 26, '34.
When completed 75%
Usual 35 days..... 25%
TOTAL COST, $2826
Bond, $2119. Surety, U. S. Fidelity & Guarantee Co. Limit, forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER store, $500; 400 Vienna St.; owner, M. Maudica, Premises.
ALTER dwelling, $25; 741 Valencia St.; owner, The Neighborhood House, Premises.
ALTER store, $150; 2695 Mission St.; owner, Thomas Byrne, 1075 Dolores St.
SIGN, electric, $450; 63 5th St.; owner, Leader Dairy Lunch, Prem.
SIGN, cloth, $20; 306 Columbus Ave.; owner, Maggenti-Norzand Co., 306 Columbus Ave.; contractor, Osthoff & Co., Inc., 501 Third St.
ALTER flat, $500; 30-32 Sanchez St.; owner, Peter De Zardo, 30 Sanchez St.
ALTER dwelling, $25; 1230 Alemany; owner, Carl Jones, 1230 Alemany.
FIRE escape, $260; 2297 Laguna; owner, L. G. Guggenhime, 2297 Laguna; contractor, Patterson and Koster Iron Works, 280 13th St.
REPAIR fire damage to dwelling, $125; 2902 Bush St.; owner, Mrs. Lillian P. Davis, care 63 Brady St.; contractor, A. L. Thulin, 63 Brady.
ALTER store, $30; 4019-21 Judah St.; owner, Gus Moeller & Sons, 6200 Geary Blvd.
SIGN, electric, $250; 1238 Van Ness; owner, Colyear Motor Sales Co., 1238 Van Ness; contractor, QRS Neon Corp., Ltd., 690 Potrero.
ALTER dwelling, $180; 30 Bay View Court; owner, Mr. Le Cam, 30 Bay View Court; contractor, G. B. De Lucchi, 4 Sharp Place.
ALTER hotel, $500; 20 Sacramento St. owner, Carl Hansen, 845 Waller; contractor, Mangrum - Holbrook Co., 1235 Mission St.
FIRE wall, $400; 199 Post St.; owner, C. L. Koshland; contractor, Jacks & Irvine, 74 New Montgomery St.
ALTER store, $100; 2434 Mission St.; owner, Daniel McCarthy, 3639 19th St.; contractor, A. Blackwell.
ALTER flats, $160; 3046 Octavia St.; owner, B. Cuneo, 3046 Octavia St.; contractor S. Mazzoncini, 3020 Buchanan St.
ALTER dwelling, $100; 6 Gerch; owner, James Bacigalupi, 1834 Union; contractor, G. S. De Lucchi, 4 Sharp Place.
SIGN, electric, $150; 3123 Mission St.; owner, Greater City Lumber Co., 3123 Mission St.; contractor, QRS Neon Corp., Ltd., 690 Potrero Ave.
ALTER dwelling, $400; 93 Uranus Terrace; owner, M. J. Ryan, 1 Uranus Terrace.
ALTER store, $980; 846 Harrison St.; owner, F. Boccon, 256 8th St.
SIGN, electric, $150; 1324 Fillmore St. owner, Jim's Beauty Shop, 1324 Fillmore St.; contractor, American Elec. Sign Co., 1740 Eddy St.
ALTER dwelling, $75; 334 La Grande St.; owner, J. Franich, Prem.

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BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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3— CHURCHES

March 3, 1934

To Be Done By Day's Work.
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Cal. No. 3647 Magee Avenue.
Alterations to church.
Owner—St. Andrew M. E. Church, 3521 Kansas St., Oakland.
Architect—Not Given.

Plans To Be Prepared.
IMPROVEMENTS Cost, $50,000
CARMEL, Monterey Co., Cal. Mission Carmel.
Restoration of present Mission (work involves tile roofing, reconstruction of walls, etc.
Owner—Mission Carmel (Rev. Michael D. O'Connor, Pastor), Carmel.
Architect—To Be Selected.
Financing arrangements are now under way.

PLANS BEING FIGURED
WEST LOS ANGELES, Cal.—Architect P. P. Lewis, 1063 Westwood Blvd. West Los Angeles, has completed plans and bids are being taken by the church trustees for a church building to be built at the corner of Hilgard Ave. and Lindbrook St., West Los Angeles, for the Christian Science church. The building will seat 500 people and will be of frame and stucco construction, tile and composition roofing, cement floors carpeted, hardwood and pine trim, toilets, etc.

Low Bidder.
AUDITORIUM Cost, $——
SAN FRANCISCO. Oakdale Avenue.
One-story and mezzanine floor auditorium for All Hallows' Church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—J. J. Foley, 770 Fifth Ave.
Low Bidder—Moore and Roberts, 693 Mission Street, $21,700.

Contract Awarded.
RECTORY Cost, $5250
SOLEDAD, Monterey Co., Cal.
One-story frame rectory.
Owner — Roman Catholic Bishop of Monterey and Fresno, Soledad.
Architect—Not Given.
Contractor—J. A. Olson, Box 257, Soledad.

4— FACTORIES & WAREHOUSES

Plans Completed.
ALTERATIONS Cost, $3000
SAN FRANCISCO. SW Nineteenth and Tennessee Streets.
Alterations to brick winery.
Owner—Prima Vista Wine Co., 731 Bryant St., San Francisco.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
Bids will be asked within a few days.

Planned—Being Done By Day's Work.
ADDITION Cost, $12,000
WILLOWS, Glenn Co., Calif.
Addition to cheese factory (concrete construction, 50x40 ft.) 2-ton elevator, etc.
Owner—Rumiano Bros., Willows.
Architect—Not Given.
Work is under way under the owner's supervision.

Being Done By Day's Work.
WINERY Cost, $25,000
ROSEVILLE, Placer Co., Calif. Yosemite and Tahoe Avenues.
Group of one-story brick and hollow tile buildings for winery (storage building, 150x50 feet, fermenting bldg., 40x50 ft., storage room, 35x 50 ft., distilling bldg., 20x20 ft.; capacity of 300,000 gals.)
Owner—Livoti Bros., Tahoe St., Roseville.
Plans by Owners.
Work is being done by day's labor by local men.

March 3, 1934

Glass Contract Awarded.
COOPERAGE Cost, $50,000
FRESNO, Fresno Co., Calif.
Construct new cooperage (two one-story steel frame buildings with wood roofs).
Owner—Western Coperage Company, American Bank Bldg., Portland.
Architect—Not Given.
Contractor—Austin Co. of Calif., 1924 Broadway, Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
As previously reported, structural steel awarded to Judson-Pacific Co., foot of Park Ave., Oakland, and lumber to Sunset Lumber Co., 400 High St., Oakland.

March 3, 1934

Contract Awarded.
PACKING SHED Cost, $6000
SACRAMENTO, Sacramento Co., Cal. 2630 S Street.
Owner—Sacramento Farmers' Market.
Architect—Not Given.
Contractor—M. R. Peterson, 2628 16th St., Sacramento.

March 3, 1934

Reinforcing Steel Contract Awarded.
STOCK HOUSE Cost, $75,000
OAKLAND, Alameda Co., Cal. Seventh Street near Kirkham.
Three-story steel and concrete stock house (72x72 ft.) composition roof, concrete floors, cork insulation, tanks, etc.
Owner—Golden West Brewery Company, Premises.
Architect—A. R. Williams, Humboldt Bank Bldg., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, Call Bldg., San Francisco.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., San Francisco.
As previously reported, refrigeration awarded to York Ice Machiney Co., 234 9th St., San Francisco, and structural steel to Western Iron Works, 141 Beale St., San Francisco.

March 3, 1934

Planned.
WAREHOUSE Cost, $250,000
PORTLAND, Oregon. SW Ash St. and Water Avenue.
Construct new warehouse (machinery, etc.)
Owner—General Grocery Co. (William Heller Ehrman, Vice President), 2 N-First St., Portland.
Architect—Not Given.

March 3, 1934

Plans Being Prepared.
FACTORY Cost, $250,000
BOSTON, Massachusetts.
One and two-story glue factory (brick walls, concrete floors).
Owner—New England Chemical Industry (Pacific Bone, Coal and Fertilizer Co.)
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.

March 3, 1934

Planned.
ADDITIONS Cost, $490,000
MARTINEZ, Contra Costa Co., Calif.
Additions to chemical plant (new equipment, etc.)
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.

March 3, 1934

Plans Being Prepared.
ALTERATIONS Cost, $——
BENICIA, Solano Co., Calif.
Alterations and additions to Kullman Salz Tannery for brewery (900 barrels per day capacity).
Owner—Benicia Brewing Co., (E. L. Kepler, Gen. Mgr.) 333 Kearny St., San Francisco.
Plans by F. Sward, 333 Kearny Street, San Francisco.
It is expected to start construction in about three weeks.

Construction Started.
WINERY & DISTILLERY Cost $50,000
LODI, San Joaquin Co., Calif.
Cooperage room, 211x60; distillery to be housed in 75-ft. tower, 500,000-gallon capacity; brandy storage house, 110x67; fermenting tanks, raze old bldgs., and additions and repairs to present plant.
Owner—Roma Wine Co. (B. B. Turner, general sales manager) Lodi.
Architect—Not Given.
Work is being done by day's labor under owner's supervision.

Structural Steel Contract Awarded.
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St. 100 N Bryant Street.
One - story steel and concrete brew house.
Owner—Milwaukee Brewery Co., 490 Tenth Street.
Engineer—W. E. Murray, 908 Hayes.
Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.
As previously reported, foundation contract awarded to Cahill Bros., 206 Sansome St.; concrete to Golden Gate Atlas Materials Co., 16th and Harrison Sts.

CONTRACT AWARDED.
LOS ANGELES, Calif.—Austin Co., 777 E. Washington Blvd. awarded a contract for two-story, class A unit, 174x200 feet in area, to be added to a ractory building at 3820 Union Pacific Ave., for the Continental Can Co. The general contract includes all work except the elevator, which was awarded to the Otis Elevtaor Co. Construction will be started this week. The building will have concrete caissons and footings, concrete walls and roof, saw-tooth type roof construction, sky-

lights, structural steel, brick and filler walls, steel sash, metal-clad doors, steel rolling shutters, waterproofing materials, insulation materials, wire glass, copper gutters, louvres and screens, metal door jambs, overhead doors, cast iron wheel guards, concrete floors, electric elevator, automatic sprinkler system, drinking fountains, electric water coolers, etc. Cost $150,000. Francisco & Jacobus, New York City, architects.

Sub-Contracts Awarded.
ADDITION Cost, $25,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal. No. 20 S-Linden St.
Reinforced concrete addition to ink manufacturing plant.
Owner — George H. Morrill Co., 130 Fremont St., San Francisco.
Plans by Engineering Dept. of Owner, New York City.
Contractor — Dinwiddie Construction Co., Crocker Bldg., S. F.
Plumbing—Jas. H. Pinkerton Co., 927 Howard St., San Francisco.
Steel Rolling Doors—D. A. Pancoast Co., 26 O'Farrell St., S. F.
Glass—Cobbledick Kibbe Glass Co., 666 Howard St., San Francisco.
Structural Steel—Western Iron Wks., 141 Beale St., San Francisco.
Reinforcing Steel—Gunn-Carle & Co., 1280 Indiana St., San Francisco.
Roofing—J. W. Bender Roofing and Paving Co., 18th and Bryant Sts., San Francisco.
Lumber—South City Lumber Supply Co., South San Francisco.

Contract Awarded.
WAREHOUSE Cost, $8000
SAN FRANCISCO. Ninth St. 125 N Bryant St.
One-story and mezzanine floor Class C warehouse.
Owner—Walter C. Johnson, % Architect.
Architect—Dodge Reidy, 821 Market St., San Francisco.
Engineer—Felix Spitzer.
Contractor—Louis Johnson, 666 Mission St., San Francisco.

Contract Awarded.
OFFICE AND WAREHOUSE $——
SAN FRANCISCO. NW Fourth and Brannan Sts.
One-story frame office and warehouse building.
Owner—Valley Motor Lines, Inc., 941 16th St., San Francisco.
Architect—Not Given.
Contractor—D. W. Ross, 1440 15th Ave., San Francisco.

Contract Awarded.
WINERY Cost, $100,000
DINUBA, Tulare Co., Cal.
Construct new winery.
Owner — Closed Corporation (Names Withheld).
Architect—To Be Selected.
Contractor—G. A. Graham, 310 Alta Ave., Dinuba.
Mr. Graham desires cost information and data on cooperage and winery equipment. Further details will be announced shortly.

To Be Done By Day's Work.
REMODEL CREAMERY $2000
SAN JOSE, Santa Clara Co., Cal. No. 54 S-Second Street.
Remodel creamery (work includes tile work, new floor, etc.)
Owner—Royal Creamery, Premises.
Plans by Frank Moore, 1132 Glen Ave., San Jose.
Mgr. of Constr.—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Contract Awarded.
ADDITION Cost, $2000
OAKLAND, Alameda Co., Cal. No. 5701 Russett Street.
Addition to factory.
Owner—Continental Can Co., 5701 Russett St., Oakland.
Architect—Not Given.
Contractor—Austin Co. of Calif., Ray Bldg., Oakland.

To Be Done By Day's Work.
STORE ROOM Cost, $1500
SAN FRANCISCO. E Harrison 50 N 17th Street.
One-story frame store room.
Owner—Golden Gate Atlas Materials Co., 2625 16th Street.
Architect—Not Given.

Contract Awarded.
WAREHOUSE Cost, $8322
SAN JOSE, Santa Clara Co., Cal. Race and Moorpark Sts.
One-story warehouse (concrete foundations).
Owner—United States Products Co., Premises.
Architect—Binder & Curtis, 35 W-San Carlos Sts., San Jose.
Contractor—Summers Constr. Co., 17 N-First St., San Jose.
Contract is awarded for the foundation only, Superstructure will go forward at a later date.

Additional Sub-Contracts Awarded.
STOCK HOUSE Cost, $75,000
OAKLAND, Alameda Co., Cal. Seventh Street near Kirkham St.
Three-story steel and concrete stock house (72x72 ft.) composition roof, concrete floors, cork insulation tanks, etc.
Owner—Golden West Brewery Company, Premises.
Architect—A. R. Williams, Humboldt Bank Bldg., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, Call Bldg., San Francisco.
Refrigeration — Cyclops Iron Works, 837 Folsom St., San Francisco.
Electric—California Electric Co., Ltd., 115 12th St., Oakland.
As previously reported, reinforcing steel awarded to Gunn, Carle & Co., 20 Potrero Ave, S. F.; structural steel to Western Iron Works, 141 Beale St., San Francisco.

Specifications Being Checked.
COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif. Waterfront.
Three-story cotton compress (divided into area separated by brick firewalls, size varying from 28,000 sq. ft. to 50,000 sq. ft.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge), City Hall.
Bids will be asked in about ten days.

Completing Plans.
WAREHOUSES Cost, $——
STOCKTON, San Joaquin Co., Calif. Waterfront.
Three one-story heavy mill and brick warehouses (100x150 ft.) sprinkler system, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge), City Hall.
Bids will be asked in about thirty days.

6— GARAGES & SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, $——
SAN LEANDRO, Alameda Co., Cal. NE Cambridge Ave. and E-14th Street.
Construct steel service station (sales building, oil and greasing building).
Owner—Union Oil Co., 220 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Independent Iron Works, Ltd., 821 Pine St., Oakland.

March 3, 1934

Planned.
SERVICE STATION Cost, $12,000
MODESTO, Stanislaus Co., Cal. Ninth Street.
Service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
(3912) 6

Planned.
SERVICE STATION Cost, $12,000
SANTA CRUZ, Santa Cruz Co., Cal. Ocean and Water Streets.
Super service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engr. Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, $——
BERKELEY, Alameda Co., Cal. Sacramento and Julia Sts.
One-story brick service station.
Owner—Larkin Day, 2813 Park St., Oakland.
Architect—Not Given.
Contractor—William Holst, 2837 Park St., Oakland.

7—FEDERAL BUILDING

LOW BIDDER.
SAN DIEGO, Cal.—W. B. Melhorn, 1012 Alberta Place, San Diego, submitted the low bid to the 11th Naval District at San Diego on February 20 at $949 for the extension of provision shed roof at the Naval Operating Base (Supply Depot) San Diego; Spec. No. 7624. Recommendation was made that the contract be awarded the low bidder.

CONTRACT AWARDED
SAN FRANCISCO—Theo. Johanns, 2020 15th St., at $335 awarded contract by Public Works Officer, 12th Naval District, for plaster work and painting at Quarters No. 1, Receiving Ship, Yerba Buena Island. Specification No. 7632.
Complete bids published Feb. 23.

March 3, 1934

CONTRACT AWARDED
FORT LEWIS, Wash.—Henrickson Alstrom Constr. Co., Textile Tower, Seattle, Wash., at $168,330 awarded contract by War Department for the construction of seven one-story concrete and brick gun sheds at Fort Lewis. Buildings are all one-story faced with brick, with concrete floors, asbestos shingle roof, steel roof trusses and range in size from 160x41 feet to 338x35 feet.
Complete bids published Feb. 24.
(3638) 1st report Feb. 6; 3rd Feb. 24, 1934. 7

BIDS WANTED.
SALEM, Ore.—Until March 21, 2 P. M., bids will be received by U. S. Property and Disbursing Officer, 412 State Office Bldg., Salem, for construction of a warehouse, infirmary, bath and latrine buildings, tent floors and electric light system, painting buildings and repairing ice boxes at Camp Clatsop, Oregon.

CONTRACT AWARDED.
EDIZ HOOK, Washington—S. S. Mullen, Port Angeles, Washington, at $3,883, awarded contract by Treasury Department for the construction of a radio building and accessories at Ediz Hook, Washington. Complete bids published Feb. 20th.
(3540) 1st rep. Jan. 20, 5th, Feb. 20.

BID OPENING POSTPONED.

FRANCE FIELD, Canal Zone—Army Department, Washington, D. C., has indefinitely postponed the opening of bids for the construction of two barracks at France Field, estimated to cost $269,000. Date was previously set for bids to be opened March 5th.

CONTRACT AWARDED

SUNNYVALE, Santa Clara Co., Cal. —Clinton-Stephenson Constr. Co., 550 Montgomery St., San Francisco, at $9143 awarded contract by 12th Naval District, San Francisco, for the construction of two sentry houses and a garbage and tool building at the Naval Air Station, Sunnyvale. Specification No. 7585.

Complete bids published March 1.

BIDS WANTED

ALHAMBRA, Los Angeles Co., Cal. —Until April 6, bids will be received by Treasury Department, Washington, D. C., for the construction of a two-story reinforced concrete Post Office building to be erected on South Garfield Ave., Alhambra. John Walker Smart, 39 E. Main St., Alhambra, Architect. Estimated cost, $165,000.

March 7, 1934

BIDS WANTED

FORT STANTON, N. M. — Until Wednesday, March 28, (date postponed from March 23), bids will be received by the Treasury Department, Washington, D. C., for furnishing and installing an elevator in the U. S. Marine Hospital, Fort Stanton, N. M.

REJECTION OF BIDS RECOMMENDED

HAMILTON FIELD, Marin Co., Cal. —Construction Quartermaster, Hamilton Field, recommended to Washington that bids for the construction of the boat house at Hamilton Field be rejected. Bids ran high anr the building is not necessary at this time. Lowest bid was submitted by DeLuca & Son, 1745 Filbert Street, San Francisco, at $19,800.

COMPLETING REVISED PLANS

HAMILTON FIELD, Marin Co., Cal. —Constructing Quartermaster, Hamilton Field, is completing the revised plans for the constructoin of seven, one-story bungalow type hollow tile company officers' quarters to be erected at Hamilton Field. New bids will be asked about March 20.

8— CLUB BUILDINGS

Contract Awarded.

ALTER CLUB Cost, $200,000

SAN FRANCISCO. Post St., between Taylor and Mason Sts.

Alterations & additions to club building (addition over gymnasium, retile swimming pool, showers, new grill, enlarge cafe, cleaning front of building, decorating, carpeting, etc.)

Owner—Olympic Club, Premises.

Architect—Douglas Stone, 110 Sutter St., San Francisco.

Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.

Construction will start shortly.

Planned.

HALL Cost, $3000

HEALDSBURG, Sonoma Co., Cal.

One-story community hall.

Owner—Windsor Grange.

Architect—Not Selected.

Building committee consists of Chas. Harris, Chas. Leslie and D. Bondini.

Contract Awarded.

ADDITION Cost, $——

SAN FRANCISCO. California and Mason Streets.

One-story steel and concrete addition to club building for card room (32 by 50 feet).

Owner—Pacific Union Club, Premises

Architect—George Kelham, 315 Montgomery St., San Francisco.

Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Bid Opening Date Postponed Until March 17, 2 P. M.

MASONIC HALL. Cost, $40,000

VISALIA, Tulare Co., Cal. S Locust Street and Mineral King Ave.

Two-story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen, small stage, etc.)

Owner—Masonic Temple Assn.

Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.

Prospective bidderse previously published.

AWARD

SAN DIEGO, Cal.—J. C. Moore, 3705 Newton Ave., San Diego, awarded contract for addition to lodge building at 733 Eighth Ave., San Diego, for San Diego Aerie of Eagles, No. 244; Dr. O. V. Kaiser, chairman of the building committee. The addition will be a two-story, reinforced concrete structure, 44x94 feet in area and will cost approximately $25,000. Associated Architects John S. Siebert, Watts Bldg., and William H. Wheeler, 2151 Guy St., San Diego, prepared plans for the building.

Contract Awarded.

ALTERATIONS Cost, $3000

SACRAMENTO, Sacramento Co., Cal. 514 W Street.

Alterations to lodge building.

Owner—O. D. E. S. Hall Association.

Architect—Not Given.

Contractor—M. Furtado, 1715 X St., Sacramento.

9— HOSPITALS

Construction Under Way.

NURSES HOME Cost, $——

REDWOOD CITY, San Mateo Co., Cal. Canyon Sanitarium.

One and one-half-story frame and stucco nurses' home, Spanish style tile roof, etc.

Owner—Canyon Sanitarium (Dr. Ralph B. Scheier, Hillsborough, Owner).

Architect—Not Given.

Mgr. of Constr.—Mr. Magni, Prem.

BIDS OPENED

HOSPITAL Cost, $——

REDDING, Shasta Co., Cal.

Two-story reinforced concrete hospital (24x36 ft) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.

Owner—County of Shasta.

Architect—Otto Deichmann, 110 Sutter St., San Francisco.

Complete bids follow:

General Work

N. H. Sjoberg & Son, Call Bldg., San Frencisco, $53,971.

C. L. Wold Co., San Francisco, $54,-377.

H. L. Petersen, San Francisco, $55,-000.

Willam Spivock, San Francisco, $56,-339.

J. P. Brennan, Redding, $57,500.

Campbel Constr. Co., Sacramento, $58,-448.

F. H. Betz & J. M. Yoho, Sacramento, $60,536.

James L. McLaughlin Co., San Francisco, $63,433.

San Francisco Constr. Co., San Francisco, $64,436.

Electric

Cox Electric Co., Red Bluff, $4970.

American Electric Co., San Francisco, $5889.

Luppen & Hawley, Inc., Sacramento, $6153.

George C. Foss, Sacramento, $6267.

Lee T. Pence Radio & Electric Co., Redding, $6523.07.

Campbell Constr. Co., Sacramento, general contract plus electric, $63,988; electric only, $6580.

Central Electric Co., San Francisco, $6680.

Lynn Heffernan, San Francisco, $7270.29.

Scott Buttner Electric Co., San Francisco, $7406.60.

Eddy Electric Co., Stockton, $10,809.

Plumbing

Scott Co., 243 Minna St., San Francisco, $7100.

Carpenter & Mendenhall, Sacramento, $7286.

Hateley & Hateley, Sacramento, $7717.

Woodland Plumbing & Hardware Co., Woodland, $7818.

Luppen & Hawley, Inc., Sacramento, $7976.

W. H. Pickard Co., Oakland, $7983 (no certified check inclosed).

Frederick W. Snook Co., San Francisco, $8155.

Heating and Ventilating

Hateley & Hateley, 1710 10th St., Sacramento, $8824.

Carpenter & Mendenhall, Sacramento, $8680.

Thomas J. Kennedy, Martinez, $9173.

Frederick W. Snook Co., San Francisco, $9384.

Luppen & Hawley, Inc., Sacramento, $9500.

Scott Company, San Francisco, $9695

Woodland Plumbing & Hardware Co., Woodland, $9779.

Frederick W. Snook Co., San Francisco, $9854. (Cancelled by later bid).

M. J. Reeves Heating Co., $9963.

W. H. Pickard, Inc., $10,166.24. (No certified check inclosed).

Pacific Heating & Ventilating Co., Oakland, $10,300.

Plumbing, Heating & Ventilating

Hateley & Hateley, Sacramento, $16,-481.

Woodland Heating & Ventilating Co., Woodland, $16,997.

Recommendation has been made to PWA that contract for general work be awarded to N. H. Sjoberg, San Francisco, at $55,100; plumbing, to Scott Co., San Francisco, at $12,284; heating and ventilating to Carpenter & Mendenhall Sacramento, at $8680; electrical work to Cox Electrical Co., Redding, at $4970.

Additional Prospective Bidders.

FORT STANTON, New Mexico—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on March 14 for the construction of main hospital building, laundry and power plant at the U. S. Marine Hospital, Fort Stanton, New Mexico:

A. Smith & Co., -00 N. La Salle St., Chicago.

Sill Constr. Co., 520 N. Michigan Ave., Chicago.

Olson Constr. Co., 410 S. 7th St., Lincoln, Neb.

Mead & Mount Constr. Co., Denver National Bldg., Denver, Colo.

H. H. Shell & Son, Box 2337, Lubbock, Texas.

Harry B. Friedman, Ft. Worth, Tex.

Welton Builders, Santa Fe, New Mexico.

Robt. E. McKee, 1900 Texas St., El Paso, Texas.

Coath & Goss, 228 N. LaSalle St., Chicago.

Jas. Devault, Massillon Rd., Canton, Ohio.

Kaplan-McGowan Co., Franklin.

American Trust Bldg., St. Louis.

Previous list published Feb. 1.

10— HOTELS

Additional Sub-Contracts Awarded.
ADDITION Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1800 Madison Street.
Steel and concrete dining room addition to Lake Meritt Hotel.
Owner—Lake Merritt Hotel (A. Wallace Smith, Mgr.), Oakland.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor — Lindgren & Swinerton, Inc., 1723 Webster St., Oakland.
Concrete—Ed. Doty & Son, 2059 Webster St., Oakland.
Composition Roofing—General Roofing Co., 3985 Beach St., Oakland.
Glass—W. P. Fuller & Co., 259 Tenth St., Oakland.

Preliminary Sketches Prepared.
HOTEL Cost, $100,000
COULEE CITY, Wash. Grand Coulee Dam Site.
Four-story frame and stucco hotel (90x 150 ft); 60 hotel rooms, lounge rooms, shops, dinning room ,coffee shop, etc.
Owner—Dan S. Gamble, % Architect.
Architect—Warren H. Milner, Haight Bldg., Seattle, Wash.

11—ICE AND COLD STORAGE PLANTS

Contract Awarded.
ICE HOUSE Cost, $3000
FRESNO, Fresno Co., Calif. 3670 Belmont Street.
Ice house.
Owner—L. B. Morain.
Architect—Not Given.
Contractor—A. Jorgensen, 3728 Washington St., Fresno.

12— POWER PLANTS

BOND ELECTION
YUMA, Ariz.—An election will be held March 30 to vote on a $300,000 bond issue for the purpose of acquiring and constructing an electric light and power plant, power lines and distributing system within the City of Yuma.
R. I. Winn, city recorder.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Project Cancelled.
CITY HALL AND FIRE STATION Cost, $47,888
PORTERVILLE, Tulare County, Cal.
Two-story reinforced concrete city hall (55x80 ft.) tile roof, steel cells, offices, etc.; one - story reinforced concrete fire station (32x75 ft.)
Owner—City of Porterville.
Architect—W. D. Coates, Rowell Bldg. Fresno.
(3705) 1st report Feb. 9; 3rd, Feb. 27, 1934. 13

PREPARING PLANS.
SAN DIEGO, Calif.—Draftsmen employed by the Civil Works Administration in San Diego are preparing plans for the proposed $1,000,000 city-county office building to be erected on the waterfront civic center site in San Diego. Financing is planned either with Federal aid, a bond issue, or by both means.

Bond Election
LIBRARY Cost, $250,000
BAKERSFIELD, Kern Co., Cal. Seventeenth and K Streets.
Two-story and basement reinforced concrete library bldg. (main floor will have reading rooms, lobby, order departments, stack rooms, etc., and second floor will have exhibition room, display room, staff room, storage stack rooms).
Owner—County of Kern.
Architect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.
An election is being held on April 24 at which time bonds will be voted to finance construction.

14— RESIDENCES

To Be Done By Day's Work. ....
RESIDENCE Cost, $4500
SAN FRANCISCO. NE Putnam and Jarboe Streets.
One - story, basement and sub-basement frame and stucco residence.
Owner and Builder—Frank Shannon, 100 Putnam Street.
Plans by Owner. 14

Plans Being Prepared.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal. Leimert Boulevard.
Two-story and basement frame and stucco residence (8 rooms and 3 baths); tile roof, tiled baths, gas heating system, hardwood floors, etc.
Owner and Builder—George Smith, % Mr. Johnson.
Architect — Irwin M. Johnson, 2215 Seventh Ave., Oakland.

Plans Completed.
RESIDENCE Cost, $5000
KENSINGTON COURT, Contra Costa Co., Cal.
One-story and basement frame residence (5 rooms); shake roof, shake exterior, brick veneer base, knotting pine, plywood, gas heating system, etc.
Owner—George Matteson.
Plans by Irwin M. Johnson, 2215 7th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5500
SACRAMENTO, Sacramento Co., Cal. No. 417 Thirty-third St.
Two-story frame and stucco residence (7 rooms).
Owner—Anton Holly, 2408 29th St., Sacramento.
Architect—Not Given.
Contractor—F. C. Stabenau, 3241 6th Ave., Sacramento.

Contract Awarded.
ADDITIONS Cost, $2786
PIEDMONT, Alameda Co., Cal. No. 27 Hardwick Avenue.
Additions to two-story and basement frame residence.
Owner—Jessie Fox Adams, Piedmont.
Architect—W. E. Milwain, 1503 Oakland St., Oakland.
Contractor—A. J. Beckett, 224 Scenic Ave., Piedmont.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 1144 Euclid Avenue.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—W. M. Livingston 1152 Euclid Ave., Berkeley.
Plans by H. A. Schoening, % Owner.

Contract Awarded.
RESIDENCE Cost, $7000
SAN FRANCISCO. SE Greenwich and Jones Street.
Two-story and basement frame and stucco residence.
Owner—L. Stagnaro, 991 Greenwich St., San Francisco.
Architect—Not Given.
Contractor—Joseph Bisio, 227 Brazil St., San Francisco.

Venetian Blind Contract Awarded.
ALTERATIONS. Cont. Price, $53,200
HILLSBOROUGH, San Mateo Co., Cal. Easton Drive.
Alterations and additions to two-story and basement frame residence (add rooms, new plumbing, heating, wiring, mill work, etc.)
Owner—Paul I. Fagan, Hillsborough.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Chas. Stockholm & Sons, Russ Bldg., San Francisco.
Venetian Blinds—E. C. Dehn, Hearst Bldg., San Francisco.
Other awards previously reported.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 3757 Elston Avenue.
One - story and basement frame and stucco residence (Spanish style; 6 rooms, 2 baths, part tile and part composition roof, gas heating system, hardwood floors, etc.)
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.
Sub-bids are being taken on plastering, cement work, painting, and other items, except lumber.

Contract Awarded.
RESIDENCE Cost, $4033
SAN RAFAEL, Marin Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Catherin Zollner, San Rafael.
Architect—Not Given.
Contractor—Peppin & Johnson, 332 23rd St., Richmond.

Preparing Sketches.
RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Cal Margarido Drive, Rockridge District.
Two-story and basement frame and stucco residence (8 rooms and 3 baths); tile roof, gas heating system, oak floors, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $5000
SACRAMENTO, Sacramento Co., Cal. No. 1125 Vallejo Way.
One-story and basement frame and stucco residence (6 rooms).
Owner—R. H. Bell.
Architect—Not Given.
Contractor—F. H. Bell, 1306 36th St., Sacramento.

Preparing Sketches.
RESIDENCE Cost, $8000
BERKELEY, Alameda Co., Cal.—Arlington Villa Site.
Two-story frame, stucco and brick veneer residence (6 rooms and 2 baths); steel sash, gas heating system, shake roof, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN MATEO, San Mateo Co., Calif. Baywood Park, N Franklin St. 115 W Parrott Drive.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) Spanish style, tile roof, hardwood floors, tiled baths, etc.
Owner—Mr. & Mrs. Arthur P. Shapro, Russ Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Charle Hammer, 1524 Floribunda, Burlingame.

Sub-Contracts Awarded.
RESIDENCES Cost, $2,000 each
OAKLAND, Alameda Co., Calif. 6116 and 6124 Merriewood Drive.
Two one-story frame and stucco residences (one 4-room and one 5-room, with garages).
Owner — Syndicate Merriewood Company, American Bank Bldg., Oakland.

Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Plumbing—J. R. Pierce Plbg. Co., 7109 E 14th St., Oakland.
Lumber—Smith Lbr. Co. of Oakland, foot of 19th Ave., Oakland.
Mill Work—Atkinson Mill & Mfg. Co., 2985 Chapman, Oakland.
Plastering—Arthur Moore, 526 57th St. Oakland.
Concrete—Triberti & Massero, 957 38th St., Oakland.

Construction To Start In Ten Days.
RESIDENCES Cost, $1600-$2200
SAN CARLOS, San Mateo Co., Calif.
Five one - story frame residences (3- and 4-room).
Owner and Builders—Consolidated Development Co., 544 Market St., San Francisco.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Electric and plumbing bids will be taken shortly.

To Be Done By Days Work.
DWELLING Cost, $7000
FRESNO, Fresno Co., Cal. 1561 Echo Street.
Two-story frame and stucco residence and garage.
Owner and Builder—Taylor-Wheeler Inc., Power Co. Bldg., Fresno.

To Be Done By Day's Work.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal. No. 1250 Hamilton Avenue.
Two-story and basement frame and brick veneer residence.
Owner and Builder—W. F. Klay, 124 University Ave., Palo Alto.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, $4000
SAN MATEO, San Mateo Co., Cal. W. Poplar Avenue.
One-story and basement frame and stucco residence.
Owner—A. Alpect, 322 W. Bellevue St., San Mateo.
Architect—Not Given.
Contractor—Gordon Hess, 1446 Burlingame Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, $13,500
LOS ALTOS, Santa Clara Co., Calif.
One - story and basement frame and stucco residence (7 rooms and 3 baths) shakes roof, oil burning heating system, oak floors, tiled baths, etc.
Owner—Withheld.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Axel Cederborg, 1455 Excelsor Blvd., Oakland.

Plans Being Figured.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two - story and basement frame and stucco residence (10 rooms).
Owner—Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Architect—William K. Stickland, 1278 Sunnyhills Road, Piedmont.
Following have procured plans:
A. Cederborg, 1045 Excelsior Bldv., Oakland.
F. C. Stolte, 3455 Laguna Avenue, Oakland.
E. A. Latham, 2871 Hopkins Street, Oakland.

Plans Being Prepared.
RESIDENCE Cost, $6500
BERKELEY, Alameda Co., Cal. Claremont Pines.
One-story and basement frame and stucco residence.
Owner—A. Charles (Charles Beauty Salon), 3200½ Telegraph Avenue, Berkeley.
Architect—Andrew P. Hills Jr. Venice

Contract Awarded.
RESIDENCE Cost, $30,000
BEVERLY HILLS, Los Angeles Co.
Two-story and basement frame and brick veneer residence (12 rooms and 5 baths) unit gas heating system, hardwood floors and trim, tiled baths, etc.
Owner—Mrs. Floyd Bekins.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—Wm. C. Warmington, 9435 Santa Monica Blvd., Beverly Hills.

CONTRACT AWARDED
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY, Alameda Co., Cal. Arlington Villa Site.
Alterations and additions to residence.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—H. B. Parks, 1046 Peralta Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $10,172
SAN FRANCISCO. E Buenaventura Way 90 S St. Francis Blvd.
Two-story and basement frame and stucco residence (7 rooms and 3 baths); tile roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—Mrs. Kathleen H. Kaiser.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—Henry Papenhausen, 595 Victoria St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4174 Lyman Road.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Plans by Owner.
Concrete—Manuel Medis, 2427 Scenic Ave., Oakland.
Lumber—Bay City Lumber Co., 48th Ave. and E-12th St., Oakland.
Chimney Mantel—Morgan Bros., 1712 79th Ave., Oakland.
Roofing—M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Plastering—Clifton Davidson, 811 St. Marys Ave., Oakland.
Plumbing—F. L. Krieg, 2422 Coolidge Ave., Oakland.
Electric Wiring — E. L. Reed, 3515 Porter St., Oakland.
Sewer—John White, 3214 E-12th St., Oakland.
Heating and Sheet Metal Work—California Furnace Co., 4801 E-14th St., Oakland.
Window Frames—C. W. Carman, 1740 E-21st St., Oakland.

Contract Awarded.
RESIDENCE Cost, $6500
SAN JOSE, Santa Clara Co., Cal. No. 32 Ayer Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—C. T. Arthur, 18 Norton Ave., San Jose.
Architect—Not Given.
Contractor—Wm. H. Schwartz, 521 S-Eighth St., San Jose.

Preparing Sketches.
RESIDENCE Cost, $5000
SUNNYVALE, Santa Clara Co., Cal.
One-story frame and rustic residence.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. No. 615 N. 16th Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—Al. Cancilla, 776½ N. 13th St., San Jose.
Architect—Not Given.
Contractor—V. J. Sonzeri, 176 N. 31st St., San Jose.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 5204 Grove Street.
One - story and basement frame and stucco residence (4 rooms).
Owner—Guiseppe Bossola, 4710 West St., Oakland.
Architect—Not Given.
Contractor—John Faramia, 827 Madison St., Albany.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 2800 Kitchner Court.
One-story and basement frame and stucco residence (4 rooms).
Owner—F. and M. Alchierl, Wood St., Alameda.
Architect—Not Given.
Contractor — L. Strong, 429 Haight Ave., Alameda.

15— SCHOOLS

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architect Arlos R. Sedgley, 910 N. Serrano Ave., to prepare plans for rehabilitating, reconstructing and strenthening the main brick building, the annex and building No. 3 at the Manchester Avenue School Site, 661 W. 87th St. Holmes & Narver, 639 S. Spring St., are structural engineers. Estimated cost, $133,560.

PLANNED.
GILROY, Santa Clara Co., Calif.—Architect W. H. Weeks, 525 Market St., San Francisco, has been commissioned by the Gilroy School District, to inspect the Gilroy High School and report on necessary improvements and reinforcements.

Plans Awaiting Approval.
REPAIR SCHOOL Cost, $114,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (Interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Plans have been forwarded to Sacramento for approval.

Bids Wanted—To Close March 21, 2:30 P. M.
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer—H. J Brunnier, Sharon Bldg., San Francisco.
Plans and specifications available from Room 251, City Hall, upon deposit of $10.
A penalty of $25 per day will be charged for each day work is uncompleted after specified time.

Plans Awaiting Approval.
ADDITION Cost, $8500
CHOWCHILLA, Medera Co., Cal.
One-story concrete addition to high school (add music room); tile roof.
Owner—Chowchilla Union High School District (Mrs. G. W. Hier, Clerk).
Architect — Howard Bissell, 327 E-Channel St., Stockton.
Plans have been forwarded to Sacramento for approval.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Architects John and Donald B. Parkinson, 808 Title Insurance Bldg., commissioned by the Los Angelees Board of Education to prepare plans and specifications for a new 79-unit classroom building; new auditorium to seat 1800 persons; new cafeteria building to seat 400; new study hall to seat 300; new study hall to seat 150; new shop building; girls' gymnasium building; and boys' gymnasium building to be erected at Manual Arts High School, 4131 S Vermont Avenue. Cost, $942,480.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education commissioned Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg., to prepare preliminary engineering plans and specifications for reconstructing, rehabilitating and strengthening the main and auditorium building, classroom building, shop, gymnasium and boys' physical education building at the John Burroughs Junior High School, 600 S. McCadden Place. Cost, $217,056.

PRELIMINARY PLANS APPROVED.

TORRANCE, Los Angeles Co., Cal. Los Angeles board of education has approved the prelimiary architectural drawings prepared by Architects Wm. Richards and Wesley Eager, 802 Architects' Bldg., Los Angeles, for reconstructing, rehabilitating, strengthening at the Torrance high school, Carson and Watson Sts., Torrance. R. McC. Beanfield, structural engineer 615 Chamber of Commerce Bldg., Los Angeles. Cost, $128,099.

BOND ELECTION.

BURBANK, Los Angeles Co., Cal.—Burbank city council has called an election for April 3 at which time it is proposed to vote bonds in the sum of $212,000 to be used for the purchase of the Edison school buildings and grounds for use as a civic center. Of the total, $200,000 would be turned over to the board of education for reconstructing Burbank schools to conform to the new state building code. Elementary schools scheduled for repairs are Joaquin Miller, Luther Burbank, Emerson, Edison, Lincoln, McKinley, Washington and Roosevelt. J. C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

TO BE DONE BY DAY'S WORK

BERKELEY, Alameda Co., Cal.—The Berkeley Board of Education has ordered improvements consisting of bracing roofs, strengthening partitions and closing top floors, to be made to the following schools. Work will be done by day's labor by owner's own forces.

Franklin School, San Pablo Ave. and Virginia St., $500.
Franklin School (Manual training shop), $150.
Le Conte School, 2235 Russell St., $800
Whittier School, 1640 Milvia St. (Main building and manual training shop), $750.
McKinley School, 2419 Dwight Way (Main building), $500.
McKinley School (Manual training shop), $700.
Berkeley High School, Allston Way and Grove St. (shop), $550.
Berkeley High School (shop), $245.

Sub-Contracts Awarded.

HOUSE OF STUDIES
Cost Approx., $80,000
OAKLAND, Alameda Co., Cal. Chabot Road and College Avenue.
Three-story and basement Class A house of studies.
Owner — College of Saint Albert-the-Great (Dominican House of Studies), Steiner and Bush Sts., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor — John Snyder, Petaluma and Oakland.
Ornamental and Miscellaneous Iron—Patterson & Koster Iron Works, 280 13th St., San Francisco.
Cast Stone—J. Chiantaretto, 324 Lincoln Ave., Alameda.
Windows—Soule Steel Co., 1750 Army St., San Francisco.
Plumbing and Heating—Scott Co., 113 Tenth St., Oakland.

Plans Awaiting Approval.

SCHOOL Cost, $9000
CRESCENT CITY, Del Norte Co., Cal.
One - story school building (log construction; 2 classrooms).
Owner—Gasquet School District.
Architect—Norman Coulter, 46 Kearny St., San Francisco.
Plans have been forwarded to Sacramento for approval. Work is to be done by day's labor under the CWA.

Sub-Contracts Awarded.

ADDITION Cont. Price, $10,327
SALINAS, Monterey Co., Cal.
Two-room addition to Lincoln School building (frame and stucco construction) and alterations to Roosevelt School.
Owner—Lincoln School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor — Sam Trodhjem, 45 Geil St., Salinas.
Concrete—Granite Constr. Co., Salinas
Mill Work—Stockton Electric Planing Mill, Stockton.
Plumbing, Sheet and Metal Work—Phillips Heating & Plumbing Co., Salinas.
Electric—Rodeo Electric Co., Salinas
Roofing and Tiling—C. L. Frost, Minterey.
Reinforcement and Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Blackboards — Corry Metal Screens, San Francisco.
Window Hardware—Universal Window Co., 950 Parker St., Berkeley
Hardware — Central Hardware Co., Salinas.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Machine Bolts and Anchor Straps—Kortick Mfg. Co., 335 1st St., San Francisco.
Window Shades—L. Lion & Sons Co., Second and San Fernando Sts., San Jose.
Lumber—Getty's Lumber Co., Santa Cruz.
Painting—Sorensen & Siegelken, Salinas.
Flooring—E. G. Finn Hardwood Floor Co., Watsonville.

TO PREPARE PLANS

LOS ANGELES, Calif. — Architect W. E. Erks, 1211 Rives-Strong Bldg., has been commissioned by the Los Angeles board of education to prepare architectural plans for reconstructing, rehabilitating and strengthening the main building at the 118th St. school, 144 E 118th St. Cost, $89,040. F. N. Ropp, 1014 Edison Bldg., structural engineer.

Contract Awarded.

ALTER SCHOOL. Cost, $2000
SAN FRANCISCO. Ellis Street, bet. Franklin and Gough Sts.
Alterations to school building.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.

PREPARING PLANS

LOS ANGELES, Cal.—Architect E. L. Talor, 1128 Citizens National Bank Bldg., has been commissioned by the Los Angeles Board of Education to prepare plans for the necessary architectural work in connection with the reconstruction of the main building at Eastman Street School, 1200 S. Eastman St. Estimated cost $86,464. L. A. Parker, 804 Architects' Bldg., structural engineer.

Plans Completed.

SHOWER ROOM Cost$20,000
CHICO, Butte Co., Calif.
One-story concrete girl's shower room.
Owner—Chico High School District.
Architect—Chester, Cole, Chico, Cali.
Work will be done by day's labor under the CWA.

BOND ELECTION.

SANTA YNEZ VALLEY, Santa Barbara Co., Calif.—Santa Ynez Valley Union High School District will hold an election March 17 when the voters will decide whether or not they will abandon the present high school and build a new plant. Should the vote favor a new plant it will be necessary to call another election to vote bonds. The construction of a reinforced concrete building to cost approximately $125,000 is proposed. E. Keith Lockard, 117 East dela Guerra, Santa Barbara, architect.

PLANS APPROVED.

ANAHEIM, L. A. Co., Calif.—Anaheim board of education has approved plans prepared by Architects T. C. Kistner & Co., 814 Architects Bldg., Los Angeles, for a two-story frame and stucco administration and auditorium building at the Anaheim high school. The board proposes removal of the condemned administration and auditorium building and moving back on the campus of the English and Commercial buildings. It is proposed submitting a new bond issue of $275,000 for vote if it is indicated that a loan may be obtained from the R. F. C. The bonds were previously defeated at an election held December 18.

PREPARING PLANS

LOS ANGELES, Cal. — Architect Carleton M. Winslow, 1001 Architects' Bldg., has been commissioned by the Los Angeles Board of Education to prepare plans for the necessary architectural work in connection with the reconstruction of West, East and South buildings at the Miramonte School. Cost, $138,880.

PREPARING PLANS

LOS ANGELES, Cal. — Architects Myron Hunt and H. C. Chambers, 408 S. Spring St., have been authorized by the Los Angeles Board of Education to proceed with plans for the erection of a 13-unit new building at the Western Avenue school, 1755 W. 54th St. Cost, $87,360.

PREPARING PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer W. M. Bostock, 6723 Passaic St., Huntington Park, to prepare engineering plans for reconstructing, rehabilitating and strengthening the main building at the Soto Street School. Cost, $83,104.

TO PREPARE PLANS.

EL MONTE, Los Angeles Co., Cal.—Architect A. L. Worswick; W. F. Mellin, associate, 419 W. Main St., El Monte, have been authorized by the El Monte Union High School District to prepare plans for a proposed new 16-classroom building to be erected on the high school site in El Monte at an estimated cost of $80,000. Application

will be made for CWA funds to finance the building.

PREPARING PLANS

LOS ANGELES, Cal. — Architect Theodore R. Jacobs, 364 N. Avenue 53, has been authorized by the Los Angeles Board of Education to proceed with plans for the erection of a 13-unit new building at the Florence Avenue School, 1904 E. Florence Ave. Cost, $87,360.

PREPARING PLANS.

LONG BEACH, Los Angeles Co., Calif.—Architects Glenn Miller and C. Hugh Gibbs, 601 Kress Bldg., Long Beach, are preparing working plans for rebuilding the Fremont school at 4th St. and Termino Ave., Long Beach, for the Long Beach board of education. The structure will contain 14 class rooms, office and library. Construction will be of frame and stucco, tile and composition roofing, maple floors, gas radiators, toilets, etc. The building will be constructed on the foundation of the old building and salvaged materials will be used. The masonry auditorium will be rebuilt of steel frame and concrete walls. Laurence J. Waller, 257 S. Berendo St., Los Angeles, is the structural engineer. $100,000 appropriated.

PREPARING PLANS.

LOS ANGELES, Calif.—Los Angeles board of education has commissioned Structural Engineer C. J. Derrick, 458 S. Spring St., to prepare engineering plans for reconstructing, rehabilitating, and strengthening the new brick building at the Rowan Avenue school site. Cost $80,640.

Sub-Contracts Awaraded.

ADDITION..... Cont. Price, $27,740
AVENAL, Kings Co., Cal.
Brick addition to elementary school building (3 classrooms, basement with cafeteria and lunch room, etc.)
Owner—Reef - Sunset School Dist. (C. B. Kimberlin, Clerk).
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
Brick Work—Fred Smith, 3810 Dwight St., Fresno.
Lumber—Coalinga Kettleman Lumber Co., Coalinga.
Cement—Central Lumber Co., Hanford
Mill Work—Hollenbeck Bush Planing Mill, Van Ness Ave. and Lorena St., Fresno.
Reinforcing Steel—Kyle & Co., 346 G St., Fresno.
Wiring and Clocks—Byron Stephenson Hanford.
Roofing—Valley Lumber Co., Hanford
Plumbing, Heating and Sheet Metal—Barretts-Hicks Co., 1031 Broadway, Fresno.

TO PREPARE PLANS.

LOS ANGELES, Calif.—Architects John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg. have been commissioned by the Los Angeles board of education to prepare architectural and engineering plans for reconstruction work at the Venice High school, Venice and Walgrove Aves., Venice. The architects will employ licensed structural engineers acceptable to the board. The work will include: auditorium building, boys' gymnasium building, girls' gymnasium building, shop building, and mechanical arts building, less 2nd story. Cost $169,523. 15

PREPARING WORKING DRAWINGS.

LOS ANGELES, Calif.—Architects John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., have been authorized by the Los Angeles board of education to proceed with working drawings for the erection of 53 ⅔ new units and study hall to seat 300 persons at the Venice High school, Venice and Walgrove Aves., Venice. Cost $392,000.

COMPLETING PLANS.

LOS ANGELES, Calif.—Structural Engineer C. G. DeSwarte, room 505, 811 W. 7th St., is completing engineering plans for reconstructing, repairing and reinforcing the Wadsworth Street school, for the Los Angeles board of education. The brick walls of one building will be removed and reinforced and the other building will be constructed of steel studs and gunite exterior walls. Rea & Garstang, architects, 907 Pacific Southwest Bank Bldg., will prepare the architectural plans. Cost $88,007.

PREPARING PLANS.

LOS ANGELES, Calif.—Architect Thomas Franklin Power, 1414 N. Fuller Ave., has been commissioned by the Los Angeles board of education to prepare plans for the necessary architectural work in connection with the reconstruction, rehabilitation and strengthening of the main building at the Budlong Avenue school, 5940 S. Budlong Ave. Estimated cost $89,040. Holmes & Narver, 639 S. Spring St., structural engineers.

PREPARING PLANS.

LOS ANGELES, Calif.—Architect Samuel E. Lunden, 400 Rowan Bldg., has been commissioned by Los Angeles board of education to prepare plans for the necessary architectural work in connection with reconstructing the Main, South, Domestic Science, Shops Nos. 1 and 2, Physical Education and colonnades and arcades at the James A. Foshay Junior high school. Cost $228,648. Laurance J. Waller, 257 S. Berendo St., structural engineer.

Preparing Working Drawings.

SCHOOL Cost, $60,000
WOODBRIDGE, San Joaquin Co., Cal.
One-story frame and stucco school building (6 classrooms and auditorium).
Owner — Woodbridge Elementary School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about sixty days.

Plans Being Prepared.

ADDITION Cost, $57,000
GRIDLEY, Butte Co., Cal.
Addition to elementary school (add eight classrooms) concrete walls, Class C construction).
Owner — Wilson Elementary School District (E. S. Hayward, Board of Education).
Architect—George Sellon, California State Lifs Bldg., Sacramento.
An election is being held on March 30 to vote bonds in the amount of $44,000 to finance construction. It is hoped to receive a grant of 30% from the government.

SEEK FEDERAL AID

SANTA ANA, Orange Co., Cal.—Santa Ana Board of Education has applied to the Public Works Administration for a loan of $139,797 to finance the reconstruction of high school buildings in Santa Ana. Allison & Allison, Edison Bldg., Los Angeles, architects.

PLANNED

SEATTLE, Wash. — University of Washington is contemplating the construction of a women's dormitory, infirmary and power plant extension at the University of Washington Campus. Application will be filed with the Public Works Administration for funds in the amount of $687,500 to finance construction.

PREPARING PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer Murray Erick, 811 W. 7th St., to prepare engineering plans for reconstructing, rehabilitating and strengthening the main brick building at the Micheltorena Street School. Cost, $97,440.

PREPARING PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Structural Engineer William Mellema, 1661½ Beverly Blvd., to prepare engineering plans for rehabilitating, reconstructing and strengthening the main building at the Second Street school site. Cost, $99,512.

Plans Awaiting Approval.

REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert St., bet. Jones and Taylor Streets.
Repairs and re-construction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Final plans have been forwarded to Sacramento for approval.

Completing Preliminary Plans.

REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

COMMISSIONED TO PREPARE PLANS

NORTH HOLLYWOOD, Los Angeles Co., Cal.—Los Angeles Board of Education has commissioned Structural Engineer C. J. Derrick, 2021 Kennilworth Ave. to prepare preliminary plans and specifications for reconstructing, rehabilitating and strengthening unit No. 1 less second story, and units No. 2 and No. 3 at the Lankershim Elementary School, 5250 Bakman St., North Hollywood. Cost, $64,680.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif. — Architects Marsh, Smith & Powell and Structural Engineer D. D. Smith, Architects' Bldg., have completed preliminary plans for the architectural and engineering work for reconstructing and strengthening the buildings at Jefferson high school site and have been authorized by the board of education to proceed with the preparations. Cost, $427,548.

PRELIMINARY PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education approved preliminary plans and has instructed architects to proceed with working plans for the following schools:

Naples elementary school and north wing of Horace Mann school; Watson L. Hawk, architect, 376 Newport Ave., Los Angeles.

Administration building; Earle R. Bobbe, architect, 315 Heartwell Bldg., Los Angeles.

PLANS COMPLETE

ONTARIO, San Bernardino Co., Cal.—Architect H. L. Pierce, 1443 Mount Pleasant St., Los Angeles, has completed working drawings for new school buildings on Central school site in Ontario. CWA has approved application of school board for grant of material and labor. Two classroom units are to be built at this time, a third classroom unit within a year

and the fourth unit, an auditorium, after the first three units are completed. Reinforced concrete walls, wood construction, wood interior partitions. Cost, $85,000.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Calif. — Architect Sumner Spaulding, California Bank Bldg., Beverly Hills, commissioned by Los Angeles board of education to prepare plans and specifications for a new 13-unit building replacement at the Canoga Park elementary school, 21921 Valerio St., Canoga Park. Cost, $89,360.

CONTRACT AWARDED

SAN FRANCISCO.—Asbestos Company of California, 475 Stevenson St., at $349.00 awarded contract by Department of Public Works for covering hot air ducts in the basement of the Frank McCoppin School with asbestos paper. Ducts to be covered with two layers of ¼-inch corrugated asbestos paper, wire and finished with 6-oz. canvas sewed in place. Complete bids published January 25.

16—BANKS, STORES AND OFFICES

March 8, 1934

CONTRACT AWARDED

VERNON, Los Angeles Co., Calif.—L. E. Dixon Co., 609 S Grand Ave., Los Angeles, awarded a contract for strengthening and remodeling 2-story brick building at 5201 Santa Fe Ave., Vernon, for General Electric Realty Co. Work involves applying steel lattice work and concrete veneer to the exterior and the installation of steel channels on the interior. Cost, $31,000. G. B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect.

16

To Be Done By Day's Work.

STORE AND FLAT Cost, $4000
SAN FRANCISCO. N Galvez St. 50 E Coleman St.
Two-story frame and stucco store and flat building.
Owner—Lincoln Chuck, 656 Jackson St., San Francisco.
Architect—Not Given.

BIDS OPENED

SAN FRANCISCO—McCormick Supply Co., 461 Market St., at $325 submitted low bid to Department of Public Works, City Hall, for acoustical treatment of the meeting room of the Board of Education. Work involves acoustical tile to be acoustic-celotex cane fibre tile, type triple B-1, 1.2-in. thick, 12x12-in., Sanecoustic tile. Complete bids follow:

McCormick Supply Co.	$325
Acoustical Engineering Co.	645
Western Asbestos Mfg. Co.	655
Van Arsdale Lumber Co.	717
Wayland Co.	850

Bids for this work were previously opened February 23, at which time McCormick Supply Co. submitted low bid at $350.

To Take New Bids.

STORE Cost, $15,000
VALLEJO, Solano Co., Cal. Sonoma Street near Georgia Street.
Two-story brick, terra cotta and cement store with steel columns and beams (five stores) tar and gravel and part hand-made tile roof.
Owner—Thomas B. Jones, Vallejo.
Architect—F. H. Slocombe, 3330 Harrison St., Berkeley.
As previously reported carpentry contract awarded to Tillman Olson, 514 Hichborn St., Vallejo.

Planned.

ALTERATIONS Cost, $8000
WOODLAND, Yolo Co., Cal.
Alterations to bank building.
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.
Bank of America recently purchased the Bank of Yolo at Woodland and plan to make extensive alterations.

Additional Sub-Contracts Awarded.

ALTERATIONS Cost, $30,000
OAKLAND, Alameda Co., Calif. 1311 Washington Street.
Alterations to store building.
Owner—Zukors Dress Shop, premises.
Architect—McClelland & Jones, Seattle.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Tile—Superior Tile Co., 3743 Broadway, Oakland.
Cabinet Work—S. Kulchar, 731 E 10th St., Oakland.
Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.
Concrete—Melrose Building Materials Co., 4501 Tidewater, Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.
Sign Work—Oakland Sign Co., 452 25th St., Oakland.
Plastering—J. Rinaldi, 836 52nd St., Oakland.
Marble—Eisele & Dondero, 2895 Third St., San Francisco.
Heating and Ventilating—Yager Sheet Metal Works, 3521 Chestnut St., Oakland.
As previously reported, glass contract awarded to East Bay Glass Co., 621 6th St., Oakland; mill work to Lannom Bros. Mfg. Co., 5th and Magnolia, Oakland; electric to Canyon Electric Company.

Contract Awarded.

ALTER STORE Cost, $1500
SAN FRANCISCO. 501 Pacific St.
Alterations to store buiding.
Owner—Elizabeth Seibert, 1242 La Playa.
Architect—Not Given.
Contractor—V. L. Burt, 2487 24th Ave.

Contract Awarded.

ALTER RESIDENCE Cost, $——
SAN FRANCISCO. SW Kearny and Jackson Streets.
Alterations to two-story brick building (new front, tile work, ornamental cast cement, etc.)
Owner—A. Esmiol.
Architect—Fabre and Hildebrand, 110 Sutter Street.
Contractor—DeLuca & Son, 1745 Filbert Street.

Contract Awarded.

ALTER BLDG. Cost, $——
SAN FRANCISCO. SW Taraval St. and 25th Ave.
Alterations to store building.
Owner—F. Trachsler.
Architect—Fabre and Hildebrand, 110 Sutter Street.
Lessee—MacMarr Company.
Contractor—DeLuca & Son, 1745 Filbert Street.

Contract Awarded.

ALTERATIONS Cost, $——
SAN FRANCISCO. No. 415 Jackson Street.
Alterations to two-story brick loft building.
Owner—Allen & Company.
Architect — Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—V. Filippis, 269 24th Ave., San Francisco.
Construction will not start for at least three weeks.

Sub-Contracts Awarded.

BAKERY Cont. Price, $19,300
SAN FRANCISCO. NE Powell and Francisco Streets.
One-story concrete bakery.
Owner—Venetian Bakery.
Architect — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor—MacDonald & Kahn, Financial Center Bldg., Oakland.
Electric—Chas. Langlais, 472 Tehama St., San Francisco.
Lumber—Roth Maier, 2800 Third St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Contract Awarded.

ALTER BLDG. Cost, $——
SAN FRANCISCO. SW Taraval St. and 25th Avenue.
Alterations to store building.
Owner—F. Trachsler.
Architect — Fabre & Hildebrand, 110 Sutter St., San Francisco.
Contractor—John Pereira, 1601 20th Ave., San Francisco.
Contract was previously reported as being awarded to DeLuca & Son, which was in error.

Contract Awarded.

STORE Cost, $7500
SAN FRANCISCO. S Jefferson St. 100 E Taylor St.
One-story and mezzanine floor frame and stucco store building (37.6x 70 feet); flat roof, metal window bars, wood floors, etc.
Owner—Lachman Bros.
Architect—S. Helman, 605 Market St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St., San Francisco.

Prospective Bidders.

OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. No. 374 W. Santa Clara Street.
Two-story reinforced concrete office building.
Owner—San Jose Water Co. (H Seymour Kittredge, President, 372 W. Santa Clara Ct., San Jose.
Architect—Binder & Curtis, 35 W. Santa Clara St., San Jose.
Following have procured plans:
F. O. Bohnett, Campbell.
J. D. Carlsen, 1331 Sierra St., San Jose.
H. A. Bridges, San Jose.
Wm. Caldwell, 1241 Hedding St., San Jose.
Frank Edmans, 1398 Lincoln Ave., San Jose.
Guy M. Latta, 157 Rhodes Court, San Jose.
John Newell, San Jose.
W. J. Ocha, American Trust Bldg., San Jose.
John M. Scherle, 77 Hollywood Ave., San Jose.
Summers Constr. Co., 17 N-First St., San Jose.
Carl N. Swensen, 355 Stockton Ave., San Jose.
Chas. Thomas, 127 Clayton Ave., San Jose.
No definite date has been set for opening bids.

Plans Being Completed.

STORE Cost, $12,000
SAN FRANCISCO. NE Chestnut and Avila Streets.
One-story Class C reinforced concrete store building (65x47 ft.); tar and gravel roof, concrete and wood floors, decorative tile work, etc.
Owner — Martin Stelling, 155 Montgomery St., San Francisco.
Architect—Francis Lloyd, 360 Pine St., San Francisco.

Contract Awarded.

ALTER OFFICE, ETC. Cost, $5000
SAN FRANCISCO. SE Fifteenth and Vermont Streets.

Alterations in warehouse for offices partition work, wood baseboards, wall board above, etc.)
Owner—L. H. Butcher Co., 272 Brannan St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—J. Dawson, 658 46th Ave., San Francisco.

To Be Done By Day's Work.
OFFICES Cost, $2000
BURLINGAME, San Mateo Co., Cal. 1150 Industrial Avenue.
One-story Class C office building.
Owner—J. B. Oswald, 760 El Cerrito Ave., Burlingame.
Architect—Not Given.

Completing Plans.
ALTER STORES Cost, $35,000
SALINAS, Monterey Co., Cal. No 343-355 Main Street.
Alterations to one-story steel and concrete building (150 ft. frontage), eight stories).
Owner—A. Balich, San Juan Road, Salinis.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Bids will be asked in about two weeks.

Sub-Contracts Awarded.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. First and Jessie Streets.
Alterations and additions to three-story concrete loft building (install new elevator, interior work, etc.)
Owner—Sesnon Realty Co., 58 Sutter St., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.
Sandblasting—J. A. Mohr & Son, 832 Folsom St., San Francisco.
Plumbing and Heating — James H. Pinkerton Co., 927 Howard St., San Francisco.
Electric—Kuchel & Sievers Electric Works, Ltd., 468 5th St., S. F.
Plastering—Wm. Makin, 2141 Livingston St., Oakland.

To Be Done By Day's Work.
ALTER OFFICES Cost, $2000
SAN FRANCISCO. No. 458 Montgomery Street.
Alterations to offices.
Owner—Bank of America, N. T. and S. A., 1 Powell St., S. F.
Plans by Eng. Dept. of Owner, 625 Market St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $15,000
SANTA CRUZ, Santa Cruz Co., Cal. Vine and Church Streets.
One-story frame and stucco office building (tile roof, steel sash, concrete floors, interphoning system, etc.; 56x60 feet). Five offices.
Owner and Builder — Hamilton & Church, Santa Cruz.
Plans by Owner.
Lessees — Drs. M. J. Gates; M. McPherson and Jay M. Gates.

17— THEATRES

PLANNED.
PALO ALTO, Santa Clara Co., Cal. —University of Stanford is considering the erection of a memorial theatre on the campus of the University. One plan is to use the $170,000 war memorial fund to assist financing of a $300,000 hall and auditorium and the other plan is to remodel the assembly hall and install a new stage, etc. Further details will be announced at a later date.

Contract Awarded.
ALTERATIONS Cost, $15,000
STOCKTON, San Joaquin Co., Calif. 518-24 E Main Street.
Remodel threatre building.
Owners—Joe Restano, Joe and G. B. Gottelli, 16 Union St., Stockton.
Architect—Not Given.
Larkin St., San Francisco.
Contractor—G. B. Pasqualetti, 2330

18— WHARVES & DOCKS

BIDS WANTED
VALLEJO, Solano Co., Cal.—Until March 15, 11 A. M., bids will be received by the Vallejo City Council for repairs and reconstruction of a portion of the Virginia Street Wharf, involving:
(1) 2100 lin. ft. creosoted timber piling in place;
(2) 2000 lbs. drift pins and bolts;
(3) 100 lbs. cast iron washers;
(4) 5000 ft. BM new timber for caps and sub-caps;
(5) 50 M.F.B.M. new lumber for all other purposes;
(6) 5 M.F.B.M. re-claimed lumber for caps and sub-caps;
(7) 4 M. F. B. M. re-claimed lumber for all other purposes;
(8) Miscellaneous work, wrecking and rebuilding.
Plans on file with City Clerk, and available from City Engineer, D. P. Kilkenny; $5 deposit.

Plans Being Completed.
WHARF, ETC. Cost, $900,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf, transit sheds, extension to railroad construction, etc.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge), City Hall..
Bids will be asked in about thirty days.

PROSPECTIVE BIDDERS
VALLEJO, Solano Co., Cal.—Following have procured plans for the purpose of submitting bids to the Vallejo city council on March 15, 11 A. M., for the reconstruction of a portion of the Virginia Street wharf:
A. W. Kitchen, 110 Market St., San Francisco.
Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.
Ben C. Gerwick, 112 Market Street, San Francisco.
W. B. McGowan, 74 New Montgomery St., San Francisco.
Bundesen & Lauritzen, P. O. Box 395, Pittsburg.

19—MISC. CONSTRUCTION

BIDS WANTED
CONCORD, Contra Costa Co., Cal. —Until March 16, 8 P. M., bids will be received by Nina Eldred Bancroft, Clerk, Mt. Diablo Union High School District, High School Bldg., Concord, for construction of wooden bleachers at the athletic field at Mt. Diablo Union High School. Plans and specifications available from above office upon deposit of $10.

BID OPENING POSTPONED UNTIL MARCH 15th.
SAN DIEGO, Cal.—Until March 15 (date postponed from March 8) bids will be received by Public Works Officer, 11th Naval District, San Diego, for landing float at Naval Operating Base(Supply Depot) San Diego; Spec. No. 7625. Work involves provisions of materials for and the construction of one timber flot approximately 32 feet wide and 50 feet long; delivery of float to Government Navy pier, Supply Depot, foot of Broadway. Government will provide mooring and place the float. Plans and specifications available from above office upon deposit of $10.

PLASTERING BIDS WANTED
SUNNYVALE, Santa Clara Co., Cal. —Clinton-Stephenson Constr. Co., 550 Montgomery St., San Francisco, is taking plastering bids for the construction of two sentry houses and a garbage and tool building at the Naval Air Station, Sunnyvale. Specification No. 7585.

PLANNED
HOLLISTER, San Benito Co., Cal. —City of Hollister is contemplating constructing a lighted baseball diamond in Line St. and College Ave. Plans call for bleachers, 19 light standards with 24,000 watts, 60 feet high. Funds will be raised through public subscription.

CONTRACT AWARDED
STOCKTON, San Joaquin Co., Cal. —Ecker Bros., 17 W. Poplar Street, Stockton, at $2754 awarded contract by San Joaquin County Supervisors for the construction of a frame and stucco abatoir to be erected at the San Joaquin General Hospital, Stockton, Ralph Morrell, 1519 N. Commerce St., Stockton, Architect.
Complete bids published March 6.

BOND ELECTION
WILLOW GLEN, Santa Clara Co., Cal.—City of Willow Glen will hold an election on April 9 at which time bonds in the amount of $20,000 will be voted to finance construction of a recreating center in Willow Glen.

CONTRACT AWARDED
PEARL HARBOR, T. H.—C. C. Moore & Co., 450 Mission St., San Francisco, at $40,100 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of steel frame building with asbestos covered metal roofing and siding and concrete foundation; steam generating plant consisting of two 150-hp. cross-drum water-tube boilers, brick settings and complete oil and water heating and pumping equipment, piping and electrical work; steel stack, and oil storage tank at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7438.
Following bids received:
C. C. Moore & Co., San Francisco, $40,100.
Fred W. Snook Co., San Francisco, $41,000.
Herman Lawson Co., San Francisco, $41,177.
Industrial Heating & Eng. Co., Baltimore, Md., $41,382.
A. D. Granger, New York City, $42,949.
Blake Palm Elevator Corp., Washington, D. C., $43,786.
Jones Gas Process Corp., St. Louis, $44,000.
George Hess, Los Angeles, $44,880.
St. Louis Fire Brick & Clay Co., $45,487.
R. J. Whinery, San Francisco, $47,174.
Industrial Piping & Engineering Co., Milwaukee, $48,800.
Young Engr. Corp., Ltd., Honolulu, $52,700.
Hawaiian Welding & Machine Co., $54,000.
Frank J. Eisinger, New York City, $54,405.
Hawaiian Cont. Co., Ltd., $57,900.

Construction Postponed.
SWIMMING POOL Cost, $12,000
SONORA, Tuolumne Co., Cal. Simpsin Terrace.
Swimming pool.
Owner—City of Sonora.
Architect—Not Given.
Construction has been postponed temporarily, due to developments in CWA work.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until March 13, 10 A. M., bids will be received by the State Purchasing Agent, 323 State Capitol, Sacramento, as follows:

Quotation No. 32221, Req. 8442; delivery f.o.b. San Luis Obispo:

(1) three motor-graders, dual-drive with scarifier attachments and 8-ft. moldboards;

(1 alt.) three do as shown above, except 10-ft. moldboards.

Quotation No. 32222, Req. 8443; delivery f.o.b. Salinas:

(1) three motor-graders, dual-drive, with scarifier attachments and 10-ft. moldboards;

(1 alt.) three do, except with 12-ft. moldboards.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until March 21, 10:30 A. M., bids will be received by the General Purchasing Officer, Panama Canal, Washington, D. C., under Schedule No. 2946, for furnishing the following supplies and equipment:

Galvanized steel sheets, corrosion-resisting steel plates, copper, brass, copper-nickel alloy, zinc, sheet lead, copper pipe, brass pipe, rigid steel conduit, iron pipe fittings, wire rope, steel wire, insulated cable, insulated wire, solid-coper wire, trolley wire, lamp cord, electric water heaters, current transformers, potential transformers, cable-joint insulators, terminal tubes, electric lighting fixtures, lead sleeving, cable-rack hooks, varnished cambric tape, steel bolts, rivets, expansion-bolt shields, tackle blocks, lavatory faucets, Manila rope, rubber hose, metallic steam hose, oil suctlon and discharge hose, asphalt emulsion and unsensitized blueprint paper.

Specifications obtainable from above office and also at the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco

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PANAMA CANAL ZONE.—Until March 20, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2947, for furnishing furniture and equipment for high school and junior college, Balboa, C. Z., (Bentwood chairs, teachers adjustable-base chairs tablet-arm seats, laboratory and students' tables, dictionary stands, students' notebook cases, non-adjustable wooden stools, desk and seat combinations, fume hood, chemistry tables, library tables, apparatus case, domestic art display cases, serving table, ledge shelving unit and sectional filing case).

Specifications and drawings obtainable from the above office and from the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

BERKELEY CITY

BERKELEY, Alameda Co., Cal.—Until March 13, 10 A. M., bids will be received by Berkeley City Clerk for furnishing 500 tons of type "C" surface mixture.

NAVY DEPARTMENT

BREMERTON, Wash.—Until March 17, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, for furnishing under Req. No. NSA-8/9278, as follows:

One chain hoist, 20 tons capacity, high speed, worm gear, single load chain (maximum lift 12-ft., net weight approximately 1600 lbs.)

Specifications obtainable from above office.

U. S POST OFFICE DEPT.

PORTERVILLE, Tulare Co., Cal.—Until March 12, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for second-hand furniture and screen line equipment for the Porterville Post Office. Proposal No. 1145.

LOS ANGELES, Cal.—Until March 16, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furniture and

OAKLAND CITY

OAKLAND, Cal.—Until March 15, 9 P. M., bids will be received by W. W. Chappell, city clerk, for approximately 300 tons of natural rock asphalt.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials, as follows:

COMPOUND, boiler; 30,000 lbs., San Diego; 25,000 lbs., Mare Island. Sch. 1833; March 13.

FLUX, soldering; 980 lbs., Mare Island; 640 lbs., Puget Sound. Sch. 1849; March 20.

BEARINGS, ball; 705, Mare Island. Sch. 1856; March 20.

BRICK, plastic fire brick material and fire clay; Western Yards. Sch. 1865; March 20.

CARBONS, searchlight; 2000 Mare Island. Sch. 1896; March 20.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous machinery and equipment as follows:

TRUCK, crane hoist; San Diego. Sch. 1839; Mar 13.

TRUCKS, gasoline engine-driven; 3, San Diego. Sch. 1841; Mar. 13.

LOCOMOTIVES, 55-ton capacity switching; 2, Mare Island. Sch. 1899-R; Mar. 13.

LATHES, motor-driven turret; 2 Puget Sound. Sch. 1845; Mar. 16.

LATHE, precision type bench; San Diego. Sch. 1863-R; Mar. 16.

MACHINE, motor-driven automatic screw; San Diego. Sch. 1868-R; Mar. 16.

MACHINE, motor-driven milling; San Diego. Sch. 1870; Mar. 16.

PRESS, motor-driven drill; San Diego. Sch. 1869; Mar. 16.

RECLAIMER, lubricating oil; San Diego. Sch. 1864; Mar. 16.

HOSE, flexible discharge, for fire extinguishers; 200, Mare Island. Sch. 1776; Mar. 20.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until March 14, 8 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing 15,000 feet of 4-in. diameter cast iron pipe.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until March 12, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208 Post Office Bldg., Sacramento, under Order No. 6167/2163-2167, for furnishing 2 steel plate engineer insignia, complete as per Drawing 70 A-17-1089.

Specifications obtainable from above office. Delivery to U. S. Engineers, f.o.b. Rio Vista, Calif.

SACRAMENTO, Cal.—Until March 12, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Order No. 6207/2176, for furnishing the following:

(1) 2160 ft. B. M. (20 pcs.) No. 2 Clear Pine; S4S.

(2) 720 ft. B. M. (20 pcs.) No. 2 Common Pine; S4S.

(3) 267 ft. B. M. (20 pcs.) No. 2 Common Pine; S4S.

Specifications obtainable from above office. Delivery to U. S. Engineers, f.o.b. Rio Vista, Calif.

13, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, district engineer, 208 Post Office Bldg., Sacramento, for furnishing under Circular Proposal No. 34-181, Spec. No. 6209, f.o.b. Rio Vista:

(1) three rough bronze castings to finish to 5¾-in. O. D. x 3¾-in. I. D. x 12-in. long, in conformity with Federal Spec. QQ-B-691, Grade 5.

(2) One angle ring for dredge cutter, 6 ft. 4¼-in. O. D. x 5 ft. 6¼-in. I. D. x 6-in. high, made of cast steel, in conformity with Federal Spec. QQ-S-681, Grade 1.

The price bid shall include the cost of transporting the pattern from U. S. Engineer Dock, Rio Vista, to the plant of contractor and its return to Rio Vista.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until March 13, 3 P. M., bids will be received by Capt. J. G. Drinkwater, District Engineer, U. S. Engineer Office, Room 208 Post Office Bldg., Sacramento, under Order No. 6213/2175, as follows:

LOT # 1: Sheet lead, valve and body, and Strong Steam traps.

LOT # 2: Iron pipe and brass ells.

Lot # 3: Brass railing fittings, brass round floor flanges, brass pipe, brass tees, and brass unions.

Specificationse obtainable from above office. Delivery f. o.b. U. S. Engineers, Rio Vista.

FORT LEWIS, Wash.—Until March 14, 10 A. M., bids will be received by Capt. R. A. Blair, Constructing Quartermaster, Fort Lewis, for 10,000 lbs waterproofing compound, to be used in cement lime mortar. Order 6105-34-40. Delivery f.o.b. Fort Lewis.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
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28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS POSTPONED.

ALAMEDA COUNTY, Cal.—State Highway Commission at Sacramento, has postponed the date for receiving bids for construction of a double reinforced concrete subway at Emeryville, a portion of the East Bay approach to the San Francisco-Oakland Bay Bridge, until March 21. The bids were to have been received March 14. Postponement is due to a necessary change in the wage scale.

SUB-CONTRACTS AWARDED

ALAMEDA COUNTY, Cal.—The following sub-contracts have been awarded by MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco, for furnishing steel sheet piling, lumber, sheet metal and glass, to be used in construction of an electrically operated double leaf bascule highway bridge complete with approaches over the tidal canal at Park Street, Oakland:

Steel Sheet Piling—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

Lumber—Swift Lumber Co., 65 Tenth St., San Francisco.

Sheet Metal—Edgar W. Anderson Co., 3103 San Pablo Ave., Oakland.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Contractor—Pacific Pipe Co., 201 Folsom St., San Francisco.

CONTRACT AWARDED

PIERCE COUNTY, Wash.—Harrison Bros. Co., Tacoma, at $11,080.00 awarded contract by the Washington Highway Commission, Olympia, for clearing, grading and draining about 1.2 miles of State Road No. 1, Lakeview to Union Avenue, Federal Public Works Project ,in Pierce County.

John Ottesen Co., Inc., Seattle, submitted second low bid at $11,465; third, Consolidated Const. Co., Seattle, at $11,832.

L. V. Murrow, engineer.

CONTRACT AWARDED

WHITMAN COUNTY, Wash.—S. G. Morin, Spokane, at $48,296 awarded contract by the Washington Highway Commission, Olympia, for constructing two reinforced concrete girder bridges with concrete pavement approaches, one 113-ft. long and the other 103-ft. long, Cooper Lake bridge and Codd bridge, respectively, over the South Fork of the Palouse river, in Colfax on State Road No. 3, U. S. Public Works Project No. NRM-201-B, in Whitman County.

West Coast Const. Co., Seattle, submitted second low bid at $48,511.00; third, J. J. Lorenz, Spokane, $48,583.

L. V. Murrow, engineer.

LOW BIDDERS

ARIZONA STATE.—Rogers Bros. & Del E. Webb, Snowflake, Arizona, at $26,152 submitted low bid to the Arizona State Highway Commission, Mar. 6, for highway and bridge construction on NRH 82-B (AFE No. 8043) Yuma-Gila Bend Highway. The work, which is located from 16 to 18 miles east of Yuma, consists of the construction of two concrete bridges and the grading, draining and road mix oil processing of about ½ mile of approach roadway, and is to be completed on or before June 15.

W. E. Hall Co., Alhambra, Cal., at $26,439 submitted second low bid.

T. S. O'Connell, engineer.

AWARD

SANTA BARBARA COUNTY, Calif.—Lynch-Cannon Engr. Co., 5658 Wilshire Blvd., Los Angeles, at $44,439 awarded contract by the State Highway Commission, Sacramento, for the construction of two bridges across Mission Creek; one near Figueroa St. consisting of one 38-ft. steel beam span on concrete piers with pile foundations, two 19-ft. 6-in. timber stringer spans and two 19-ft. timber stringer spans on pile bents; and the other, near Mitchelltorena St., consisting of one 40-ft. steel beam span on concrete piers, two 19-ft. timber stringer spans and two 19-ft. 6-in. timber stringer spans on concrete bents.

CONTRACT AWARDED

LOS ANGELES, Calif.—Creighton, Inc., 219 Higgins Bldg., Los Angeles, at $8,570 awarded contract by the Los Angeles County Supervisors March 5 for constructing a bridge on Siphon Road over San Jose Creek. The proposed structure will consist of three A-frame truss spans, 50-ft. each, with a 24-foot roadway, stel and timber framing and wood piling. The bids were opened February 26.

PROSPECTIVE BIDDERS

SONOMA COUNTY, Cal.—The following have procured plans for construction of a 330-ft. steel and concrete bridge across Dry Creek near city of Healdsburg, for which bids will be received by the Sonoma County Board of Supervicors, March 19 (as previously reported):

Soule Steel Co., 1750 Army St., San Francisco.

Gunn, Carle & Co., 20 Potrero Ave., San Francisco.

W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

John Corona, San Rafael.

Fred Maurer, Eureka.

Fred Howe, Santa Rosa.

Rocca & Caletti, P. O. Box 243, San Rafael.

Walter L. Proctor, 12 W 10th St., Santa Rosa.

Bundesen & Lauritzen, P. O. Box 395, Pittsburg.

M. B. McGowan, 74 New Montgomery St., San Francisco.

A. H. Vogt, 250 11th St., San Francisco.

Frank Bryant, 2911 23th St., San Francisco.

Herrick Iron Works, 18th and Campbell Sts., Oakland.

McClintic-Marshall Corp., Webster and Tynan, Alameda.

Judson-Pacific Co., 609 Mission St., San Francisco.

Minneapolis-Moline Power Implement Co., San Francisco.

Truscon Steel Co., 5480 E Slauson Ave., Los Angeles.

Plans were prepared by E. A. Peugh county engineer.

CONTRACT AWARDED

MULTNOMAH COUNTY, Oregon.—Hoffman Constr. Co., Portland, Ore., at $27,530 awarded contract by the Oregon State Highway Commission for constructing the 82nd St. viaduct over the Oregon-Washington Railroad and Navigation Company's tracks in Portland, National Recovery Project No. NRM 19-C.

BIDS POSTPONED.

OAKLAND, Cal.—Directors of Joint Highway District No. 13, 1448 Webster St., Oakland, have postponed the date for receiving bids for construction of the Broadway Tunnel which were to have been opened March 22. A new date will be set following a decision by the California State Supreme Court expected about April 1, which will validate bonds of the district to be used to finance the tunnel contract in part.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SEATTLE, Wash.—Tacoma Dredging Co., 1113½ A St., Tacoma, Wash., at $105.814 submitted low bid to the U. S. Engineer Office, Federal Office Bldg., Seattle, Wash., for dredging approximately 764,000 cubic yards of material from the harbor at Olympia. The work will consist of dredging a channel 30 feet deep and 300 feet wide for a distance of 12,000 feet, with channel widened at the bend. The turning basin is to be enlarged to a length of 2000 feet, a width of 800 feet and a depth of 30 feet.

General Construction Co., Seattle, at $112.308 submitted second low bid; third, Puget Sound Bridge & Dredging Co., Seattle, Wash., $112,690.

LOW BIDDERS

PORTLAND, Oregon—Kuckenberg-Wittman Co., Portland, Oregon, at $32,640 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, for constructing about 600 ft. of approach tramway; 2500 ft. of pile and timber dikes of various types of construction, with trackage and about 400 ft. of pile and timber groins, located on the east end of Sand Island, Columbia River, about 10 miles below Astoria, Oragon.

Gilpin Constr. Co., Henry Bldg., Portland, submitted second low bid at $33,459.50.

COMPLETE BIDS.

PORTLAND, Oregon—Kuckenberg-Wittman Co., Inc., 226 Board of Trade Bldg., Portland, Oregon, at $32,640.00 submitted low bid (as previously reported) to the U. S. Engineer, Office

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

306 Customhouse, Portland, Oregon, for constructing about 600-ft. of approach tramway; 2,500-ft. of pile and timber dikes of various types of construction, with trackage and about 400-ft. of pile and timber groins, located on the east end of Sand Islad, Columbia River, about 10 miles below Astoria, Oregon.

Complete bids follow:

Kuckenberg-Wittman Co., Inc, 226 Board of Trade Bldg., Portland, Oregon, $32,640.00.

The Gilpine Constr. Co., 503 Henry Bldg., Portland, $33,459.50.

Parker-Schram Company, 513 Couch Bldg, Portland, $36,380.00.

P. L. Crooks & Co., 616 Henry Bldg., Portland, $44,350.00.

Engineer's Estimate, $34,462.00.

C. F. Williams, District Engineer.

BIDS OPENED.

SEATTLE, Wash.—Hagman & Larsen, Inc., Seattle, Wash., at $39,694, submitted low bid (Cast on job) to the Board of Public Works, Seattle, Wash., for placing all of the precast sections for Types A and B Wall, together with the special sections required at Bay Street, including setting of the temporary struts and ties to hold the wall in place; also furnishing and placing of the tremie concrete to be placed around the tops of the steel sheet piles, to be used in construction of the Railroad Avenue Project.

Complete bids follow:

Hagman & Larsen Inc., Seattle, Wash., $47,410 (Water Delivery); $43,720 (Rail Delivery); $41,506 (Truck Delivery); and $39,694 (Cast on Job).

General Construction Co., Seattle, Wash., $50,922 (Water Delivery); $58,302 (Rail Delivery); Truck Delivery (no bid); (Truck Delivery) $57,302; (Cast on Job) $58,302.

COMPLETE BIDS.

GOVERNMENT ISLAND, Cal.—As previously reported, Healy-Tibbitts Construction Company, 64 Pine Street, San Francisco, at $328,000 (360 days) submitted low bid to the U. S. Coast Guard, Washington, D. C., for the construction of a steel sheet pile bulkhead, approximately 1,528 feet in length; boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island, Oakland. Other bids were: Bodenhamer Constr. Co., Oakland, $336,000 (200 days); Ben C. Gerwick, S. F., $337,115 (240 days); Schuler & McDonald, Inc., Oakland, Cal., $347,000 (215 days); M. B. McGowan, San Francisco, $365,000 (360 days).

BIDS OPENED

SEATTLE, Wash. — General Const. Co., 3840 Iowa St., Seattle, at $103,117 (water delivery and at $104,665 (rail delivery) submitted low bid to the Board of Public Works, Seattle, for furnishing all material, except reinforcing steel and labor for forming, casting and delivering the precast concrete sections for Types A and B wall, together with special section at Bay Street, to be used in construction of the Railroad Avenue Project.

Complete bids follow:

General Construction Co., Seattle, $103,117 (water delivery); $104,665 (rail delivery).

Western Const. Co., Seattle, $124,791 (water delivery) $115,903 (rail delivery); $131,968 (truck delivery); $121-000 (cast on job).

Puget Const. Co., Seattle, $116,798 (rail delivery).

Queen City Const. Co., Seattle $126,917 (truck delivery).

G. W. Roberge, secretary.

APPLICATION FILED

SAN DIEGO, Cal.—Application has been made by the Commandant, 11th Naval District for War Department permit for the construction of berthing platforms and pile dolphins to provide additional berthing space for aircraft carriers and other vessels at the Naval Air Station, San Diego.

Map showing location of the proposed work may be seen at the office of the U. S. Engineer, 751 S Figueroa St., Los Angeles, until 11 A. M., Tuesday, March 13, or at the Public Works Office, foot of Broadway, San Diego. H. H. Stickney, Major, Corps of Engineers, district engineer.

BIDS OPENED

SEATTLE, Wash.—Hagman & Larson, Seattle, at $23,998 submitted the low bid to the Board of Public Works, Seattle, for driving all the steel sheet piles and steel master piles for Types A and B wall, including placing of temporary walls at elevation 15.5, and placing of steel angles, fills, bolts, etc., used for capping the master piles of the Type B wall, to be used in construction of the Railroad Ave. Project. Complete bids follow:

Hagman & Larsen, Seattle.....$23,998

Manson Const. & Engr. Co., Seattle 25,578

General Const. Co., Seattle..... 26,936

G. W. Roberg, secretary.

CONTRACT AWARDED

SEATTLE, Wash. — General Const. Co., 3840 Iowa St., Seattle, at $104,665 (rail delivery) awarded contract by the Board of Public Works, Seattle, for the manufacture of the pre-cast concrete sections of the seawall, to be used in construction of the Railroad Avenue Project, Seattle, Wash, U.S A.

G. W. Roberge, secretary.

CONTRACTS AWARDED

SEATTLE, Wash.—Board of Public Works, Seattle, awarded contract for furnishing, transporting and placing all filling to be used in construction of Railroad Avenue Project as follows:

Washington Tug & Barge Co., Pier 40, Seattle, at 13¾c cu. yd. hauling one unit of 245,000 cubic yards of fill material and the same figure for hauling another unit of 65,000 cu. yds.

Western Const. Co., Textile Tower, Seattle, at 25c per cubic yards for placing 245,000 cu. yds. of material.

BIDS OPENED

SEATTLE, Wash.—General Construction Co., 3840 Iowa St., Seattle, Wash., at $112,700 (46c per cubic yard) submitted low bid to the Board of Public Works, Seattle, Wash., for furnishing, transporting and placing all filling, to be used in construction of Railroad Avenue Project.

Washington Tug & Barge Co., Seattle, submitted low bid for transporting sand and gravel only, at $33,687 (13c per cubic yard).

G. W. Robergs, Secretary.

23— IRRIGATION PROJ.

LOW BIDDERS

CASPER, Wyo.—The following submitted low bids to the Bureau of Reclamation, Casper, Wyo., for constructing earthwork, tunnels and structures, Casper Canal, Station 0 to Station 190, Casper-Alcova PWA Project, Wyoming; Spec. No. 564:

Utah Const. Co., Ogden, $225,990.00 (Sched. No. 1, canal headworks structure and Tunnel No. 1, Casper Canal, Station 0 to Station 32 plus 00).

J. A. Terteling Sons, Boise, Idaho, $89,865 (Schedule No. 2, earthwork and structures, Casper Canal, Station 32 plus 00 to Station 101 plus 50 (Tunnel No. 2) and Station 149 plus 35 (Tunnel No. 2) to Station 190 plus 00.

Edward Peterson, Omaha, Nebraska $293,465 (Schedule No. 3, Tunnel No. 2, Casper Canal, Station 101 plus 50 to Station 149 plus 35).

R. F. Walter, chief engineer.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED.

LOS ANGELES, Calif.—Ideal Elec. & Mfg. Co., 425 E Pico Blvd., Los Angeles, at $3088 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing induction motors under Bid No. 20420. The other bids were: Westinghouse Elec. & Mfg. Co., $3,297.50; Century Elec. Co., $3,297.50; General Electric Co., $3297.50; Graybar Elec. Co., Inc., $3297.50; Allis-Chalmers Mfg. Co., $3297.50; Fairbanks Morse & Co., $3297.50; Quality Electric Co., $3297.50; and the following companies identical bids at $3379.94: Goddard-Jackson Co., Byron-Jackson Co., Robert M. Hartwell Co., U. S. Electrical Mfg. Co.

COMPLETE BIDS.

BOULDER CANYON, Nev.—Following bids received by the Bureau of Reclamation, Denver, under Spec. No. 608-D for furnishing:

(1) butterfly valve supports and stud bolts, for 168-in. and 120-in. butterfly valves;

(2) 84-in. needle valve sole pieces and studs;

(3) 84-in. needle valve discharge guides;

(4) one 150-ton cableway car transfer cradle.

Complete bids follow:

Johnson City Foundry and Machine Co., (1) $3384 (2) $1430 (1 & 2) $4690.

Stearns-Rogers Mfg. Co., (1) $4175 (2) $1644.

Koppel Ind. Car & Equip. Co., (4) $9532.00.

Hooven Owens Rentschler Co., (1) $4775 (2) $1640.

American Locomotive Co., (1) $3905 (2) $1638 (3) $14,879 (4) $5791 (1, 2, 3) $19,680 (1, 2, 3, 4) $25,591.

Aldrich Pump Co., (1) $3202 (2) $1,682 (1 & 2) $4850.

New Albany Mach. Mfg. Co., (1) $7600 (2) $2500 (1 & 2) $10,100.

Hardie-Tynes Mfg. Co., (1) $3950 (2) $1450 (1 & 2) $5346.

Shaw Box Crane & Hoist Co., (1) $8157 (2) $2195 (4) $5438.

Commercial Iron Works (1) $4610 (2) $1688 (1 & 2) $6236.

Consolidated Steel Corp., (1) $5,500 (2) $1900 (3) $21,600 (4) $5860 (1, 2, 3, 4) $33,000 (3 & 4) $25,000.

Goodman Mfg. Co., (1) $4100 (2) $1500.00.

Provo Foundry and Machine Co. (1) $4535 (2) $1642.

John W. Beam, (1) $7500 (2) $3000 (3) $15,600 (4) $4500 (3 & 4) $19,900.

Washington Iron Works, (1) 6750 (2) $2690 (3) $23,200 (4) $7050.

BIDS OPENED

OAKLAND, Cal.—The following bids received by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing a power shovel with one cubic yard capacity, informal Proposal No. 512 (prices are for various types of new and used shovels):

Spears Wells Machiney Co., Oakland, $7,800; $3,250.

P. B. Hackley Equip. Co., San Francisco, $3,900; $5,800.

Weber & Co., Pasadena, $16,770.

Bay Cities Shovels, Inc., San Francisco, $9,000; $14,435.

Link-Belt Co., San Francisco, $7300.

Associated Equipment Co., Ltd., San Francisco, $8,250; $9,200; $7,800; $15,236.00.

Bevis Machinery Co., Los Angeles, $8,000.00.

Bucycus - Erie Co., San Francisco, $17,689.90; $19,829.90.

Contractors Machinery Exch., Oakland, $5,500.00.

A. L. Young Machinery Co., Los Angeles, $10,730; $15,606.

Harnischfeger Sales Corp., San Francisco, $10,150; $9,300; $18,652.

Western Machinery Co., San Francisco, $7,810; $5,960.

Northwestern Engr. Co., San Francisco, $7,678.75; $11,455.

C. R. Adams, Piedmont, $17,220; $10-255.00.

Mrs. Ethel J. Welsh, $4,500.

Wieland Equip. Co., Berkeley, $8,-975.00.

CONTRACT AWARDED

LOS ANGELES, Cal. — Robert M. Hartwell Co., $878.02 f.o.b. Los Angeles, awarded contract March 2 by Metropolitan Water District, Los Angeles, for furnishing centrifugal pumps under Bid No. 20471. The bid did not include sales tax. The other bids were:

Petroleum Equipment Co., Los Angeles, $1130.58.

Smith Booth Usher Co., Los Angeles, $1143.70.

Byron - Jackson Co., Los Angeles, $1159.06.

Pacific Pump Works, Ltd., Huntington Park, $1202.92.

Layne & Bowler, Los Angeles, $1210.

The Worthington Co., Inc., Los Angeles, $1237.18.

Weil Pump Co., $612 (does not comply with specifications).

Ingersoll-Rand Co. of California (partial bid), $268.55.

28—FIRE EQUIPMENT

APPROVED

AVENAL, Kings Co., Cal.—The formation of a fire protection district for the town of Avenal and vicinity was approved at an election held February 26, by a vote of 56 to 9. The district plans to purchase a small pumping engine with a capacity of 350 gallons a minute and a fire truck. Estimated total cost $3500.

30—RESERVOIRS & DAMS

APPLICATION FILED

YUBA COUNTY, Cal.—Application has been filed with the Railroad Commission by Yuba-Butte Orchard Co., formerly Los Verjels Land & Water Company, asking permission to mortgage its holdings in Yuba County for $14,000. The money is to be used in making repairs and improvements on the Los Verjels dam on Dry Creek. The improvements planned include the enlargemnt of the present spillway, the removal of old timber spillways, strengthening the concrete arches and buttresses, stoppage of leaks in the dam, enlarging the main irrigation ditch from the diversion dam 560 feet down stream, and lining it with concrete; cleaning the main irrigation ditch throughout its length; replacement of three timber flumes in the main irrigation ditch.

BIDS WANTED

SUNNYVALE, Cal.—Until March 19, 7:30 P. M., bids will be received by the Sunnyvale City Council, City Hall, for construction of a reinforced concrete reservoir of 340,000 gallon capacity, involving approximately 309 cu. yds. of concrete and 34 tons reinforcing steel.

Plans and specifications obtainable from H. N. Bishop, City Engineer, or City Clerk, Sunnyvale; charge $1.00.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BONDS DEFEATED.

GLENDALE, Ariz.—At an election held February 19, Glendale, the $12,-000 sewer bond issue was defeated.

SAN JACINTO, Riverside Co., Cal. —Bids will be advertised within the next few days by LaRoy P. Simms, Director of Riverside County CWA, for material for the San Jacinto sewer project. Work on trenching will start within the next few days. The work involves:

(1) 1150 ft. 2-in. gals. iron water pipe
(2) 4080 ft. 12-in. B & S sewer (vit. or concrete);
(3) 100 only 12 x 6-in. wyes;
(4) 100 only 6-in. stoppers;
(5) 400 sacks cement;
(6) 20 tons crushed rock;
(7) 24,000 manhole brick;
(8) 100 manhole steps;
(9) 15 manhole frames and covers;
(10) 100 ft. ¾-in. red brass pipe;
(11) 100 pieces 2x10x10-in. No. 2 common lumber;
(12) 100 pieces 2x6x8-in. No. 2 common lumber.

The City of San Jacinto will purchase the sand and tools. Equipment required and to be furnished on a rental basis will include:

2 1-ton trucks; 1¾-in. centrifugal trench pump; 4 doz. trench jacks and 1 standard blacksmith forge, anvil and vice.

Koebig & Koebig, Rowan Bldg., Los Angeles, are the consulting engineers. The city originally asked for $123,000, but the appropriation has been reduced, allowing only for the construction of sewers to serve the business district and the schools.

ELECTION PLANNED

AZUSA, Los Angeles Co., Cal.—The City Council will meet March 5 to set a date for an election to vote on an $180,000 bond issue to finance the repayment of a PWA loan for the proposed sewer system and disposal plant.

Paul E. Kressly, City Engineer, 1780 Ramiro St., San Marino.

FUNDS APPROVED

LAS VEGAS, Nevada—Construction of sewers costing $116,000 has been approved by the Nevada State CWA Board. The work is estimated to involve $78,000 for labor and $38,000 for materials. A. R. Thompson, City Engineer.

PLANNED.

MONTEREY PARK, Los Angeles Co., Calif.—The Monterey Park city counil has adopted a resolution asking the Los Angeles County CWA for $103,716.66 for labor and materials to install a portion of the proposed sewer system. The council also adopted a resolution rescinding its action in withdrawing its PWA application with the PWA for $229,000 for the treatment plant and sewer mains.

PLANNED.

BAKERSFIELD, Kern Co., Calif.—Jos. Holfeder, city engineer, is preparing preliminary data for a sewage disposal plant. The city has applied to the PWA for loan and grant of $100,000 to cover the cost of the proposed project.

33— WATERWORKS

FUNDS APPLIED FOR

REDLANDS, San Bernardino Co., Cal.—The City of Redlands has applied to the San Bernardino County CWA for funds to construct a "high-line" water supply pipe line. The city asks 9776 man days labor and $15,000 for purchase of pipe. The city is willing to pledge 2000 man days and purchase materials costing $50,000.

BIDS WANTED.

BEVERLY HILLS, Cal.—Until Mar. 27, 8 P. M., bids will be received by the Beverly Hills City Council for furnishing and laying 4600 feet of water main, involving:

(1) 2200 ft. 8-in. Cast Iron Pipe.
(2) 2400 ft. 12-in. Cast Iron Pipe.

ELECTION

SAN JOSE, Cal. — San Jose City Council will submit to the voters on May 21, a proposal to affirm a thirty-year contract with Water Properties, Ltd., to provide the city with eleven million gallons of water daily at a flat rate of $600,000 a year.

Water Properties, Ltd., proposes to commence delivery of water by July 17, 1937. It will apply for Federal financing of approximately $35,000,000 to be supplemented by $15,000,000 in private capital. San Jose will be one of several municipalities to be served by the water supply, which will be piped from reservoirs in the Sierra Nevada Mountains.

F. M. Chrisman is engineer for the company.

BIDS OPENED.

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, S Broadway, (1) furnishing two 7-ft. diameter, hydraulically-operated, butterfly gate valves, with cast steel in body and disc, Spec. No. 1385, f.o.b. cars Saugus with alternate bid; (1a) furnishing two 7-ft. do with Mechanite metal, grade "A" in body and disc, f.o.b. cars Saugus:

Consolidated Steel Corp., (1) $7600; (1a) $7447; delivery, 60 days net.

Pelton Water Wheel Co., (1) $6735; (1a) $6765; terms 60 days net.

Joshua Hendy Iron Works, (1) $7,-175; (1a) no bid; delivery 60 days, net f.o.b. Sunnyvale.

S. Morgan Smith & Co. (R. W. Lawton, agent) (1) for two 54-in. valves, $19,950; (1a) for two 48-in. valves, $16,150 (bid irregular, no bond or affidavit).

The Consolidated Steel Corp. submitted alternate bids as follows: (1) for two valves with brake, $16,895; (2) for two valves with Mechanite body and disc, $15,895; (3) for two valves with valve disc control with cast iron body and disc, $16,695; (4) if steel piers are desired in place of concrete, add $400; (5) if indicators are desired, add $460.

The bids were opened March 2.

BIDS WANTED

SAN FRANCISCO—Until March 19, 3 P. M., bids will be received by T. A. Brooks, Purchases of Supplies, 270 City Hall, San Francisco, for furnishing under Invitation Bid No. 1160 the following:

(1) 500 6-in., 8-in., 12-in. and 16-in. bell end double disc gate valves.

Specifications obtainable from above office.

34—PARKS AND PLAY-GROUNDS

BIDS WANTED

SAN FRANCISCO—Until March 12, 10 A. M., bids will be received by Post Quartermaster, Fort Mason, for erecting wire fence at Fort Mason. Plans and specifications available from above office upon deposit of $5.

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BIDS WANTED.

SALT LAKE CITY, Utah.—Until March 27, 2:30 P. M., bids will be received by Veterans' Administration,

Room 764, Arlington Bldg., Washington, D. C., for constructing a lawn sprinkling system at Veterans' Administration Facility, Salt Lake City. Plans and specifications are available from above office.

PROSPECTIVE BIDDERS.

ROSEBURG, Ore.—Following have procured plans for the purpose of submitting bids to the Veterans' Administration, Arlington Bldg., Washington, D. C., on March 20, for landscaping a tthe Veterans' Administration, Roseburg:

J. B. Pilkinton, 2nd and Salmon Sts. Portland.

Mountain View Floral Co., 341 East 72nd St., Portland.

Russellville Nurseries, East 96th and Burnside Sts., Portland.

Portland Wholesale Nursery Co., E Washington and 6th Sts., Portland.

Milton Nursery Co., Milton, Oregon.

Rutledge Seed & Floral Co., 145 2nd St., Portland.

Weed's Landscape Nursery, Beaverton, Oregon.

Orenco Nursery Co., Orenco, Ore.

Lamberts Garden, Portland.

The Villa Nurseries, Montavilla P. O., Portland.

Howell Nurseries, Knoxville, Tenn.

BIDS WANTED

SAN FRANCISCO—Until March 21, 10 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for construction of approximately 4660 lineal feet of chain link fence at Benton Field Air Depot, Alameda. Plans and specifications available from above office upon deposit of $5.

29—STREETS AND HIGHWAYS

BIDS WANTED

GILA COUNTY, Ariz.—Until March 23, 2:30 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Miami-Globe Highway. The work is located in the city of Miami, beginning at the school near Live Oak Canyon and extending east long Live Oak St. approximately one mile, and consists of widening of a concrete pavement. The work is to be completed by June 15, and involves:

(1) 7,500 sq. yds. grading;
(2) 7,500 sq. yds. concrete paving;
(3) raising manhole cover.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

BIDS WANTED

BENTON FIELD, Alameda, Calif.—Until March 21, 10:30 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for grading runways and placing rock underfill thereon and for the construction and completion of an extension to the present drainage system, at Benton Field Air Depot, Alameda.

Plans and specifications obtainable from the above office upon a deposit of $10.00.

BIDS WANTED.

SIERRA CO., Cal.—Until March 27, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and placing crushed gravel subgrade reinforcement on Section A of Route 27, the Sierraville-Hobart National Forest Highway, Tahoe National Forest, in Sierra County, involving:

(1) 172,000 cu. yds. unclas. excav.;
(2) 1,950 cu. yds. struc. excav.;
(3) 233,000 sta. yds. overhaul;
(4) 24,000 tons subgrade reinf.;
(5) 1,500 tons supp. subgrade reinf.;
(6) 51,500 gals. liquid asph. road material;
(7) 0.5 MFBM untreated timber;
(8) 452 cu. yds. concrete;
(9) 37,400 lbs. reinf. steel;
(10) 4,972 lin. ft. corru. metal pipe;
(11) 415 cu. yds. crushed rock or gravel for backfill;
(12) 44 each type A spillway inlets;
(13) 68 each right of way monuments.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED.

TEHAMA CO., Cal.—Until March 20, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and placing subgrade reinforcement on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen Nation Forest, Tehama County, involving:

(1) 9,000 cu. yds. unclass. excav.;
(2) 1,600 cu. yds. unclass. excav for structures;
(3) 15,800 cu. yds. unclas. excax. borrow;
(4) 500,000 sta. yds. overhaul;
(5) 5,000 cu. yds. mi. borrow haul;
(6) 12,700 cu. yds. subgrade reinf.;
(7) 32,000 gals. liquid asph. road material, Type SC-2;
(8) 372 cu. yds. concrete;
(9) 34,400 lbs. reinf. steel;
(10) 1,180 lin. ft. perf. corru. metal pipe;
(11) 2,276 lin. ft. do. asphalt dipped;
(12) 30 cu. yds. hand-laid rock embankment;
(13) 320 cu. yds. crushed gravel or rock for backfill;
(14) 13 each spillway inlets;
(15) 308 lin. ft. remove and relop or stockpile exist. CMP culverts;
(16) 18 each right of way monuments;
(17) 4,495 lin. ft. remove and reset fence.

Plans and specifications obtainable from above office upon deposit of $10.

AWARD

SISKIYOU & SHASTA Cos., Calif.—Hanrahan Co., Hobart Building, San Francisco, at $93,961.78 awarded contract by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, for placing crushed gravel subgrade reinforcement on Section D and portion of Section E of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Shasta National Forest, Siskiyou and Shasta Counties.

BIDS WANTED.

TEHAMA CO., Cal.—Until March 22, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section E and placing subgrade reinforcement on Section E and portions of Sections A, B, C and D of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama Co., involving:

(1) 9, acres clearing;
(2) 23,300 cu. yds. unclas. excav.;
(3) 845 cu. yds. unclass. excav., for structures;
(4) 80,000 sta. yds. overhaul;
(5) 10,700 cu. yds. subgrade reinf.;
(6) 64,000 cu. yds. mi. haul do;
(7) 27 MFBM treated timber;
(8) 128 cu. yds. concrete;
(9) 930 lin. ft. CMP in place;
(10) 24 each right of way monuments;
(11) 68 lin. ft. remove and relay existing CMP culverts;
(12) 100 cu. yds. crushed rock or gravel backfill;
(13) 519 sq. yds. bit. wearing surface in place.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED.

SHASTA COUNTY, Cal.—A. Teichert & Sons, Inc., P. O. Box 1118, Sacramento, at $134,538.10 awarded contract by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., San Francisco, for grading Section F of Route 77, Mt. Shasta-Mt. Lassen National Forest Highway, Lassen National Forest, Shasta County.

Complete bids published Feb. 14. C. H. Sweetser, Engineer.

BIDS WANTED

ARIZONA STATE—Until March 16, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, Arizona, for constructing the Benson-Douglas Highway Project NRM 79-C. The work, which is located within the city limits of Tombstone consists of placing a cutback armor coat over existing pavement and a cutback plant mix oil cake over a new alignment, and is to be completed on or before May 15, 1934. The principal items of work are:

(1) 930 cu. yds. rdwy. excav.;
(2) 6000 cu. yds. imported borrow;
(3) 2400 cu. yds. mi. imported borrow haul;
4) 890 lin. ft. road guard cable or steel plate);
(5) 631 tons armor coat;
(6) 769 tons plant mix;
(7) 87 tons cutback asphalt;
(8) 1640 sq. yds. placing intersections
(9) 127 cu. yds. screenings;
(10) Miscellaneous items of work.

An appropriation in the amount of $13,500 has been made toward the construction of the above project. Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer.

BIDS WANTED

ARIZONA STATE—Until March 23, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, Arizona, for constructing culverts and incidental grading on the Phoenix-Wickenburg highway project N.R.H. 76. The work which is located about 5¼ miles southeast of Hot Springs Junction (and all these proposed structures are located within 1 mile of each other) consists of the construction of three concrete box culverts with necessary grading for approaches and is to be completed on or before June 30, 1934. The work involves:

(1) 860 cu. yds. rdwy. excav. and borrow;
(2) 1530 cu. yds. select material;
(3) 1900 cu. yds. drainage sxcav.;
(4) 650 cu. yds. struc. excav.;
(5) 610 cu. yds. concrete;
(6) 64,700 lbs. reinf. steel;
(7) 12,000 gals water for sprinkling.

An appropriation in the amount of $22,000 has been made toward the construction of the above project. Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

AWARD RECOMMENDED.

DOUGLAS, ORMSBY & WASHOE COS., Nev.—Award of a contract to J. A. Casson, 319 Warren street, Hayward, Cal., at $106,086.20, by the U. S. Bureau of Public Roads, San Francisco, for placing decomposed granite surfacing on Sec. A and bituminous surface treatment (road mx) on Sec. A, B, C and D or Route 1, Lake Tahoe Natl. Forest Highway, and bituminous surface treatment (road mix) on Sec. C, D and E of Route 3, Glenbrook Natl. Forest Highway, Tahoe Natl. Forest, Douglas, Ormsby and Washoe Counties, Nevada, has been recommended by C. H. Sweetser, District Engineer.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until March 28, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 24.3 miles and treating the central portion of the roadbed with fuel oil, between Indio and Shavers Summit, in Riverside County, involving:

(1) 698,000 cu. yds. roadway excav. unclass.;
(2) 2,114,000 sta. yds. overhaul;
(3) 218,000 cu. yds. ditch and channel excav.;
(4) 17,500 cu. yds. selected material;
(5) 11,150 cu. yds. struc. excav.;
(6) 19,200 M gals. water;
(7) 3816 lin. ft. 24-in. CMP;
(8) 2132 lin. ft. 30-in. CMP;
(9) 1392 lin. ft. 36-in. CMP;
(10) 1198 lin. ft. 48-in. CMP;
(11) 134 lin. ft. 90-in. multi plate metal pipe;
(12) 910 lin. ft. laminated timber guard rail;
(13) 180 each timber guide posts;
(14) 128 each culvert markers;
(15) 190 cu. yds. rubble masonry;
(16) 14,200 bbls. fuel oil;
(17) 1283.8 sta. preparing surface and mix. and shaping oiled material;
(18) 84 .F.B.M. untreat. Douglas fir timber;
(19) 100 M.F.B.M. creosoted Douglas fir timber 10-lb. treatment;
(20) 192 M.F.B.M. creosoted Douglas fir timber 8-lb. treatment;
(21) 410 M.F.B.M. redwood timber dense select all-heart struc. grade;
(22) 315 M.F.B.M. redwood timber select all-heart struc. grade;
(23) 28,780 lin. ft. furnish creosoted Douglas fir piles;
(24) 5600 lin. ft. furnish redwood piles
(25) 1160 each driving piles;
(26) 64,500 lbs. struc. metal;
(27) 1340 lin. ft. bank protection fence
(28) 1267 stations finishing rdwy.;
(29) 615 monuments complete in place

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

ARIZONA STATE—Until March 23, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, Arizona, for constructing culverts and incidental grading on the Phoenix-Prescott Highway Project N.R.H. 84-A. The work which is located about 11.25 miles southeast of Hot Springs Junction (the two proposed structures are located within 1½ miles of each other) consists of the construction of two concrete box culverts with necessary grading for approaches and is to be completed on or before May 31, 1934. The work involves:

(1) 820 cu. yds. excavation and borrow;
(2) 1820 cu. yds. select material;
(3) 3300 cu. yds. drainage excav.;
(4) 435 cu. yds. struc. excavation;
(5) 320 cu. yds. concrete;
(6) 33,820 lbs. reinforcing steel;
(7) 13,000 gals. water for sprinkling;
(8) 50 cu. yds. riprap.

An appropriation in the amount of $10,000 has been made toward the construction of the above project. Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

BIDS WANTED

KINGS COUNTY, Cal.—Until March 28, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 7.5 miles bet. Hanford and Easterly Boundary, in Kings County, involving:

(1) 24,250 cu. yds. rdwy. excav. unclass.;
(2) 768,000 sta. yds. overhaul;
(3) 40,200 cu. yds. import. borrow;
(4) 2160 cu. yds. struc. excav.;
(5) 25 cu. yds. conc. in exist. pavement and strucs. to be removed and disposed of;
(6) 4250 sq. yds. prep. subgrade for pavement;
(7) 83,200 sq. yds. asphaltic paint binder;
(8) 30,250 tons asphalt concrete;
(9) 633 lin. ft. 12-in. standard reinforced concrete pipe;
(10) 1755 lin. ft. 18-in. standard reinf. concrete pipe;
(11) 330 lin. ft. 24-in. standard reinf. concrete pipe;
(12) 315 cu. yds. Class A Port. cem. conc. strucs.;
(13) 26,300 lbs. bar reinf. steel strucs.
(14) 2400 M. gals water;
(15) 850 lin. ft. laminated timber guard rail;
(16) 60 each timber culvert markers;
(17) 12.5 miles exist. property fence to be removed and reset;
(18) 5200 bbls. heavy fuel oil;
(19) 7.5 miles preparing mixing and shaping shoulders;
(20) 394 stations finishing roadway;
(21) 37 each monuments.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

March 6, 1934

BIDS OPENED

TILLAMOOK COUNTY, Oregon—Following six identical bids were received by the U. S. Bureau of Public Roads, Portland, Oreg., at $34,631 for surfacing 4.4117 miles of the McMinnville-Tillamook Highway Project NR-1-A2, B1, National Forest Road Project, located within the Siuslaw National Forest, in Tillamook County;

Edlefsen-Wyegandt, Portland.
Newport Constr. Co., Portland.
F. J. Kernan, Faloma, Oregon.
Chas. H. Hoyt, Silverton.
A. T. Dolan, Tillamook, Oregon.
E. C. Hall, Eugene, Oregon.
A. Milne, Portland, submitted high bid at $40,900.

Unit identical bids were as follows: Subgrade reinf. 28,000 cu. yds. $1.06; Supply crushed rock, Class A, 1750 cu. yds. $1.15; Class B, 550 cu. yds. $1.15; Class C, 1200 cu. yds., $1.18; Class D, 500 cu. yds., $1.18; stockpiles, $300.

Unit bids (A. Milne) were: Subgrade $1.25; rock, Class A, $1.40; Class B, $1.40; Class C, $1.40; Class D, $1.40; stockpile, $300.

Bids were taken under advisement. W. H. Lynch, District engineer.

BIDS REJECTED.

WALLA WALLA COUNTY, Wash.—All bids received by L. V. Murrow, State Director of Highways, Olympia, for surfacing with crushed stone and stockpiling crushed stone (oil rock) on about 1.7 miles of State Road No. 3, Section 1, Attalia Revision and Section 2, undercrossing site N. P. Ry.-Pendleton Branch at Wallula (stockpile site), unit 1 of Project No. 3630, in Walla Walla County, were rejected.

H. C. Rogers & Sons, Dayton, low bidders at $16,984.

CONTRACT AWARDED

LANE COUNTY, Oregon—Earl L. McNutt, Eugene, Oregon, at $130,786 awarded contract on metal pipe, by the U. S. Bureau of Public Roads, Portland, Oregon, for grading 4.553 miles of Willamette Highway, Proj. NR-21-E1, F2, National Forest Road Project.

AWARD

PIERCE COUNTY, Wash.—Albertson & Cornell Bros., 1113½ A Street, Tacoma, Washington, at $35,313.93 awarded contract by the Washington State Highway Commission, Olympia, for paving with Portland cement concrete and/or re-topping the existing pavement with an asphaltic surface on about 0.6 miles of State Road No. 1, Puyallup Avenue from East "G" Street to Bay Street, in the City of Tacoma, U. S. Public Works Project No. NRM 1 -C, in Pierce County.

L. B. Murrow, Director.

BIDS REJECTED.

GRANT COUNTY, Wash.—All bids were rejected by L. V. Murrow, State Director of Highways, Olympia, for surfacing 3.7 miles of State Road No. 7, Quincy-Soap Lake Revisions, Unit 1 of Project No. 4168, in Grant Co.

Joslin & McAllister, E 3038 Trent, Spokane, submitted low bid at $20,536.

BIDS REJECTED.

PEND OREILLE CO., Wash.—All bids were rejected by L. V. Murrow, State Director of Highways, Olympia, for resurfacing 7.7 miles of State Road No. 6, Ione to Metaline Falls, Project No. 4707, in Pend Oreille County.

Triangle Const. Co., 1220 Ide St., Spokane, at $19,614 submitted low bid.

CANCELLATION.

STEVENS COUNTY, Wash.—Director of Highways L. V. Murrow, Olympia, cancelled blds which were called for February 27, for grading and surfacing with crushed stone about 1.4 miles of State Road No. 3, Colville North, U. S. Public Works Projects Nos. NRM 154-D and NRH-154.

CONTRACT AWARDED

VENTURA COUNTY, Cal.—Clyde W. Wood, Box 1435, Stockton, at $105,530.50 awarded contract by the State Highway Commission, Sacramento, for grading and treating with fuel oil about 3.9 miles between westerly boundary and one-half mile east of West Casitas Pass, in Ventura County.

BIDS OPENED

SAN DIEGO, Cal.—Sim J. Harris, 3375 Dale St., San Diego, at $2767 submitted low bid to the Public Works Officer, 11th Naval District, San Diego, March 1, for asphalt surface on plank roadway at the Naval Operating Base (Air Station), San Diego, Spec. No. 7607. The work includes the provision of all materials for and the installation of a wearing surface consisting of crushed rock and emulsified asphalt installed by the penetration method; also the provision and installation of cast iron drains in the middle of the pavement and other miscellaneous work.

The engineer recommendd that the contract be awarded to the low bidder. The other bids were:

O. U. Miracle, San Diego, $2968; B. G. Carroll, San Diego, $3750.

AWARD RECOMMENDED.

WASHOE COUNTY, Nev.—Award of a contract to L. G. Kip, 2516 Seventh avenue, Sacramento, at $30,954.10, by the U. S. Bureau of Public Roads, San Francisco, for placing bituminous treated surfacing (road mix) on Section A of Route 2 of the Mt. Rose National Forest Highway, Tahoe National Forest, Washoe County, has been recommended by C. H. Sweetser, District Engineer.

CONTRACT AWARDED

SAN DIEGO, Cal.—Sim J. Harris, 3375 Dale St., San Diego, at $2,767 awarded contract by the Navy Department (Public Works Office, 11th Naval District) for asphalt surface on plank roadway at the Naval Operating Base (Air Station) San Diego; Spec. No. 7607. Complete bids published Mar. 3.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

MORGAN HILL — WATER SYSTEM — (CITY)

MORGAN HILL, Santa Clara Co., Cal.—W. J. Tobin, 3701 Balfour Ave., Oakland, at $42,463 submitted the low bid to Morgan Hill city council for rebuilding the water system, etc., involving:

(1) 5600 lin. ft. 8-inch mains:
(A) Cement lined pipe;
(B Unlined pipe;
(2) 11,400 lin. ft. 6-inch mains:
(A)Cement lined pipe;
(B) Unlined pipe;
(3) 13,100 lin. ft. 4-inch mains:
(A) Cement lined pipe;
(B) Unlined pipe;
(4) 12 each 8-in. valves;
(5) 26 each 6-in. valves;
(6) 28 each 4-in. valves;
(7) 44 each hydrants;
(8) 19,000 lbs. cast iron fittings;
(9) 200 each service connections with cocks and goosenecks;
(10) 1000 lin. ft. ¾-in. copper pipe;
(11) Deep well pump with motor and control equipment and water depth indicator, complete installed;
(12) Booster pump with motor and control equipment and water depth indicator, complete installed
(13) Recording watt meter complete;
(14) Water meter in Booster pump discharge, complete installed;
(15) Water level indicator system actuated by float in reservoir, with two indicators, installed complete;
RESERVOIR:
(16) 1040 cu. yds. excavation;
(17) Lump sum reservoir structure complete (Type A construction) including:
2460 cu. ft. poured concrete;
350 cu. ft. gunite covering;
4400 lbs. reinforcing steel;
38 bands (with 5 turn buckles ea)
Roof with door, louvres, sheathing, piping and valves;
(17-A) Reservoir structure, Type A, alternate with walls entirely of gunite, including:
1190 cu. ft. poured concrete;
1304 cu. ft. gunite concrete;
Reinforcing steel, etc., as shown;
(17-B) Lump sum Type B reservoir construction alternate including:
2810 cu. ft. poured concrete;
32 cu. ft. gunite or plaster covering above concrete;
12,000 lbs. reinforcing steel;
Roof with door, louvres, sheathing, piping and valves.

Complete total bids follow:

(A) W. J. Tobin, Oakland.....$42,463.00
(B) Herman Lawson, S. F..... 43,619.96
(C) P. L. Burr, S. F..... 44,049.00
(D) N. M. Ball, Berkeley..... 45,945.00
(E) G. C. DeGolyer, Oakland 47,990.00
Alternate 45,318.00
(F) Hary Gould, Sacramento 49,040.00
(G) Scott Company, S. F..... 49,286.00
(H) E. J. Treacy, S. F..... 50,778.00
(I) F. W. Snook, S. F..... 53,020.70

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1A)	$ 1.43	$ 1.475	$ 1.55	$	$ 1.51	$ 1.68	$ 1.625	$ 1.63	$ 1.613
(1B)	1.29	1.365	1.44	1.46	1.41	1.58	1.50	1.53	1.513
(2A)	1.02	1.05	1.07	.....	1.15	1.25	1.48	1.295	1.193
(2B)	.96	.98	1.00	1.16	1.08	1.18	1.728	1.225	1.00
(3A)	.77	.76	.79	.....	.79	.95	.7884	1.02	.90
(3B)	.73	.715	.74	.83	.75	.90	.7424	.977	.86
(4)	40.00	39.09	41.00	45.00	39.00	41.76	43.58	40.26	46.50
(5)	26.00	31.13	26.50	30.00	26.00	29.00	29.31	29.62	32.15
(6)	17.00	22.87	17.00	21.00	18.00	19.70	19.35	18.56	23.35
(7)	54.00	52.88	57.00	66.00	60.00	57.20	55.88	54.00	68.25
(8)	.06	.055	.065	.07	.06	.063	.0692	.065	.085
(9)	3.00	2.58	2.20	5.00	4.50	5.00	3.575	3.00	3.90
(10)	.30	.33	.28	.25	.40	.34	.42	.18	1.01
(11)	1056.00	844.00	889.00	300.00	850.00	888.00	1120.67	1411.00	1120.00
(12)	575.00	1594.00	695.00	750.00	575.00	462.50	1625.00	1821.31	1366.00
(13)	400.00	267.00	220.00	200.00	260.00	300.00	264.00	261.00	279.00
(13)	180.00	113.00	100.00	100.00	102.00	111.00	110.50	122.00	101.00
(15)	895.00	1347.00	687.00	750.00	900.00	845.00	1386.50	1294.00	1426.00
(16)	.60	.90	1.05	.75	1.50	1.00	.65	1.00	.38
(17)	4854.00	4600.00	4970.00	.....	5100.00	.....	4860.00	3711.00	4935.00
(18)	4954.00	4200.00	4970.00	.....	4675.00	.....	4828.00	4000.00	4415.00
(19)	4754.00	4300.00	4620.00	3400.00	4500.00	.....	3955.00	3354.00	4173.00

NEVADA — SURFACING — STATE

LANDER AND EUREKA CO., Nevada.—As previously reported, George French, Jr., P. O. Box 107, Stockton, Cal., at $88,857.46 awarded contract by the Nevada Highway Commission, Carson City, for roadmix asphaltic surfacing 33.45 miles of Route 2, Sections F1, F2-A1, between 12-miles East of Austin and 14 miles West of Hay Ranch, in Lander and Eureka Counties.

Complete bids follow:

(A) Geo. French, Jr., Stockton, Cal., $88,857.46.
(B) C. F. Fredericksen & Sons, Lower Lake, Cal., $93,107.65.
(C) J. C. Compton, McMinnville, Ore., $96,048.80.
(D) J. A. Casson, Hayward, $101,243.74.
(E) U. B. Lee, San Leandro, Calif., $111,164.39.
(F) Engineer's Estimate, $109,697.39.

Unit Items and Prices Follow:

(1) 735,819 gals. asph. rd. material, Type SC-2.
(2) 53,590 gals. asph. rd. material, Type MC-2.
(3) 33.45 miles roadmix
(4) 33.45 miles finish roadway.

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	.09	.032	.095	.105	.115	.11
(2)	.125	.13	.125	.15	.12	.13
(3)	450.00	500.00	550.00	450.00	550.00	600.00
(4)	25.00	50.00	30.00	25.00	50.00	50.00

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—DeLuca & Son, 1745 Filbert St., San Francisco, at $19,800 submitted low bid to Constructing Quartermaster at Hamilton Field for the construction of a boat house at Hamilton Field. The work includes wood piling foundation with pre-cast concrete pipe casing; erecting government furnished steel trusses, columns, wind-bracing, steel sash and mullions; furnishing other structural steel, asbestos protected metal roof, metal lath and plaster partitions, cement gun stucco work, hardware, painting, glazing.

Total bids follow:

(A) DeLuca & Son, San Francisco, $19,800.
(B) Oliver S. Almlie, San Francisco, $20,700.
(C) Fred J. Early, San Francisco, $20,970.
(D) Frank J. Reilly, San Francisco, $21,841.
(E) Young & Horstmeyer, San Francisco, $22,200.

Unit quantities follow:

(1) work complete;
(2) wood piles, per lin. ft.;
(3) precast concrete pipe casing (24-in. inside diameter per 5-ft. sec.;
(4) concrete, type A (including forms) per cu. yd.;
(5) concrete, Type B do;
(6) reinforcing steel, per ton;
(7) stuco (cement gun method) per sq. yd.;
(8) ¾-in. galv. steel cable, per lin. ft.;
(9) asbestos protected metal roofing, per 100 sq. ft.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$19,800	$20,700	$20,970	$21,841	$22,200
(2)	.85	1.05	.80	.75	.75
(3)	26.00	20.00	18.00	25.00	19.00
(4)	18.00	15.00	12.00	20.00	19.00
(5)	20.00	16.00	18.00	22.00	20.00
(6)	90.00	90.00	84.00	85.00	85.00
(7)	4.20	4.00	3.00	4.50	3.25
(8)	.21	.40	.20	.15	.20
(9)	23.00	25.00	23.00	23.00	23.00

COMPLETE BID LISTING.

EUREKA and White Pine Counties, Nev.—As previously reported, George French, Jr., P. O. Box 107, Stockton, Calif., at $43,982.24 awarded contract by the Nevada State Highway Commission for roadmix asphaltic surfacing 16.80 miles of Route 2, Sections C1 and B, between Antelope Summit and Illipah, in Eureka and White Pine Counties.

Complete bids follow:

(A) Geo. French, Jr., Stockton, $43,082.24.
(B) U. B. Lee, San Leandro, Cal., $48-524.66.
(C) J. C. Compton, McMinnville, Ore., $49,956.15.
(D) J. A. Casson, Hayward, $50,271.10.
(E) Engineer's estimate, $51,408.94.

Unit items were:

(1) 223,358 gals. asph. road material, Type SC-2 (78A);
(2) 16,380 gals. do, Type MC-2 (78A);
(3) 146,291 gals. do, Type SC-2 (44);
(4) 10,728 gals. do, Type MC-2 (44);
(5) 16.80 miles roadmix;
(6) 16.80 miles finish roadway.

S. C. Durkee, engineer.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1).....	$ .087	$ .09	$ .095	$ .10	$ .10
(2).....	.12	.11	.13	.15	.13
(3).....	.077	.105	.10	.10	.10
(4).....	.11	.11	.13	.15	.13
(5).....	500.00	550.00	600.00	500.00	600.00
(6).....	50.00	50.00	30.00	50.00	50.00

COMPLETE BID LISTING

CLARK COUNTY, Nevada. — Dodge Const. Co., Inc., Fallon, at $37,205.93 awarded contract (as previously reported) by the Nevada State Highway Commission, Carson City, for roadmix asphaltic surfacing on 14.87 miles of Route 5, Sections D4 and E, between Las Vegas and Charleston Park Road in Clark County.

Complete bids follow:

(A) Dodge Const. Co., Inc., Fallon, $37,205.93.

(B) U. B. Lee, San Leandro, Calif., $39,878.00.

(C) Engineer's estimate, $37,495.64.

Unit items were:

(1) 349,169 gals. asph. road material, Type SC-2

(2) 25,459 gals. do, Type MC-2;

(3) 1.01 miles roadmix, 40-ft. width;

(4) 13.86 mi. roadmix, 20-ft. width;

(5) 14.87 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)
(1).....	$ .07	$ .0775	$ .07
(2).....	.10	.10	.09
(3).....	1,000.00	1,200.00	1,000.00
(4).....	600.00	600.00	650.00
(5).....	60.00	50.00	50.00

BIDS OPENED

SUNNYVALE, Santa Clara Co., Cal. —A. J. Raisch, Burrell Bldg., San Jose at $5,415 (Item 1) and at $4,854 (Item 2) submitted low bid to the Public Works Office, 12th Naval District, 100 Harrison St., San Francisco, for improvements to roads at the Naval Air Station, Sunnyvale; Spec. No. 7586. Work involves asphalt macadam to be applied on waterbound macadam rd. and resurfacing of existing road.

Unit items follow:

(1) job complete;

(2) job complete (omitting resurfacing of Bushnell Road and Westscott Road.

Complete bids follow:

A. J. Raisch, San Jose, (1) $5415 (2) $4854.00.

Lee J. Immel, Berkeley, (1) $6397 (2) $687.00 (irregular).

Granite Const. Co., Ltd., Watsonville, (1) $6458 (2) $5858.

E. A. Forde, San Anselmo, (1) $6,-690 (2) $5968.26.

Pacific Truck Service, Inc., San Jose (1) $7095.94 (2) $6336.94.

Tiffany Const. Co., San Jose, (1) $7100 (2) $6300.

O. V. Freeman, Palo Alto, (1) $7,-691 (2) $6591.

Peninsula Paving Co., San Francisco, (1) $7722.66 (2) $7085.41.

O. G. Ritchie, San Jose, (1) $8374.50 (2) $7545.35.

BIDS OPENED

ANHEIM, Orange Co., Cal.—Following bids received by the Anaheim city council for furnishing voltage regulators and switches for the municipal power plant:

(1) two automatic in-door-type voltage regulators;

(Alt. 1) four 800-amp. 7500-volt single poles double throw switches;

(2) two 400-amp. 7500-volt single pole single throw switches;

(3) Alt. automatic step voltage regulators must be so they can be used on 3-phase, 4-kv., 50-cycle in future.

Prices are f.o.b. City of Anaheim warehouse.

General Electric Co., Los Angeles, (1) $3178; (Alt. 1) $3423; (2-3) $400.00.

Westinghouse Elec. & Mfg. Co., Los Angeles, (1) $3178; (Alt. 1) $3,423; (2-3) $430.00.

Graybar Electric Co., Los Angeles, (1) $2178 (Alt. 1) $3423 (2-3) $400.00.

Allis-Chalmers Co., Los Angeles (1) $3012; (Alt. 1) $.....; (2-3) $463.00.

All bids were taken under advisement until March 13. J. E. Brown, 518 S Los Angeles St., Anaheim, consulting engineer. J. W. Price, city clerk.

BIDS OPENED.

REDLANDS, San Bernardino Co., Cal.—The following bids were received by the Redlands Water Department, March 1, for furnishing welded steel pipe for the proposed highline water supply pipeline to be constructed from the Country Club reservoir to the filter plant in Mill Creek Canyon, about 7 miles. The labor for constructing the line will be supplied by the CWA, which will also purchase 8000 ft. 20-in. 10-gauge pipe in addition to the amount to be furnished under the following informal bids:

(1a) 8,820 ft. 20-in. 10-gauge pipe.

(1b) 14,280 ft. 20-in. 12-gauge pipe.

(2) 5,580 ft. 22-in. 12-gauge pipe.

The following were bidders:

(A) Consolidated Steel Corp.

(B) Southern Pipe & Casing Co.

(C) West Coast Pipe & Steel Co.

(D) Western Pipe & Steel Co.

(E) Lacy Mfg. Co.

(F) American Pipe & Steel Co.

(G) Southwest Pipe & Welding Co.*

	(1a)	(1b)	(2)
(A)	$1.15	$ .88	$ .99
(B)	1.125	.94	1.02
(C)	1.14	.927	1.00
(D)	1.20	1.04	1.19
(E)	1.25	1.11	1.21
(F)	1.29	1.05	1.22
(G)	1.44	1.11	1.36

* F.O.B. trenchside.

The bids were referred to Geo. H. Hinckley, Chief Engineer.

ARIZONA STATE — WIDENING PAVEMENT

ARIZONA STATE. — As previously reported, O. F. Fisher, 516 S Seventh St., Phoenix, at $23,690.02 submitted low bid to the Arizona State Highway Commission, Phoenix, for highway construction on N.R.M. 97-D, the Mesa-Casa Grande Highway. The work, all of which is located inside the city limits of Chandler, consists of the widening of existing pavement with Portland cement concrete, the construction of concrete curbs, gutters, sidewalks, part circle culverts and other incidental work and is to be completed on or before May 31, 1934, involving:

(1) 9641 sq. yds. grading under paving;

(2) 9641 sq. yds. conc. pavement (CIP) (except grading);

(3) 529 lin. ft. single conc. curb (CIP incl. excavation);

(4) 633 sq. ft. conc. gutter (CIP incl. excavation);

(5) 217.5 sq. ft. conc. sidewalk (CIP incl. excavation);

(6) 66 lin. ft. 18-in. x 5-in. part circle CMP (CIP incl. excavation);

(7) 218 lin. ft. 24-in. x 6¼-in. part circle CMP (CIP incl. excavation);

(8) 31 lin. ft. 18-in. x 6⅛-in. part circle CMP (CIP incl. excav.);

(9) 31 cu. yds. Class A conc. (CIP incl. cem.);

(10) 457 lbs. reinf. steel (CIP).

Bidders follow:

(A) O. F. Fisher, Phoenix.

(B) Schmidt-Hitchcock, Phoenix.

(C) Phoenix-Tempe Co., Phoenix.

(D) W. E. Hall Co., Alhambra.

(E) R. E. Martin Co., Tucson, Ariz.

(F) Arizona Sand & Rock Co., Phoenix

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	Total
(A).....	$ .24	$1.97	$ .79	$ .48	$ .27	$1.38	$2.16	$1.45	$21.60	$ .09	$23,006.92
(B).....	.30	2.25	.72	.22	.20	.58	1.40	.90	20.00	.06	25,707.33
(C).....	.30	2.15	.75	.60	.30	2.50	4.50	2.50	30.00	.06	26,202.17
(D).....	.30	2.26	.70	.32	.18	1.50	3.00	2.00	20.00	.07	26,299.16
(E).....	.20	2.40	.70	.70	.10	.75	1.60	1.20	18.00	.06	26,454.67
(F).....	.30	2.53	.65	,28	.23	1.57	2.28	1.86	18.29	.07	28,603.05

SAN DIEGO CO. — Three Timber Bridges — (State)

SAN DIEGO COUNTY, Cal.—V. R. Dennis Const. Co., 3911 Fifth Ave., San Diego, at $63,893 submitted low bid to the State Highway Commission, Sacramento, for construction of three bridges between one and six miles south of National City (XI-S.D.-2-F) one across Otay river consisting of twenty-three 19-foot timber stringer spans on timber pile bents, one across South Sweetwater channel consisting of nineteen 19-foot timber stringer spans on timber pile bents, and one across North Sweetwater Channel consisting of eight 19-ft. timber stringer spans on timber pile bents in San Diego County.

Complete bids follow:

(A) V. R. Dennis Const. Co., San Diego, $63,893.00.

(B) Geo. Hess, Los Angeles, $64,690.

(C) Lynch-Cannon Engr. Co., Los Angeles, $65,713.90.

(D) B. O. Larsen, San Diego, $66,000.

(E) Sharp & Fellows Contr. Co., Los Angeles, $66,407.80.

(F) R. R. Bishop, Long Beach, $66,-793.00.

(G) Wm. T. Loesch & Son, Pasadena, and E. G. Perham, Los Angeles, $69,045.85.

(H) Jerome K. Doolan, Pasadena, $69,669.00.

(I) Byerts & Dunn, Los Angeles, $70,-108.00.

(J) Walter Trepte, San Diego, $72,-594.00.

Unit items follow:

(1) 4,800 cu. yds. channel excav.;

(2) 290 cu. yds. concrete to be removed and disposed of;

(3) 14,030 lin. ft. furnishing treated Douglas fir piles including test piles;

(4) 446 each drive do;

(5) 501 MFBM redwood timber bents select all-heart struc. grade;

(6) 131 MFBM redwood timber, sel. all-heart struc. grade;

(7) 37 cu. yds. Class B Portland cement concrete;

(8) 660 tons asphalt concrete;

(9) 13,000 lbs. structural metal;

(10) 1 lot misc. items of work.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .25	$ .60	$ .35	$ .60	$ .30	$ .30	$ 1.00	$ .80	$ .50	$ .40
(2)	2.50	5.00	3.00	3.00	2.50	2.00	2.50	3.00	4.00	5.00
(3)	.50	.55	.43	.50	.50	.50	.50	.50	.50	.60
(4)	12.00	10.00	20.00	9.00	10.80	9.75	12.00	10.50	15.00	15.00
(5)	70.00	70.00	71.00	70.00	71.00	75.00	74.50	78.00	74.00	78.00
(6)	66.00	68.00	65.00	70.00	80.00	72.00	68.50	73.00	65.00	73.00
(7)	15.00	14.00	15.00	16.00	22.00	15.00	15.00	15.00	12.00	15.99
(8)	6.50	4.00	4.00	7.00	6.00	5.00	4.35	3.50	6.00	6.50
(9)	.07	.08	.06	.08	.07	.08	.09	.09	.10	.06
(10)	500.00	307.50	750.00	1129.00	1000.00	1800.00	619.85	900.00	2000.00	300.00

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Bonneville Dam Site Relocated

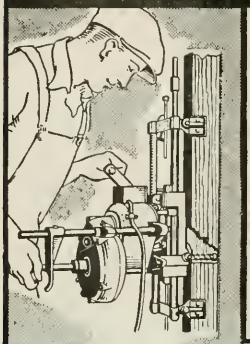
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

Vol. XVII—No. 11

MARCH 17, 1934

WAPPAT Electric TOOLS



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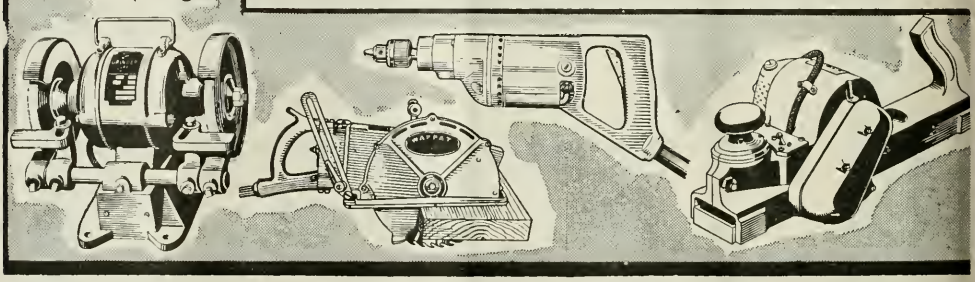

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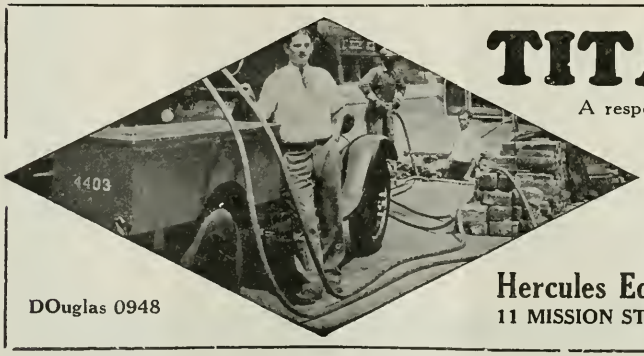

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Vol. XVII SAN FRANCISCO, CALIF., MARCH 17, 1934 No. 11

CHANGE PLANS FOR BONNEVILLE DAM LOCATION

Engineers' Recommendation For New Site Affects Two Contracts

Revised plans for construction of the Bonneville Dam on the Columbia River will place the main structure about 3000 ft. downstream from the original location, Colonel Thomas M. Robins, Pacific Division engineer of the War Department, said yesterday. The changes have been recommended by the board of engineers.

The change is due to discovery of a rock foundation at a lesser lepth at the lower site, reducing necessary excavation. A considerable saving on the estimated cost is possible under the new plan, engineers stated.

The powerhouse site and the navigation lock will not be affected by the change in plans for the spillway dam. Excavation for the powerhouse and lock is now under way under contract awarded to Guy F. Atkinson Company of San Francisco and Portland.

The General Construction Co. of Seattle, which had the contract for the excavation work in connection with the side dam between Boat rock and Bradford island, which will not be required under the new plans, will be reimbursed by the government for work conducted and an adjustment of the contract will be made. This company was withdrawn from activity on the project when excavation and cofferdam work was halted in December by the winter high water.

A tentative award of contract to Johnson Bros., Inc., and Eivind Andersou for construction of the side dam will be withdrawn and all bids received will be rejected. The low bid was $878,305.

CODE ERROR IS CORRECTED

An amendment to the Construction Industry Basic Code of Fair Competition was required to include the name of the National Electrical Contractors' Association as one of the sponsoring organizations. The name of the association was omitted by error from the final draft of the code, General Hugh S. Johnson informed the President in a letter recommending the amendment. The association had qualified prior to the submission of the code as a sponsor, but omission of the name disqualified the organization from membership in the Code Authority temporarily. The amendment was approved immediately with consent of all sponsors.

Revised Wages Postpones Bids On Agnew Work

Changes in the wage scale that will apply on the contract for erecting a cottage for the assistant physician at Agnews State Hospital yesterday resulted in a postponement of the bid opening date by State Architect George B. McDougall to April 3. The bids were to have been received March 27 at Sacramento.

Wage changes were specified as follows:

	New	Old
Bricklayers	$10.28	$11.00
" Hod Carriers	7.44	6.50
Carpenters	8.00	6.00
Cement Finishers	8.00	7.00
Building Laborers	6.00	4.00
Concrete Laborers	6.00	4.00
Lathers	10.00	8.00
Plasterers	10.00	8.00
" Hod Carriers	8.80	6.00
Plumbers	10.28	9.00
Sheet Metal Workers	9.44	8.00

$2,500,000 PWA LOAN AND GRANT FOR WATERWORKS

Salem to Construct New System With Aid of Federal Money

Increase of $1,000,000 in the allotment to the city of Salem, Oregon, for the municipal water system project, brings the total PWA loan and grant to $2,500,000, making possible construction of a complete new supply and distributing system.

At the time the original allotment was made some months ago the city expected to acquire the present privately owned water system and remodel, extend and improve it to adequately serve the residents of the city. The first allotment made by PWA was to cover the cost of remodelling and improving the system after it had been acquired. However, the city has been unable to purchase the old system on satisfactory terms and has decided to build a complete new system, which the increased allotment made today will enable it to do.

Salem has been trying to get waterworks construction under way with the original allotment but was unable to reach agreements permitting employment to start. The city feared the original allotment would be rescinded but city officials said with the new allotment, work would start promptly.

The approximate cost of the labor and materials to be used on the project as the city now plans to construct it will be $2,338,000, of which 30 percent will be a grant. The balance will be a loan of four percent interest secured by revenue and general obligation bonds.

BIDS APRIL 5 ON ALSEA BAY BRIDGE JOB

Tentative Dates Set For Other Openings Under $5,000,000 Program

Bids will be received April 5 for the Alsea Bay bridge, first of five large highway bridges to be constructed for the Oregon State Highway Commission at an aggregate cost of $5,000,000.

C. B. McCullough, state bridge engineer, announced that definite dates for opening proposals for the other four bridges would be determined at an early date. The dates have been set tentatively as April 26 for the Coos Bay Bridge at North Bend; May 17 for the Yaquina Bay bridge at Newport; June 7 for the bridges over the Umpqua river at Reedsport and the Siuslaw river at Florence.

Federal funds allotted to the state by the Public Works Administration are financing the bridges in part. Each contract will be subject to PWA requirements. The Northern District wage scale of the PWA will apply as follows: Skilled labor, $1.20 an hour; semi-skilled labor (Class A), $.90 an hour; semi-skilled labor (Class B), $.75 an hour; unskilled labor, $.50 an hour.

The Alsea Bay crossing is located near Waldport. It will consist of a reinforced concrete bridge 3,028 feet long with 24-foot roadway and two 3 ft. 6 in. sidewalks and made up of two 57-foot concrete girder spans, three 150-foot deck arch spans, one 154-foot through tied arch span, one 210-foot through arch pan, one 154-foot through tied arch span, three 150-foot deck arch spans and 1462 lineal feet of viaduct.

The estimated quantities include 7,200 cu. yds. foundation excavation; 82,000 lin. ft. foundation piling; 18,000 cu. yds. concrete; 2,000,000 lbs. reinforcing steel; 300,000 lbs. structural steel; 6,200 lin. ft. concrete handrail.

Plans and specifications are available from the State Highway Commission, Room 322, State Office Building, Salem, Oregon, upon deposit of $5.00. They will be on file at the offices of the Associated General Contractors in San Francisco, Spokane, Seattle and Portland.

BRIDGE MATERIAL CONTRACT IS LET

SACRAMENTO, March 14. — Award of a contract to Robert D. Pike, 4069 Hollis St., Emeryville, at $69,720 ($2.49 per cubic yard) for furnishing 28,000 cubic yards of lightweight aggregate for paving the upper deck of the San Francisco - Oakland Bay bridge was announced today by State Purchasing Agent J. F. Misply. Pike submitted the lowest of three bids received January 24 for the material. Delivery is to be made at the rate of 1000 cubic yards a month from January 1, 1935, to December 31, 1935, and at the rate of 2000 yards a month from January 1, 1936 to August 31, 1936.

Nevada Awards $171,000 State Highway Contracts

CARSON CITY, Nev.—Two highway construction contracts were awarded today by the Nevada State Highway Directors on low bids aggregating approximately $171,000.

The awards were as follows:

Isbell Const. Co., Carson City, at $116,510 for grading and surfacing 12.29 miles of Section A, Route 10 between California state line and Basalt in Mineral county. Second low bid was submitted by George Pollock Co., Sacramento, at $123,153.

U. B. Lee, San Leandro, at $54,354 for roadmix asphaltic surfacing 31.13 miles in Nye county between 33 miles south of Beatty and two miles south of Beatty. Second low bid was submitted by J. C. Compton, McMinnville, Ore., at $55,239.

ARDEN SCHOOL BONDS APPROVED

School district voters at Arden, Sacramento county, approved by a wide majority a bond issue of $16,500 for alterations and additions to the Arden school, while voters at Turlock defeated a $75,000 proposed issue to construct new buildings at the Turlock high school plant, in special elections this week.

The Arden district will apply for a grant from the Public Works Administration to supplement the bond money.

PLANS READY ON SEVEN DAMS IN NINETY DAYS

Reclamation Bureau Sets Tentative Dates for Major Construction Contracts

The Bureau of Reclamation will have completed specifications for construction of seven dams on various projects in western states within the next ninety days, according to a tentative schedule issued by the engineers at Denver.

Approximate dates for issuing bid calls on various major projects are:

Casper-Alcova Project, Wyoming: April 1, Alcova dam; May 15, Seminoe dam.

Grand Coulee Project, Washington: March 15, steel suspension bridge; April 1, Grand Coulee dam.

Metropolitan Water District April 25, Parker dam, near Parker, Arizona.

Humboldt Project, Nevada: April 15, Rye Patch dam.

Ogden River Project. Utah: Mar. 15, Pine View dam.

Moon Lake Project, Utah, June 15, Moon Lake dam.

The Bureau has set April 5 as the date for receiving bids on additional work in the Mitchell Butte division of the Owyhee Project, near Ontario, Oregon. The contract includes 53,700 c.y. of excavation unclassified for structures; 36,500 c.y. backfill; 6,870 c.y. concrete; 1,250 sq. yds dry-rock paving; 1,193,000 placing reinforcement bars; 23,500 lbs. installing gates and miscellaneous metal; 960 l.f. of 54-inch and 60-inch concrete pipe.

On April 3 the Bureau is opening bids for construction of siphons and tunnel for Drain No. 1, Stanfield Project, Oregon.

This contract involves 55,650 c.y. of unclassified open cut excavation; 1200 c.y. tunnel excavation; 6,000 c.y. backfill; 250 sq. yds. dry-rock paving; 930 c.y. concrete in structures; 300 c.y. concrete in tunnels; 125,500 lbs. reinforcement bars; 2,500 lbs metal work; 530 l.f. laying 15-inch and 36-inch corrugated metal pipe.

BOULDER STEEL BIDS APRIL 5

Bids are to be opened at Denver by the Bureau of Reclamation on April 5 for furnishing structural steel necessary to erect the Boulder Dam power plant. The proposals are for furnishing steel only, f.o.b. cars at factory or at Boulder City. It will be installed by the government. Items include roof trusses, girders, columns, purlins, crane rails, crane rail supports and other miscellaneous framework.

REGISTRATION OF CONTRACTORS TOTALS 21,340

Gain of 268 Licenses on State Roll During Month

There are now 21,340 contractors licensed in the State of California, an increase of 268 over the 21,072 registrations at the close of last month, Registrar Carlos Huntington states in his monthly report to the governor.

Of the total registrations, 3511 represent new licenses, and 17,829 are license renewals.

This contractors registration of 21,340 compares with the 22,365 licensed at the close of the last fiscal year, June 30, 1933. With four months remaining the present fiscal year, indications are that the registrations will exceed the total for last year.

Continuing, the report says:

"A warning was issued to the building contractors in the Porterville district against deviation from city building laws as a result of evidence introduced at a hearing in a complaint filed by Roy Witt and C. P. Bradley against W. H. Sewell, all Porterville contractors. Sewell was found guilty of violation of the Porterville plumbing ordinance, but no penalty was imposed.

"The evidence in the Porterville hearing indicated a degree of laxity upon the part of a number of the local contractors. All future violations will result in a penalty unless written permission is obtained from the building inspector to depart from the building laws.

"As a result of evidence introduced at formal hearings on charges filed against the contractors, the licenses of 15 builders were necessarily suspended during the past month. In four cases, the contractors were found guilty of charges and their licenses were unconditionally revoked.

"In the previous month, only two licenses were revoked and seven licenses suspended.

S. F. FIRMS LOW ON ALCATRAZ WORK

WASHINGTON, D. C., March 12—West Coast Electric Works, 160 Tenth Street, San Francisco, at $27,900 submitted low bid to the Bureau of Prisons here today for installing a power plant at Alcatraz Island. Second and third low bids were offered by Alta Electric and Mechanical Co., San Francisco at $28,660 and Star Delta Electrical Works San Francisco, at $29,160.

The contract includes furnishing and installing steam turbine generator, gasoline engines, emergency generator switch-board and wiring.

Estimate 40,000 Dwellings Needed By Californians

The shortage of single - family dwellings in the United States is estimated at 900,000 units by Sanford Anderson, of Inglewood, president of the California Building-Loan League.

"This means an indicated shortage in California of more than 40,000 homes." Mr. Anderson declared in speaking before a conference of real estate brokers in Los Angeles.

"Building of new residences at one time was $2,000,000,000 a year" he said. "Now it is scarcely $15,000,000 a month. The shortage in homes due to various continuing causes makes it certain home building will resume. The families are beginning to undouble. With the apparent improvement in general business which is being reported from many sides, there is due to be an indicated general revival."

TO VOTE ON BONDS FOR CARMEL HALL

A bond issue of $50,000 for erection of a new city hall will be preposed to Carmel voters at the regular municipal election April 9.

If the bonds are approved the city hopes to obtain a 30-percent grant from the Public Works Administration to complete financing.

TULARE SCHOOL BONDS DEFEATED

A proposed issue of $110,000 in bonds for financing a new high school auditorium was defeated by Tulare voters at a special election March 10. The vote was 1011, yes, to 614, no, lacking a two-thirds majority necessary.

STATE LICENSE FORFEITED BY L. A. CONTRACTOR

Penalty Inflicted For Abandonment of Terminal Pumping Job

SACRAMENTO, March 13.—Revocation of his state contractor's license was the penalty meted out to Gene B. Foster, Inc., 1772 Sycamore Avenue, Los Angeles, following his conviction on misrepresentation and illegal abandonment of work on the new Terminal Way sewerage pumping plant in Los Angeles.

This was disclosed here today by Col. Carlos W. Huntington, state registrar of contractors, and director of the state department of professional and vocational standards.

Foster was also found guilty on two other counts of violation of the state contractors act following a formal hearing and investigation of charges filed by the Massachusetts Bonding and Insurance Company, 458 S. Spring Street, Los Angeles.

In addition to illegal abandonment, the Foster firm is alleged to have falsified a statement of his assets on an application to the bonding company for a faithful performance bond. He was also convicted of failure to complete the project for the price specified in his contract, as required by state law.

As a result, it was pointed out at a formal hearing conducted by I. L. Swearingen, referee in the registrar's office, the bonding concern has already lost $5,300, which was paid to the City of Los Angeles under a faithful performance bond. The firm, evidence showed, may also be compelled to pay an additioned $4,000 to $6,000 for labor and materials.

Foster claimed he abandoned the project after considerable work, when he found that another sewer line nearby was pumping water into his sewer faster than he could pump it out. He contended it was impossible for him to complete the project under this condition and appealed to the City of Los Angeles for an additional appropriation for the project.

This request, however, was denied by Los Angeles city authorities, who demanded that the Foster firm complete the project and who contended that plans clearly showed the existence of the other sewer line.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

NEW BUSINESS AT U. S. MILLS CONTINUES GAIN

First Week of March Sets Record for Year, Association Reports

New business booked at the lumber mills made further gains during the week ended March 3, exceeding the record of any week of the previous three months; shipments were the highest since September; production was slightly lower than the preceding 2 weeks, according to telegraphic reports to the National Lumber Manufacturers' Association from regional associations covering the operations of leading hardwood and softwood mills. For the first time reports were received from mills in the Northeastern division, 25 reporting. Totals shown by 1,329 American mills were production, 173,887,000 feet; shipments, 190,949,000 feet; orders, 207,471,000 feet. Revised figures for the previous week for 1,336 mills were production, 181,-606,000 feet; shipments, 178,795,-000 feet; orders, 191,102,000 feet.

During the week ended March 3, all regions but Northern hemlock and Northeastern hardwoods reported orders above production, total softwood orders being 19 per cent above output; hardwood orders, 22 per cent above hardwood production. All regions reported orders above those of corresponding week of last year. Total orders were 75 per cent above those of similar week of 1933; production was 75 per cent above that of last year; shipments showed gain of 21 per cent in similar comparison.

During nine weeks of 1934 to date, orders were 5 per cent above production and shipments were 6 per cent below production. During this period production was 51 per cent heavier than that of the same mills during similar weeks of 1933, shipments were 21 per cent greater than in 1933 and orders were 37 per cent in excess of those booked during the first nine weeks of last year.

Forest products carloadings during the holiday week ended February 24 were 22,505 cars, a decrease of 509 cars below the preceding week but 8,233 cars above the same week of 1933 and 2,865 cars above similar week of 1932.

SEWAGE PLANT BONDS DEFEATED

A proposed bond issue of $83,700 for construction of a new sewage treatment plant was defeated by voters of the Carmel Sanitary District by a vote of 350 against to 184 in favor at a special election March 18.

Directors of the district said they had no immediate plans for improving the sewage disposal facilities as a substitute for the new treatment plant.

To Prosecute Mill Proprietor Under NRA Code

Less than 24 hours after General Hugh S. Johnson, NRA Administrator, in a nation - wide broadcast warned violators of industrial codes that "we are not going out to revive public sentiment for the Blue Eagle, but under specific orders from the President we are reorganizing to enforce the penal sections of the act," the NRA Compliance Division turned back to the Department of Justice in its case against W. E. Belcher, operator of lumber mills at Centreville, Ala., with a statement that its efforts to settle the case out of court had failed. An official of the Department of Justice stated that the case would be turned over to the local Federal District Attorney for immediate resumption of prosecution.

Proceedings against Belcher by the Department of Justice were undertaken in January, but had been held in abeyance pending negotiations at Belcher's request for bringing his mills under Code regulations. Insistence by the Compliance Division, however, that Belcher make full restitution of all back wages due his employes for the period of the Lumber Code's operation, and Belcher's contention that he could not do so, prevented a satisfactory settlement, according to the Compliance Division's report.

1934 Officers Are Elected by Oakland Exchange

Election of officers for 1934 was announced yesterday by the new board of directors of the Oakland Builders' Exchange. S. J. Bertelsen, general contractor, was named president; William Makin, plastering contractor, treasurer; Wm. E. McGrath, of McGrath Steel Co., vice-president; Frank Moller, insurance broker, secretary.

Directors were elected at the annual election Monday as follows:

S. J. Bertelsen, Wm. Makin, Wm. McGrath, Frank Moller, A. C. Boccio, H. J Christensen, W W. Harmon, Walter B. Innes, Ralph King, Frank E. Miller, Pierce Ricker, William Rigney.

HOUSING CORP. ORGANIZATION IS APPROVED

Attorney-General Finds Division of PWA Legal Under Recovery Act

In a ruling in the controversy between Secretary Ickes and Comptroller General McCarl on the status of the Public Works Emergency Housing Corp., Attorney - General Cummings stated that Title II of the Recovery Act authorizes the President to create corporate agencies to effect purposes of the title, that such corporations may be created under the laws of a state but that there are "some reasons" why it may be preferable to organize in the District of Columbia rather than in Delaware. The Attorney-General eld that organization expenses and capital stock required for incorporation under state law may be covered out of the public works appropriation, but that corporate powers may not exceed those necessary to carry out the public works program. Mr. Cummings suggested that the certificate of incorporation should be amended.

The housing corporation's determination as to the necessity of securing options in assembling a particular tract of land and the amount to be paid for such options is not subject to review by the Comptroller General, it is stated. The Attorney-General also ruled that the corporation may purchase and convey property in its own name but that, in exercising the power of emient domain, proceedings must be in the name of the United States. Titles to land acquired by the corporation must be examined and approved by the Attorney - General before payment can be made, according to the ruling.

The questions referred by Secretary Ickes to the Attorney-General were raised by the Comptroller General several weeks ago and brought operations of the Housing Corporation to a standstill. Mr. Ickes reclined to comment on Attorney-General Cumming's opinion, which removed the principal obstables of the corporation's operation. Several of Mr. McCarl's contentions were sustained, and it is believed probable that the housing corporation's operations will be brought into conformity with the Attorney-General's opinion.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
128	Schmidt	DeLucchi	2000
129	Pacific	Lindgren	40000
130	Meyer	Owner	4000
131	Barrows	Williams	23875
132	Quistad	Owner	30000
133	O'Connor	Paganini	4096
134	Selix	Mullen	5000
136	Sadie	Callaghan	2996
137	S. P. Co.	Owner	5000
138	Morino	Owner	1800
139	Grubini	Coburn	1000
140	Kruger	Mager	4000
141	Shemanski	Owner	4000
142	Simon	Franceschi	1000

DWELLING
(128) NE EGBERT 25 S Phelps; one-story and basement frame dwelling.
Owner—Charles Schmidt, % 3275 San Bruno Ave.
Architect—Not Given.
Contractor—De DeLucchi & Con, 3275 San Bruno Ave. $2000

ADDITION
(129) S SACRAMENTO bet. Taylor and Mason St.; addition to club.
Owner—Pacific Union Club, California and Mason Streets.
Architect—Geo. W. Kelham, 345 Montgomery Street.
Engineer—H. J. Brunnier.
Contractor—Lindgren & Swinerton, 625 Standard Oil Bldg. $40,000

ALTERATIONS
(130) SE SEVENTH and Minna Sts.; alterations to stores and apts.
Owner—H. L. E. Meyer Jr., 2650 Green Street.
Architect—Noble and A. T. Newsom, 1125 Russ Bldg.
Contractor—Not Yet Selected. $4000

DWELLING
(131) S VALLEJO 40 W Baker St.; three - story and basement frame dwelling.
Owner—Stanley Barrows, 98 Estero.
Architect—Masten & Hurd, 233 Post.
Contractor—E. W. Williams Co., 315 Primrose Road, Burlingame. $23,875

APARTMENTS
(132) SW BEACH and Webster Sts.; three - story and basement frame apt. house (39 rooms, 15 families).
Owner—Thomas Quistad, 2100 North Point Street.
Architect—Richard R. Irvine, 1849 Chestnut St. $30,000

HOME
(133) NW STOCKTON AND O'FARrell Sts. One-story frame model home.
Owner—O'Connor Moffatt & Co., Prem.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Engineer—H. B. Hammill.
Contractor—David Paganini. $4096

(134) 930 MARKET ST.; alter store.
Owner—Selix Clothing Co., 930 Market Street.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch St. $5000

FLATS
(135) N FILBERT 100 E Franklin St. Two-story frame flats (2 family).
Owner—E. Besozzt, 1801 Hyde St., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Engineer—T. F. Boyle. $12,000

REPAIRS
(136) 1029 TO 1035 HAIGHT STREET. Fire replacement to hotel.
Owner—Mr. Sadie, 1035 Haight St., San Francisco.
Architect—Not Given.
Contractor—J. Callaghan, 900 Clayton St., San Francisco. $2996

ALTEARTIONS
(137) BET. THIRD, FOURTH, BERry and Channel Sts. Alter terminal warehouse.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—J. H. Christie, 65 Market St., San Francisco. $5000

ALTERATIONS
(138) 1804-1806 SUTTER ST. Alter store.
Owner — L. Morino, 1530 Geary St., San Francisco.
Engineer—T. F. Boyle, 1452 Chestnut St., San Francisco. $1800

REPAIRS
(139) NO. 1732 LYON ST. Repair fire damage to dwelling.
Owner—Mr. Grubini, % Contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $1000

DWELLING
(140) S GERARD ST. 150 N Silliman St. One-story and basement frame dwelling.
Owner—Otto and Lillian Kruger, 23 Moss St., San Francisco.
Architect—Not Given.
Contractor—Mager Bros. & Son, 1359 Fourth Ave., S. F. $4000

DWELLING
(141) SE BALBOA ST. AND 29TH Ave. One-story and basement frame dwelling.
Owner — I. Shemanski, 1017 Market St., San Francisco.
Architect—Not Given. $4000

ADDITION
(142) NO. 333 AVILA SA. Add to dwelling.
Owner—H. Simon, Premises.
Architect—Not Given.
Contractor—L. Franceschi, 222 Cervantes Blvd., S. F. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
97	City	Owner	6475
98	Loughlin	Standard	3800
99	Loughlin	Standard	1200
100	Van Ness	Owner	2700
101	Fratini	Delucchi	1500
102	Poey	Owner	4500
103	Hufschmidt	Owner	4000
104	Flore	Beckett	2500
105	Bastian	Grubb	2000
106	Wagner	DeVelbiss	1000
107	City	Owner	92227
108	Hazel	Larsen	18000
109	Bischoff	Owner	4000
113	Cobb	Atkinson	3500
114	Christensen	Anderson	3600

REPAIRS
(97) NO. 501 FIFTH AVE., OAKLAND. Repairs.
Owner—City of Oakland.
Architect—Not Given. $6475

SERVICE BLDG.
(98) NO. 5003 SHATTUCK AVENUE, BERKELEY. One-story 4-room brick service building.
Owner—W. T. Loughlin, % Standard Oil Co., Oakland.
Architect—Not Given.
Contractor—Standard Oil Co., Financial Center Bldg., Oakland. $3800

SERVICE STATION
(99) NO. 3001 SHATTUCK AVENUE, BERKELEY. One-story 1-room brick service station.
Owner—W. T. Loughlin, % Standard Oil Co., Oakland.
Architect—Not Given.
Contractor—Standard Oil Co., Financial Center Bldg., Oakland. $1200

STORE
(100) NO. 2996 HOPKINS STREET, OAKLAND. One-story store.
Owner—Louis E. Van Ness, 4920 Park Blvd., Oakland.
Architect—Not Given. $2700

ADDITION
(101) NO. 1414 CAMPBELL ST., OAKLAND. Addition.
Owner—G. Fratini, Premises.
Architect—Not Given.
Contractor—P. Delucchi & Son, 5443 Claremont Ave., Oakland. $1500

DWELLING
(102) NO. 2300-02 COOLIDGE AVE., OAKLAND. One-story 6-room 2-family dwelling.
Owner—J. Poey, 1925 34th Ave., Oakland.
Architect—Not Given. $4500

DWELLING
(103) NO. 190 BROOKSIDE DRIVE, BERKELEY. One-story 5-room frame dwelling and garage.
Owner—Hufschmidt & Whalen, 461 Tee Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland St., Oakland. $4000

SERVICE STATION
(104) 1200 MILLER AVE., OAKLAND; one-story concrete service station.
Owner—Rosario Fiore, School Street, Oakland.
Architect—L. H. Ford, 2022 Berkeley Way, Berkeley.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $2500

DWELLING
(105) NO. 1933 105TH AVE., OAKLAND. One-story 4-room dwelling.
Owner—F. Bastian, 1801 109th Ave., Oakland.
Architect—Not Given.
Contractor—Jas. B. Grubb, 1801 109th Ave., Oakland. $2000

REPAIRS
(106) NO. 315 ALCATRAZ AVE., OAKLAND. Fire repairs.
Owner—Maude Wagner, Premises.
Architect—Not Given.
Contractor—C. Dudley DeVelbiss, 354 Hobart St., Oakland. $1000

ALTERATIONS
(107) E FALLON ST., bet. Tenth & 12th Sts., OAKLAND. Alterations and repairs to auditorium.
Owner—City of Oakland.
Architect—Not Given. $92,227

DWELLING
(109) NO. 410 BOYNTON ST., BERKELEY. One-story 6-room frame dwelling and garage.
Owner—J. A. Bischoff, 2717 Russell St., Berkeley.
Architect—Not Given. $4000

WAREHOUSE
(108) FOOT OF EIGHTY-NINTH

Ave., **OAKLAND.** One-story steel warehouse.
Owner—Hazel Atlas Glass Co., Foot of 89th Ave., Oakland.
Architect—Not Given.
Contractor—Larsen & Larsen, 629 Bryant St., San Francisco. $18,000

STORE
(113) NO. 3580 REDWOOD ROAD, **OAKLAND.** One-story store.
Owner — V. Cobb, 1925 Ninth Ave., Oakland.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland. $3600

DWELLING
(114) NO. 1106 EL CENTRO AVE., **OAKLAND.** One-story six-room dwelling.
Owner—A. Christensen.
Architect—Not Given.
Contractor—Chas. Anderson, 3917 Park Blvd., Oakland. $3600

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
28	Barrows	Williams	23344
29	Kruger	Mager	4400
30	Schosser	Petersen	4805
31	Metzger	Bettancourt	1800

DWELLING
(28) S VALLEJO 40 W Baker W 57-3 xS 137-6 WA 574. All work for two-story and basement frame and plaster dwelling with detached garage.
Owner—Stanley H. Barrows, 98 Estero St., San Francisco.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.
Filed Mar. 9, '34. Dated Mar. 8, '34.
Completion and acceptance of frame 25%
Brown coat plaster on 25%
Completed and accepted 25%
Usual 35 days 25%
TOTAL COST, $25,875
Bond, $11,672. Sureties, J. G. Kennedy of San Francisco, and George Ames of Burlingame Limit, forfeit, none. Plans and specifications filed.

BUILDING
(29) S GIRARD ST. 150 N Silliman 25x120. All work for one-story and basement frame building.
Owner—Otto H. and Lillian Kruger.
Architect—Not Given.
Contractor—Mager Bros. & Sons, 1359 Fourth Ave., San Francisco.
Filed Mar. 12, '34. Dated Mar. 9, '34.
Frame up $1100
Brown plastered 1100
Job completed 1100
Usual 35 days 1100
TOTAL COST, $4400
Bond, limit, forfeit, none. Plans and specifications filed.

CLASS A BUILDING
(30) N SIXTEENTH ST. 60 W Mission W 57 N 110 E 25 N 50 E 32 S 160 MB 35. Miscellaneouse iron and steel work, other metal work, etc., and alterations and additions to structural steel, two-story and basement and part mezzanine Class A building with sub-sidewalk area.
Owner—W. F. Schosser.
Architect—J. E. Krafft & Sons, Phelan Bldg., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Filed Mar. 12, '34. Dated Mar. 10, '34.
On 1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $4805.25
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(31) NO. 401 YERBA BUENA AVE., being Lot 20 Blk 3080 Map Westwood Highlands. All work for alterations and addition to one-story and basement frame dwelling.
Owner—Adrian and Carla G. Metzger, Premises.
Architect—Charles F. Strothoff, 2274 15th St., San Francisco.
Contractor—Joseph Bettancourt, 422 San Anselmo St., San Francisco.
Filed Mar. 14, '34. Dated Mar. 12, '34.
Frame up $450
Brown coat plaster on 45
Completed and accepted 450
Usual 35 days 450
TOTAL COST, $1800
Bond, $1800. Sureties, Chas. Monson, 1855 San Bruno Ave., and F. M. McNulty, 561 Huntington Ave., San Mateo. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
15	Moore	Parks	2620

ALTERATIONS
(15) NO. 752 SAN DIEGO ROAD, Berkeley. All work for alterations and additions to dwelling.
Owner—James S. Moore Jr., Premises.
Architect — Edwin L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—R. F. Parks, 1046 Peralta Ave., Berkeley.
Filed Mar. 8, '34. Dated Mar. 5, '34.
Frame completed $665.50
Plastering completed 665.50
When completed 665.50
Usual 35 days 665.50
TOTAL COST, $2620.00
Bond, $2620. Surety, American Employers, Insurance Co. Limit, 35 days. Forfeit, plans and specifications none.

SAN FRANCISCO UNDER $1000

RETAINING wall for garden, $——; 1269 Vallejo St.; owner, Mrs. M. Balk, Premises; contractor, Love & Haun, 666 Mission St.
FLUE, $40; SE Twentieth and Alabama Sts.; owner, Boyd Lindsay, 183 Oxford St.; contractor, New Mission Sheet Metal Works, 3401 Mission St.
ALTER store, $400; 5408 Geary St.; owner, Rousseau & Co., Premises.
BARBER pole, $25; 1188 McAllister; owner, S. Jacobs, Prem.; contractor, Aetna Elec. Co.; 1435 Eddy St.
FLUES (2) $42; 3323 and 3325 20th St. owner, P. Anderson, 4082 Army St.; contractor, New Mission Sheet Metal Works, 3401 Mission St.
REPAIR fire damage to dwelling, $350 1350 Golden Gate Ave.; owner, Mrs. M. Thekelsen, 1734 Broderick St.; contractor, L. Salomon, 1734 Broderick St.
SIGN, electric, $100; 145 New Montgomery St.; owner, Telephone Exchange Coffee Shop, Prem.; contractor, American Elec. Sign Co., 1740 Eddy St.
SIGN, electric, $200; 140 W. Portal; owner, Carter's, Premises; contractor, Brumfield Elec. Sign Co., 965 Folsom St.
ALTER office, $200; 176 Townsend St.; owner, C. J. Worth, Premises.
SIGN, electric, $100; 845 Grant Ave.; owner, Quon Wo & Co., Premises; contractor, American Elec. Sign Co., 1740 Eddy St.
SIGN, electric, $300; 8 Sixth St.; owner, Charleston Inn, Premises; contractor, Brumfield Elec. Sign Co., 965 Folsom St.
ALTER dwelling, $150; 345 Tenth Ave. owner, Mr. and Mrs. J. F. Walsh, 127 Anza St.; contractor, C. Borsi & Son, 1279 25th Ave.
SIGN, electric, $50; 661 Clement St.; owner, Coliseum Drug Co., 178 1st St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; 116 Jones St.; owner, J. Porter, 116 Jones St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER apartments, $500; 1637 Sacramento St.; owner, A. M. Moore and Margaret Bell, % Architect; architect, E. H. Denke, 1317 Hyde.
ALTER store, $150; SE Mission 50 N Persia Ave.; owner, H. R. Painton, 4603 Mission St.
ALTER store, $75; 125 Market St.; owner, Baldwin Howell, 318 Kearny St.; contractor, Fred W. Schell 1651 24th Ave.
ALTER restaurant., $250; 556 Broadway; owner, M. Checchi, 727 Union St.; contractor, Rome Carpenter Shop, 1659 Powell St.
ALTER office building, $500; 310 Sansome St.; owner, General Petroleum Corp., 310 Sansome St.; contractor, J. B. Gauley, 299 22d Ave.
ALTER dwelling, $125; 1003 Kansas St.; owner, N. Kuznetzoff, 1003 Kansas St.

SIGN, electric, $400; 1560 Pacific Ave. owner, J. C. Marino Co., Prem.; contractor, Golden Gate Neon Sign Co., Inc., 355 8th St.
ALTER store, $150; 5815 Geary St.; owner, G. Moscone, 5817 Geary.
SIGNS (2) electric, $75 each; Van Ness Ave. and Bay St.; owner, Associated Oil Co., 79 New Montgomery St.; contractor, Electric Prod. Corp., 255 Golden Gate Ave.

ALAMEDA COUNTY

ALTERATIONS, $100; 2639 62nd Ave., Oakland; owner, N. J. Boehme, 2639 62nd Ave.
REPAIRS, $40; 349 Portland Ave., Oakland; owner, Mrs. Anna D. Holman, Premises; contractor, Larry Burror, 642 14th St.
ADDITION, $500; 3221 School Street, Oakland; owner, Arthur M. Hight 3221 School St.
FIRE repairs, $40; 316 63rd St., Oakland; owner, Antone A. Viara, Premises; contractor, A. H. Rose, 478 25th St.
ALTERATIONS, $20; 4529 Shattuck Ave., Oakland; owner, Fernando Guidi, 531 43rd St.
RETAINING wall, concrete, $48; 1362 E-26th St., Oakland; owner, Mrs. Castle, Premises; contractor, McGuire & Hester, 1483 Hopkins St.
ALTERATIONS, $500; 1309 Franklin St., Oakland; owner, Bob Shand, Premises; contractor, A. T. Beckett, 224 Scenic Ave., Piedmont.
ADDITION, tile, $125; 1044 51st Ave., Oakland; owner, M. Arikawa, 310' E-12th St.
FIRE repairs, $50; 320 63rd St., Oakland; owner, Norman Shaw, 320 63rd St.; contractor, A. H. Rose, 478 25th St.
ALTERATIONS, $150; 1192 Ocean Ave Oakland; owner, B. Occelli, 1188 Ocean Ave.; contractor, A. Icardi 972 Alleen St.
ALTERATIONS, $150; 832 Peralta Ave., Berkeley; owner, J. A. Morgan, Premises.
GARAGE, private, $80; 1159 Glen Ave. Berkeley; owner, G. M. William, Premises.
ALTERATIONS, $65; 1206 The Alameda, Berkeley; owner, E. C. Burton, 1206 The Alameda.
ALTERATIONS, $375; 591-83 54th St., Oakland; owner, L. J. Kerch, 551 53rd St.
ADD to dwelling, $50; 5002 Grove St., Oakland; owner, Wm. McNamee, Premises.
ALTERATIONS, $100; 1733 Telegraph Ave., Oakland; owner, A. Penn, 1528 San Pablo Ave.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

2— BONDS

BONDS SOLD

MONTEREY, Monterey Co., Calif.—Monterey city council has accepted the bid of Dean Witter & Company, San Francisco, for an issue of $64,500 in 5% bonds. The bond money, together with a grant of $22,000 from the PWA will be used in construction of an outfall sewer. The following bids were received for the bonds:

Dean Witter & Co., San Francisco, $68,037.00.

Monterey County Trust and Savings Bank, $67,576.00.

Heller Bruce & Co., San Francisco, $67.475.00.

Anglo-California National Bank, San Francisco, $66,172.85.

An alternate proposal from the Heller Bruce Company to purchase the bond issue at 4½% interest plus a premium of $580 was rejected as irregular.

BIDS OPENED

CHEFOO, CHINA—Following bids received by the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for furnishing fuel oil for Chefoo, China; Schedule 1721:

Lot 1084: Union Oil Co. of Calif., Los Angeles, $1.55 per bbl.; 60,000 bbls.

Lot 1085: Asiatic Petroleum Corp., New York City, $1.45 per bbl.; Standard Vacuum Oil Co., New York City, $1.39 per bbl; 60,000 bbls. Bids were opened March 2.

3— CHURCHES

Contract Awarded.

CHURCH Cost, $3000

VALLEJO, Solano Co., Cal. Florida and Napa Streets.

One-story and basement frame and stucco church (50x20 ft.) Spanish style of architecture; social hall in basement.

Owner—Vallejo Lutheran Church (Rev. Waldemar Menzel, Pastor).

Architect — George P. Simonds, 261 Main St., Hayward.

Contractor — E. E. Teicheira, 331 Hampshire St., Vallejo.

PLANNED

COSTA MESA, Orange Co., Calif.—Costa Mesa Four Square Gospel, Rev. Wm. Sibley, pastor, will erect a new church on a site in Costa Mesa to be selected soon. It will be a one-story, wood frame structure, 44x90 feet in area, with stucco exterior, wood roof trusses, composition roofing, wood floors, etc. Rev. Sibley will supervise construction.

Planned.

IMPROVE MISSION Cost, $——

SAN LUIS OBISPO, Calif.

Restoration of Mission San Luis Obispo de Tolosa (new belfry, colonnade, new walks, roofing, new gardens, arches, etc.)

Owner—Bishop of Monterey - Fresno Diocese.

Architect—Not Given.

A campaign is under way to raise funds to finance construction.

PLANS BEING FIGURED

LONG BEACH, Cal.—K. S. Wing, architect, and R. F. Inwood, 501 Termino Ave., Long Beach, are taking bids from a closed selected list of contractors for a one-story and basement church building to be built at 1100 Freeman St., Long Beach, for the East Long Beach Methodist Church. It will cover an area of 65x120 feet. The basement will contain six classrooms, toilets, social hall and kitchen; the first floor will contain nine classrooms, auditorium to seat 360 people, reception room, nursery, study and kitchenette. Constructoin will be frame and stucco, tile and composition roofing, reinforced concrete work, cement and pine floors, tile toilet floors tile drainboards, metal lath, double-hung windows, art glass, gas heating, etc.

4— FACTORIES & WAREHOUSES

Tub Contract Awarded.

1[illegible] V HOUSE Cost, $7000

SA FRANCISCO. E Juniper St. 100 Bryant St.

tory steel and concrete mash house.

Owner — Milwaukee Brewery Co., 490 Tenth St., San Francisco.

Engineer—W. E. Murray, 908 Hayes St., San Francisco.

Mash Tubs—Oakland Brass & Foundry Co., 2319 Clement St., Alameda.

Bids will be asked shortly on conveyar, elevator and hopper.

As previously reported, structural steel awarded to Herrick Iron Works, 18th and Campbell Sts., Oakland; foundations to Cahill Eros., 206 Sansome St.; concrete to Golden Gate Atlas Materials Co., 16th and Harrison Sts.

Planned.

WAREHOUSE Cost, $——

EXETER, Tulare Co., Cal.

One-story galvanized iron warehouse (20x40 ft.) frame office and two garages.

Owner—Jack Griggs, Inc., Exeter (Signal Petroleum Products).

Architect—Not Given.

Planned.

SHEDS Cost, $——

SANTA CLARA, Santa Clara Co., Cal. Seventh and Jackson Sts.

Two corrugated iron packing sheds 250 feet).

Owner — Santa Clara Packingfi Co. (Albert Beall, President), Santa Clara.

Architect — Ralph Wyckoff, San Jose National Bank Bldg., San Jose.

Work will be done by day's labor under owner's supervision.

Owner Taking Bids—Close March 19.

WAREHOUSE Cost, $18,000

VALLEJO, Solano Co., Cal. Pennsylvania and El Dorado Sts.

One-story reinforced concrete warehouse and garage building (Pabco roof, concrete floors, steel sash, steel trusses and plumbing fixtures).

Owner—Vallejo Elec. Light & Power Co., Vallejo.

Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Following have procured plans:

Robert Glaze, 666 Mission St., San Francisco.

Geo. Maurer, 50 York Drive, Piedmont.

Frank J. Reilly, 6340 Fulton St., San Francisco.

F. R. Siegrist, 604 Mission St., San Francisco.

Planned.

DIST. PLANT Cost, $100,000

OAKLAND, Alameda Co., Cal. Foot of Webster Street.

Construct new distributing plant (new docks, silos and offices).

Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.

Plans by Engineering Dept. of Owner.

Plans Being Prepared.

FACTORY Cost, $15,000

SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.

One-story brick and concrete pie factory (45x140 ft.)

Owner—Channel Pie Co., 3566 C St., Sacramento.

Architect—Harry Devine, California State Life Bldg., Sacramento.

Planned.

ADDITION Cost, 5——

SACRAMENTO, Sacramento Co., Cal.

Additions to milk distributing plant.

Owner—Dairy Delivery Company.

Architect——W. H. Toepke, 74 New Montgomery St., San Francisco.

Structural Steel Contract Awarded.

ADDITION Cost, $2000

OAKLAND, Alameda Co., Cal. No. 5701 Russett Street.

Addition to factory.

Owner—Continental Can Co., Premises

Architect—Not Given.

Contractor—Austin Co. of Calif., Ray Bldg., Oakland.

Structural Steel — Independent Iron Works, Ltd., 821 Pine St., Oakland.

BIDS WANTED.

INDIAN WELLS, Riverside Co., Cal.—Until 2 P. M., March 30, bids will be received by the Department of Public Works, Division of Highways, at the office of the district engineer, Bishop, for the erection of maintenance station buildings in Kern County, Homestead Maintenance Station, Indian Wells, near Inyokern consisting of one standard truck shelter, 30x60 feet; one standard gasoline and oil house, and one septic tank and leaching field. The work comprises excavation, concrete and masonry, carpentry and mill work, sheet metal work, painting, glazing, plumbing and electrical work. Plans may be obtained from the district engineer upon deposit of $25. Cashier's or certified check or cash in the amount of 10% must accompany each bid. S. W. Lowden, acting district engineer.

Contract Awarded.

WAREHOUSE Cost, $18,000

OAKLAND, Alameda Co., Calif. Foot of 89th Avenue.

One-story steel warehouse.

Owner—Hazel Atlas Glass Co., foot of 89th Ave., Oakland.

Architect—Not Given.

Contractor—Larsen and Larsen, 623 Bryant St., San Francisco.

Sub-Contracts Awarded.
WAREHOUSE Cost, $250,000
PORTLAND, Oregon. SW Ash Street and Water Avenue.
Construct new warehouse (machinery, etc.)
Owner—General Grocery Co. (William Heller Ehrman, Vice - President). 2 North First St., Portland.
Architect—Sutton, Whitney & Aandahl, Lewis Bldg., Portland.
Contractor—George H. Buckler, Lewis Bldg., Portland.
Piling—McCormick Lumber Co., foot of Irving St., Portland.
Plumbing and Heating—Kendall Heating Co., 24 Front St., Portland.
Sprinkler System—National Automatic Sprinkler Co., 200 Oak St., Portland.
Roofing and Sheet Metal—Grand Sheet Metal Works, 200 NE 3rd St., Portland.

5— FLATS

Plans Completed.
FLATS Cost, $12,000
SAN FRANCISCO. N. Filbert St., 100 feet E Franklin St.
Two-story and basement frame and stucco flat building 2, 5-room flats) composition roof, steam heating system, hardwood floors, tiled baths, canvas walls, etc).
Owner—E. Besozzi, 1801 Hyde Street.
Architect—J. A. Porporato, 619 Washington Street.
Contractor — Selected (Name Withheld).

6—GARAGES & SERVICE STATIONS

Plans Being Prepared.
SERVICE STATION Cost, $12,000
SANTA CRUZ, Santa Cruz Co., Cal. Ocean and Water Streets.
Super service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engr. Dept. of Owner.

BIDS WANTED
LOS BANOS, Merced Co., Cal.—Until March 26, 3 P. M., bids will be received by W. L. Garrison, Clerk, West Side Union High School District, Los Banos, for the construction of a garage and storeroom, 30x55 feet, at the High School, Los Banos. Plans and specifications obtainable at the high school.

Planned.
SERVICE STATION Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif. Pacific Ave. and Cathcart Street.
Super service station.
Owner—Gilmore Oil Co., Third & 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner Further details will be announced shortly.

Contract Awarded.
SERVICE STATION Cost, $——
OAKLAND, Alameda Co., Calif. East 12th St. and Miller Ave.
Reinforced concrete service sta. (four pumps, grease room, storage and battery rooms, etc.)
Owner—R. Fiorl, 3291 School St., Oakland.
Architect—Leonard Ford, 2022 Berkeley Way, Berkeley.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.

Plans Being Prepared.
SERVICE STATION Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif. Pacific Ave. and Carthcart Street.
Super service station.
Owner—Gilmore Oil Co., Third & 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner. Bids will be asked in about three weeks.

Contract Awarded.
SERVICE STATION Cost, $6500
SACRAMENTO, Sacramento Co., Cal. No. 230 M Street.
Super service station.
Owner—Standard Oil Co., Tenth and J Sts., Sacramento.
Plans by Engineering Dept. of Owner
Contractor—C. J. Hopkinson, 1810 28th St., Sacramento.

7—FEDERAL BUILDING

TO ASK BIDS
SACRAMENTO, Cal.—Treasury Department, Washington, D. C., will ask bids shortly for tinting the entire U. S. Post Office at Sacramento. Specifications have been completed by Architects Starks & Flanders, Forum Bldg., Sacramento, and forwarded to Washington, D. C., for approval.

SITE APPROVED
COLTON, San Bernardino Co., Cal. —Treasury Department has approved a site on Eighth St., between G and H Sts., Colton, for the United States Pos Office building to be erected in that city. The sum of $57,200 has been allocated for the building and the site.

BIDS OPENED
MARYSVILLE, Yuba Co., Calif. — Postmaster J. M. Cremin, Marysville, received bids and referred same to Washington for furnishing and installing an electric clock in the lobby of the Marysville post office. Low bidders will be announced shortly.

Additional Sub-Contracts Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five - story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor — Great Lakes Const. Co., 333 N Michigan Ave., Chicago.
Beamform Hanger — Midwest Wire Products Co., Detroit.
Steel Rolling Doors—J. G. Wilson Corporation, Chicago.
Other awards previously reported.

PROSPECTIVE BIDDERS.
FORT STANTON, N. M.—Following firms have procured plans for the purpose of submitting bids to Treasury Department on March 28 for furnishing and installing an elevator in the U. S. Marine Hospital, Ft. Stanton, N. M.: S. Heller Elev. Co., Milwaukee, Wis.; Montgomery Elev. Co., Moline, Ill.; Gurney Elev. Co., New York City; Reliance Elev. Co., Chicago; Elevator Locks Co., Peoria, Ill.: Westinghouse Elec. Elev. Co., 30th and Walnut Sts., Philadelphia; J. J. Matson, care General Elec. Co., Schnectady, N. Y.; American Elev. & Machine Co., Louisville, Ken.; Atlantic Elev. Co., Erie Ave., Philadelphia, Pa.; Wm. A. Miller Elev. & Machine Co., St. Louis, Mo.; Haughton Elev. Co., 1101 Vermont Ave., Washington, D. C.: A. B. See Elev. Co., 1112 21st St., Washington, D. C.; Otis Elev. Co., 810 18th St., N. W., Washington, D. C.; Warner Elev. Co., Cincinnati, Ohio.

BIDS WANTED
BOULDER, Colo.—Bids are being received by Custodian, Boulder Post Office, for concrete topping for the Post Office at Boulder, Colo. Date of opening bids not yet set.

BIDS WANTED
PEARL HARBOR, T. H. — Until April 25, 11 A. M., bids will be received by Bureau of Yards and Docks, Navy Dept., Washington, D. C., for bids for extension to storehouse at the Naval Fleet Air Base (Ford Island), Pearl Harbor. The work includes concrete and hollow tile construction, steel and iron work, steel windows, pressed metal, metal covered and steel rolling doors, metal partitions, built-up roofing, stucco, refrigerated drinking fountain, and plumbing and electrical systems. Spec. No. 7594 and accompanying drawings may be obtained on application to the Bureau or to the Commandant, 14th Naval District, Navy Yard, Pearl Harbor, or to the Commandant, 12th Naval District, 100 Harrison St., San Francisco. Deposit of a check or postal money order for $15, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specifications. Norman M. Smith, Chief of Bureau.

LATE BID
SAN FRANCISCO—Shepard Elevator Co., Cincinnati, at $75,600 submitted late bid to Treasury Department for furnishing elevator plant for the Federal Office Building in the Civic Center, San Francisco. As previously reported, Pacific Elevator Co., 45 Rausch St., San Francisco, at $72,000 submitted low bid.

EQUIPMENT APPROVED
SAN FRANCISCO. — Treasury Department approved award for glassware to Gill Glass Company for the lighting fixtures in the U. S. post office at San Francisco. Moe-Bridges, Milwaukee, contractors.

SUB-CONTRACTS AWARDED
REDLANDS, San Bernardino Co., Cal.—Sarver & Zoss, 1015 W Fourth St., Los Angeles, have engaged most of the original subcontractors to complete work on the Redlands post office. These include: Modern Plumbing Co., Redlands, plumbing; Jones Heating Co. Pasadena, heating; Carol Duncan & Co., Los Angeles, lathing and plastering; E. K. Wood Lumber Co., Los Angeles, mill work; Pacific Clay Products Co., Los Angeles, architectural terra cotta; Arenz-Warren Co., Los Angeles, painting; P. & F. Corbin Corp., hardware; Reno Sheet Metal Works, sheet metal. New contracts have been awarded as follows: Tile and composition roofing to Phil E. French & Co., Los Angeles; miscellaneous and ornamental iron to Washington Ornamental Iron Works, Los Angeles; electrical work to Quality Electric Co., Los Angeles. Contracts to be awarded include wood block flooring, interior marble and terrazzo.

Plans Being Completed.
UTILITY BLDG. Cost. $117,900
YOSEMITE VALLEY, Merced County.
One-story fireproof utility bldg. (concrete walls and floors, structural steel frame, hollow tile dividing walls).
Owner—United States Govt. (National Park Service).
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.
Bids will be asked about April 15.

PROSPECTIVE BIDDERS
ALHAMBRA, Los Angeles Co., Cal. —Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on April 6th foro the construction of a two-story reinforced concrete Post Office building on S-Garfield Ave., Alhambra. John Walker Smart, 39 E. Main St., Alhambra, Architect. Estimated cost, $165,000:
Sarver & Zoss, Inc., 1015 W. 4th St., Los Angeles.
Mechanical Engineering Service, 1416 H St., N. W., Washington, D. C.
Theriault Contracting Co., 534 E. Johnson St., Philadelphia.

BIDS WANTED
HAMILTON FIELD, Marin Co., Cal.

—Until March 28, 11 A. M., bids will be received by Constructing Quartermaster, Hamilton Field, for the construction of seven, one-story bungalow type hollow tile company officers' quarters (Type H) at Hamilton Field. Plans and specifications available from above office upon deposit of $10, and may be seen at the Builders' Exchange, 666 Mission St., San Francisco, or at the Office of the Constructing Quartermaster, Fort Mason, San Francisco.

EQUIPMENT APPROVED

LOS ANGELES, Cal.—Treasury Department approved the following equipment awards for the quarantine station at Los Angeles. Charles T. Montague, Los Angeles, general contractor.

Plumbing fixtures, Washington-Eljer Co.; lighting distributing panels, W. A. Benjamin Co.; feeder panels and main switchboard, W. A. Benjamin Co.; rubber covered wire, American Steel & Wire Co.; flush switches, Bryant Electric Co.; lighting fixtures, Plume & Atwood.

8— CLUB BUILDINGS

Lighting Fixture Contract Awarded.

CLUB Cost, $574,000
SAN FRANCISCO. NE Taylor and Post Streets.
Four-story Class A brick and terra cotta club building (gymnasium, dormitory, dining room, kitchen, elevators, etc.)
Owner — Bohemian Club (Timothy Healy, Secretary).
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Structural Engineer—W. P. Fay, Financial Center Bldg., San Francisco.
Mechanical Engrs.—Atkins & Parker, Hobart Bldg., San Francisco.
Lighting Fixtures—Phoenix Day Co., 729 Mission St., San Francisco.
Other awards previously reported.

March 10, 1934

Sub-Contracts Awarded.

ADDITION Cost, $——
SAN FRANCISCO. California and Mason Streets.
One-story steel and concrete addition to club building for card room (32 by 50 feet).
Owner—Pacific Union Club, Premises.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Structural Steel—McClintic Marshall Company.
Wrecking and Excavation — Sibley Grading & Teaming Co., 165 Landers St., San Francisco.
Glass—Habenicht & Howlett, 529 Clay St., San Francisco.
Mill Work—Pacific Manufacturing Co. Monadnock Bldg., San Francisco.
Marble—Eiscle & Dondero, 2895 Third St., San Francisco.
Lathing and Plastering—Peter Bradley 639 Brannan St., San Francisco.
Sheet Metal—Fire Protection Products Co., 1101 10th St., San Francisco.
Composition Roofing and Dampproofing—J. W. Bender, 18th and Bryant Sts., San Francisco.

Planned.

REBUILD LODGE, ETC. Cost,, $——
GRASS VALLEY, Nevada Co., Calif., Mill and Neal Streets.
Rebuild Lodge and Office Building.
Owner—Sam Jones and Arthur Gill Estate, Grass Valley.
Architect—Not given.

Plans Being Prepared.

CLUBHOUSE Cost, $——
SACRAMENTO, Sacramento Co., Cal. SW Twenty-seventh and N Sts.
One-story frame and brick clubhouse (banquet room, kitchen facilities, parlor and social room, lodge room, dressing rooms, showers and lockers, etc.)
Owner—Young Ladies Institute.
Architects—Starks & Flanders, Forum Bldg., Sacramento.
Bids will be asked in about thirty days.

Permit Applied For.

COMMUNITY HOUSE Cost, $25,000
PALO ALTO ,Santa Clara Co., Calif. Rinconada Park.
Community house (Spanish-California style) recreation room, 40x70 ft.; administrative offices, meeting rooms, kitchen, etc.
Owner—City of Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Mgr. of Const.—Wells P. Goodenough, 310 University Ave., Palo Alto.

Bid Opening Date Postponed Until March 31, 2 P. M.

MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust Street and Mineral King Ave.
Two-story reinforced concrete Masonic Temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Assn.
Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Bids will be opened in the office of H. B. McClure, Bank of America Bldg., Visalia.

9— HOSPITALS

PLANNED

TEHAMA COUNTY, Cal.—Tehama County Board of Supervisors has appointed Supervisors E. T. Robson, George A. Hoag and C. A. Luning to contact federal officials to obtain aid for construction of a new county hospital building at Red Bluff. H. M. Kopplin, County Clerk.

BIDS WANTED

SAN FRANCISCO—Until April 17, bids will be received by Supervising Architect, Public Works Branch, Treasury Department, Washington, D. C., for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Appropriation is $12,000.

BIDS OPENED

AGNEW, Santa Clara Co., Cal.—Michel & Pfeffer Iron Works, Inc., Harrison and Tenth Sts., San Francisco, at $240 submitted low bid to the State Purchasing Department, Sacramento, for furnishing window and porch guard rails at Agnew State Hospital. Complete bids follow. All bidders of San Francisco:

Michel & Pfeffer	$240
S. F. Wire & Iron Works	282
Monarch Iron Works	284
Standard Fence Co.	295
Patterson & Koster Iron Works	323
Eureka Iron & Wire Works	345
West Coast Wire & Iron Works	480

Bids held under advisement.

LOW BIDDERS

FORT STANTON, New Mexico—Olson Constr. Co., 410 S. 7th St., Lincoln, Nebraska, and A. Smith Co., 900 N. La Salle St., Chicago, Ill., at $160000 (Item 1) submitted identical bids to the Treasury Department, Washington, D. C., for the construction of a main hospital building, including laundry and power plant at the U. S. Marine Hospital, Fort Stanton, New Mexico. Following are two low bids:

Olson Constr. Co., Lincoln, Neb. (1) $160,000
(2) 290,000
A. Smith Co., Chicago (1) $160,000
(2) 288,490

Complete bids will be published shortly.

BOND ELECTION PLANNED

TAFT, Kern Co., Calif.—County of Kern is considering holding an election on April 24 to vote bonds in the amount of $75,000 to finance construction of a branch county hospital in Taft.

10— HOTELS

Planned.

ALTER HOTEL Cost, $——
HEALDSBURG, Sonoma County, Cal. Plaza Hotel.
Alterations to present hotel.
Owner—Frank Buffi and Chas. Sheriffs, Healdsburg.
Architect—Not Given.

Contract Awarded.

REPAIRS TO HOTEL Cost, $3,000
SAN FRANCISCO. 1029 Haight Street.
Fire repairs to hotel.
Owner—Mr. Sadie, 1035 Haight Street.
Architect—Not Given.
Contractor—J. Callaghan, 900 Clayton.

12— POWER PLANTS

BIDS WANTED

BOULDER CANYON, Nevada—Until April 5, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colorado, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, structural steel for the Boulder powtr plant, Boulder Canyon project, Arizona-California-Nevada, including roof trusses, girders, columns, purlins, crane rails, crane rail supports and other miscellaneous structural steel framework. The structural steel will be installed by the Government.

Specifications obtainable from above office and at the office of the Department of the Interior, Bureau of Reclamation, Washington, D. C., Spec. No. 567. No charge for specifications and drawings to prospective bona fide bidders; to others, $3.50, not returnable.

LOW BIDDERS

ALCATRAZ ISLAND, Cal. — West Coast Electric Works, 160 Tenth St., San Francisco, at $27,900 submitted low bid to Department of Justice, Bureau of Prisons, Washigton, D. C., for furnishing and installing steam turbine generator gasoline engine, emergency generator, switchboard, panels and wiring at the U. S. Penitentiary, Alcatraz Island. Sch. 908. Alta Elec. &Mechanical Co., San Francisco, at $28,660 submitted second low bid and Starr Delta Electrical Works, at $29,160 were third low. Complete bids will be published shortly.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Being Figured—Bids Close Mar. 22nd, 8 P. M.

ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete addition to City Hall.
Owner—City of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Plans Being Completed.

FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal. Vallejo Way and Freeport Blvd.

Construct new fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bids will probably be asked in 30 days.

BOND ELECTION

CARMEL, Monterey Co., Cal.—City of Carmel will hold an election on April 9 at which time bonds in the amount of $50,000 will be voted to finance construction of a new city hall in Carmel. Preliminary sketches were prepared by C. J. Ryland, Carmel. $15,000 is expected as an outright grant from the government.

Plans Being Completed.

LIBRARY Cost, $75,000
EVERETT, Wash. SW Hoyt and Everett Avenues.
Two-story addition to library (concrete or mill faced with brick).
Owner—City of Everett (Mrs. D. R. McIlravy, President Library Trustees).
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Bids will be asked shortly.

To Be Done By Day's Work.

ALTERATIONS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Twelfth and Fallon Streets.
Alterations and additions to City Hall and Auditorium.
Owner—City of Oakland.
Plans by Engineering Dept. of Owner. Work will be done by day's labor under the CWA.

BOND ELECTION

SANTA PAULA, Ventura Co., Cal.—Santa Paula city council has called an election for April 9 at which time it is proposed to vote bonds in the sum of $32,000 for financing the construction of a new city hall, and $11,000 for a new police and fire station building. A similar issue was defeated on February 27. R. S. Raymond, Box 545, Santa Paula, architect.

PROSPECTIVE BIDDERS

SAN LEANDRO, Alameda Co., Cal.—Following have procured plans for the purpose of submitting bids to the County Board of Supervisors March 20, 10:30 A. M., for furnishing and installing lighting fixtures in the San Leandro Veterans' Memorial Building. Henry H. Meyers, Kohl Building, San Francisco, architect:
Boyd Lighting Fixture Co., 278 Post St., San Francisco.
K. A. Grant & Co., 1365 Trestle Glen Road, Oakland.
W. W. Warren, 955 Mission St., San Francisco.
Incandescent Supply Co., 726 Mission St., San Francisco.
Maxwell Hardware Co., 1320 Washington St., Oakland.
Phoenix Day Co., 729 Mission St., San Francisco.
Plans and specifications available from clerk's office, Oakland, upon deposit of $10.00.

14— RESIDENCES

Low Bidder.

RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 2 baths); English type, shingle roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—Mr. Niles.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Low Bidder — E. J. Schmalling, 863 Melville Ave., Palo Alto.

Construction Started.

RESIDENCES Cost, $1600-$2200
SAN CARLOS, San Mateo Co., Cal.
Five one-story frame residences (3- and 4-room).
Owner and Builder—Consolidated Development Co., 544 Market St., San Francisco.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Mgr. of Constr.—Mr. Patton, Prem.

Contract Awarded.

REPAIR RESIDENCE Cost, $1500
OAKLAND, Alameda Co., Cal. No. 315 Alcatraz Avenue.
Repair fire damage to residence.
Owner—Maude Wagner, 315 Alcatraz Ave., Oakland.
Architect—Not Given.
Contractor—C. Dudley DeVelbiss, 354 Hobart St., Oakland.

Sub-Contracts Awarded.

RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. 615 N 16th Street.
One - story and basement frame and stucco residence (five rooms).
Owner—Al. Cancilla, 776½ North 13th St., San Jose.
Architect—Not Given.
Contractor—V. J. Sonzeri, 176 N 31st St., San Jose.
Plaster and Stucco—L. E. Rudy, 1409 S First St., San Jose.
Plumbing—Joe Shannon, 400 N Third St., San Jose.
Tile—E. Pilling, Palo Alto.
Lumber—McElroy - Cheim Lbr. Co., 1450 The Alameda, San Jose.
Millwork—Sunset Lbr. Co., 400 High St., Oakland.
Roof Tile—Bush Roofing Co., Saint Claire Bldg., San Jose.

Sub-Contracts Awarded.

RESIDENCE Cost, $6000
SAN JOSE, Santa Clara Co., Cal. Dry Creek Road.
Seven-room and basement frame and stucco residence.
Owner—Philip Barbaccia, Dry Creek Road, San Jose.
Architect—Not Given.
Contractor—V. J. Sonzeri, 176 N 31st St., San Jose.
Lumber—McElroy - Cheim Lbr. Co., 1450 The Alameda, San Jose.
Plaster—L. E. Rudy, 1409 S First St., San Jose.

To Be Done By Day's Work.

RESIDENCE Cost, $4000
SAN FRANCISCO. SE Balboa Street and 29th Avenue.
One - story and basement frame and stucco residence (5 rooms).
Owner—I. Shemanski, 1017 Market St.
Architect—Not Given.

Plans Being Revised

RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Chelton Drive, Piedmont Pines Tract.
Two-story frame and stucco residence (7 rooms and 3 baths) shake roof, gas hot air heating system, oak floors, tiled baths, etc.
Owner—L'Hommedieu, Inc., Henshaw Bldg., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Lumber Contract Awarded.

RESIDENCE Cost, $8800
VALLEJO, Solano Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell Street, Berkeley.
Contractor—J. M. Walker, 1709 Grove Street, Berkeley.
Lumber—Vallejo Lbr. Co., Vallejo.

Contract Awarded.

RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Calif.
One-story and garage frame dwelling (6 rooms).
Owner & Builder—J. A. Bischoff, 2717 Russell St., Berkeley.
Architect—Not Given.

Painting Contract Awarded.

ALTER RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. York Drive.
Alterations to 2-story frame residence
Owner—Mrs. K. W. Archer, 933 Carmel St., Berkeley.
Architect—Fred Confer, 2812 Russell Street, Berkeley.
Contractor—J. M. Walker, 1709 Grove Street, Berkeley.
Painting—Nat L. Williams, 1908 Virginia St., Berkeley.

Mill Contract Awarded.

RESIDENCE Cost, $——
BERKELEY, Alameda Co. Cal. Woodmont Rd. near Grizzly Peak Blvd.
One - story and basement frame residence (six rooms) Colonial style, shake roof, gas hot air heating system, wood and steel sash, etc.
Owner—Prof. W. H. Durham, 1525 La Loma Ave., Berkeley.
Architect—Roland I. Stringham, 1525 Market St., San Francisco.
Contractor—J. M. Walker, 1709 Grova Street, Berkeley.
Mill Work—Tilden Lumber Co., foot of University Ave., Berkeley.

Contract Awarded.

ALTER RESIDENCE Cost, $3000
SAN MATEO, San Mateo Co., Cal. No. 1210 Palm Avenue.
Alterations to residence.
Owner—L. B. Daniels, 1210 Palm Ave. San Mateo.
Architcet—Not Given.
Contractor — Charle Hammar, 1524 Floribunda Ave., Burlingame.

Additional Sub-Contracts Awarded.

RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Carolands.
Two-story and basement frame residence (10 rooms, 4 baths) rustic exterior, shake roof, gas heating system, hardwood floors, linoleum Colonial style.
Owner—Mr. and Mrs. John Middleton Holmes.
Architect—Noble and Archie Newsom, Russ Bldg., San Francisco.
Contractor—Geo. Maurer, 50 York Dr., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Mill Work—Lannom Bros., 362 Magnolia St., Oakland.
Glass—East Bay Glass Co., Oakland.
Plumbing and Sheet Metal—E. C. Cotter, San Mateo.
Electric—San Mateo County Elec. Co., San Mateo.
Concrete Aggregates—C. E. Casey, San Mateo.
As previously reported, heating awarded to Aladdin Heating Corp., 5107 Broadway, Oakland; linoleum floors to W. E. Anderson, 687 Howard St., San Francisco; oak floors to Inlaid Floor Co., 600 Alabama St., San Francisco.

Plans Completed.

RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Stonewall Road.
Two-story and basement frame and stucco residence (9 rooms and 3 baths) shake roof, oil heating system, hardwood floors and trim, electric refrigeration.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Upon owner's approval of plans, bids will be asked.

Contract Awarded.
RESIDENCE Cost, $4,400
SAN FRANCISCO. S Girard St. 150 N Silliman.
One - story and basement frame and stucco residence.
Owner—Otto H. and Lillian Kruger.
Architect—Not Given.
Contractor—Mager Bros. & Sons, 1359 Fourth Avenue.

Contract Awarded.
RESIDENCE Cost, $——
ALBANY, Alameda Co., Calif. 5206 Grove Street.
One-story frame and stucco residence (4 rooms).
Owner—Guisippe Bassala, 4710 West St., Oakland.
Architect—Not Given.
Contractor—J. Faramia, 827 Madison St., Oakland.
Concrete and Excavation—Triberti and Maassaro, 957 38th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $2000
OAKLAND, Alameda Co., Calif. 1933 105th Avenue.
One-story four-room dwelling.
Owner—F. Bastian, 1801 109th Ave., Oakland.
Architect—Not Given.
Contractor—Jas. B. Grubb, 1801 109th Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Woodmont Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Prof. F. G. Brooks.
Architect—Not Given.
Contractor—Philip Coats and Frank Pennel, 791 Hillcroft Circle, Berkeley.
Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.
Roofing—W. L. Rideout, 641 Central Ave., Alameda.
Roof Deck—Jack Johnson Roofing Co. 2323 Foothill Blvd., Oakland.
Glazing—W. P. Fuller Co., 259 10th St., Oakland.

Sub-Bids Being Taken.
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY. Alameda Co., Cal. Arlington Villa Site.
Alterations and additions to residence (add 4 rooms).
Owner—James S. Moore Jr., 752 San Diego St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—R. F. Parks, 1046 Peralta Ave., Berkeley.
Lumber — Humphrey-Farrar Lumber Co., 1314 Rose St., Berkeley.

Additional Sub-Contracts Awarded.
RESIDENCES Cost, $2000 each
OAKLAND, Alameda Co., Cal. No. 6116 and 6124 Merriewood Drive.
Two one-story frame and stucco residences (one 4-room and one 5-room, with garages).
Owner — Syndicate Merriewood Company, American Bank Bldg., Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Painting—Blomgren Bros., 1927 Russell St., Berkeley.
Brick — Herschel & Reinecke, 830 E-11th St., Oakland.
Millwork — Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Sheet Metal Work—Bertel Mork, 1606 10th St., Berkeley.
Roofing — Edumund Bardellini, 3700 Greenacre Road, Oakland.

Contract Awarded.
RESIDENCE Cost, $11,400
PALO ALTO, Santa Clara Co., Calif. 650 Lowell Avenue.
Two-story rustic residence.
Owner—Ed. H. Post, 668 Forest Ave., Palo Alto.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Contractor—Harry Engman, 265 Washington St., Palo Alto.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 4174 Lyman Road.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—Walter Pressier, 1419 Excelsior Ave., Oakland.
Plans by Owner.
Rough Hardware—Maxwell Hardware Co., 1320 Washington St., Oakland.
Painting—R. E. O'Brien, 2151 Buena Vista Ave., Alameda.
Sewer—John White, 3214 E 12th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $6000
SALINAS, Monterey Co., Calif.
One - story and basement frame and stucco residence (6 rooms) shake roof, gas floor furnaces, hardwood floors, tile baths, etc.
Owner—Withheld.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—J. F. Kraus, Box 144, Salinas.

Completing Plans.
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY, Alameda Co., Cal. Arlington Villa Site.
Alterations to residence.
Owner—Withheld.
Architect — E. L. Snyder, 2101 Addison St., Berkeley.
Segregated bids will be asked about March 26.

Contract Awarded.
RESIDENCE Cost, $2500
SAN FRANCISCO. NE Egbert 25 S Phelps Street.
One-story and basement frame and stucco residence.
Owner — Charles Schmidt. 3275 San Bruno Ave., San Francisco.
Architect—Not Given.
Contractor—D. Delucchi & Son, 3275 San Bruno Ave.

Contract Awarded.
RESIDENCE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. Cook and Branham Addition.
One-story frame and stucco residence.
Owner—Alphonso Cancilla, San Jose.
Architect—L. C. Rossi, Commerical Bldg., San Jose.
Contractor—V. J. Sunzeri, 176 N-31st St., San Jose.

Contract Awarded.
RESIDENCE Cost, $11,483
HILLSBOROUGH, San Mateo Co., Cal. Woodstock.
Two-story and basement frame and stucco residence (10 rooms and 3 baths); tile roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—Philip S. Mathews.
Architect—Willis Polk Co. (Angus McSweeney, Architect), 277 Pine St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.
Sub-bids are in and will be awarded shortly.

Contract Awarded.
RESIDENCE Cost, $7000
SAN JOSE, Santa Clara Co., Cal. S Shasta Avenue.
Two-story brick veneer residence.
Owner—Joseph and Marie Giverder.
Architect—William Higgins, 19 N-2nd St., San Jose.
Contractor—N. J. Nielsen, 1270 Iris Court, San Jose.

Contract Awarded
RESIDENCE Cost, $6000
SAN FRANCISCO. Stockton and O'-Farrell Streets.
One-story precast residence (5 rooms and breakfast room; penthouse on roof of 9-story department store building) hot air heating system.
Owner—O'Connor Moffatt & Company, Premises.
Architect—C. A. Deichmann, 110 Sutter Street.
Engineer—H. B. Hammill, 381 Bush St.
Contractor—David Paganini, 519 California Street.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 190 Brookside Drive.
One - story and baesment frame and stucco residence (5 rooms).
Owner and Builder—Hufschmidt and Whalen, 461 Lee Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland, Oakland. 14

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. 2300-02 Coolidge Avenue.
One - story and baesment frame and stucco residence (6 rooms).
Owner and Builder—J. Poey, 1925 34th Ave., Oakland.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, $25,000
SAN FRANCISCO. S Vallejo St. 40 W Baker Street.
Three-story and basement frame and stucco residence.
Owner—Stanley Barrows, 98 Estero St., San Francisco.
Architect—Masten & Hard, 233 Post St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Construction Postponed Indefinitely.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement brick veneer and shingle residence (12 rooms and 4 baths); shingle roof, gas heating system, tiled baths, hardwood floors, etc.
Owner — George A. Pope Jr., % Architect.
Architect—W. W. Wurster, 260 California St., San Francisco.

Low Bidder.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhille Road, Piedmont.
Architect—William K. Strickland, 1278 Sunnhills Road, Piedmont.
Low Bidder—F. C. Stolte, 3455 Laguna Ave., Oakland.

15— SCHOOLS

BONDS FAIL

TURLOCK, Stanislaus Co., Calif.—Turlock Union High School District defeated bond issue in the amount of $75,000 March 13. Funds were to have financed the construction of a group of shop buildings, etc., at the Turlock Union High School. G. N. Hilburn, 1213 I St., Modesto, architect.

PRELIMINARY PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved preliminary plans for repairing and rebuilding the Roosevelt elementary school, omitting the auditorium, one classroom and the kindergarten, and

Graybar Electric Co., 420 Lexington Ave., New York, $856.15.

the Temple elementary school, less one classroom and cafeteria. Geo. W. Kahrs, architect, 1224 Linden Avenue, Long Beach.

PLANS AWAITING APPROVAL

LOS ANGELES, Cal.—Following engineering plans for school strengthening have been completed and submitted to the State Division of Architecture for checking by the Los Angeles board of education:

Angeles Mesa School, 2611 W 52nd St., main building; C. J. Derrick, structural engineer, 501 Architects' Bldg. Cost, $28,000.

Brentwood School, 740 Amherst St., Brentwood Heights, main building; H. A. Nelson, structural engineer, 510 W 6th St. Cost, $33,589.

Cabrillo Avenue School, 732 Cabrillo Ave., San Pedro, main building; E. W. Taylor, structural engineer, 893 West 3rd St. Cost, $54,837.

Figueroa Street School, 11115 South Figueroa St., buildings Nos. 1 and 2; David H. Merrill, structural engineer, 561 I. W. Hellman Bldg. Cost, $93,713.

State Street School, 3211 Santa Ana Street, South Gate, auditorium and classroom building (excluding auditorium), administration building and primary unit; Holmes & Narver, Inc., structural engineers, 639 S Spring St. Cost, $93,210.

BIDS WANTED

SAN FRANCISCO—Until March 21, 1:30 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Wks., City Hall, for covering roof of Paul Revere School Annex, Andover St. and Cortland Ave. with Pabco shingles.

Preparing Working Drawings.

SCHOOL Cost, $———

FOREST RANCH, Butte Co., Calif.

One-story frame and stucco school building (rustic exterior, composition shingle roof, stucco interior, etc.) three classrooms.

Owner—Forest Ranch School District.

Architect—Chester Cole, Chico.

Plans will be completed in about three weeks.

Bond Election.

SCHOOL Cost, $40,000

HILMAR, Merced Co., Cal.

Construct new grammar school.

Owner—Elin. Grammar School Dist.

Architect—W. H. Weeks, 525 Market St., San Francisco.

An election will be held on April 30 at which time bonds in the amount of $30,000 will be voted to finance construction. If bonds are voted an application will be filed with the PWA to assist the financing.

TO PREPARE PLANS

LOS ANGELES, Cal.—Architects M. L. Barker and G. L. Ott, 346½ S La Brea Ave., have been commissioned to prepare plans for a 2-story and basement high school building to be built at the corner of 71st and Hoover Sts. for the Diocese of Los Angeles and San Diego and to be built for the Order of Carmelites of New York City.

BONDS DEFEATED

TULARE, Cal.—Tulare High School District defeated bond election March 10 in the amount of $110,000. Funds were to have financed construction of a new auditorium at the high school.

BONDS VOTED

SWEET HOME, Ore.—Sweet Home Union High School Dist. voted bonds in the amount of $50,000 to finance the construction of a new union high school building in Sweet Home.

Final Plans Approved

SCHOOL REPAIRS Cost, $58,000

SAN FRANCISCO. Broadway between Powell and Mason Streets.

Repairs and reconstruction of school building (Jean Parker School).

Owner—City and County of San Francisco.

Architect and Engineer—W. P. Day, Financial Center Building.

Bids will be asked shortly.

BOND ELECTION

SCHOOL Cost, $12,000

MARIPOSA, Mariposa Co., Cal.

One-story frame and stucco elementary school (3 classrooms).

Owner—Mariposa Elementary School District.

Architect——W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.

An election is to be held March 30 to vote bonds to finance construction.

PREPARING PLANS

PHOENIX, Arizona—Evans Constr. Co., Scottsdale, Ariz., is preparing plans for three units to be added to the Palo Verde ranch school, near Phoenix, this summer. Other improvements scheduled for this year include a swimming pool and an 18-inch well. The entire building program, to cover a period of several years, will involve the construction of ten fireproof buildings, an administration and classroom building, central heating plant and tennis courts. James S. Hutchinson is director of the school.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural plans and has authorized Architects M. L. Barker and G. Lawrence Ott, 346½ S. La Brea Ave., to proceed with working drawings for reconstructing the main building at the Leland Street School, Leland and 22nd Sts., San Pedro. Cost, $61,088.

PRELIMINARY PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved preliminary plans and has instructed Architect Hugh R. Davies, 430 E Ocean Blvd., Long Beach, to proceed with working drawings on the following buildings at the Polytechnical high school: Commercial science, art and music, administration, manual arts, boiler house, cover ways and stair towers, library and study hall. Estimated cost, $745,900.

PRELIMINARY PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved preliminary plans and has instructed Architect W. H. Austin, 532 Chestnut Ave., Long Beach, to proceed with working drawings for repairing and rebuilding the administration building, new science, shops and junior college classrooms at the Woodrow Wilson high school. Cost, $197,000.

PRELIMINARY PLANS APPROVED

HUNTINGTON PARK, Los Angeles Co., Cal.—Los Angeles board of education has approved preliminary engineering plans prepared by Structural Engineer John S. Ferguson, 1468 Reeves St., for reconstruction work at Gage Avenue school, 2880 Gage Avenue, Huntington Park. Authorization for preparation of working drawings has been deferred temporarily pending further study of the project. Cost, $106,089.

Bond Election Planned.

SCHOOL Cost, $20,000

COTATI, Sonoma County, Calif.

One - story frame and stucco school building (five classrooms) shingle roof, etc.

Owner—Cotati Junior High School District.

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

An election will be held shortly to finance construction.

Completing Plans.

HIGH SCHOOL Cost, $60,000

COVELO, Mendocino Co., Calif.

Three one-story high school buildings (six classroom academic buildings, frame construction, reinforced concrete gymnasium and frame shop) builtup composition roofing, steam heating system to connect grammar school.

Owner—Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Bids will be asked in about 1 week.

Work Started.

GYMNASIUM Cost, $20,000

ANDERSON, Shasta Co., Calif.

One-story frame and stucco gymnasium (composition roof, wood and concrete floors).

Owner—Anderson Union High School District.

Architect—W. E. Coffman, Forum Bldg., Sacramento.

Work is being done by day's labor under the CWA.

Plans Awaiting Approval

REPAIR SCHOOL Cost, $68,400

SAN FRANCISCO. Pine and Larkin Streets.

Repairs to Redding Elementary School

Owner—City and County of San Francisco.

Engineer—C. H. Snyder, 251 Keanry St., San Francisco.

Plans have been forwarded to Sacramento for approval.

APPLICATION WITHDRAWN

ALAMEDA, Cal.—City of Alameda has withdrawn its application for federal loan and grant in the amount of $180,000 to finance construction of replacement of Longfellow, Mastic and Versailles Schools. A bond election held on December 19 for $448,000 was defeated.

Contemplated.

SCHOOL Cost, $48,000

DORRIS, Siskiyou Co., Cal.

One-story wood and brick veneer grammar school.

Owner—Dorris Grammar School Dist.

Architect—Not Given.

Bonds in the amount of $33,600 were recently voted and the District will apply to the PWA for aid. $14,400 is expected as an outright grant.

BOND ELECTION

SHOP AND GYM. Cost, $32,000

HILMAR, San Joaquin Co., Cal.

One-story frame and stucco gymnasium and shop building.

Owner — Ripon Junior-Senior High School District.

Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.

An election will be held on April 30 to vote bonds in the amount of $30,000 to finance construction. Application will be filed with the PWA to assist the financing.

BOND ELECTION

MANTECA, San Joaquin Co., Cal.—Calla School District is considering holding an election on March 30, to vote bonds in the amount of $19,000 to finance construction of a one-story frame, stucco and brick veneer school building in Manteca. Building will contain three classrooms and assembly hall. Frank Mayo, 108 E. Miner St., Stockton, Architect.

BOND ELECTION

BAKERSFIELD, Kern Co., Cal.—Union Avenue School District will

hold an election on March 30 to vote bonds in the amount of $8500 to finance construction of alterations and additions to the Union Avenue School, Bakersfield. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, Architect.

BOND ELECTION
SCHOOL Cost, $110,000
MARIPOSA, Mariposa Co., Cal.
One and two-story reinforced concrete high school (five classrooms, audtorium to seat 300, bookkeeping room, science room, etc.); tile roof, steam heating system, etcm.
Owner—Mariposa County High School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.
An election will be held on March 30 to vote bonds to finance construction.

ASK FEDERAL AID
NEWPORT BEACH, Orange Co., Cal.—Newport Beach Grammar School District has applied to the Public Works Administration for a grant of $35,910 to be used in financing the construction of a new school building in Newport Beach. Total estimated cost of the structure is $110,000. Donald Beach Kirby, 119 N. Kenwood Street, Glendale, architect.

SEEK FEDERAL AID
WASCO, Kern Co., Cal. — Wasco Union High School District has applied to the Public Works Administration for a loan of $42,000 and a grant of $14,000 to finance the construction of a science building at the Wasco High School.

Plans Completed.
REPAIR SCHOOL Cost, $51,144
SAN FRANCISCO. Jackson St. bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
Final plans have been forwarded to Sacramento for approval.

TO PREPARE PLANS
LOS ANGELES, Cal.—Architect Eugene Weston, Jr., 502 Architects' Bldg. has been commissioned by Los Angeles board of education to prepare architectural, engineering and mechanical plans for a 13-unit new building, to be built at the Lomita school site, 1145 Narbonne Ave., Lomita. Cost $87,360.

PLANNED
BAKERSFIELD, Kern Co., Calif.—Bakersfield board of education is considering a request made by residents of the Roosevelt, Longfellow and Jefferson school districts to add classrooms to the school buildings in the three districts.

BIDS WANTED
LOS ANGELES, Cal.—Until 10:30 A. M., March 26, bids will be received by the Los Angeles board of education for the recostruction, rehabilitation & strengthening of Unit No. 2 at the Cienega school, located on the SE corner of W Adams Blvd. and Sycamore Ave. Engineering plans were prepared by R. McC. Beanfield, structural engineer, 615 Chamber of Commerce Bldg.; architectural plans by the architectural division of the board, J. D. Scouller, manager; A. S. Nibecker, Jr., architect.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural plans and has authrozed Architects Hibbard, Gerity & Kerton, 816 W. 5th St., to proceed with working drawings for reconstructing the main building at the Menlo Avenue School, 4170 S. Menlo Ave. Cost, $61,826.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural plans and has authorized Architect Henry F. Withey, 407 S. Western Ave., to proceed with working drawings for reconstruction of buildings No. 1 and No. 2 at the Fries Avenue School, 1301 Fries Ave. Cost, $73,062.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural plans and has authorized Architect P. O. Wright, Black Bldg., to proceed with working drawings of buildings No. 1 and No. 2, at the Figueroa Street School site, 11115 S. Figueroa St. Cost, $93,713.

BONDS VOTED
ARDEN, Sacramento Co., Cal.—Arden School District voted bonds in the amount of $16,500 to finance construction of alterations and additions to present school building in Arden.

BOND ELECTION
TULARE, Cal.—Tulare High School District will hold a second election on April 7 to vote bonds in the amount of $110,000 to finance construction of a new auditorium at the high school.

Being Done By Day's Work.
SHOWER ROOM Cost, $20,000
CHICO, Butte Co., Calif.
One-story concrete girl's shower room.
Owner—Chico High School District.
Architect—Chester Cole, Chico.
Mgr. of Const.—Frank Parker, Chico.
Bids will be asked for roofing, plastering, steel sash, mill work, plumbing and heating materials.
Work is being done by day's labor under the CWA.

16—BANKS, STORES AND OFFICES

BIDS WANTED
FOLSOM, Sacramento Co., Calif.—Until March 23, 8 P. M., bids will be received by G. H. Williams, Supt. of Banks, Folsom, for repairing front, side and back porches, composition roofing, etc., of the Bank of Folsom. Bids will also be received for scraping and painting exterior, work involving two coats of lead and oil paint. Specifications available from above office.

Contract Awarded.
STATION Cost, $6500
YREKA, Siskiyou Co., Cal.
Construct broadcasting station (install radio studio in Broadway Theatre building) 100 watt station.
Owner—Northern California Amusement Co. (George Olsen, Dist. Mgr.)
Architect—Not Given.
Contractor — Floyd Bush, Medford, Oregon.

Sub-Contracts Awarded.
REMODEL BLDG. Cost, $——
SAN MATEO, San Mateo Co., Cal. No. 87 Third Avenue.
Reconstruct ground floor of office building.
Owner—Pacific Gas & Electric Co., 87 Third Ave., San Mateo.
Architect—Not Given.
Contractor—Leadley & Wiseman, 207 2nd St., San Mateo.
Waterproofing—San Mateo Roofing Co. San Mateo.

Plans Being Figured—Bids Close Mar. 19, 2 P. M.
STORE Cost, $12,000
SAN FRANCISCO. NE Chestnut and Avila Streets.
One-story Class C reinforced concrete store building (65x47 ft.); tar and gravel roof, concrete and wood floors, decorative tile work, etc.
Owner — Martin Stelling, 155 Montgomery St., San Francisco.
Architect—Francis Lloyd, 360 Pine St., San Francsico.
Young & Horstmeyer, 461 Market St., are figuring the plans and desire sub-bids on all portions of the work.

To Be Done By Day's Work.
ALTERATIONS Cost, $2,000
SAN FRANCISCO. 1804-06 Sutter St.
Alterations to store building.
Owner—L. Morino, 1530 Geary Street.
Engineer—T. F. Boyle, 1452 Chestnut.

Sub-Bids Being Taken.
ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 930 Market Street.
Owner—Selix Clothing Co., Premises.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch St., San Francisco.

Plans Being Prepared.
ADDITION Cost, $25,000
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and Y Streets.
Addition to present laboratory building (concrete foundations, concrete floors, brick walls, composition roofing, etc.) (Fort Highway Department).
Owner—State of California.
Architect—Geo. B. McDougall (State Architect), Public Works Bldg., Sacramento.
Bids will be asked shortly.

Preparing Working Drawings.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinf. concrete bank bldg. (composition roofing, steam heat).
Owner—Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
It is expected to call for bids in about three weeks.

Construction Started.
STORE Cost, $8,000
YUBA CITY, Sutter Co., Calif.
One-story brick store building (50x90) concrete foundations, composition gravel roof.
Owner and Builder—Harry Ham, Yuba City.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. 930 Market St.
Alterations to store building.
Owner—Selix Clothing Co., 930 Market Street.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.

Plans Being Prepared.
OFFICE Cost, $——
EXETER, Tulare Co., Calif.
One-story frame office building (50x150) offices, salesroom, and storage facilities.
Owner—Southern California Gas Co., 950 S Broadway, Los Angeles.
Plans by Engineering Dept. of Owner.

To Be Done By Day's Work.
STORE Cost, $3000
OAKLAND, Alameda Co., Calif. 2996 Hopkins Street.
One-story frame store building.
Owner and Builder—L. E. Van Ness, 4920 Park Blvd., Oakland.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN JOSE, Santa Clara Co., Cal. No. 184-188 South First St.
Alterations to building.
Owner—H. Nelson French, Capital National Bank Bldg., San Jose.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln St., San Jose.

Contract Awarded.
ADDITION Cost, $2000
OAKLAND, Alameda Co., Calif. 1414 Campbell Street.
Addition to building.
Owner—G. Fratini, 1414 Campbell St., Oakland.
Architect—Not Given.
Contractor—P. Delucchi & Son, 5443 Claremont Ave., Oakland.

Ornamental Iron Contract Awarded
STORES AND OFFICES Cost, $——
SAN FRANCISCO. Sixteenth St. bet. Mission and Valencia Streets.
Two-story, basement and mezzanine floor Class A steel frame and reinforced concrete store and offices (two stores, 14 offices) asphalt and gravel roof, steam heating system, ventilating, electrical work, wood and tile floors, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons Architects and Engineers, Phelan Bldg., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., at $16,955.
Ornamental Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.
Plumbing, heating and ventilating bids are in and will be awarded shortly. Other awards previously reported.

CONTRACT AWARDED
SAN FRANCISCO—Western Asbestos Magnesia Co., 675 Howard St., San Francisco, at $655 awarded contract by Department of Public Works for acoustical treatment of the meeting room of the Board of Education. Work involves acoustical tile to be acoustic ½-in. thick, 12x12-in. Sanecoustic tile. celotex cane fibre tile, type triple B-1, Complete bids published March 8.

Additional Sub-Contracts Awarded.
STORE Cost, $7500
OAKLAND, Alameda Co., Cal. Lakeshore Boulevard.
One - story reinforced concrete store building (50x80 feet) wood trusses, tar, gravel and composition roof, Vitrolite front, metal sash bars.
Owner—L. B. Hoge.
Architect—Ray Keefer, 770 Wesley St., Oakland.
Structural Engineer—V. Poss, 2929 Russell St., Berkeley.
Contractor—C. H. Thrams, 28 Home Place, Oakland.
Plastering—Arthur Moore, 526 57th St. Oakland.
Roofing—Guy Tyler, 1502 Cedar Street, Berkeley.
Painting—Pacific Painting & Decorating Co., 5414 Telegraph Ave., Oakland.
As previously reported, electric contract awarded to E. L. Reed, 3515 Porter St., Oakland; reinforcing steel to Soule Steel Co., 1750 Army St., San Francisco; steel sash and glass to East Bay Glass Co., 621 6th St., Oakland.

Planned.
ALTERATIONS Cost, $——
SUSANVILLE, Lassen Co., Calif. 610 Main Street.
Alterations to store building.
Owner—Safeway Stores, Inc. (M. S. Christenson, Dist. Mgr.)
Plans by Engineering Dept. of Owner.

PLANS BEING FIGURED
LOS ANGELES, Cal.—Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., have prepared plans and are taking bids from a selected list of contarctors for a 1-story, Class C building to be erected at the corner of Jefferson Blvd. and Vermont Ave. for the A. G. Bartlett Co. The building will be occupied by Station D of the Los Angeles post office. It will be an L-shaped structure, 42x129 ft., with a rear wing 82x30 ft.; reinforced concrete walls, wood roof trusses, composition roofing, steel sash, cement floors, waste mould work, paved court, incinerator, wall, etc.

PREPARING WORKING DRAWINGS
LONG BEACH, Los Angeles Co., Cal.—Architect E. R. Bobbe, 315 Heartwell Bldg., Long Beach, is preparing working drawings for repairing and rebuilding a four-story office building on Locust Ave. for the Long Beach Board of Education. Work will consist of new reinforced concrete exterior walls, gunite repair work, replacing the partitions on the first and second floors, tile work in toilets, marble work, ventilating system, acoustical treatment, etc. Cost, $30,000.

Contract Awarded.
STORE Cost, $14,000
RODEO Contra Costa Co., Cal.
One-story frame and brick store building (75x85 feet); felt and gravel roof, wood floors, etc.
Owner—Louie Kronich.
Architect—James Narbett, 474 31st St., Richmond.
Contractor — John E. Branagh, 116 Monticello St., Oakland.
Brick Work — James Walker, Richmond.

Contract Awarded.
ALTERATIONS Cost, $4000
SAN FRANCISCO. SE Seventh and Minna Streets.
Alterations to stores and apartments.
Owner—H. L. E. Meyer Jr., 2650 Green St., San Francisco.
Architect—Noble and A. T. Newsom, 1125 Russ Bldg., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

BIDS WANTED
SAN FRANCISCO.—Mullen Mfg. Co. 64 Rausch St., at $2,137.50 submitted low bid to Department of Public Works for alterations in offices of the Board of Supervisors, City Hall. Complete bids follow:

Mullen Mfg. Company	$2,137.50
R. Brandlien & Co.	2,325.00
O. Monson	2,741.00
Theo. Cohn	2,759.00
M. E. Vukicevich	2,797.00
Seymour Show Case Corp.	2,837.52
Westerlund & Nyland	2,892.00
H. L. Petersen	2,987.00
J. H. Johnson	3,197.00

All bids held under advisement.

Sub-Contracts Awarded.
BAKERY Cont. Price, $19,300
SAN FRANCISCO. NE Powell and Francisco Streets.
One-story concrete bakery.
Owner—Venetian Bakery.
Architect—T. Ronneberg, Crocker Building.
Contractor—MacDonald & Kahn, Financial Center Bldg., Oakland.
Steel Sash—Detroit Steel Prod. Co., 111 Sutter Street.
Mill Work—Harder's Planing Mill, 2845 Oakdale.
Concrete—Bode Gravel Co., 235 Alabama Street.
Reinforcing Steel—W. C. Hauck & Co., 280 San Bruno Avenue.
As previously reported, electric contract awarded to Chas. Langlais, 472 Tehama St.; lumber to Roth Maier, 2800 Third St.; glass to W. P. Fuller & Co., 301 Mission St.

17— THEATRES

Sub-Contracts Awarded.
ALTER THEATRE Cost, $18,000
ROESVILLE, Placer Co., Cal.
Alterations and additions to theatre.
Owner—J. B. Lima, Livermore, and John Peters, Oakland.
Architect—Not Given.
Contractor—Wilke & Tropper, Roseville.
Plumbing—D. F. Mulligan, Roseville.
Mill Work—Diamond Match Co., Roseville.
Ornamental Iron—Alling Iron Works, 2415 Fifth St., Sacramento.
Plastering—J. Purcell, Roseville.
Tile and Marble—H. P. Fischer Tile & Marble Co., 1219 J St., Sacramento.
Glass and Glazing—W. P. Fuller & Co., 1013 12th St., Sacramento.

Contract Awarded.
ALTER THEATRE Cost, $——
LODI, San Joaquin Co., Cal. No. 19 S-School Street.
Alterations and additions to theatre (move projection room, installation of seas, install heavy acoustic materials, etc.)
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Architect—Not Given.
Contractor—Fred Salih, 25 Taylor St., San Francisco.

18— WHARVES & DOCKS

CONTRACT AWARDED
SAN FRANCISCO. — Edwin Anderson, 209 Post St., at $2311 awarded contract by the State Board of Harbor Commissioners, Ferry Bldg., for whitewashing sheds on Piers Nos. 3 and 34. Complete bids follow:

Edwin Anderson, S. F.	$2311
Patterson Bros., Oakland	2950
Lee Dixon, San Francisco	2993

BIDS WANTED
SAN DIEGO, Cal.—Until March 23, 11 A. M., bids will be received by the Public Works Officer, Naval Operating Base, San Diego, for berthing platforms and dolphins at the Naval Operating Base (Air Station), San Diego. Spec. No. 7630. Work consists of three timber berthing platforms, two 10-pile dolphins and pile bents and timber walkways between platforms and between pier and platforms, all in the vicinity of and parallel with the existing concrete pier. Project includes creosoted piling, timber framing, deck planking, cast steel bollards, tie rods, bolts and miscellaneous iron work.
Bidding data obtainable from above office upon deposit of $10.00.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SEATTLE, Wash.—Walsh Construction Co., 2246 First St., Seattle, at $1175 awarded contract by Seattle Port Commission, for the installation of an automatic sprinkler system for the new fish handling shed on Spokane Street Pier. Asphalt Paving Co., at $1018 awarded contract for paving and Pioneer Sand & Gravel Co., $545 awarded contract for roofing.

CONTRACT AWARDED
MARTINEZ, Contra Costa Co., Cal. —Alco Products Co., Rialto Bldg., San Francisco, awarded contract by Shell Oil Company for the construction of a pressure distillate stabilizing unit at the Shell plant at Martinez.

PLANNED
CULVER CITY, Los Angeles Co., Cal.—L. U. Smith and W. A. Salisbury, Culver City, mortician, have applied to the Culver City city council

for permission to establish a crematory and columbarium on Hines Ave., between Adams and Washington Blvds,. Culver City.

CONTRACT AWARDED

MYRICK, Ore.—Louis Delivuk and Co., Spokane, at $26,000 awarded contract by Myrick Elevator Company for the construction of a 150,000-bushel grain elevator of cribbed construction at Myrick. G. R. Hugunin, 984 East Everett St., Portland, engineer.

Sub-Contracts Awarded.

BERKELEY, Alameda Co., Cal.—A. Federborg, 1455 Excelsior Ave., Oakland, awarded the following sub-contracts for the construction of an experimental house "E" at the Poultry Research Station, University of California, Berkeley. Cost, $6,299.

Concrete Work—J. H. Fitzmaurice, 354 Hobart St., Oakland.

Mill Work—Lannom Bros., 362 Magnolia Ave., Oakland.

Plumbing—D. W. Durant, 922 Webster St., Oakland.

Hardware—Maxwell Hdwe Co., Oakland.

BOND ELECTION

SAN ANSELMO, Marin Co., Cal.—City of San Anselmo is holding an election on March 26 to vote bonds in the amount of $25,000 to finance construction of a recreation center. Improvements contemplated, include construction of four tennis courts, concrete swimming pool, 45x105 feet, machinery and pumps for operation, baseball grounds, dressing rooms and showers.

Plans Being Completed.

MAUSOLEUM Cost, $150,000

LAWNDALE, San Mateo Co., Calif. Home of Peace Cemetery.

Reinforced concrete mausoleum (columbarium, chapel and crematory) marble and bronze interior, etc.

Owner—Temple Emanuel.

Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Bids will be asked in about two weeks.

Plans Being Completed.

POOL, ETC. Cost, $10,000

BOYES SPRINGS, Sonoma Co., Cal.

Reinforced concrete swimming pool, 35x70 feet and frame addition to dining room.

Owner — Sonoma Mission Inn (Mrs. Emilie Long), Sonoma Mission Inn Boyes Springs.

Architect—Fred H. Reimers, 233 Post St., San Francisco.

Bids will be asked in one week.

BIDS OPENED

NORTH SACRAMENTO, Cal.—Following bids received by Grant Union High School District, for furnishing materials as follows for the construction of a swimming pool, 150x50 feet at the high school grounds:

CEMENT

Identical bids at $1601.15 submitted by the Sacramento Lumber Co., Ltd., 4th and North B Sts., Sacramento, and Rio Linda Lumber Co., Rio Linda.

AGGREGATES

Involving 495 yds., identical bids at $4.75 per ton submitted by Sacramento Lumber Co., Ltd. and Rio Linda Lumber Co.

NAILS

Identical bids at $24.90 submitted by Sacramento Lumber Co., Ltd.; Rio Linda Lumber Co.; Bates Lumber Co., and General Supply Co., Inc., Auburn Blvd., Sacramento.

STEEL

Identical bids at $863 submitted by W. C. Hauck & Co., 280 San Bruno Ave., San Francisco; Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco; Western Asbestos Magnesia Co., 675 Townsend St., San Francisco; Soule Steel Co., 1750 Army St., San Francisco, and W. S. Wetenhall Co.

WIRE MESH

Identical bids at $162.50 submitted by W. C. Hauck & Co.; Pacific Coast Steel Corp.; Western Asbestos Magnesia Co.; Soule Steel Co., and W. S. Wetenhall Co.

ASPHALT FENCE JOIST

Western Asbestos Magnesia Co., 675 Townsend St., San Francisco, submitted only bid at $63.69.

LUMBER

Identical bids at $380.40 submitted by Bates Lumber Co.; Sacramento Lumber Co., Ltd.; Rio Linda Lumber Co., and General Supply Co.

Work will be done by day's labor under the CWA.

CONTRACT AWARDED

SUMMIT, CANAL ZONE AND Lualualei, Oahu—United States Steel Products Co., Washington, D. C., at $528,750 awarded contract by the Navy Department, Bureau of Yards and Docks, Washington, D. C., for constructing six 600 ft. and three 300 ft. steel radio towers at each of the Naval Radio Stations, Summit, Canal Zone and Lualualei, Oahu, T. H. Spec. No. 7524.

Sub-Contracts Awarded.

MORTUARY Cost, $15,000

ROSEVILLE, Placer Co., Calif.

Two-story mortuary (brick construction, tile roof, chapel, pipe organ, preparation room, three reposing rooms, display room, etc.)

Owner—Mrs. Alice L. Broyer, 319 Vernon St., Roseville.

Architect—Not Given.

Contractor—J. M. Stoffells, Lin and Elefa Sts., Roseville.

Heating—Savage Bros., Roseville.

Plumbing—Nason Plumbing Co.

Electric Wiring—W. L. Harges, Roseville.

Millwork—O. W. McAlpin, Roseville.

Structural Steel, Iron, Etc.—Alling Iron Works, 5th and X Sts., Sacramento.

Roofing—F. A. Clark Roofing Co., Box 1888, Route 1, Sacramento.

Sheet Metal—Savage Bros., Roseville.

Painting—I. Robinson, Roseville.

Plastering—J. Purcell, Roseville.

Tile—H. O. Adams, 2610 I St., Sacramento.

Glass and Glazing—W. P. Fuller and Co., 1013 12th St., Sacramento.

Excavating—M. F. Dietrich, Roseville.

Carpentry and masonry is being done by day's labor.

Planned.

RECREATION CENTER Cost, $20,000

MORGAN HILL, Santa Clara Co., Cal. One-half mile south of town.

Recreation center (swimming pool, tennis court, gymnasium, wading pool, etc.)

Owner—Group of residents (headed by H. A. Clark) Morgan Hill.

Architect—Not Given.

Proposed work is in a preliminary stage and financing arrangements are under way.

Plans Being Prepared.

MISC. BUILDINGS. Cost, $——

YOSEMITE VALLEY, Cal. Wawona and Tuolumne Meadows.

Construct rest room, ranger station, bunk houre, dining room, kitchen building, etc.

Owner — United States Government (Park Service).

Plans by National Park Service, 525 Market St., San Francisco.

Work will be done by day's labor.

Plans Being Prepared.

OAKLAND, Cal.—Plans are being prepared by the Engineering Department of Albers Bros. Milling Company, Oconomowoc, Wis., for the construction of a 200,000 bushel capacity grain elevator on the Oakland waterfront. Estimated cost, $75,000. Bids will be asked in about ten days by the owners from their office at the west end of 7th St., Oakland.

BIDS OPENED

PEARL HARBOR, T. H. — H. A. Hettema, 2934 Kalihi Road, Honolulu, T. H., at $4897 submitted low bid to the Public Works Officer, 14th Naval District, Navy Yard, Pearl Harbor, for the construction of a spray cooling pond at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7577. (The bids were opened March 7.) Complete bids follow:

H. A. Hettema, 2934 Kalihi Road, Honolulu, $4897.

John Hanse, Ala Moana Road, Honolulu, $5738.

Hawaiian Contracting Co., 854 Kaahumanu St., $5875.

R. J. Whinery, 398 Loma Dr., Los Angeles, $5945.

Walker & Olund, 820 Lower Pookol St., Honoluluf $6039.

Van Hamn Young Co., Young and Bishop Sts., Honolulu, $6351.

American Hawaiian Steel Co., 1750 Young St., Honoloulu, $6450.

Kalihi Contracting Co., 167 Kamohalii St., Honolulu, $6624.

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20—MISC. SUPPLIES AND MATERIALS

AWARDS

BOULDER CANYON, Nevada—Following contracts have been awarded by the Bureau of Reclamation, Denver, Colo., for miscellaneous supplies for the Boulder Canyon Project:

Pro. 23057-A1—Draft tube manhole frames:

Joshua Hendy Iron Works, 200 Pine St., San Francisco, $5780; L. C. Card & Son, $1017.62.

Pro. 23059-A—Sewer pipe and fittings:

Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, Pa., $232.62.

Pro. 23060-A—Reinforcing bars for Penstock tunnels:

Illinois Steel Co., 2-8 S. LaSalle St., Chicago, $957.07.

Pro. 23062-A—Bolts and nuts:

Mid-West Steel &Iron Works Co., 25 Larimer Street, Denver, Colorado, $1733.49.

Pro. 23063-A—Brass pipe:

Associated Pipe & Engrg. Co., 1915 E. 51st St., Los Angeles, $740.75; Richmond Sanitary Co., Ninth and Alice Sts., Richmond, Calif., $3,356.14

Pro. 23064-A—36-in. plate steel pipe for drainage system:

Lacy Mfg. Co., 311½ S. Spring St., Los Angeles, $420.58.

Pro. 23065-A—Cast iron bell and spigot pipe:

Pacific States C. I. Pipe Co., P. O. Box 18, Provo, Utah, $1624.27; Grinnell Co. of the Pacific, 601 Brannan St., S. F., $8183.14.

Pro. 23067-A—Standard steel pipe for tunnels:

Los Angeles Valve & Fittings Co., 1650 Indiana St., L. A., $436.17.

Pro. 23051-A—Electric apparatus for dam and power plant:

Hendrie & Bolthoff Mfg. & Supply Co., 1639 17th St., Denver, Colo., $9541.02; New England Elec. Co., 1951 Lawrence St., Denver, $2441.43 Mine & Smelter Supply Co., 17th and Blake Sts., Denver, $1994.64; Graybar Elec. Co., 420 Lexington Ave., New York, $3315.50; General Electric Supply Corp., 172 Haynes, S. W., Atlanta, Ga., $209.83.

Pro. 23089-A—Bolts, plates and washers:

Kortick Mfg. Co., 335 First St., San Francisco, $508.80.

Pro. 23076-A—Galv. fittings:

Pro. 23050-A—Aluminum rolling doors, for valve houses:
George W. Johnson Mfg. Co., 2-7 W. 17th St., Kansas City, $1417.
Pro. 23054-A—Stairway metal nosing for power plant:
Safe Tread Co., $4015.87.
Pro. 23058-A—Reinforcing steel for galleries and lobbies:
Inland Steel Co., 33 S. Clark St., Chicago, $4840.28.

CONTRACT AWARDED.

MINIDOKA Project, Idaho.—Inland Steel Co., 33 S Clark St., Chicago, at $1094.11 awarded contract by Bureau of Reclamation, Denver, for furnishing reinforcing steel for the Minidako Project under Proposal 5565-A.

BIDS OPENED

CONCORD, Contra Costa Co., Cal.—Following bids received by the Purchasing Agent, Post Office Department Washington, D. C., for furniture and screen line equipment for the post office at Concord; Proposal No. 1099:

Corbin Cabinet Lock Co. 2%	$1,296.00
Keyless Lock Co., 5%	1,376.47
Geo. Fensky Co., 5%	1,420.00*
Alternate	1,465.00*
McLane Mfg. Co., 5%	1,545.00
Federal Equip. Co., 5%	1,682.00*
Alternate	2,103.00*

*Delivered; all other bids f.o.b. cars.

BIDS OPENED.

BERKELEY, Alameda Co., Cal.—W. H. Larson, 432 Michigan Ave., Berkeley at $2.78 per ton (street) and $2.98 (truck) submitted low bid to the Berkeley city council for furnishing 500 tons of bituminous treated crushed gravel or stone. Following bids received:
(1) delivered and placed on street;
(2) by truck, company's plant.

W. H. Larson, Berkeley	(1)	$2.78
	(2)	2.98
Ransome Co., Emeryville	(1)	3.70
	(2)	3.50
Independent Const. Co., Oak.	(1)	3.90
	(2)	3.35

Bids held under advisement.

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Ransome Company, 4030 Hollis St., Emeryville, at $3.70 (street) and $3.50 (truck) submitted low bid to Berkeley city council for furnishing 500 tons of type "C" surface mixture. Following bids received:

Ransome Co., Emeryville	(1)	$3.70
	(2)	3.50
W. H. Larson, Berkeley	(1)	$3.73
	(2)	3.93
Independent Const. Co., Oakland	(1)	$4.55
	(2)	3.95

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO, Cal.—The following bids were received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, San Francisco, for furnishing 2,000 ft. 2¾-in. Cotton Rubber Lined Fire Hose:
Pioneer Rubber Mills, 353 Socramento St., San Francisco, $1.00 per ft. (15 days delivery).
The American Rubber Mfg. Co., 7 Front St., San Francisco, $1.00 per ft. (30 days delivery).

BIDS OPENED.

PACIFIC COAST. — Vitrefrax Corp., Los Angeles, submitted the low bid to the Navy Dept., Bureau of Supplies and Accounts, March 6 at $3064.75 for furnishing fire brick for San Diego; Schedule 1755, Eng., Lot 1304A. Denver Fire Clay Co., Denver, was low at $8868.50 for fire brick for Mare Island; also low at $7486 for fire brick for Puget Sound. For Lot 1304B, fire brick f.o.b. works, Wellsville Fire Brick Co., Wellsville, Mo., was low at $8595.

BIDS OPENED

SAN FRANCISCO.—M. M. Brown, 404 Sacramento Ave., Dunsmuir, at $55.00 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., for hauling a government owned 35-hp. tractor from the maintenance camp, 6 miles northwest of Canby (on the road to Perez) to McCloud.

O'Connor Bros., Red Bluff, submitted only other bid at $115.00.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—The following submitted bids to Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing under Invitation Bid No. 816, f.o.b. shipping point of bidder, 2,000 gals. asphaltic emulsion, for surfacing bridge roadway:

Shell Oil Co., San Francisco, $0.1125 per gal.; $225.00.

American Bitumuls Co., 200 Bush St. San Francisco, $0.1125 per gal; $225.00.

BIDS OPENED

GLENDALE, Cal. — The following bids were received by the Glendale City Council, March 8, for furnishing one carload cross-arms, 8-pin, low voltage, 3¾-in. by 4¾ by 9½-ft., in accordance with Drawing S 40, Item C. Rainier Grade Treated Douglas Fir:

Patten-Blinn Lumber Co., $1.08 each; delivery 30 to 40 days.

General Electric Supply Corp., $1614 per C.; 17 days.

Maydwell & Hartzell, $110.50 per C pieces; 16 days.

J. H. Baxter & Co., $1.25 each; 30 days.

Joslyn Co., $118.55 per C; one week to Seattle; 10 days to Los Angeles.

McCormick Supply Co., $1.48 each; 20 to 30 days.

Graybar Elec. Co., $118.55 per C; ship in 1 day from Chehalis, Wash.

Chas. R. McCormick Lumber Co., $1.15 each net; 30 to 45 days.

Bids were referred to P. Diederich, Plant Superintendent.

March 10, 1934

CONTRACTS AWARDED

SAN FRANCISCO—Purchasing Department awarded to following contracts for furnishing office furniture and police department furniture under Bid No. 1155:

M. G. West Co., 117 Front St.

Stevenson & Son, Second and Mission Sts.

Rucker Fuller Co., 539 Market St.

Remington Rand Co., 509 Market St.

H. S. Crocker Co., 565 Market St.

BIDS OPENED

SAN FRANCISCO. — The following bids were received by the U. S. Engineer, Col. H. A. Finch, District Engineer, 401 Customhouse, for repairing the U. S. seagoing Hopper Dredge "A. Mackenzie," under Circular Proposal No. 34-36:

Moore Dry Dock Co., foot of Adeline St., Oakland, $43,965.70 (30 calendar days).

General Engr. and Dry Dock Co., 1100 Sansome St., San Francisco, $45,941.85 (35 calendar days).

Bethlehem Ship Bldg. Corp., Ltd., San Francisco, $40,545.70 (28 calendar days).

Mare Island Navy Yard Estimate, $36,157 (25 working days).

All bids held under advisement.

BIDS OPENED.

ALTURAS, Calif. — Following bids received by Division of Purchases, Washington, D. C., for fencing materials at Alturas, Proposal No. 6009:

Youngstown Sheet & Tube Co., Youngstown, Ohio, $1,435.54.

Bethlehem Steel Co., Bethlehem, Pa., $1,387.63.

Keystone Steel & Wire Co., Peoria, Ill., $1,562.24.

American Steel & Wire Co., Washington, $1,534.16.

Continental Steel Co., Kokomo, Ind., $1,481.77.

California Wire Cloth Co., Oakland, $1,703.14.

J. T. Negley & Co., Alturas, $1,526.00.

Flanigan Warehouse Co., Reno, Nev., $1,432.16.

BIDS OPENED.

SHELDON, Nevada. — Following bids received by Division of Purchases, Washington, D. C., for fence posts at the Sheldon Refuge, Nevada, Proposal 6010:

Cook Cedar Co., St. Maries, Idaho, (1) $1,215.

Weyerhaeuser Sales Co., Spokane, Wash., (1) $2,793; (2) $3,970.

Alturas Building Material Co., Alturas, (2) $4,826.

L. D. McFarland, Sand Point, Idaho, (1) $2,370.

Hitchner & Hitchner, Sand Point, Idaho, (1) $1,990.

McGillis & Gibbs Co., Milwaukee, (1) $3,260.

Schaefer-Hitchcock Co., Sand Point, Idaho, (1) $2,505; (2) $3,564.

BIDS OPENED

REEDLEY, Cal. — Interior Steel Equipment Co., Washington, D. C., at $65.62 submitted low bid to Post Office Department for furniture and screen line equipment for the Post Office building in Reedly. Following bids received:

Interior Steel Equipment Co., Washington, D. C.	$65,62.
Lyon Metal Products Co., Baltimore, Maryland	$72,13.
Metal Office Furniture Co., Grand Rapids	$72.13.
DeLuxe Metal Furniture Co., Warren Pa.	$73,43.
Feredal Equipment Co., Carlisle, Pa.	$74.40.
Morley & Co., Pico, Washington	$81.13

Proposal No. 1086. Bids held under advisement.

BIDS OPENED

OREGON CITY, Oregon.—Following bids received by the Purchasing Department, Washington, D. C., under Proposal 4451, February 23, for furnishing metal shelving for Yuma:

Penn Metal Company	$703.83
Fred Medart Mfg. Co.	775.68
Berger Mfg. Co.	775.77
Interior Steel Equip. Co.	783.73
Metal Office Furniture Co.	789.60
Worley & Co.	792.96
Electric Service Supplies	800.77
Globe Wernicke Co.	821.07
De Luxe Metal Furniture Co.	863.66
General Fireproofing Co.	894.25
Jamestown Metal Equip. Co.	914.31
Lyon Metal Products	918.97

BIDS OPENED

REEDLEY, Fresno Co., Cal.—Federal Equipment Co., Carlisle, Pa., at $1349 submitted low bid to Post Office Department, Washington, D. C., for furnishing furniture and screen line equipment for the Post Office Building Reedley. Proposal No. 1084. Following bids received:

Federal Equipment Co., Carlisle, Pa.	$1349; alternate, $1771.
Corbin Lock Co., New Britain, Conn.	$1355.
George Fensky Co., San Francisco	$1400; alternate, $1485.
Morgan Lumber & Mfg. Co., Charleston	$1420.
McLane Mfg. Co., Melford	$1602.
Central Post Office Equipment Co. Chicago, Ill.	$1710.
Original Cabinet Corp., Niles, Mich.	$2400.

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO—Auburn Lumber Co., Auburn, at $9502.32 awarded contract by U. S. Forest Service, San Francisco, for furnishing plumbing fixtures. Bids read as follow:

(1) 64 bath tubs, $35.87.
(2) 124 lavatories, $11.55.
(3) 120 water closets, $16.30.
(4) 75 sinks, $23.57.
(5) 80 laundry trays, $9.57.
(6) 65 hot water boilers (30-gallon capacity), $9.48.
(7) 12 showers, $12.91.
(8) 16 urinals, $16.02.

BIDS OPENED

CONCORD, Contra Costa Co., Cal. —Following bids received by Post Office Department, Washington, D. C., for one group of steel shelving for the Post Office at Concord. Proposal No. 1101:

Struck Equipment & Supply Co., Chicago, Ill., $38.99.
Fred Medart Mfg. Co., St. Louis, $65.56.
Interior Steel Equipment Co., Washington, D. Co., $65.62.
Morley & Co., Pico, Calif., $73.61.
DeLuxe Metal Furniture Co., Warren, Pa. $73.43.
Federal Equipment Co. Carlisle, Pa., $75.40.
Bids held under advisement.

BIDS OPENED

MENLO PARK, San Mateo Co., Cal. —Following bids received by Post Office Department, Washington, D. C., for one group of steel shelving for the Post Office at Menlo Park. Proposal No. 1104:

Struck Equipment & Supply Co., 160 LaSalle St., Chicago, $37.18.
Federal Equipment Co., Carlisle, Pa., $58.60.
Fred Medart Mfg. Co., St. Louis, Mo., $58.88.
Interior Steel Equipment Co., Washington, D. C., $59.20.
Morley & Co., Pico, Calif., $66.79.
DeLuxe Metal Furnishing Co., Warren, Pa., $66.88.
Bids held under advisement.

BIDS OPENED

VISALIA, Tulare Co., Cal.—Keyless Lock Co., at $900 submitted low bid to Purchasing Agent, Post Office Department, Washington, D. C., for steel furniture for the Visalia Post Office. Proposal No. 1121. Only other bid was submitted by Hubeny Bros. at $940.

BIDS OPENED

MARYSVILLE, Yuba Co., Cal. —Following bids received by Post Office Department, Washington, D. C., for furnishing 35 Venetian blinds for the Post Office at Marysville. Proposal No. 1119:

(1) Ordinary type.
(2) Glare Free type.

Sherwood Corton Co., New York City.....(1) $310.00
Aeroshade Co., Waukesha, Wisc. .....(1) 385.00
(2) 534.00
Hough Shade Corp., Janesville, Wisc. .....(1) 393.00
.....(2) 583.00
McRee Screen Mfg. Co., Corp., ...(1) 501.00
Bostwick Goodell Co., Norwalk, Ohio .....(1) 515.62
Warren Shade Co., Inc., Minn .....(2) 341.00
Western Venetian Blind Co., Los Angeles .....(2) 530.00
Solscreen Co., Pele, Iowa.....(2)$536.82
Walcott - Taylor Co., Inc., Washington, D. C.....(2)550.00
Sunn, Carle & Co., San Francisco .....(2) 575.00
Bids held under advisement.

BIDS OPENED

SAN FRANCISCO—Following bids received by Purchasing Department, Washington, D. C., for metal shelving for the San Francisco Post Office. Proposal No. 4575:

Berger Mfg. Co.....$2731.29
DeLuxe Metal Furniture Co..... 2921.34
Interior Steel Equip Co..... 2936.61
General Firproofing Co..... 2940.32
Worley & Co..... 2940.82
Fred Medart Mfg. Co..... 2940.82
Globe-Wernicke Co..... 2940.99
Electric Service Supplies Co... 2940.99
Lyon Metal Products Co..... 2941.01
Jamestown Metal Equip. Co. 2940.99
Penn Metal Co..... 2968.48

BIDS OPENED

MENLO PARK, San Mateo Co., Cal. —Following bids received by the Purchasing Agent, Post Office Department, Washington, D. C., March 7, for furniture and screen line equipment for the Post Office at Menlo Park. Proposal No. 1102:

Corbin Cabinet Lock Co., 2%..$1279.00
Keyless Lock Co., 5%..... 1353.63
Geo. Fensky Co., 5%.....* 1400.00
Alternate .....* 1440.00
McLane Mfg. Co., 5%..... 1503.10
Federal Equip. Co., 5%.....* 1619.00
Alternate .....* 2022.00
*Delivered; all other bids f.o.b. cars.

BIDS OPENED.

COCONINO COUNTY, Arizona—The following bids were received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., for furnishing: (1) 45,-500 gals. liquid asph. road material, Type SC-1A, and (2) 1,500 tons liquid asphalt road material, Type MC-4, and/or Type MC-5.

Arizona Asphalt & Emulsion Co., Phoenix, f.o.b. plant, Los Angeles (1) $0.015472 per bbl.; (2) $12.50 per ton; Richfield Oil Co., (1) $0.65 per bbl. f.o.b. Segura and $0.85 per bbl. Watson; (2) $12.50 per ton f.o.b. Segura or Watson; Shell Oil Co., San Francisco, (1) $0.65 per bbl. f.o.b. Bakersfield; (2) $12.50 per ton f.o.b. Bakersfield; Gilmore Oil Co., Los Angeles, (1) $0.65 per bbl. f.o.b. Segura; (2) $12.50 per ton f.o.b. Segura or Los Angeles, and Standard Oil Co. of California, f.o.b. Bakersfield (1) $0.65 per bbl. (2) $12.50 per ton, f.o.b. Bakersfield.

LOW BIDDER

SEATTLE, Wash., and Portland, Ore.—Receiver for Pacific Oil Co., Los Angeles, submitted the low bid to the Navy Department, Washington, D. C., March 12 at $1.575 bbl. for furnishing "B" grade bunker fuel oil, items 1 and 3, and at $1.775 bbl. for oil under item 2, under Schedule 1818 for fuel oil for Seattle and Portland, for a period of three months beginning April 1st.

BIDS OPENED

OREGON CITY, Oregon—Following bids received by the Purchasing Agent Post Office Dept., Washington, D. C., March 2, for one burglarproof chest for Oregon City; Proposal 1093:

Herring-Hall-Marvin Safe Co....$ 88.80
Remington & Sherman Co..... 122.75
Mosler Safe Co. 125.00
York Safe & Lock Co..... 132.00
W. D. Campbell Co..... 150.00

CONTRACT AWARDED.

NEVADA STATE—Commercial Iron Works, 171 Globe St., Providence, R. I., at $1,717 awarded contract by Bureau of Reclamation, Denver, for furnishing repair parts for valves for the Newlands Project, Nevada.

CONTRACT AWARDED

SAN FRANCRISCO—Robt. D. Pike, 4069 Hollis St., Emeryville, at $2.49 per cu. yd., total, by State Purchasing Agent J. F. Mispley, for furnishing 28,000 cu. yds. lightweight aggregate for paving the upper deck roadway of the San Francisco-Oakland Bay Bridge.

CONTRACT AWARDED.

OWYHEE PROJECT. — Ceco Steel Wire Products at $3,068.47 awarded the contract by the Bureau of Reclamation, Denver, for furnishing reinforcement fabric for the Owyhee Project; under Proposal 26007-A.

LOW BIDDERS

WESTERN STATES—The following submitted low bids to the Navy Department, Bureau of Supplies and Accounts, Washington, D. C., for furnishing oil at various Pacific Coast points, under Schedule 1712, Ord.:

Lot 1146Z, San Diego—51,000 gallons for six-months period, Associated Oil Co., Shell Oil Co. and Standard Oil Co. identical bids at $6730.

Lot 1146Y, San Diego—51,000 gallons for three-months period, Union Oil Co. at $4564, $3805 and $3665.

Lot 1147Z, San Pedro—4,000 gallons for six-months period, Associated Oil Co., Shell Oil Co. and Standard Oil Co. identical bids at $725.

Lot 1147Y, San Pedro—4,000 gallons for three-months period, Union Oil Co. at $494.50, $410.90 and $395.50.

Lot 1148Z, San Francisco, 10,000 gals. for six-months period, Associated Oil Co., Shell Oil Co. and Standard Oil Co. identical bids at $1450.

Lot 1148Y, San Francisco, 10,000 gals., for three-months period, Union Oil Co. at $1205, $1656 and $1600.

Lot 1149Z, Mare Island—18,000 gals. for six-months period, Associated Oil Co., Shell Oil Co. and Standard Oil Co. identical bids at $3230; Union Oil Co. bid $4025, $3265 and $3125.

Lot 1149Y, Mare Island—18,000 gals. for three-months period, Union Oil Co. at $2012.50, $1632.50 and $1562.50.

Lot 1150Z, Puget Sound, 28,000 gals. for six-months period, Associated Oil Co., Shell Oil Co. and Standard Oil Co. identical bids at $4360.

Lot 1150Y, Puget Sound, 28,000 gals. for three-months period, Union Oil Co. at $2180.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

CALIFORNIA STATE

FRESNO, Cal.—Until March 20, 3 P. M., bids will be received by F. F. Green, Supt. of Equipment, Shop 6, Division of Highways, 645 West Olive Avenue, Fresno, for the sale of the following equipment:

CHC 65 Mower, McCormick-Deering Big Six with R. T. and 5-ft. Sickle, Tractor Hitch.
CHC, 76 Mower, Case-Osborne, Model H. V. 35 R. T., 5-ft. Sickle Tractor Hitch.
CHC 4 Spraco Paint Spray Outfit.
1 Lot Atlas Diesel Engine Repair Parts.
1 Lot P & H Type 600 Shovel Repair Parts.
1 Set Caterpillar "60" 16-in. Track Plates.
1 Set Caterpillar "60" Snow Grousers.

All equipment may be inspected at the above address from 8:30 A. M. to 4:30 P. M. on any working day.

SACRAMENTO, Cal.—Until March 21, 10 A. M., bids will be received by State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation No. 33446, Req. No. 9257, delivery f.o.b. Fresno, Division of Highways, Shop 6. for furnishing:

(1)1 TOW GRADER, 7-ft. rubber tired leaning wheel (for Adams Road king 7-ft.)

Specifications obtainable from the above office.

SACRAMENTO, Cal.—Until March 26, bids will be received by the State Bureau of Purchases, 323 State Capitol, Sacramento, for furnishing fuel oils, road oils, cutback asphalt and E grade asphalt, to be delivered to various districts, for period from date of acceptance of bids to April 1, 1935, in accordance with specifications available from above office.

SACRAMENTO, Cal.—Until March 21, 10 A. M., bids will be received by State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation No. 33449, Req. No. 9224, for furnishing:

(1) 1 Heavy Duty Tow Grader hand operated controls, bank sloping, 10-ft. moldboard, scarifier attached #22 Adams or equal (to be used with Caterpillar 50).

Delivery f.o.b. Fresno, Division of Highway, Shop 6.

Specifications obtainable from above office.

STOCKTON, San Joaquin Co., Cal.—Until March 19, 10 A. M., bids will be received by the Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation No. 33683, Req. No. 7913, delivery f.o.b. Stockton, Division of Highways, Shop 10, for furnishing one 8-ft. solid-tired L. W. grader with front scarifier attachment.

Specifications obtainable from above office.

VET'S ADMINISTRATION

WASHINGTON, D. C.—Until March 20, bids will be received by the Procurement Division, Veterans Administration, Washington, D. C., under Pro. 510-M, for 1 gas range and 2 gas toasters for Dayton and San Francisco. Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until March 23, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, San Francisco, for furnishing pipe and fittings for a term of four months from April 15, 1934.

Specifications obtainable from above office. Invitation Bid No. 1158.

PETALUMA CITY

PETALUMA, Cal.—Until March 19, 7:30 P. M., bids will be received by the Petaluma City Council, City Hall, for furnishing materials for reconstructing a retaining wall. Bids are wanted f.o.b. job site as follows:

(1) 8064 lbs. reinf. steel;
(2) 534 sacks cement;
(3) 75 cu. yds. crushed rock;
(4) 50 cu. yds. sand.

Specifications available from City Engineer, S. Gonzalez.

FRESNO CITY

FRESNO, Cal.—Until March 22, 5 P. M., bids will be received by Board of Education, Fresno School District, for furnishing supplies and equipment for the school year 1934-1935.

Specifications on file with Secretary L. L. Smith, 2425 Fresno St., Fresno.

BERKELEY CITY

BERKELEY, Cal.—Until March 20, 10 A. M., bids will be received by Berkeley City Council for furnishing 160,000 gallons of gasoline for the City of Berkeley.

MET. WATER DISTRICT

LOS ANGELES, Calif.—Until March 19, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, Rm. 504, 306 West Third St., Los Angeles, for furnishing 22,000 ft. standard black pipe, T&C, 2-in., under Bid No. 21521.

LOS ANGELES, Calif.—Until March 22, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, Rm. 504, 306 West Third St., Los Angeles, for furnishing gate, check, globe and plug valves, under Bid No. 21526.

AGRICULTURAL DEPT.

SHELDON, Nevada—Until March 20, bids will be received by Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for doors, windows and sash for the Charles Sheldon Wild Life Refuge, Nevada. Proposal No. 6105.

SACRAMENTO COUNTY

SACRAMENTO COUNTY, Cal.—Until March 26, 7 P. M., bids will be received by the Board of Trustees of the Beaver Union School Dist., County of Sacramento, Beaver Union School Bldg., for furnishing school bus having a capacity of from 40 to 45 passengers. (No bid over the sum of $3,-500 will be considered).

Specifications obtainable from above office.

U. S. INDIAN SERVICE

PHOENIX, Ariz.—Until March 21, 2 P. M., bids will be received by the Indian Bureau of the Interior, 4100 Rhoads Circle, Phoenix, for furnishing the following: 2,400 sacks of Portland cement in paper bags, f.o.b. Phoenix, f.o.b. bidder's shipping point.

Specifications obtainable from above office. C. H. Skinner, Supt.

PHOENIX, Ariz.—Until March 26, 2 P. M., bids will be received by the Indian Bureau of the Interior, 4100 Rhoads Circle, Phoenix, for furnishing lumber, random lengths, f.o.b. Phoenix, and f.o.b. bidder's shipping point.

Specifications obtainable from above office. C. H. Skinner, Supt.

NAVY DEPARTMENT

BREMERTON, Wash.—Until March 19, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, for furnishing under Req. No. 64 NIRA, the following:

(1) 2 PUMPS, centrifugal, electric motor driven, circulating, hot water, for heating system.
(2) 1 PUMP, condensation, vertical shaft, centrifugal, electric motor driven, automatic, (complete except receiver).

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing the following supplies:

25,000 ft. brass pipe, Sch. 1928, Mare Island, March 23;
400,000 lbs. petroleum residum; Sch. 1937, Mare Island, March 30.

WAR DEPARTMENT

FORT MASON, San Francisco.—Until April 2, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 671-161-34, Memo 3575, for furnishing water closet bowls, safety link chain, ball cocks, enameled lavatories, kitchen sinks, water closet tanks and miscellaneous lots of fittings, elbows, nipples, etc.

Specifications obtainable from above office. Materials for shipment to Department Quartermaster, Philippine Dept., Manila, P. I.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until March 20, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows: Bid $62: Parts for Best "30" Tractor, Serial Number 2334, including outside channels, top channels, inside channels, bushings for valve stem, shafts, gaskets, rings, packing, etc. Delivery f.o.b. Government Island.

Bid $63: Aluminum Paint, 1,000 gals. Delivery f.o.b. bidder's shipping point.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
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28.—Fire Equipment
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

March 10, 1934

BIDS WANTED

OREGON STATE—Until March 22, 9 A. M., bids will be received by the Oregon State Highway Commission, in the Auditorium, Third Floor, Public Service Building, Portland, for constuction of bridges, undercrossing, etc., as follows:

COOS COUNTY:

Bridge over South Fork Coquille River on Powers Secondary Highway in Powers. National Recovery Project No. 206-B, involving:
(1) 205 cu. yds. Class D concrete;
(2) 38,000 lbs. met. reinf.;
(3) 16 M.F.B.M. Port Orford Cedar Lumber;
(4) 330,000 lbs. struc. steel;
(5) 284 lin. ft. Port Orford cedar trestle superstructure;
(6) 515 lin. ft. composite handrail;
(7) 1000 cu. yds. excav.;

MULTNOMAH COUNTY:

Bybee Boulevard Undercrossing over the East Portland-Oregon City Highway in the City of Portland, National Recovery Project No. 168-D, involving:
(1) 350 cu. yds. excavation;
(2) 2600 lin. ft. foundation piling;
(3) 450 cu. yds. concrete;
(4) 87,000 lbs. metal reinf.
(5) 270 lin. ft. concrete handrail;
(6) Lighting installation.

TILLAMOOK COUNTY:

Bridge over the Little Nestucca River on the Little Nestucca Secondary Highway near Dolph, National Recovery Project No. 214, involving:
(1) 65 cu. yds. excavation
(2) 125 cu. yds. concrete;
(3) 13,000 lbs. metal reinforcement;
(4) 6½ M.F.B.M. treated lumber;
(5) 94,000 lbs. structural steel;
(6) 75 lin. ft treated trestle superstructure.

Plans and specifications obtainable from office of the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5 for each set. R. H. Baldock, State Highway Engineer.

BIDS WANTED

WALDPORT, Ore.—Until April 5, 9 A. M., bids will be received by the Oregon State Highway Commission, 3rd floor, Auditorium, Public Service Bldg., Portland, for the construction of a reinforced concrete bridge 3,028 feet long with 24-ft. roadway and two 3 ft. 6 in. sidewalks, to carry the Oregon Coast Highway across Alsea Bay at Waldport, and consists of two 57-ft. concrete girder spans, three 150-ft. deck arch spans, one 154-ft. through tied arch span, one 210-ft. through tied arch span, one 154-ft. through tied arch span, three 150-ft. deck arch spans and 1,462 lin. ft. of viaduct. The principal items of work involve:
(1) 7,200 cu. yds. foundation excav.;
(2) 82,000 lin. ft. foundation piling;
(3) 18,900 cu. yds. concrete;
(4) 2,000,000 lbs. reinf. steel;
(5) 300,000 lbs. struc. steel;
(6) 6,200 lin. ft. concrete handrail.

The work is to be financed in part by the Public Works Administration. Every bidder must submit with his bid a signed statement of compliance on U. S. Govt. Form P.W.A. 61.

Plans and specifications obtainable at the office of the State Highway Commission, Room 322, State Office Bldg., Salem, upon a deposit of $5.00 for each set, and are also on file at the office of the Associated General Contractors, Balfour Bldg., San Francisco. R. H. Baldock, State Highway Engineer.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—V. R. Dennis Const. Co., 3911 5th Ave., San Diego, at $63,903 awarded contract by the State Highway Commission, Sacramento, for construction of three bridges between one and six miles south of National City (XI-S.D.-2-F), one across Otay river consisting of twenty-three 19-ft. timber stringer spans on timber pile bents; one across South Sweetwater Channel consisting of nineteen 19-ft. timber stringer spans on timber pile bents, and one across North Sweetwater Channel consisting of eight 19-ft. timber stringer spans on timber pile bents, in San Diego Co.

LOW BIDDER

SPOKANE, Wash.—Western Const. Co., Boise, Idaho, at $180,177.40 submitted low bid to the Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, for construction of two concrete piers for the Grand Coulee Bridge below the Grand Coulee damsite on the Columbia river, Columbia Basin Project. The work is located about 20 miles NW of Almira, Wash. Spec. No. 610-D. S. O. Harper, Acting Chief Engineer.

March 12, 1934

BIDS WANTED

LEWIS CO., Wash.—Until March 27, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for constructnig a 260-foot steel span with two 31-foot timber approach spans as an extension to the existing bridge over the Cowlitz river near Nesika on State Road No. 5, in Lewis County, involving:
(1) 117 cu. yds. concrete;
(2) 298,000 lbs. struc. steel;
(3) 70 MFBM timber and plank;
(4) 3,135 lin. ft. timber piling;
(5) 1,700 cu. yds. rock backfill;
(6) miscellaneous items of work.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Plans and specifications obtainable from above office upon deposit of $2.00 for each set.

BIDS WANTED

WASHINGTON STATE—Until Mar. 27, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for construction of bridges, undercrossing, etc., as follows:

Spokane County

Constructing an under-crossing of the tracks of the Northern Pacific Railway consisting of two 43 ft. 9 in. plate girder, double track railroad structure, and constructing special riprap on the south end of the new Latah Creek bridge on the route of State Road No. 3, Spokane south entrance in Spokane; Unit 2 of U. S. Public Works Project No. NRM 201-A in Spokane county, involving:
(1) 700 cu. yds. of concrete;
(2) 65,000 lbs. steel reinf. bars;
(3) 363,000 lbs. struc. steel;
(4) 23,000 lbs. cast steel;
(5) 1,280 lin. ft. concrete piling;
(6) 1,400 lin. ft. timber piling;
(7) 1,170 cu. yds. special riprap;
(8) miscellaneous items of mork.

King County

Constructing a 150-foot steel through truss with treated pile and timber approach spans over Green river near Kent and constructing a 51-foot treated pile and timber trestle over drainage ditch near Kent on the route of State Road No. 5, Unit 2 of U. S. Public Works Project No. NRH 49-B, in King County, involving:
(1) 534 cu. yds. concrete;
(2) 48,500 lbs. steel reinf. bars;
(3) 259,000 lbs. struc. steel;
(4) 2,330 lbs. cast steel;
(5) 16.4 HBM timber and plank (untreated);
(6) 84 MBM timber & plank (treat.);
(7) 1,440 lin. ft. piling (untreated);
(8) 4,200 lin. ft. piling (treated);
(9) 6,855 lin. ft. cable guard rail;
(10) miscellaneous items of work.

Plans and specifications obtainable from above office upon deposit of $2.00 for each set.

BIDS WANTED

MONTEREY COUNTY, Cal.—Until April 4, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for construction of timber bridge across Dolan Creek, 50 mi. south of Monterey, consisting of one 180-ft. arch span, nine 19-ft. stringer spans and four 38-ft. girder spans, in Monterey County, involving:
(1) 1,200 cu. yds. stripping;
(2) 870 cu. yds. struc. excav.;
(3) 125 cu. yds. Class A Port. cement concrete;
(4) 315 cu. yds. Class B do;
(5) 11,000 lbs. bar reinf. steel;
(6) 126,000 lbs. structural metal;
(7) 72 MFBM redwood timber dense select all - heart struc. grade arches;
(8) 272 MFBM redwood timber, dense select all-heart struc. grade;
(9) 11 MFBM do select all-heart struc. grade;
(10) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

SACRAMENTO, Calif.—Until March 28, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for widening a portion of the I Street Bridge across the Sacramen-

to river in Sacramento. The work involves:
(1) 100 cu. yds. existing concrete to be removed and disposed of;
(2) 50 cu. yds. structure excavation;
(3) 1 lot existing struc. steel remove, refabricate and re-erect;
(4) 30,500 lbs. new struc. steel;
(5) 9,000 lbs. bar reinf. steel;
(6) 135 cu. yds. Class F Port. cement concrete;
(7) 1 lot existing railing altered and relocated;
(8) 1 lot lighting equipment relocated;
(9) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers at San Francisco and Los Angeles.

CONTRACT AWARDED

MODOC COUNTY, Cal.—A. Frederick Anderson, 1518 38th St., Sacramento, at $10,898.70 awarded contract by the Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., Sanu Francisco, for constructing a roailroad overpass and approaches on Section B of Route 11, the Lava Beds National Forest Highway, Modoc National Forest, in Modoc County.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT APPROVED

ORANGE COUNTY, Cal.—Contract with the federal government for the purchase of bonds of Orange County to finance the countys share of $1,835,000 required for Newport Harbor construction, has been signed by the board of supervisors. The government has contributed $918,000. Plans are being prepared by the U. S. Engineer, Maj. H. H. Stickney, Los Angeles; R. L. Patterson, Newport Beach, prepared the original plans. Funds will probably be available within 30 days after the contract reaches Washington. The U. S. Engineer Office, Los Angeles, will advertise for bids and award the contract.

BIDS OPENED

OREGON - WASHINGTON. — General Const. Co., Seattle, at $87,875.00 ($0.925 per cubic yard) submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, for dredging in Baker Bay, a channel 200 feet wide on the bottom and 10 ft. deep at mean lower low water, extending from deep water near the east end of Sand Island, Columbia river, for a distance of about 3½ miles to the Port of Ilwaco, Wash., involving 950,000 cubic yards of material, under Spec. No. 34-414.

Complete bids follow:

General Const. Co., Seattle ($0.925 per cu. yd.) $87,875.00.

Puget Sound Bridge & Dredging Co., Seattle ($0.105 per cu. yd.) $99,750.

F. J. Kernan, Faloma, Ore., ($0.109 per cu. yd.) $103,550.00.

Engineer's estimate, ($0.07 per cu. yd.) $66,500.00.

CONTRACT AWARDED

OAHU, T. H. — Standard Dredging Co., New York, at $0.494 per cu. yd. awarded contract by the Navy Department, Bureau of Yards & Docks, Washington, D. C., for dredging and disposing of dredged material of West Loch Channel to Naval Ammunition Depot, Oahu, under Spec. No. 7342.

BIDS WANTED

SACRAMENTO, Calif.—Until March 23, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Building, Sacramento, for furnishing and operating clamshell dredging plant at hourly rates for use in Suisun Bay and the San Joaquin and Sacramento rivers and tributary channels. The bids will be taken as follows:
(1) 500 hour, Class A dredge;
(2) 350 hour, Class C dredge.

Specifications obtainable from above office; Circular Proposal No. 34-186; Spec. No. 6164. Capt. G. Drinkwater, district engineer.

CONTRACT AWARDED

SEATTLE, Wash.—Tacoma Dredging Co., 1113½ A Street, Tacoma, at $105,814 awarded contract by Ware Department (U. S. Engineer, Seattle), for dredging approximately 764,000 cu. yds. of material from the harbor at Olympia. The work will consist of dredging a channel 30 ft. deep and 300 ft. wide for a distance of 12,000 ft. with channel widened at the bend. The turning basin is to be enlarged to length of 2000 feet, a width of 800 feet and a depth of 30 feet.

PERMITS ISSUED

SACRAMENTO, Calif.—Permits to Appropriate Water Issued by The Department of Public Works, Division of Water Resources, during the month of February, 1934:

4278, Application 7700 (Eldorado County). Issued to Arthur Argiewicz Mill Valley, Calif., Feb 1, 1934, for 400 gallons per day from an unnamed spring for domestic purposes. Estimated cost $140.00.

4279, Application 7715 (Riverside County). Issued to W. H. Wall, San Jacinto, Calif., February 1, 1934, for 0.25 cubic foot per second from an unnamed spring for domestic purposes and the irrigation of 12 acres. Estimated cost $250.00.

4280, Application 7733 (Lake County). Issued to Jas. M. Hannah, S. E. Crutcher and Lucy E. Kaerth, Williams, Calif., February 1, 1934, for 1,000 gallons per day from an unnamed spring for domestic purposes. Estimated cost $100.00.

4281, Application 7774 (Los Angeles County. Issued to Kate Freels and Rosie Norish, Route 1, Saugus, Calif., February 6, 1934, for 0.001 cubic foot per second from Oak Spring for domestic purposes. Estimated cost $50.00.

4282, Application 7024 (Nevada County). Issued to Edward Bickel, Nevada City, Calif., February 9, 1934, for 38.0 cubic feet per second from Greenhorn Creek for mining and domestic purposes. Estimated cost $2,500.00.

4283, Application 7534 (Plumas County). Issued to Ready Bullion Mining Co., Sacramento, Calif., February 10, 1934, for 3.0 cubic feet per second from Round Lake for mining and domestic purposes. Estimated cost $1500.00.

4284, Application 7438 (Santa Clara County). Issued to J. D. Grant Co., San Jose, California, February 10, 1934, for 700 acre feet per annum from Arroyo Aguague Creek, for irrigation purposes on 200 acres. Estimated cost $2,500.00.

4285, Application 7617 (Sierra County). Issued to Lewis F. Johnson and A. J. Sells, 105 Montgomery St., San Francisco, Calif., February 13, 1934, for 18.0 cubic feet per second from Cedar Grove Ravine, for mining purposes. Estimated cost $12,000.00.

4286, Application 7646 (Placer County). Issued to Jesus Boisa, Rocklin, Calif., February 15, 1934, for 0.5 cubic foot per second from Secret Ravine for domestic purposes and irrigation of 40 acres.

4287, Application 7704 (Nevada Co.). Issued to Harmon M. Stark, Vallejo, Calif., February 19, 1934, for 3.0 cubic feet per second from an unnamed stream for mining purposes. Estimated cost $150.00.

4288, Application 7651 (Trinity Co.). Issued to A. L. Rix, Minorsville, Calif., February 26, 1934, for 1.0 cubic foot per second from Big Mule Creek, for power purposes. Estimated cost $150.

4289, Application 7796 (Los Angeles Co.). Issued to U. S. Angeles National Forest of Los Angeles, Calif., February 27, 1934, for 0.0015 cubic foot per second from Quail Spring for fire protection and recreational purposes. Estimated cost $250.00.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the Department of Public Works, Division of Water Resources, during the month of February, 1934:

7834 (Sonoma Co.) Frank Baliros, Sonoma, Calif., for 0.4 c.f.s. from Sonoma Creek, tributary to San Pablo Bay. To be diverted for irrigation purposes on 35 acres.

7835 (Amador Co.) Nathaniel B. Ellery, 2124 East 39th Street, Oakland, Calif., for 255,000 acre feet per annum from Cosumnes River, tributary to Mokelumne River. To be diverted for municipal purposes.

7836 (Amador Co.) Nathaniel B. Ellery, Oakland, Calif., for 255,000 acre feet per annum from Cosumnes River, tributary to Mokelumne River. To be diverted for power purposes. 11,930 T.H.P. to be developed.

7837 (Calaveras Co.) Minnie A. Dennis, Jenny Lind, Calif., for 38 c.f.s. from Calaveras River, tributary to San Joaquin River. To be diverted for mining and domestic purposes. Estimated cost $10,000.00.

7838 (San Bernardino County) Wallace Scott Harper, 4027 East Blvd., Culver City, Calif., for 1.5 c.f.s. from Grass Valley Creek, tributary to Mohave River. To be diverted for domestic purposes. Estimated cost $1,000.00.

7839 (Orange Co.) A. J. Stead, Laguna Beach, Calif., for 850 acre feet per annum from Aliso Creek, tributary to Pacific Ocean. To be diverted for municipal purposes in South Coast County Water District.

7840 (Trinity Co.) Basil Froloff, Lewiston, Calif., for 50 c.f.s. from Rush Creek, tributary to Trinity River. To be diverted for mining purposes. Estimated cost $2,500.00.

7841 (Santa Barbara Co.) U. S. Santa Barbara Nati. Forest, Santa Barbara, Calif., for 0.005 c.f.s. from an unnamed spring, tributary to Bates Canyon. To be diverted for domestic and fire protection purposes.

7842 (Trinity Co.) Louis A. Mairo, Burnt Ranch, Calif., for 10 c.f.s. from Staly Gulch, tributary to New River. To be diverted for mining purposes. Estimated cost $2,000.

7843 (Siskiyou Co.) F. A. Gowing, Sawyers Bar, Calif., for 1 c.f.s. from East Fork of Eddy's Gulch, tributary to North Fork Salmon River. To be diverted for mining and domestic purposes.

7844 (Shasta Co.) Frank B. Van Fossen, Dunsmuir, Calif., for 1 c.f.s. from Indian Creek, tributary to Sacramento River. To be diverted for irrigation and domestic purposes on 80 acres. Estimated cost $4,600.00.

7845 (Humboldt Co.) M. P. Roberts Jr. and C. A. Mellberg, Arcata, Calif., for 2 c.f.s. from Mad River, tributary to Pacific Ocean. To be diverted for irrigation purposes on 69.41 acres.

7846 (Butte Co.) John Dennis for Magalia Water Users Assn., Chico, Calif., for 1 c.f.s. from Empire Creek, tributary to West Branch of Feather River. To be diverted for domestic purposes. Estimated cost $10,000.00.

7847 (Stanislaus Co.) Emilio J. Basso, Modesto, Calif., for 4 c.f.s. from Dry Creek, tributary to Tuolumne River. To be diverted for irrigation and domestic purposes on 37 acres. Estimated cost $1,000.00.

7848 (Placer Co.) U. S. Tahoe National Forest, Nevada City, Calif., for 0.01 c.f.s from Greek Store Spring in Spruce Canyon, tributary to Duncan Creek, thence Middle Fork American

River. To be diverted for recreational and domestic purposes. Estimated cost $150.00.

7849 (San Diego County) Alexander F. Hansen, Rivera, Calif., for 400 acre feet per annum from Sandia Canyon Creek, tributary to Santa Margarita River. To be diverted for irrigation and domestic purposes on 260 acres. Estimated cost $10,500.00.

7850 (San Mateo Co.) G. Patroni, Halfmoon Bay, for 40 acre feet per annum from San Vicente Creek, tributary to Pacific Ocean. To be diverted for irrigation purposes on 40 acres. Estimated cost $750.00.

7851 (Butte Co.) Leon Brink, Biggs, Calif., for 8 c.f.s. from Lateral A, Reclamation District 833, tributary to Butte Creek. To be diverted for irrigation of 308 acres of rice. Estimated cost $500.00.

7852 (Placer Co.) J. H. Stephens, Sacramento, Calif., for 115 c.f.s. and 16,000 acre feet per annum from Monumental Creek and 9 other tributaries to North Fork of North Fork American River. To be diverted for mining purposes.

7853 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, Calif., for 0.01 c.f.s. from Stevens Creek, tributary to Arroyo Seco Canyon. To be diverted for domestic purposes. Estimated cost $500.00.

7854 (Eldorado County) G. W. Gasser, Roseville, Calif., for 2 c.f.s. from Otter Creek, tributary to Middle Fork American River. To be diverted for mining purposes. Estimated cost $700.

7855 (Shasta Co.) J. F. Young, Dunsmuir, Calif., for 0.5 c.f.s. from a spring tributary to Sacramento River. To be diverted for irrigation and domestic purposes on 20 acres. Estimated cost $450.00.

7856 (Sierra Co.) H. R. Plato, Grass Valley, Calif., for 5 c.f.s. from Big Springs tributary to North Fork of South Fork of North Fork of Yuba River. To be diverted for power purposes. 387 T.H.P. to be developed. Estimated cost $50.00.

7857 (Placer Co.) J. P. Donavan, 3176 21st Street, San Francisco, Calif., for 15 c.f.s. from Volcano Creek, tributary to Middle Fork of American River. To be diverted for power purposes.

BIDS WANTED

SAN DIEGO, Cal.—Until March 23, 11 A. M., bids will be received by the Public Works Officer, Capt. DeWitt C. Webb, 11th Naval., Dist foot of Broadway, San Diego, for dredging at Pier at the Naval Operating Base (Air Station) San Diego. The work consists of the dredging of an area in the vicinity of and parallel with the inboard face of the station pier. The amount to be dredged including the full one foot allowable over-depth is approximately 11,500 cubic yards.

Specifications obtainable from above office upon deposit of $10.00.

23— IRRIGATION PROJ.

BIDS WANTED

STANFIELD, Ore.—Until April 3, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, % Stanfield Irrigation District, Stanfield, for the construction of siphons and tunnel, furnish canal and earthwork and structures for Drain No. 1, Stanfield Project, Oregon; Spec. No. 568. The principal items of work are as follows:

(1) 55,650 cu. yds. all classes of open cut excavation;
(2) 1,200 cu. yds. tunnel excavation;
(3) 6,000 cu. yds. backfill;
(4) 250 sq. yds. dry rock paving;
(5) 930 cu. yds. concrete in struc.;
(6) 300 cu. yds. concrete in tunnel;
(7) placing 125,500 lbs. of reinf. bars;
(8) installing 2,500 lbs. of metal work;
(9) laying 530 lin. ft. of 15- and 36-in. corrugated metal pipe.

Plans and specifications obtainable from above office. No charge to prospective bidders for copies of plans and specifications; to others, $0.75, not returnable.

BIDS WANTED

ONTARIO, Ore.—Until April 5, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Ontario, for construction of structures, North Canal, Station 513 to Station 2051, and Mitchell Butte Lateral, Mitchell Butte Division, Owyhee Proj., Oregon-Idaho; Spec. No. 563. The principal items of work are as follows:

(1) 53,700 cu. yds. all classes of excav. for structures;
(2) 36,500 cu. yds. of backfill;
(3) 6,870 cu. yds. of concrete;
(4) 1,250 sq. yds. of dry rock paving;
(5) placing 1,193,000 lbs. reinf. bars;
(6) installing 23,500 lbs. of gates and misc. metal work;
(7) laying 960 lin. ft. 54- and 60-in. diameter concrete pipe.

Plans and specifications obtainable from above office. No charge to prospective bidders for copies of plans and specifications; to others, $0.75, not returnable.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

LOS ANGELES, Cal.—General Elec. Co., $6290 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, March 7, for furnishing a dynamometer under Bid No. 20894.

CONTRACT AWARDED

LOS ANGELES, Cal.—Atlas Car & Mfg. Co., Cleveland, Ohio, represented by Coast Engineering and Equipment Co., 420 E 8th St., Los Angeles, at $7530 each, f.o.b. Cleveland, awarded contract by the board of directors of the Metropolitan Water District, March 9, for furnishing six storage battery locomotives under Spec. No. 65. The bids were opened Feb. 2.

(It was previously reported incorrectly March 4, that these bids had been rejected).

CONTRACT AWARDED

LOS ANGELES, Cal.—Koppel Industrial Car & Equipment Co., Koppel, Pa., represented by Garlinghouse Bros. 2416 E 16th St., Los Angeles, awarded contracts by the Board of Directors of the Metropolitan Water District Mar. 9 for furnishing dump cars and flat cars trucks under Spec. No. 65. The awards were:

50 dump cars at $450 each f.o.b. Koppel, Pa.
16 flat car trucks at $175 each f.o.b. Koppel, Pa.

It was previously reported, incorrectly, that these bids had been rejected.

BIDS OPENED

MARE ISLAND, Cal.—The following bids received by Bureau of Supplies and Accounts, Washington, D C., for electric furnace, Mare Island: (1) lot No. 1277; (2) lot No. 1278.

Hevi Duty Elec. Co., Philadelphia	(1)	$1,138
	(2)	780
Ajax Elec. Co., Philadelphia	(1)	1,423
	(2)	1,016
Harold E. Trent Co., Phila.	(1)	1,654
	(2)	861
Philadelphia Drying Machine Co. Philadelphia	(1)	1,821
	(2)	1,058

BIDS OPENED

SALINAS, Monterey Co., Cal.—Following bids received by State Purchasing Agent, Sacramento, for furnishing three motor graders, dual drive with scarifier attachments and 10-ft. moldboard to be delivered f.o.b. Salinas for State Highway Commission; Quotation No. 32222; Req. 8443:

Wehr Co. (Edward R. Bacon, San Francisco) $3916.25 each.

Identical bids at $3731.75 submitted by Jennison Machinery Co., San Francisco; J. D. Adams Co., San Francisco and Austin-Western Road Machinery Co., San Francisco.

Bids on alternate proposal for furnishing three graders same as above except with 12-foot moldboard:

Wehr Co. (Edward R. Bacon, San Francisco) $3926.75.

Identical bids at $3742.25 submitted by Jennison Machinery Co., San Francisco; J. D. Adams Co., San Francisco and Austin-Western Road Machinery Co., San Francisco.

Following bids received on equipment that does not comply with specifications: Carl F. Menke, Salinas, $3185 and $3275.75; Cornell Tractor Co. Salinas, $3895.25 and $3929.75.

BIDS OPENED

SAN LUIS OBISPO, Cal.—Following bids received by the State Purchasing Agent, Sacramento, for furnishing 3 motor graders, dual drive with scarifier attachments and 8-ft. moldboard to be delivered f.o.b. San Luis Obispo for State Highway Commission; Quotation No. 32221; Req. 8442:

Wehr Co. (Edward R. Bacon, San Francisco) $3663.75 each.

Identical bids at $3604.25 submitted by J. D. Adams Co., San Francisco; Smith, Booth, Usher Co., Los Angeles, and Austin-Western Road Machinery Co., San Francisco.

Bids on alternate proposal for furnishing three graders same as above except with 10-ft. moldboard:

Wehr Co. (Edward R. Bacon, San Francisco) $3676.25.

Identical bids at $3616.75 submitted by J. D. Adams Co., San Francisco; Smith, Booth, Usher Co., Los Angeles, and Austin-Western Road Machinery Co., San Francisco.

28—FIRE EQUIPMENT

March 10, 1934

PURCHASE PLANNED

HAYWARD, Cal. — Hayward City Council has asked a report from City Attorney, C. W. White, on possible means of financing purcahse of a new fire engine. Fire Chief, Manuel Riggs, has recommended purchase of additional equipment.

POSTPONEMENT

CONTRA COSTA COUNTY, Cal.—Until March 20, 8 P. M., (postponed from March 13, as previously reported), bids will be received by Johnson Thomas, Clerk, Board of Commissioners of Central Fire District, Contra Costa County, Central Fire District House, Walnut Creek, for furnishing a fire engine, in accordance with the specifications now on file at the above office.

30—RESERVOIRS & DAMS

PREPARING PLANS

DENVER, Col.—The Bureau of Reclamation has announced that plans for eight reclamation projects, including seven dams, are being prepared in the Denver office of the bureau and that specifications will be ready for distribution approximately on dates indicated:

Casper-Alcova Project, Wyo.: April 1, Alcova Dam; May 15, Seminoe Dam.

Grand Coulee Project, Wash., March 15, steel suspension bridge; April 1, Grand Coulee Dam.

Metropolitan Water Dist., April 25, Parker Dam, near Parker, Arizona.

Humboldt Project, Nevada: April 15, Rye Patch Dam.

Ogden River Project, Utah: March 15, Pine View Dam.

Moon Lake Project, Utah: June 15. Moon Lake Dam.

31—PIPE LINES & WELLS

BIDS OPENED

SAN DIEGO, Cal.—Arthur S. Johnson, 2765 Brant St., San Diego, at $565 submitted low bid to the San Diego Purchasing Department March 9 for lowering a secton of the Otay Reservoir-San Diego first main pipe line near Sweetwater river crossing. The work consists of excavating, backfilling, welding and laying a 32-in. electrically welded steel pipe line. All new pipe required is to be ⅜-in. thick with Bituriné protective coating. H. J. Schafer, Assistant Purchasing Agt.

The other bids were: G. R. Abbott, Sr., Box 271, La Jolla, $750; J. Hansen, 4049 Newton St., San Diego, $960.

BIDS OPENED

COLTON, San Bernardino Co., Cal.—The following bids were received by the Colton city council March 7 for drilling two wells in connection with the new water system: (1) Well No. 8, a 700-ft. well, and (2) Well No. 7, a 500-ft. well:

J. M. Rogers, Bishop, (1) $5460; (2) $4010.00.

Roscoe Moss Co., Los Angeles, (1) $5936; (2) $4254. Roscoe Moss Co. submitted a qualification to his bid which stated that if a firm not a member of the association submtted a lower bid, he would deduct $1 per ft.

D. A. Beck, Alta Loma, and J. A. Magill, Colton, (1) $5936; (2) $4254.

J. W. Smith, Riverside, (1) $5936; (2) $4252.00.

Lyon Bros., Los Angeles, (1) $5750; (2) $4200.00.

Geo. Paonessa, Los Angeles, (1) $6,200; (2) $4600.

The bids were referred to F. E. Trask, State Engineer, PWA, at Los Angeles. Currie Engr. Co., San Bernardino, consulting engineer.

CONTRACTS AWARDED

REDLANDS, San Bernardino Co., Cal.—The Redlands City Water Department awarded contracts for furnishing welded steel pipe for the proposed highline water supply pipeline to be constructed from the Country Club reservoir to the filter plant in Mill Creek Canyon, about 7 miles, as follows:

Consolidated Steel Corp., Los Angeles, at 88c ft. for 14,280 ft. 20-in., 12-gauge welded steel, and 99c ft. for 5580 ft. 22-in. 12-gauge welded steel pipe.

Southern Pipe & Casing Co., Azusa, at $1.125 ft. for 8820 ft. 20-in., 10-gauge pipe. The latter firm also awarded an order of 10-gauge pipe by the CWA making the Southern Pipe & Casing Company's order approximately 13,000 feet.

The awards were contingent upon PWA approval.

Geo. H. Hinckley, Chief Engineer.

BIDS OPENED

ONTARIO, Cal.—Peerless Pump Co., 1902 E 67th St., Los Angeles, at $3,100.52 submitted low bid March 5 for repairing and replacement of deep well pumping equipment at No. 3 well. Other bids were: Layne and Bowler, $3156.93; Wintroath Pumps, Ltd., $3,532.68; Bryon-Jackson Pump Co., $4,316.99. The bids were taken under advisement by Austin Burt, city engineer, until March 12.

BIDS OPENED

COLTON, San Bernardino Co., Cal.—Identical bids were received by the Colton city council March 7 for furnishing pumping equipment and electric wiring for pumping plants for the two new wells to be drilled in connection with the new water system, as follows:

(1) pumping equipment for Well No. 8, $6275.
(2) pumping equipment for Well No. 7, $4542.
(3) wiring and valves at booster pump station, $2359.75.

Byron-Jackson Co., Peerless Pump Co., Layne & Bowler Corp., and Victor Equip. Co. of Los Angeles.

Albert Wilkins, Colton, submitted the only bid for constructing three pump houses at the following figures: Well houses, 530, and $240, ad booster pump house, $320.00.

The bids were referred to F. E. Trask, State Engineer, PWA, at Los Angeles. Currie Engr. Co., San Bernardino, consulting engineer.

32—SEWERS & SEWAGE DISPOSAL PLANTS

TO AWARD CONTRACT

SAN FRANCISCO. — Department of Public Works will award a contract to Eaton & Smith, 715 Ocean Ave., at $7,562.80 for repairs to the Islais Creek wood box sewer. Bids were received March 9, under an emergency order, as follows:

Eaton & Smith	$7,562.80
MacDonald & Kahn	8,592.20
Healy - Tibbitts Const. Co.	9,944.50

Work to be completed in 30 days.

AWARD RECOMMENDED

MORGAN HILL, Santa Clara Co., Cal.—Morgan Hill city council has recommended to the Public Works Administration that a contract be awarded W. J. Tobin, 3701 Balfour Avenue, Oakland, at $39,437 for rebuilding the municipal water system. The award is advised on alternates providing for use of unlined pipe and for a poured concrete reservoir with gunite covering, and omitting pump and electrical installation. New bids on these items probably will be asked at a later date.

C. C. Kennedy, consulting engineer.

33— WATERWORKS

BIDS WANTED.

WHITTIER, Los Angeles Co., Cal.—Until March 19, 7:30 P. M., bids will be received by the Whittier city council for furnishing and installing two 350-g.p.m. centrifgual booster pumps and one 30-hp. motor in accordance with specifications, which may be obtained from M. R. Bowen, city engineer.

Debbie E. Allen, city clerk.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received March 9 by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau for furnishing wedge type gate valves, Spec. No. 1396:

Warren & Bailey Co., (1) f.o.b. Ducommun St., $12 each; (2) f.o.b. cars bidder's shipping point, no bid; (3) f. o. b. cars bidder's shipping point full freight to 410 Ducommun St., no bid; 2%, 20 days shipping point Bridgeport, Conn.

Rich Mfg. Co., (1) $16.21 (2) $16.21; (3) $16.81; 2%, 20 days shipping point, Los Angeles.

Grinnell Co. of the Pacific, (1) $14.89 (2) $13.84 (3) no bid; 2%, 30 days, shipping point Hartford, Conn.

Hacker Pipe & Supply Co., (1) $18.60 (2) $17.20 (3) no bid; 2%, 10 days, shipping point, Indian Orchard, Mass.

Ohio Injector Co., (1) $14.60 (2) $13.25 (3) no bid; 2%, 30 days, shipping point, Wadsworth, Ohio.

Crane Co., (1) $15.50; 2%, 30 days, shipping point, Chicago.

TO ASK BIDS

ROSEVILLE, Placer Co., Cal.—Roseville City Council will receive final plans and specifications for the first unit of the Roseville Municipal Water System, at a meeting March 20. The Council is expected to call for bids on the initial contract to be opened early in April. Bear & Cunningham, Spaulding Bldg., Portland, Oregon, Engineers.

CONTRACT AWARDED.

SAN FRANCISCO. — The Chapman Valve Mfg. Co., 508 4th St., awarded contract by the Public Utilities Commission, City Hall, for furnishing and delivering f.o.b., cars at Sunol, gate valves for the Calaveras pipe line, under Invitation Bid No. 1148.

CONTRACT AWARDED

BOULDER CANYON, Nevada — Hardie-Tynes Mfg. Co., 800 N 28th St., Birmingham, Alabama, at $500,000 (Items 1 and 2) awarded contract by the Bureau of Reclamation, Denver, Colo., for furnishing:

(1) 12 96-in. diameter paradox emergency gates, with hoists, motors, limit switches, etc.
(2) 12 84-in. diameter internal differential needle valves with paradox controls air breather manifolds, extended control stands, 2 sets of wrenches, and other appurtenances, and with bodies and nozzles of cast steel, under Specification No. 562.

LOAN AND GRANT

SALEM, Oregon—The Public Works Administration has allotted $2,500,000 (loan and grant) for a municipal water system. A complete new water plant will be constructed, intsead of purchasing the existing plant of the Oregon-Washington Water Service Co. Barr & Cunningham, engineers, Portland, are preparing plans for the water plant. Work will start within 30 days after signing of contracts between the PWA and the City of Salem. Plans call for bringing water from the Little North Fork at the Santiam River. A 20,000,000-gal. reservoir will be constructed in the Waldo hills with a 5,000,000-gal. reservoir at Salem.

CONTRACT AWARDED

BOULDER CANYON, Nev.—American Locomotive Co., Dunkirk, New York, at $14,879 awarded contract by the Bureau of Reclamation, Denver, for furnishing under Spec. No. 608-D, 84-in. needle valve discharge guides.

34—PARKS AND PLAYGROUNDS

BIDS WANTED.

MONTE VISTA, Colo.—Bids are being received by the Custodian, Monte Vista Post Office for planting the seeding grounds of the post office at Monte Vista. Date of opening bids not yet set.

BIDS WANTED

ASTORIA, Oregon—Bids are being received by the Custodian, Astoria Post Office, for seeding and planting the grounds at the Astoria Post Office. Date of opening bids not yet set. 34

BIDS WANTED.

DOUGLAS, Ariz.—Bids are being received by the custodian, Douglas post office for seeding and planting the grounds of the post office at Douglas, Arizona. Date of opening bids not yet set.

BIDS WANTED

NAPA, Calif.—Bids are being received by the custodian, Napa post office for seeding and planting grounds at the Napa Post Office. Date of opening bids not yet set.

LOW BIDDER

ALTURAS, Modoc Co., Cal.—Bethlehem Steel Co., Bethlehem, Pa., at

$1,387 submitted low bid to the Department of Agriculture, Division of Purchases, Sales & Traffic, March 2, for fencing materials for Alturas; Proposal No. 6009.

BIDS OPENED

SAN FRANCISCO—Following bids received by Post Quartermaster, Fort Mason, for erecting wire fence at Fort Mason:

Michel & Pfeffer Iron Wks.	$1304
Steuart Iron Works	1304
Western Steel & Wire Co.	1304
Standard Fence Co.	1304
Trask & Squires	1304
Wickwire Spencer	1304
Wayne Iron Works	1304
Anchor Post Fence Co.	1304
Pacific Coast Fence Co.	1304
Kamlan Fence Co.	1304
Rolph Mills Co.	1307
Theo. Cohn	1500

Ten low figures were placed on slips of paper and drawn. The Pacific Coast Fence Company's name was selected and recommendation that contract be awarded to them was made to Washington.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

EL DORADO COUNTY, Cal.—S. H. Palmer, 444 Market St., San Francisco, at $130,933 awarded contract by the U. S. Bureau of Public Roads, 807 Sheldon Building, San Francisco, for grading Section G of Route 32, the Placerville-Lake Tahoe National Forest Highway, El Dorado National Forest, El Dorado County.

LOW BIDDERS

MESA, Maricopa Co., Ariz.—Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $24,636 submitted low bid to the Arizona State Highway Commission, Phoenix, March 13, for improving the Tempe - Mesa Highway, FRM Project 8-B (AFE No. 515). The work is located on Main St., Mesa, and consists of placing asphaltic retread surface and widening existing pavement with asphaltic concrete and is to be completed before May 31.

Phoenix-Tempe Stone Co., Phoenix, at $25,491 submitted second low bid.

T. S. O'Connell, State Highway Engineer.

CONTRACT AWARDED

SUNNYVALE, Cal.—A. J. Raisch, Burrell Bldg., San Jose, at $5415 (Item 2-Job complete) awarded contract by the Navy Department, for improvements to roads at the Naval Air Station, Sunnyvale, Specifications No. 586.

NOTICE TO BIDDERS

RIVERSIDE COUNTY, Cal.—Representative of the district office of the State Highway Commission will accompany prospective bidders over the proposed state highway project in Riverside County bet. Indio and Shavers Summit, road XI-Riv-64-H, 1, for which bids are to be received March 8.

Said representative will meet prospective bidders in Indio on Friday, March 16 and 23, at the Hotel Indio at 8 A. M.

Prospective bidders are urged to cooperate with the district office and arrange to make their field inspection on the above dates.

AWARD RECOMMENDED

CLARK COUNTY, Nevada—E. L. Yeager, P. O. Box 470, San Bernardino, at $50,671.24 recommended for award by the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, for grading Section A of Route 11, the Mt. Charleston National Forest Highway, Dixie National Forest, in Clark County.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until March 26, 11 A. M., bids will be received by the Board of Supervisors, Henry A. Pfister, clerk, Santa Clara county, court house, San Jose, for grading and surfacing about two miles of McKean Roads in Supervisor Dist. No. 1, involving 95,100 cubic yards of excavation, unclassified, surfacing with crushed rock or gravel and oil treating.

A charge of $5 will be made for plans and specifications obtainable from above office. *

BIDS WANTED

LOS ANGELES, Cal.—Until April 2, 2 P. M., bids will be received by the Los Angeles County Supervisors for improvement of Long Beach Blvd. from the north boundary of City of Southgate south of Cudahy St. north to the south boundary of City of Huntington Park, at Florence Ave., 3203 lineal feet or 0.61 mile, under Cash Contract No. 464. The work involves:

(1) 9,346 cu. yds. excav. (inc. shaping and removal of existing improvements);
(2) 75,538 sq. ft. 10-7-7-10-in. cement concrete pavement;
(3) 62,944 sq. ft. 3-in. asph. concrete pavement;
(4) 4,681 lin. ft. monolithic curb and gutter (cement concrete);
(5) 5,357 sq. ft. 8-in. cem. concrete cross-gutter;
(6) 277 sq. ft. 6-in. cem. concrete gutter;
(7) 1,348 lin. ft. 6-9-15-in. cem. conc. curb;
(8) 12,195 sq. ft. 8-in. cem. concrete pavement;
(9) 69,549 sq. ft. 1½-in. pre-mixed pavement;
(10) 81,827 sq. ft. D.R. base, variable thickness;
(11) 144,687 sq. ft. 4-in. D.R. base;
(12) 54 sq. ft. cement concrete walk;
(13) 1 drainage structure as per Plan No. 3;
(14) construct lighting stand. foundation and install new conduit (complete as per Plan No. 4).

Mame B. Beatty, 501 Hall of Records, Clerk of the Board.

AWARD

MINERAL COUNTY, Nevada—Isbell Const. Co., Carson City, at $116,510.37 awarded contract by the Department of Highways, Carson City, for grading and surfacing 12.29 miles of Section A, Route 10, between the California State Line and Basalt in Mineral County.

George Pollock Co., P. O. Box 903, Sacramento, at $125,153.52 submitted second low bid.

S. C. Durkee, State Highway Engineer.

CONTRACT AWARDED

NYE COUNTY, Nevada—U. B. Lee, 1059 Carpentier St., San Leandro, Cal. at $54,354.60 awarded contract by the Department of Highways, Carson City for constructing a roadmix asphaltic surface on a portion of State Highway System in Nye County, between 33 miles and 2 miles south of Beatty, Route 5, Sections D2, E, F and G1. The length of the project is 31.13 mi.

J. C. Compton, McMinnville, Ore., submitted second low bid at $55,239.54.

AWARD RECOMMENDED

CLARK COUNTY, Nevada—The U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, has recommended award to Morrison-Knudsen Co., P. O. Box 1518, 318 Broadway, Los Angeles, at $177,522.80 for grading and surfacing Section A of Federal Lands Highway Project No. 7, N.R.P.L. 7-A, Charleston Park Road, in Clark County.

BIDS WANTED

BUTTE COUNTY, Cal. — As previously reported, until March 21, 10 A. M., bids will be received by the Department of Public Works, Division of Highway, C. H. Whitmore, District Engineer, District III, Marysville Hotel, Marysville, for grading and surfacing about 13 miles north of Chico (III-But-3-D) approaches to Pine Creek Bridge, with bituminous treated crushed gravel or stone, in Butte County, involving:

(1) 12,000 cu. yds. import. borrow;
(2) 75 cu. yds. struc. excav.;
(3) 1.5 cu. yds. Class A Portland cement conc. strucs.;
(4) 50 lbs. bar reinf. steel strucs.;
(5) 950 tons crushed run base;
(6) 550 tons crushed gravel or stone bit. treated surfacing;
(7) 30 tons cut back asphalt bit. trtated surfacing;
(8) 2 tons cut back asphalt seal coat;
(9) 21 bbls. light fuel oil prime coat;
(10) 300,000 gals. water;
(11) 24 lin. ft. 12-in. CMP;
(12) 68 lin. ft. 18-in. CMP;
(13) 2 each conc. headwalls to be removed and reset;
(14) 35 cu. yds. conc. in exist. pavement and headwalls to be removed and disposed of;
(15) 0.1 miles exist. property fence to be removed and disposed of;
(16) 16.1 miles new property fence;
(17) 15 sta. finishing roadway;
(18) 1 only old bridge to be removed and disposed of;
(19) 4 each mounments;
(20) 24 lin. ft. CMP to be removed and salvaged.

Plans and specifications obtainable from above office. *

BID CALL CANCELLED

WHITMAN COUNTY, Wash.—Director of Highways, L. V. Murrow, Olympia, Wash., cancelled bid call which was to have been opened March 6, for stockpiling about 25,420 cu. yds. of crushed stone surfacing and oil rock for abount 17.9 miles of the Inland Empire Highway, Eastern Route, Section 1, Junction State Road No. 3 to Aksdale; and Section 2, Idaho State Line to Colton, Federal Public Works Project in Whitman County.

AWARD

GRAYS HARBOR COUNTY, Wash.—Allen & Goven, Inc., Olympia, Wash. at $11,708 awarded contract by the Washington State Highway Commission, Olympia, Wash., for constructing a channel for the Satsop River and a drift barrier in the vicinity or State Road No. 9, F.P.W. Project No. 4173. L. V. Murrow, Director of Highways.

AWARD

KITTITAS AND YAKIMA COUNTIES, Wash.—Fred G. Redmon, Yakima, Wash., at $30,601 awarded contract by the Washington State Highway Commission, Olympia, for stockpiling about 15,770 cu. yds. crushed stone oil rock for about 19.8 mi. of State Road No. 7, Ellensburg to Alkali lkes, in Kittitas County, and stockpiling 6420 cu. yds. of crushed stone oil rock for about 18.6 miles of State Road No. 8, Toppenish Ridge to Klickitat County Line, in Yakima County, Sec. 1 and 2 of Federal Public Works Project.

Mathieson Constr. Co., Sunnyside, Wash., submitted only other bid at $31,066. L. V. Murrow, Director of Highways.

BIDS WANTED

OREGON STATE.—Until March 22, 9 A. M., bids will be received by the Oregon State Highway Commission, 3rd floor, Auditorium, Public Service Bldg., Portland, for highway construction as follows:

Clackamas County

South Unit, Portland-Milwaukie Section of East Portland - Oregon City Highway, National Recovery Projects Nos. NRH 168-F and NRM 168-G, 1.65 miles grading and paving, involving:

(1) 56,000 cu. yds. excavation;
(2) 89,000 cu. yds. gravel embankment
(3) 3,650 lin. ft. concrete curb;
(4) 1,800 sq. yds. concrete sidewalks;
(5) 28,000 sq. yds. Portland cem. conc. pavement;
(6) 19,000 sq. yds. asph. conc. pave.;
(7) 12,300 sq. yds. rock shoulders.

Jackson County

Agate-Little Butte Creek Section of Crater Lake Highway National Recovery Projects Nos. NRS 47-A and NRS 47-B, 3.54 miles roadbed widening, 3.54 miles penetration type bituminous macadam, & furnish crushed rock in stockpiles, involving;

(1) 10,600 cu. yds. excavation;
(2) 2,500 cu. yds. gravel shoulders;
(3) 37,400 sq. yds. bit. macadam;
(4) 6,000 cu. yds. crush. rock in stockpiles.

Lincoln County

Newport Section of Oregon Coast Highway, National Recovery Projects Nos. NRM 133-B and NRH 133-C, 1.03 miles grading and penetration type bituminous macadam, involving:

(1) 46,000 cu. yds. excavation;
(2) 1,100 sq. yds. concrete sidewalks;
(3) 2,600 lin. ft. concrete curb;
(4) 24,000 sq. yds. rock surfacing;
(5) 18,000 sq. yds. bit. macadam;
(6) 8,300 sq. yds. rock shoulders;
(7) 2,600 cu. yds. crush. rock in stockpiles.

Malheur County

Blue Mountain Pass-Jackson Creek Section of I. O. N. Highway, Federal Lands Highway Project No. 3-B, 5.2 miles grading, requiring approximately

(1) 67,000 cu. yds. excavation;
(2) 6,700 cu. yds. roadbed topping.

Umatilla County

Meiner's Ranch-Pendleton Section of Pendleton-Cold Springs Highway, National Recovery Project No. 233-A, 12.2 miles crushed rock surfacing and oil mat surface treatment, and furnish crushed rock in stockpiles, involving:

(1) 11,200 cu. yds. crusher rock surf.;
(2) 128,800 sq. yds. oil mat surf. treat.
(3) 3,000 cu. yds. crush. rock in stockpiles.

Plans and specifications obtainable at the office of the State Highway Commission, Room 322, State Office Bldg., Salem, upon a deposit of $5.00 for each set. R. H. Baldock, State Highway Engineer.

BIDS WANTED.

LOS ANGELES COUNTY, Cal.—Until March 28, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for paving about one mile with asphalt concrete and portland cement concrete in Los Angeles County, between West Channel Road and California Ave., involving:

(1) 51 sta. clear and grub right of way;
(2) 62,000 cu. yds. rdwy. excav., unclassified;
(3) 530 cu. yds. struc. excavation;
(4) 30,000 sq. yds. subgrade preparation;
(5) 7,300 sq. yds. asph. paint binder;
(6) 5,200 tons asph. conc. base leveling and Type A surf. courses exclusive of central 40-ft. width from Sta. 0 plus 01 to Sta. 38 plus 00;
(7) 100 tons Type B asph. concrete surface;
(8) 830 cu. yds. Class A Portland cement conc. curbs, gutters and sidewalks;
(9) 92 cu. yds. Class A Port. cement conc. struc.;
(10) 4 cu. yds. Class A Port. cement concrete ralling;
(11) 3,000 lbs. bar reinf. steel struc.;
(12) 11,200 lbs. misc. iron and steel structures;
(13) 450 lin. ft. 24-inch centrifugally cast concrete pipe;
(14) 85 cu. yds. concrete remove from existing pavement, curbs, gutters and sidewalks and dispose of;
(15) 51 sta. finishing roadway;

Alternate A—(Asphalt Concrete)

Central 40-ft. strip, Sta. 0 plus 01 to Sta. 38 plus 00;

(16) 7,000 tons asph. conc. base leveling and Type A surf. courses;

Alternate B—(Portland Cement)

(17) 3,150 cu. yds. Class A Portland cement concrete pavement;
(18) 79,000 lbs. bar reinf. steel pave.;
(19) 105 cu. yds. conc. removed from existing pave. and disposed of, strip 1-ft. wide;
(20) 120 bbls. light fuel oil subgrade treatment;
(21) 30 tons asphaltic road oil subgrade treatment.

(NOTE): Alternate A sets forth the necessary item for the construction of the central 40-ft. width of pavement from Station 0 plus 01 to Station 38 plus 00 with asphalt concrete. Alternate B sets forth the necessary items for the construction of the same area with portland cement concrete. The contract may be awarded on the basis of constructing the said portion of either type at the option of the Department of Public Works.

Plans and specifications obtainable at the above office, and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

NOTICE TO BIDDERS

CALIFORNIA STATE.—C. H. Purcell, State Highway Engineer, has issued the followng table showing the cost of blue line prints for highway projects on which bids will be opened March 28. (A blue line print of the title sheet of the plans, showing the general location of work will be furnished free):

VI-Kin-10-A bet. Hanford and easterly boundary: Plans, (No. of sheets) 20; (cost) $2.00; Cross-Sectons (No. of sheets) 113; (cost) $11.30; (total) $13.-30.

VII - L.A. - 60 - B, S. Mca. bet. West Channel road and California Avenue, Plans, (No. of sheets) 14; (cost) $1.40; Cross - sections, (No. of plans) 25; (cost) $2.50; (total) $3.90.

IX-Riv-64-H, I bet. Indio and Shavers Summit, Plans, (No. of sheets) 66; (cost) $6.60; Cross-sections, none; (total) $6.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways and should accompany the order to the office at Sacramento.

CONTRACT AWARDED

LINCOLN COUNTY, Wash.—Clifton & Applegate, Hutton Building, Spokane, Wash., and G. D. Lyon, 503 14th St., Spokane, at $32,280 awarded contract by the Washington State Highway Commission, Olympia, for grading and surfacing about 1.9 miles of State Road No. 2, Hawk Creek to Telford, Federal Public Works Proj. in Lincoln County.

Trinagle Constr. Co., Spokane, at $36,680 submitted second low bid. L. V. Murrow, Director of Highways.

CONTRACT AWARDED

KING COUNTY, Wash.—Nick Fiorito, 844 W. 48th St., Seattle, Wash., at $23,133 awarded contract by the Washington State Highway Commission, Olympia, for the construction of Maple Valley-Black Diamond Road, Federal Public Works Project No. 4146 paving with Portland cement concrete, 20 ft. wide, in King County. Other bids were:

Fiorito Bros., Seattle, Wash.....$23,483
Northwest Constr, Co., Seattle 24,484
Erickson Paving Co., Seattle.... 24,992
Moceri Bros., Seattle..... 25,624
Queen City Constr. Co., Seattlet 32,190
L. J. Dowell, Inc., Seattle..... 25,624

L. V. Murrow Director of Highways.

BID REJECTED

GRAYS HARBOR AND JEFERSON COUNTIES Wash.—Joslin & McAllister, E 3038 Trent St., Spokane, Wash. at $53,432 submitted only bid and was rejected by the Washington State Highway Commission, Olympia, for surfacing with crushed stone about 5 miles, Swamp Creek North, and stockpiling crushed stone oil rock for about 34.45 miles, State Road No. 9, Quinault River to Cedar Creek, Federal Public Works Project in Grays Harbor and Jefferson Counties. The bid was opened March 6.

NO BIDS RECEIVED

JEFFERSON AND CLALLAM COS. Wash.—No bids were received by the Director of Highways, L. V. Murrow, Olympia, Wash., March 6, for stockpiling about 18,550 cubic yards of crushed stone surfacing and oil rock about 88.0 miles of State Road No. 9, Cedar Creek to Port Angeles, Federal Public Works Project, in Jefferson and Clallam Counties.

BIDS OPENED

LOS ANGELES, Cal.——Arthur E. Pearson, 2225 Glencoe Ave., Venice, at $10,938.32 submitted low bid to the Los Angeles Board of Public Works, March 7, for improving 65th Street, between Main Street and Broadway, under Cash Contract. Complete bids follow:

Arthur E. Pearson, Venice, $10,938.32.
George R. Curtis Paving Co., Los Angeles, $11,117.31.
Charles Booth, Los Angeles, $11,-200.90.
Los Angeles Paving Co., Los Angeles, $11,499.75.
Southern California Roads Co., Los Angeles, $11,586.60.
O'Neal & Son, Los Angeles, $11,907.11
George Nelson, Los Angeles, $12,167.55
Oswald Bros., Los Angeles, $12,198.78.
Griffith Co., Los Angeles, $12,256.79.
J. L. McClain, Los Angeles, $12,499.64.
Creighton, Inc., Los Angeles, $12,-592.26.
Engineer's Estimate $11,631.10.

BIDS WANTED

BENTON FIELD, Alameda Cal.—As previously reported, until March 21, 10:30 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, Calif., for grading runways and placing rock underfill thereon, and for the construction and completion of an extension to the present drainage system, at Benton Field Air Depot, Alameda. The area to be graded and filled is as follows:

(1) East-West Runway, 3800 ft. long by 500 ft. wide;
(2) North-South Runway, 1800 ft. long by 500 ft. wide.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

FRESNO, Fresno Co., Calif.—Valley Paving Co., Box 1349, Fresno, at $31,-653.29 awarded contract by the Fresno City Commission for paving in connection with the Broadway widening project. The work involves the paving of Divisadero Street between Broadway and Van Ness Ave., of South G St. and of Cherry Ave. between Fulton St. and Van Ness Ave.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

CASPER-ALCOVA PROJECT—TUNNELS AND CANALS—(GOVT.)

CASPAR WYOMING—The following bids were received by the Bureau of Reclamation, Casper, Wyoming, for constructing earthwork, tunnels and structures, Casper Canal, Station 0 to Station 190, Casper-Alcova PWA Project, Wyoming, Specifications No. 564:

SCHEDULE 1

CANAL HEADWORKS STRUCTURE & TUNNEL NO. 1, CASPER CANAL STATION 0 TO STATION 32 PLUS 00:

(A) The Utah Construction Co., Ogden, Utah, $225,990.00.
(B) Edward Peterson, Omaha, Nebraska, $228,072.50.
(C) Morrison-Knudsen Co., Boise, Idaho, $236,830.00.
(D) Lawlor-Woodward Co., Seattle, Wash., $241,950.00.
(E) W. E. Kier Con. Co., & Doran & Boyd, San Diego, $248,477.50.
(F) S. S. Magoffin & Co., Adrian, Oregon, $254,636.00.
(G) Frazier-Davis Con. Co., St. Louis, Mo., $266,607.50.
(H) Seerie Bros., Denver, Colorado, $276,747.50.
(I) The Hunkins-Conkey Con. Co., Cleveland, Ohio, $293,205.50.

Unit items follow:
(1) 4,000 cu. yds. excav. in open cut, Class 1;
(2) 3,000 cu. yds. do, Class 2;
(3) 13,000 cu. yds. do, Class 3;
(4) 1,400 cu. yds. back fill;
(5) 450 cu. yds. puddling or tamping backfill;
(6) 23,200 cu. yds. excav. of tunnel, all classes;
(7) 94 MFBM furnish and erect permanent timbering in tunnel;
(8) 210,000 lbs. furnish and install steel tunnel liner plates;
(9) 1,100 lin. ft. construct 6-in. dia. tunnel drain;
(10) 1,200 lin. ft. 8-in. do;
(11) 500 lin. ft. 10-in. do;
(12) 150 lin. ft. 10-in. dia. drain pipe with cemented joints;
(13) 475 cu. yds. concrete in portal structures and transitions;
(14) 5,500 cu. yds. concrete in tunnel lining;
(15) 100,000 lbs. place reinf. bars;
(16) 500 lin. ft. drilling grout holes not more than 10 ft. deep;
(17) 300 lbs. place grout pipe and connections;
(18) 1,000 cu. ft. pressure grouting;
(19) 1,000 sq. yds. dry rock paving;
(20) 14,500 lbs. install gate, gate hoist and operating mechanism;
(21) 600 lbs. install metal rail

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .25	$ .40	$ .28	$ .50	$ .35	$ .30	$ .40	$ .40	$ .30
(2)	.40	.50	.40	1.00	.45	.60	.80	.63	.40
(3)	.80	1.00	.80	1.50	1.10	1.00	1.30	1.10	1.00
(4)	.30	.60	.30	.50	.30	.50	.40	.50	.50
(5)	.50	.75	.50	.50	.25	.70	.90	.75	.25
(6)	5.15	5.00	5.90	5.85	6.80	6.88	7.40	6.00	8.34
(7)	70.00	65.00	90.00	70.00	80.00	80.00	55.00	100.00	60.00
(8)	.07	.05	.07	.05	.08	.08	.06	.10	.061
(9)	.80	1.00	.50	.25	.25	.60	.50	1.30	.50
(10)	.80	1.20	.70	.30	.30	.75	.60	1.35	.60
(11)	.80	1.50	.90	.40	.35	.80	.75	1.40	.70
(12)	.50	1.00	.70	.40	.40	1.00	.25	2.50	.80
(13)	17.00	14.00	18.00	17.00	13.00	12.00	19.00	24.00	20.00
(14)	10.00	11.00	8.70	9.00	6.45	7.00	7.10	11.50	8.58
(15)	.02	.025	.02	.015	.015	.03	.02	.03	.02
(16)	1.00	.50	.50	.50	1.00	1.00	.90	.50	.50
(17)	.20	.20	.15	.25	.25	.30	.20	.25	.40
(18)	1.25	1.00	.75	1.00	1.50	1.00	.70	1.00	1.50
(19)	2.00	3.00	1.25	1.50	1.50	2.00	.90	4.00	2.00
(20)	.05	.05	.05	.06	.08	.05	.09	.08	.05
(21)	.10	.10	.10	.10	.10	.10	.20	.10	.05

SCHEDULE II

Earthwork and Tunnels, Casper Canal, Station 32 plus 00 to Station 101 plus 50 (Tunnel No. 2) and Station 149 plus 35 (Tunnel No. 2) to Station 190 plus 00:

(A) J. A. Terteling & Sons, Boise, Idaho, $89,865.00.
(B) Morrison-Knudsen Co., Boise, Idaho, $101,415.00.
(C) Lawlor-Woodward Co., Seattle, $104,307.50.
(D) Bernard-Curtiss Co., Minneapolis, $112,085.00.
(E) A. R. Mackey and L. L. DeRemer, Denver, $113,529.00.
(F) Edward Peterson, Omaha, Neb., $114,485.00.
(G) Martin-Day Co., Lincoln, Neb., $119,270.00.
(H) The Utah Const. Co., Ogden Utah, $121,085.00.
(I) S. S. Magoffin & Co., Adrian, Ore., $144,940.00.
(J) Mark C. Walker & Son Co., Omaha, Neb., $144,985.00.
(K) Frazier-Davis Const. Co., Saint Louis, $150,156.00.
(L) Seerie Bros., Denver, $158,725.00.
(M) W. E. Kier Const. Co., and Doran & Boyd, San Diego, $162,795.00.
(N) Geo. W. Condon Co. Omaha, Neb. $176,385.00.

Unit items follow:
(22) 225,000 cu. yds. excav. for canal, Class 1;
(23) 75 000 cu. yds. do, Class 2;
(24) 25,000 cu. yds. do, Class 3;
(25) 40,000 cu. yds. do for core banks;
(26) 10,000 sta. cu. yds. overhaul;
(27) 300 cu. yds. excav. for structures, Class 1;
(28) 100 cu. yds. do, Class 2;
(29) 500 cu. yds. do, Class 3;
(30) 10,000 cu. yds. excav. for drainage channels and dikes, Class 1;
(31) 500 cu. yds. do, Class 2;
(32) 100 cu. yds. do, Class 3;
(33) 3,000 cu. yds. backfill;
(34) 600 cu. yds. puddling or tamping backfill;
(35) 1,900 cu. yds. conc. in structures;
(36) 267,000 lbs. placing reinf. bars;
(37) 430 sq. yds. dry rock paving;
(38) 6,000 lbs. install blow off valves and connections;
(39) 6,500 lbs. install metal railing;

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
(22)	$ .12	$ .108	$ .10	$ .10	$ .21	$ .15	$ .15	$ .13	$ .15	$ .197	$ .16	$ .185	$ .27	$ .25
(23)	.12	.18	.24	.30	.21	.29	.15	.30	.50	.347	.55	.36	.40	.60
(24)	.45	.50	.70	.60	.21	.49	.80	.60	.73	.89	.90	.85	.75	.70
(25)	.18	.15	.20	.15	.15	.15	.15	.20	.25	.347	.25	.25	.30	.30
(26)	.05	.03	.05	.05	.05	.03	.05	.03	.05	.06	.04	.03	.03	.05
(27)	.60	.80	.50	2.00	.50	.75	1.00	.50	1.00	1.50	.70	1.00	1.00	1.00
(28)	.60	1.00	1.00	2.00	1.00	1.00	1.00	.80	2.00	1.50	1.30	1.00	2.00	2.00
(29)	.60	1.50	1.50	2.50	1.50	1.50	2.00	2.50	3.00	1.50	2.30	1.50	2.50	5.00
(30)	.12	.15	.15	.15	.25	.20	.15	.15	.30	.22	.20	.25	.30	.25
(31)	.12	.35	.30	.45	.30	.40	.15	.30	.50	.75	.70	.50	.40	.60
(32)	.50	1.00	1.00	1.00	2.00	1.50	2.00	2.00	1.00	1.50	1.30	1.00	1.00	1.00
(33)	.20	.30	.25	.20	.15	.50	.20	.30	.50	.25	.20	.50	.25	.50
(34)	.40	.40	.50	.50	.20	.75	.50	.50	.70	.25	.70	.75	.50	.50
(35)	13.50	18.00	15.00	18.00	14.25	14.00	18.00	18.00	14.50	14.00	15.00	22.00	15.00	15.00
(36)	.02	.02	.015	.02	.0245	.025	.03	.02	.03	.02	.02	.03	.02	.02
(37)	2.00	1.50	1.75	1.50	1.00	3.00	2.00	2.50	2.00	1.50	.70	4.00	1.00	4.00
(38)	.03	.05	.06	.05	.025	.05	.05	.04	.10	.025	.07	.07	.05	.15
(39)	.03	.05	.06	.05	.025	.03	.05	.10	.10	.03	.07	.10	.05	.15

SCHEDULE III

Tunnel No! 2, Casper Canal, Station 101 plus 50 to Station 149 plus 35;

(A) Edward Peterson, Omaha, Neb., $293,465.00*.

(B) The Utah Const. Co., Ogden, Utah $302,510.00.

(C) Morrison-Knudsen Co., Boise, Ida. $324,750.00.*

(D) Lawlor - Woodward Co., Seattle, $324,805.00.*

(E) W. E. Kier Const. Co. and Doran & Boyd, San Diego, $355,600.00.*

(F) S. S. Magoffin & Co., Ardian, Ore., $346,115.00.*

(G) Seerie Bros., Denver, $367,970.00.*

(H) Frazier-Davis Const. Co., Saint Louis, $369,542.50.*

(I) The Hunkins-Conkey Const. Co., Cleveland, $408,627.00.*

Unit items follow:

(40) 6,000 cu. yds. excavation, in open cut, Class 1;

(41) 6,000 cup. yds. do, Class 2;

(42) 9,000 cu. yds. do, Class 3;

(43) 600 cu. yds. backfill;

(44) 500 cu. yds. puddling or tamping backfill;

(45) 35,500 cu. yds. excav. of tunnel, all classes;

(46) 138 MFBM furnish and erect permanent timbering in tunnel;

(47) 70,000 lbs. furnish and install steel tunnel liner plates;

(48) 1,800 lin. ft. construct 6-in. dia. tunnel drain;

(49) 1,800 lin. ft. 8-in. do;

(50) 700 lin. ft. 10-in. do;

(51) 150 lin. ft. laying 10-in. dia. drain pipe with cement joints;

(52) 480 cu. yds. concrete in portal struc. and transitions;

(53) 8,400 cu. yds. concrete in tunnel lining;

(54) 46,000 lbs. place reinf. bars;

(55) 200 lin. ft. drilling grout holes not more than 10 ft. deep;

(56) 100 lbs. placing grout pipe and connections;

(57) 400 cu. ft. pressure grouting;

(58) 200 sq. yds. dry rock paving.

Unit items follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(40)	$ .30	$ .25	$ .28	$ 50	$ .35	$ .30	$ .40	$ .40	$ .30
(41)	.50	.40	.40	1.00	.45	.60	.70	.80	.40
(42)	1.00	.80	.80	1.50	1.00	1.00	1.25	1.30	1.00
(43)	.60	.30	.30	.56	.25	.50	.50	.40	.50
(44)	.75	.50	.50	.50	.10	.70	.75	.90	.25
(45)	4.60	5.15	5.90	5.60	6.80	6.88	6.00	7.40	8.34
(46)	65.00	70.00	90.00	70.00	80.00	80.00	100.00	55.00	60.00
(47)	.06	.07	.07	.08	08	.08	.10	.06	.061
(48)	1.00	.80	.50	.25	.25	.60	1.30	.50	.50
(49)	1.20	.80	.70	.30	.30	.75	1.35	.60	.60
(50)	1.50	.80	.90	.40	.35	.80	1.40	.75	.70
(51)	1.00	.50	.70	.40	.40	1.00	2.50	.25	.80
(52)	14.00	17.00	18.00	19.00	13.00	12.00	21.00	19.00	20.00
(53)	10.50	9.50	8.70	9.00	6.45	7.00	11.50	7.40	8.58
(54)	.025	.02	.02	.015	.015	.03	.03	.02	.02
(55)	.50	1.00	.50	.50	1.00	1.00	.50	.90	.50
(56)	.10	.20	.15	.25	.25	.30	.25	.20	.40
(57)	1.00	1.25	.75	1.00	1.50	1.00	1.00	.70	1.50
(58)	3.00	2.00	1.25	2.00	1.50	2.00	4.00	.90	2.00

*STIPULATIONS

Bidders made the following stipulations:

Edward Peterson, Omaha, if awarded Schedules Nos. 2 and 3 deduct $10-000 from Schedule No. 3. Grand total, $636,022.50.

Morrison - Knudsen Co., Boise, will not accept any except Schedules 1, 2 and 3 combined; Schedues 1 & 3 combined; Sch. 2 alone, if awarded all three schedules deduct $10,000 from final estimate. Grand total, $662,995.

Lawlor-Woodward Co., Seattle, "A" $12,500 may be deducted if awarded Schedules 1 and 2; "B" $12,500 may be deducted if awared Schedules 2 and 3; "C" $12,500 may be deducted if awarded Schedules 1 and 3; "D" $25,000 may be deducted if awarded Schedules 1, 2 and 3. Grand total, $671,062.50.

W. E. Kier Const. Co. and Doran & Boyd, San Diego, will accept Schedules 1 and 3; will accept Schedules 1, 2 and 3; will not accpet Schedule 2 only. Grand Total $746,872.50.

S. S. Magoffin & Co., Adrian, Ore., will accept Schedules 1, 2 and 3; will not accept Schedules 1 and 3; will not accept either schedule alone. Grand total, $745,691.00.

Frazier-Davis Const. Co., St. Louis, will accept Schedules 1, 2 and 3; will accept Schedules 1 and 3; will not accept Schedules 1, 2 and 3 alone or 1 and 2 or 2 and 3. Grand total $786,-306.00.

Seerie Bros., Denver, will accept Schedules 1, 2 and 3; will accept Sch. 1 and 3, will accept Schedule 2 alone. Grand total, $803,442.50.

The Hunkins - Conkey Const. Co., Cleveland, will not accept Schedule 1 without Schedule No. 3; will not accept Schedule 3 without Schedule 1. Grand total, $408,627.00.

The Utah Const. Co., Ogden. Grand total, $649,585.00.

BIDS OPENED

TULARE COUNTY, Cal. — Basich Bros. Constr. Co., 20550 Normandie Ave., Torrance, at $265,811.90 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with asphalt concrete abount 8.1 mi. between Visalia and Merryman, in Tulare County, involving:

(1) clear and grub right of way;

(2) 20,000 cu. yds. rdwy. excav.;

(3) 105,000 cu. yds. imported borrow;

(4) 6,600 cu. yds. struc. excav.;

(5) 15,000 sta. yds. overhaul;

(6) 24,000 tons crusher run base;

(7) 29,500 tons asphalt concrete;

(8) 4,200 sq. yds. asph. paint binder;

(9) 2,310 cu. yds. Class A Port. cem. concrete struc.;

(10) 1,400 cu. yds. remove and dispose of Port. cem. conc. and brick in pavement and structures;

(11) 20 cu. yds. drainage sumps;

(12) 236,400 lbs. bar reinf. steel struc.;

(13) 0.2 mile new property fence;

(14) 8.0 miles existing property fence to be moved and reset;

(15) 60 each culvert markers;

(16) 110 each guide posts;

(17) 9 each concrete joints;

(18) 4,700 bbls. heavy fuel oil detours and shoulders;

(19) 600 bbls. light fuel oil prime coat;

(20) 45 each gates;

(21) 5,000 M. gals. water;

(22) 430 stations mixing oil on detours and shoulders;

(23) 975 lin. ft. concrete pipe, clean and relay;

(24) 540 lin. ft. laminated timber gd. rail;

(25) 1,233 lin. ft. solid timber guard rail struc.;

(26) 24 lin. ft. CMP clean and relay;

(27) 1,346 lin. ft. 12-in. CMP;

(28) 784 lin. ft. 18-in. CMP;

(29) 20 lin. ft. 24-in. CMP;

(30) 124 lin. ft. 24-in. CMP siphon close, rivet and solder;

(31) 72 lin. ft. 30-in. do;

(32) 144 lin. ft. 36-in. CMP;

(33) 932 lin. ft. part circle culverts;

(34) 430 stations finishing roadway;

(35) 48 each monuments complete in place.

Complete bids follow:

(A) Basich Bros. Constr. Co., Torrance, $265,811.90.

(B) Southern California Roads Co., **Los Angeles**, $299,622.30.

(C) Union Paving Co., 624 Call Bldg., San Francisco, $306,198.90.

Units bids follow:

	(A)	(B)	(C)
(1)	$1000.00	$4100.00	$1500.00
(2)	.20	.26	.20
(3)	.39	.39	.30
(4)	.50	.88	1.50
(5)	.01	.02	.02
(6)	2.00	2.25	2.00
(7)	3.20	3.55	4.00
(8)	.02	.03	.02
(9)	15.00	16.50	20.00
(10)	2.50	2.00	3.00
(11)	3.00	6.00	3.00
(12)	.037	.043	.05
(13)	450.00	550.00	400.00
(14)	200.00	150.00	300.00
(15)	2.00	2.00	3.00
(16)	2.00	2.00	3.00
(17)	8.00	9.00	3.50
(18)	1.40	1.50	1.60
(19)	1.25	2.10	1.40
(20)	12.00	30.00	15.00
(21)	.65	1.15	1.00
(22)	8.25	7.00	5.00
(23)	.40	.60	.60
(24)	1.00	1.00	1.00
(25)	1.00	1.00	1.00
(26)	.40	.60	.60
(27)	1.10	1.25	1.00
(28)	1.50	1.70	1.50
(29)	2.20	2.70	3.00
(30)	2.80	3.30	4.00
(31)	3.50	4.00	5.00
(32)	4.30	5.20	4.00
(33)	2.00	2.20	3.00
(34)	5.00	6.00	5.00
(35)	2.00	3.00	2.00

BIDS OPENED

SAN BERNARDINO and Riverside Counties, Calif.—Edwin Anderson, 542 Natoma St., San Francisco, at $4,894.-10 submitted low bid to State Highway Commission, Sacramento, for about 608 miles of traffic stripe to be applied to existing pavement in San Bernardino and Riverside Counties at various locations. Complete bids follow:

(A) Edwin Anderson, San Francisco, $4,894.10.

(B) B. G. Carroll, San Diego, $5,223.-35.

Unit items and prices follow:

(1) 387 miles painting traffic stripe over existing traffic stripe, (A) $5.20 (B) $4.95.

(2) 221 miles spotting for new traffic stripe, (A) $6.80; (B) $8.05.

(3) 221 miles painting new traffic stripe, (A) $4.70; (B) $4.95.

LARK CO., NEV.—17.6 Miles Grading and Surf—(Govt.)

CLARK COUNTY, Nev.—Morrison-nudsen Co., P. O. Box 1518, 318 roadway, Los Angeles, at $177,522.80 % deduction if awarded grading of c. A of Route 11, the Mt. Charles-n National Forest Highway, Dixie ational Forest, in Clark County) sub-itted low bid to the Bureau of Pub-Roads, 807 Sheldon Building, San ancisco, for grading and surfacing ction A of Federal Lands Highway oject No. 7, NRPL 7-A, Charleston ark Road, in Clark County.

Complete bids follow:

) Morrison-Knudsen, Los Angeles, $177,522.80.*

) Central States Contr. Co., Ltd., Oakland, $179,729.90.

) Isbell Const. Co., Carson City, Nevada, $190,315.85.

) Gist & Bell, Arcadia, and Pearson & Dickerson Contr. Co., Inc., Riverside, $193,191.50.

) Dodge Const. Co., Fallon, Nevada, $201,252.54.

) Olof Nelson, Logan, Utah, $201,-391.90.

) Gibbons & Reed Co. Burbank, Cal. $229,810.70.

) R. E. Campbell, Los Angeles,** $233,964.10.

) Engineer's estimate, $170,961.35.

*2% and **½% deduction if award-Section A of Route 11, the Mount arleston National Forest Highway, ixie National Forest, in Clark Coun-. C. H. Sweetser, district engineer.

Unit items follow:

(1) 165,900 cu. yds. unclass. excav.;
(2) 1,860 cu. yds. do, struc.;
(3) 158,000 sta. yds. overhaul;
(4) 46,700 tons crushed gravel for surfacing;
(5) 2,100 tons supp. crushed gravel;
(6) 1,475 M. gals. watering;
(7) 310 tons liquid asph road material, Type MC-1;
(8) 362,000 gals. do. Type SC-2;
(9) 17.619 mi. mixing and rolling blt. treated surfacing;
(10) 65 MFBM treated timber;
(11) 3 cu. yds. Class A concrete;
(12) 123 cu. yds. do, Class B;
(13) 1,250 lbs. reinf. steel;
(14) 17 cu. yds. dry rubbe masonry;
(15) 48 lin. ft. 8-in. (asph. dipped) CGMP;
(16) 1,854 lin. ft. 18-in. CMP;
(17) 346 lin. ft. 24-in. CMP;
(18) 296 lin. ft. 30-in. CMP;
(19) 48 lin. ft. 36-in. CMP;
(20) 122 lin. ft. 42-in. CMP;
(21) 4 each type A spillway inlets;
(22) 636 lin. ft. remove and relay on stockpile existing CMP culverts;
(23) 8,510 lin. ft. diversion ditches;
(24) 14 each right of way monuments;
(25) 1,300 lin. ft. remove and reset fence;
(26) 1 each cattle guard;
(27) 342 sq. yds. asph. seal coat for bridge floors;
(28) extra work, remove and relay water line;
(29) extra work, maintaining roads.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
1).....	$ .35	$ .37	$ .40	$ .40	$ .45	$ .58	$ .60	$ .51	$ .35
2).....	1.50	1.25	1.50	1.50	1.50	1.50	1.25	3.20	1.50
3).....	.02	.02	.02	.02	.03	.02	.03	.02	.04
4).....	.80	.75	.80	.98	.75	.70	.80	1.30	.70
5).....	.90	.80	.80	.80	.70	.70	.80	1.20	.79
6).....	4.00	4.00	3.25	4.50	5.00	1.00	8.00	2.00	3.00
7).....	29.00	25.00	31.50	34.00	27.50	25.00	30.00	28.90	28.00
8).....	.08	.075	.08	.07	.08	.06	.075	.065	.07
9).....	600.00	600.00	700.00	500.00	660.00	500.00	700.00	600.00	650.00
0).....	80.00	125.00	110.00	120.00	130.00	110.00	110.00	121.80	120.00
1).....	30.00	30.00	32.00	29.00	40.00	30.00	30.00	35.00	32.00
2).....	26.00	27.00	32.00	28.60	40.00	30.00	30.00	30.00	30.00
3).....	.08	.10	.07	.12	.10	.10	.06	.06	.07
4).....	8.00	10.00	16.00	9.00	5.00	10.00	5.00	10.00	10.00
5).....	1.15	1.50	1.50	1.04	1.50	2.00	1.50	2.00	1.05
6).....	2.00	2.25	2.00	1.77	2.50	2.50	2.50	4.30	1.70
7).....	3.25	3.50	3.00	2.73	3.50	3.00	3.50	6.40	2.85
8).....	4.00	4.25	3.50	3.40	4.00	4.00	4.50	7.00	3.25
9).....	5.75	7.00	6.00	5.32	6.00	6.00	6.50	7.50	5.25
0).....	8.00	8.00	7.00	6.28	7.00	8.00	7.50	8.40	6.15
1).....	15.00	25.00	20.00	15.00	20.00	50.00	25.00	22.00	17.50
2).....	1.00	2.00	1.10	.75	2.00	3.00	.75	1.75	1.00
3).....	.15	.20	.25	.25	.10	.20	.30	.30	.05
4).....	3.00	3.00	3.50	5.00	4.00	10.00	3.00	4.00	3.00
5).....	.05	.10	.05	.06	.20	.15	.05	.15	.07
6).....	725.00	500.00	400.00	300.00	500.00	500.00	300.00	300.00	300.00
7).....	.10	.50	.60	.10	.50	.20	.20	.15	.20
8).....	.....	.....	100.00	.....	.....	.....	100.00	100.00	.....
9).....	.....	.....	850.00	.....	.....	.....	850.00	850.00	.....

OS ANGELES CO.—CURRENT DEFLECTORS—(STATE)

LOS ANGELES COUNTY, Cal.—E. Perham, 1128 Stearns Drive, Los ngeles, at $5370.80 submitted low bid the Department of Public Works, ivision of Highways, S. V. Cortelyou istrict VII), District Engineer, 808 alifornia State Office Bldg., Los An-les, for constructing timber pile rrent deflectors at the downstream ds of five bridge piers, and channel be cleared of obstructions, at the n Gabriel River Bridge, near Whit-er (VII-L.A.-2-D) in Los Angeles unty, involving:

) 4160 lin. ft. furnish redwood timber piles;

) 130 redwood timber piles driven in place;

(3) 24.0 M.F.B.M. select allheart struc. redwood timber in place;

(4) 1 lot, channel obstructions removed and disposed of.

Complete bids follow:

(A) E. G. Perham, Los Angeles, $5,-370.80.

(B) Wm. Hess, Los Angeles, $5222.20.

(C) Geo. J. Bock & Son, Los Angeles, $5722.

(D) Creighton, Inc., Los Angeles, $5827.90.

(E) R. R. Bishop, Long Beach, $5961.20

F) Lynch - Cannon Engineering Co., Los Angeles $6330.

(G) Ralph A. Bell, $6340.

Unit bids follow:

	(A)	(B)	((C)	(D)	(E)	(F)	(G)
(1)	$ .43	$ .42	$ .45	$ .44	$ .42	$ .50	$ .50
(2).....	12.00	13.50	14.00	13.25	16.00	15.00	16.00
(3)	65.50	67.50	70.00	71.25	66.00	75.00	70.00
(4).....	450.00	400.00	350.00	565.00	550.00	500.00	500.00

BIDS OPENED

MADERA COUNTY, Cal.—Yglesias Bros., Inc., Box 25, 841 W Beach St., San Diego, at $131,357.20 submitted low bid to the State Highway Commission, Sacramento for grading about 4.1 miles between Hawkins School and Oakhurst, in Madera County.

Complete bids follow:

(A) Yglesias Bros., Inc., San Diego, $131,357.20.

(B) Larsen Bros., Sacramento, $152,-730.35.

(C) Hemstreet and Bell, Marysville, 1159,334.00.

(D) Fredrickson & Watson Co., Oakland, $170,036.00.

Unit items follow:

(1) 36 acres clear and grub right of way;
(2) 240,000 cu. yds. rdwy. excav., unclassified;
(3) 1,100,000 sta. yds. overhaul;
(4) 2,317 cu. yds. struc. excav.;
(5) 115 cu. yds. Class A Port. cem. conc. struc.;
(6) 48 cu. yds. Class A Port. cement conc. timber trestle slab;
(7) 16,500 lbs. bar reinf. steel;
(8) 54 lin. ft. 12-in. CMP;
(9) 1,690 lin. ft. 18-in. CMP;
(10) 672 lin. ft. 24-in. CMP;
(11) 220 lin. ft. 30-in. CMP;
(12) 130 lin. ft. 36-in. CMP;
(13) 214 lin. ft. 48-in. CMP;
(14) 86 lin. ft. 8-in. perf. metal pipe underdrains;
(15) 30.57 MFBM dense select all-heart struc. grade redwood timber;
(16) 49.43 MFBM select allheart struc. grade redwood timber;
(17) 1,240 lin. ft. furnish creosoted Douglas fir piles;
(18) 54 each driving piles;
(19) 9,250 M. gals. water;
(20) 510 cu. yds. heavy riprap;
(21) 24,700 lbs. struc. steel;
(22) 0.2 mile existing property fence to be moved and reset;
(23) 8.1 miles new property fence;
(24) 25 each fence gates;
(25) 25 each timber guide posts;
(26) 54 each timber culvert markers;
(27) 217 sta. finishing roadway;
(28) 132 each monuments complete in place.

	(A)	(B)	(C)	(D)
(1)..	$200.00	$250.00	$150.00	$125.00
(2)....	.325	.40	.40	.48
(3)....	.005	.005	.0075	.01
(4)....	1.00	1.00	1.25	1.50
(5)....	25.00	25.00	24.00	24.00
(6)....	12.00	22.00	18.00	24.00
(7)....	.05	.06	.05	.05
(8)....	1.80	1.25	1.40	1.25
(9)....	1.80	1.75	1.70	1.70
(10)....	2.50	2.50	2.60	2.65
(11)....	3.50	3.30	3.40	3.50
(12)....	5.00	5.00	5.75	4.75
(13)....	9.00	9.00	9.50	8.00
(14)....	1.50	1.00	2.00	1.50
(15)....	80.00	90.00	93.50	100.00
(16)....	80.00	85.00	90.00	90.00
(17)....	1.00	.60	.65	.70
(18)....	20.00	26.00	40.00	35.00
(19)....	1.00	.75	1.50	.50
(20)....	1.00	1.00	4.00	2.00
(21)....	.08	.06	.08	.07
(22)....	300.00	200.00	400.00	250.00
(23) ...	400.00	400.00	450.00	400.00
(24)....	15.00	15.00	15.00	18.00
(25). .	2.00	1.00	2.50	2.25
(26)....	2.00	2.00	2.50	2.00
(27)...	5.00	5.00	5.00	6.00
(28) .	3.00	3.00	3.00	2.50

BIDS OPENED

KERN COUNTY, Cal.—Granite Construction Co., Watsonville, at $27,339.50 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone abount 1.1 mi. between 1 mile south of Delano and 2 miles south of Delano, in Kern County, involvng:

(1) 300 cu. yds. rdwy. excav. unclass.;
(2) 24,000 cu. yds. import. borrow;
(3) 1800 M. gals. water;

(4) 300 cu. yds. struc. excav.;
(5) 60 lin. ft. CMP clean and relay;
(6) 20 cu. yds. remove and dispose of exist. Portland cement concrete;
(7) 135 cu. yds. Class A Portland cement concrete struca.;
(8) 19,500 lbs. bar reinf. steel strucs.;
(9) 4 each culvert markers;
(10) 750 bbls. heavy fuel oil;
(11) 2600 tons cru. gravel or stone;
(12) 150 tons cutback asph. road oil bit. surface treatment;
(13) 2750 tons mix. cutback asph. road oil and cru. gravel or stone;
(14) 1.1 mi. mix. and shaping detours and shoulders;
(15) 220 lin. ft. laminated timber guard rail;
(16) 56 stations finishing roadway;
(17) 6 each monuments in place.

Complete bids follow:
(A) Granite Constr. Co., Watsonville, $27,339.50.
(B) Leo A. Brisco, Arroyo Grande, $29,158.
(C) Griffith Co., Los Angeles, $31,875.
(D) Tiffany Constr. Co., San Jose, $32,030.

Units bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .20	$ .28	$ .50	$ 1.00
(2)	.39	.32	.47	.46
(3)	1.40	.75	1.25	1.50
(4)	.65	1.00	.60	.50
(5)	.30	1.00	1.00	.50
(6)	2.50	1.50	5.00	3.00
(7)	16.50	19.00	20.00	18.00
(8)	.055	.06	.05	.06
(9)	2.00	1.50	3.00	1.00
(10)	1.30	1.10	1.20	2.00
(11)	2.30	2.35	2.50	2.50
(12)	18.50	13.50	16.00	17.00
(13)	.25	2.00	1.00	.90
(14)	600.00	800.00	1000.00	650.00
(15)	.80	1.25	1.00	1.00
(16)	10.00	5.00	5.00	3.00
(17)	2.50	3.00	3.00	3.00

March 15, 1934

BIDS OPENED

STANISLAUS COUNTY, Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $74,555.50 submitted low bid to the State Highway Commission, Sacramento, for grading and paving about 2.2 miles between one-half mile south and one mile north of Turlock, with asphalt concrete, in Stanislaus County.

Complete bids follow:
(A) Union Paving Co., San Francisco, $74,555.50.
(B) Heafey-Moore Co., Oakland, $93,722.55.
(C) A. Teichert & Son, Inc., Sacramento, $94,212.90.
(D) United Concrete Pipe Corp., Los Angeles, $94,401.80.

Unit items follow:
(1) 54 each trees to be removed and disposed of;
(2) 10,200 cu. yds. rdwy. excav., unclassified;
(3) 52,500 sta. yds. overhaul;
(4) 985 cu. yds. struc. excav.;
(5) 120 cu. yds. existing pavement & struc. to be removed and disposed of;
(6) 27,500 sq. yds. prepare subgrade for pavement;
(7) 27,000 sq. yds. asph. paint binder;
(8) 15,730 tons asphalt concrete;
(9) 400 lin. ft. 12-in. CMP;
(10) 60 lin. ft. 18-in. CMP;
(11) 90 lin. ft. 24-in. CMP;
(12) 224 lin. ft. 24-in. CMP close riveted and soldered;
(13) 204 lin. ft. 15-in. part circle CMP
(14) 200 lin. ft. salvage exist. culverts
(15) 8 each concrete joints pipe culverts;
(16) 9 each cast steel frames and covers for drop inlets;
(17) 85 cu. yds. Class A Port. cement concrete struc.;
(18) 3,900 lbs. bar reinf. steel struc.;
(19) 420 M gals. water;
(20) 0.25 mile existing property fence to be removed and reset;

KERN CO. — 6.1 MI. GRADING — (STATE)

KERN COUNTY, Calif.—Sharp and Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $93,929.90 submitted low bid to the State Highway Commission, Sacramento, for grading 6.1 miles between Sivert and Haypress Canyon in Kern County. The work involves:
(1) 240,000 cu. yds. rdwy. excav., unclassification;
(2) 2,660 cu. yds. struc. excav.;
(3) 2,500,000 sta. yds. overhaul;
(4) 7,076 M. gals. water;
(5) 17.3 MFBM dense select all-heart struc. grade redwood timber;
(6) 97.2 MFBM select all-heart do;
(7) 910 lin. ft. furnish redwood piles, nicluding test pile;
(8) 36 each driving redwood piles, do;
(9) remove and dispose of existing timber bridge;
(10) 940 cu. yds. light riprap;
(11) 250 bbls. light fuel oil;
(12) 40 cu. yds. Class A Port. cement concrete struc.;
(13) 2,000 lbs. bar reinf. steel struc.;
(14) 21 each spillway assemblies;
(15) 232 lin. ft. 8-in. CMP;
(16) 836 lin. ft. 18-in. CMP;
(17) 718 lin. ft. 24-in. CMP;
(18) 268 lin. ft. 30-in. CMP;
(19) 350 each guide posts;
(20) 320 lin. ft. laminated timber gd. rail;
(21) 4 cu. yds. existing Portland cem. concrete, remove and dispose of
(22) 43 each timber culvert markers;
(23) 1.1 miles new property fences;
(24) 10 each fence gates complete in place;
(25) 5.5 miles existing property fences to be removed and reset;
(26) 324 stations finish roadway;
(27) 160 each monuments complete in place.

Total bids follow:
(A) Sharp & Fellows, Los Angeles, $93,929.90.
(B) Von Der Hellen & Pierson, Castaic, $99,437.00.
(C) Griffith Co., Los Angeles, $99,830.00.
(D) Chas. L. Harney, San Francisco, $103,347.45.
(E) Dimmit & Taylor, Los Angeles, $113,918.90.
(F) Macco Const. Co., Clearwater, $115,896.80.
(G) United Concrete Pipe Co., Los Angeles, $118,120.20.
(H) Fredrickson & Watson, Oakland, $118,854.80.
(I) Gist & Bell, Arcadia, $139,022.00.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .235	$ .23	$ .24	$ .24	$ .30	$ .25	$ .28	$ .28	$ .35
(2)	.80	.70	.60	.85	1.00	1.00	.80	1.25	1.00
(3)	.003	.005	.003	.005	.003	.004	.006	.005	.005
(4)	.60	1.00	1.00	1.29	.75	2.00	.80	1.00	2.00
(5)	83.00	80.00	90.00	90.00	96.00	90.00	95.00	100.00	85.00
(6)	77.00	75.00	80.00	80.00	86.00	85.00	90.00	100.00	80.00
(7)	.55	.60	.60	.55	.63	.60	.75	.65	.60
(8)	14.00	20.00	15.00	15.00	13.50	30.00	20.00	35.00	15.00
(9)	400.00	200.00	500.00	250.00	450.00	500.00	200.000	650.00	300.00
(10)	2.00	2.00	2.50	1.00	3.65	4.00	4.00	3.00	2.00
(11)	2.20	1.50	5.00	2.25	2.40	2.10	3.00	3.00	4.00
(12)	32.00	25.00	20.00	22.00	25.00	40.00	22.00	25.00	25.00
(13)	.06	.05	.05	.06	.06	.07	.07	.06	.06
(14)	15.00	15.00	15.00	14.00	15.00	15.00	15.00	15.00	12.00
(15)	.80	1.00	1.00	1.00	1.30	1.00	1.10	1.00	1.00
(16)	1.50	1.50	2.00	1.50	1.75	1.90	1.70	1.80	2.00
(17)	2.30	2.50	3.00	2.25	2.75	2.80	2.50	2.50	2.75
(18)	3.25	3.00	3.50	3.00	3.50	3.50	3.25	3.00	3.25
(19)	1.00	2.00	1.50	2.00	2.00	2.00	3.00	2.25	1.50
(20)	1.00	1.00	1.00	.90	1.50	1.00	1.10	1.00	1.25
(21)	4.50	2.00	3.00	5.00	5.00	10.00	5.00	2.50	4.00
(22)	1.50	2.00	2.00	2.25	2.00	2.00	3.00	2.00	2.00
(23)	480.00	400.00	450.00	400.00	550.00	600.00	400.00	400.00	500.00
(24)	20.00	15.00	14.00	15.00	15.00	20.00	16.00	15.00	25.00
(25)	240.00	200.00	300.00	250.00	175.00	350.00	250.00	240.00	350.00
(26)	6.00	5.00	5.00	5.00	4.00	5.00	6.00	6.00	6.00
(27)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.50	3.00

(21) 1 mile new property fence;
(22) 6 each fence gates;
(23) 1,100 bbls. heavy fuel oil;
(24) 30.4 M. sq. yds. prepare, mix and shape earth shoulders;
(25) 91 sta. finishing roadway;
(26) 36 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$ 5.00	$ 10.00	$ 15.00	$ 7.00
(2)	.20	.25	.50	.30
(3)	.005	.01	.02	.006
(4)	.80	.75	1.00	.80
(5)	1.50	3.00	5.00	3.00
(6)	.06	.09	.12	.10
(7)	.02	.02	.01	.03
(8)	4.00	4.82	4.53	4.90
(9)	1.00	1.30	1.25	1.30
(10)	1.50	2.00	1.50	1.80
(11)	2.00	3.00	2.20	2.40
(12)	2.50	3.50	4.00	3.00
(13)	1.00	1.25	3.50	1.00
(14)	.50	.50	1.00	1.00
(15)	2.00	10.00	12.00	5.00
(16)	25.00	35.00	40.00	30.00
(17)	12.00	20.00	20.00	20.00
(18)	.05	.06	.06	.07
(19)	.50	2.00	1.00	1.50
(20)	200.00	300.00	300.00	200.00
(21)	400.00	450.00	500.00	400.00
(22)	12.00	20.00	20.00	15.00
(23)	1.50	1.75	2.00	1.80
(24)	5.00	60.00	50.00	35.00
(25)	3.00	5.00	10.00	4.00
(26)	3.00	3.00	3.00	2.30

CONTRACT AWARDED

SONOMA COUNTY, Cal. — Frank Bryant, 2911 23rd St., San Francisco, at $29,577 awarded contract by the Sonoma County Board of Supervisors, Santa Rosa, for the construction of a new bridge, to replace an existing span across Dry Creek, near the City of Healdsburg in Sonoma County, involving:
(1) 575 cu. yds. Class A concrete;
(2) 14 cu. yds. tremie concrete;
(3) 60,000 lbs. reinf. steel;
(4) 300,000 lbs. struc. steel;
(5) 1920 lin. ft. fir piling;
(6) 400 cu. yds. struc. excav.

Complete bids follow:
(A) Frank Bryant, San Francisco, $29,577.
(B) J. P. Brennan, Redding, $32,250.
(C) A. T. Howe, Santa Rosa, $32,436.
(D) A. H. Siemar San Anselmo, and John Carcano, San Rafael, $34,774.
(E) M. B. McGowan, San Francisco, $35,360.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$15.00	$16.00	$16.00	$16.00	$11.00
(2)	10.00	10.00	8.00	10.00	10.00
(3)	.04	.045	.045	.0471	.04
(4)	.05	.051	.05	.054	.047
(5)	.70	.85	.75	1.00	.66
(6)	2.00	4.50	2.50	3.50	2.50

E. A. Peugh, County Engineer.

CLARK COUNTY, NEV. — 3.6 Miles Grading — (Govt.)

CLARK COUNTY, Nevada—E. L. eager, P. O. Box 470, San Bernarino, at $50,671.24 submitted low bid o the U. S. Bureau of Public Roads, . H. Sweetser, District Engineer, 807 heldon Bldg., 461 Market St., San rancisco, for grading Section A of oute 11, the Mt. Charleston, Nat'l. orest Highway, Dixie Nat'l. Forest, lark County, Nevada, involving:

1) 72,700 cu. yds. unclass excav.;
2) 750 cu. yds. unclass. excav. for structures;
3) 56,000 sta. yds. overhaul;
4) 3,652 miles finish earth graded rd.
5) 25 MFBM treated timber;
6) 41 cu. yds. Class B concrete;
7) 300 lbs. reinforcing steel;
8) 15 cu. yds. dry rubble masonry;
9) 822 lin. ft. 18-in. CMP;
10) 372 lin. ft. 24-in. CMP;
11) 60 lin. ft. 30-in. CMP;
12) 16 lin. ft. 48-in. CMP;
13) 378 lin. ft. remove and relay or stockpile existing CMP culverts;
14) 89 each right of way monuments;
15) 150 sq. yds. asph. seal coat for bridge floors;
16) Extra work—Remove and relay water lines;
17) Extra work—Clearing and clean-up.

Total bids follow:

(A) E. L. Yeager, San Bernardino, $50,671.24; deduct 2% if awarded Section 7-A.
(B) Isbell Constr. Co., Carson City, Nev., $59,901.50; deduct 5% for 7-A.
(C) Olof Nelson, Logan, Utah, $60,-351.60.
(D) R. E. Campbell, Los Angeles, $61,-562.80; deduct 1% for 7-A.
(E) Central States Contracting Co., Oakland, $62,144.80.
(F) W. H. Houser, Oakland, $62,885.
(G) Morrison-Knudsen, Los Angeles, $74,259.30; deduct 2% for 7-A.
(H) Dodge Constr. Co., Fallon, Nev., $75,131.80; deduct 10% for 7-A.
(I) Wheelwright Constr. Co., Ogden, $77,070.60.
(J) Gist & Bell, Pearson & Dickerson, Arcadia, $83,903.
(K) Engineer's Estimate, $49,659.60.

Unit bids follow:

All bids held under advisement.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
1)	$ .53	$ .65	$ .65	$ .60	$ .66	$ .20	$ .85	$ .80	$ .86	$ .96	$ .50
2)	1.50	1.50	2.00	3.60	2.00	1.00	2.00	2.00	2.00	3.50	1.50
3)	.015	.02	.02	.02	.02	.02	.02	.04	.04	.03	.04
4)	175.00	250.00	300.00	200.00	400.00	500.00	400.00	400.00	300.00	500.00	300.00
5)	150.00	120.00	110.00	121.80	125.00	100.00	90.00	150.00	110.00	120.00	120.00
6)	25.00	40.00	35.00	30.00	35.00	30.00	28.00	40.00	30.00	33.00	30.00
7)	.10	.10	.10	.06	.10	.10	.08	.10	.12	.12	.07
8)	3.00	6.00	20.00	10.00	12.00	10.00	8.00	5.00	8.00	9.00	10.00
9)	1.95	2.00	2.50	5.00	2.50	2.00	2.25	3.00	2.00	1.77	2.00
10)	2.92	3.00	3.00	7.20	3.00	3.00	3.50	4.00	3.00	2.73	3.00
11)	4.80	4.00	4.00	7.50	4.00	4.00	4.50	5.00	3.75	3.40	3.75
12)	6.00	10.00	12.00	10.00	8.00	9.00	10.00	10.00	8.00	8.00	8.00
13)	1.50	1.50	1.00	1.75	2.00	1.00	1.00	2.00	1.00	.75	1.00
14)	4.00	3.50	5.00	3.00	3.00	3.00	3.00	4.00	4.00	5.00	3.00
15)	.60	.60	.30	.15	1.00	1.00	.10	1.00	1.00	.50	.60
16)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
17)	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00

GRANDE COULEE, WASH. — Bridge Piers — (Govt.)

SPOKANE, Wash. — As previously eported, Western Constr. Co., 1404 extile Tower, Seattle, Wash., at 180,177.40 submitted low bid to the ureau of Reclamation, Care of Colmbia Basin Commission, Civic Bldg., pokane, Wash., for construction of wo concrete piers for the Grand oulee Bridge below the Grand Coulee amsite on the Columbia River, Colmbia Basin Project, Washington. The ork is located about twenty miles orthwest of Almire, Washington: pec. No. 610-D, involving:

1) Lump sum, excav. and backfill, Pier 2;
2) Lump sum, excavate and backfill, Pier 3;
3) 50 cu. yds. excav. other than rock below Items 1 and 2;
4) 150 cu. yds. excav., rock Piers 1, and 2;
5) 5220 cu. yds. conc. in piers below El, 917;
6) 3010 cu. yds. conc. in piers above El, 917;
7) 57,000 lbs. place reinf. bars;
8) 13,000 lbs. place pier, nose angles and anchor belts.

Complete bids follow:

(A) Western Constr. Co., 1404 Textile Tower, Seattle, $180,177.40.
(B) L. Romano Engineering Corp., 1330 Dearborn St., Seattle, $197,-930.
(C) Morrison-Knudsen Co., 1397 Old National Bank Bldg., Spokane, $231,940.
(D) Puget Constr. Co., 219 Colman Bldg., Seattle, $244,000.
(E) General Constr. Co., 3840 Iowa St., Seattle, $285,520.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$67,247.00	$66,000.00	$83,000.00	$76,350.00	$98,000.00
(2)	67,247.00	50,000.00	75,000.00	76,350.00	98,000.00
(3)	20.00	10.00	30.00	15.00	10.00
(4)	28.00	15.00	30.00	20.00	40.00
(5)	4.83	9.00	8.00	12.00	9.00
(6)	4.83	10.00	8.00	8.00	11.00
(7)	.01	.03	.03	.01	.04
(8)	.0125	.03	02	.02	05

BIDS OPENED

SACRAMENTO CO., Cal.—Lord and Bishop, Box 355, Oroville, at $125,319 submitted low bid to the State Highway Commission, Sacramento, for widening existing arch bridge across American River about one mile north of Sacramento, and grading and surfacing approaches with Portland cement concrete pavement, in Sacramento County.

Complete bids follow:

(A) Lord & Bishop, Oroville, $126,-319.00.
(B) Bodenhamer Const. Co., Oakland, $149,776.00.
(C) M. B. McGokan, San Francisco, $158,434.00.
(D) Rocca & Caletti, San Rafael, $160-911.50.

Unit items follow:

(1) 200 cu. yds. rdwy. excav.;
(2) 2500 cu. yds. struc. excav.;
(3) 5700 cu. yds. impor. borrow;
(4) 5820 sq. yds. subgrade for pave.;
(5) 350 tons cru. gravel or stone bit. treat. borders;
(6) 18 tons cutback asphalt;
(7) 90 M. gals. water;
(8) 16,300 lin. ft. furnish steel piles including test piles;
(9) 442 each driving steel piles incl. test piles;
(10) 300 cu. yds. bridge concrete removed and disposed of;
(11) 540 cu. yds. bridge and approach surfacing removed and disposed of;
(12) 1235 cu. yds. Class A Port. cem. conc. pave.;
(13) 440 cu. yds. Class A Port. cem. conc. footing blocks;
(14) 832 cu. yds. Class A Port. cem. conc. arch rib;
(15) 135 cu. yds. Class A Port. cem. conc. railing;
(16) 1245 cu. yds. Class A Port. cem. conc. struc.;
(17) 1800 cu. yds. Class B Port. cem. concrete;
(18) 432,000 lbs. bar reinf. steel;
(19) 800 lin. ft. temporary railing;
(20) 22 stations finishing roadway;
(21) 5 each monuments complete in place;
(22) 1 lot lighting equipment complete in place;
(23) 1 lot miscellaneous items of work

	(A)	(B)	(C)	(D)
(1)	$ .50	$ .50	$ .65	$ 1.00
(2)	3.00	3.00	6.00	3.50
(3)	.40	.40	.80	.40
(4)	.10	.10	.15	.10
(5)	3.50	2.50	5.00	3.50
(6)	17.00	20.00	25.00	15.00
(7)	1.25	1.50	1.25	2.00
(8)	1.20	1.25	1.00	1.20
(9)	7.00	25.00	45.00	15.00
(10)	4.00	4.00	7.50	4.00
(11)	1.50	1.25	2.00	1.00
(12)	8.50	10.00	12.00	10.00
(13)	10.00	10.00	9.50	11.30
(14)	17.00	17.00	15.00	23.50
(15)	20.00	40.00	20.00	47.50
(16)	14.00	17.00	18.50	16.20
(17)	10.00	13.00	9.00	16.20
(18)	.044	.045	.04	.0435
(19)	.55	1.00	1.00	1.00
(20)	10.00	10.00	6.00	6.00
(21)	2.00	5.00	20.00	3.00
(22)	2500.00	2500.00	2000.00	3000.00
(23)	300.00	900.00	2374.00	4200.00

BIDS OPENED

SISKIYOU COUNTY, Cal. — Hemstreet & Bell, 501 11th St., P. O. Box, Marysville, at $48,361.35 submitted only bid to the State Highway Commission, Sacramento, for grading and surfacing about 7.5 miles in length, with crusher run base, between Moffett Creek and Forest House, in Siskiyou County, involving:

(1) 28,550 cu. yds. rdwy. excav., unclass.;
(2) 84,000 sta. yds. overhaul;
(3) 100 cu. yds. struc. excav.;
(4) 10,300 cu. yds. untreat. rru. gravel or stone surfacing;
(5) 156 sta. reshaping roadbed;
(6) 1225 M. gals. water;
(7) 1105 bbls. heavy fuel oil;
(8) 10 lin. ft. 8-in. conc. pipe, clean and relay;
(9) 28 lin. ft. 8-in. CMP;
(10) 4 lin. ft. 10-in. CMP;
(11) 258 lin. ft. 12-in. CMP;
(12) 36 lin. ft. 18-in. CMP;
(13) 56 lin. ft. 24-in. CMP;
(14) 122 lin. ft. 30-in. CMP;
(15) 52 lin. ft. 36-in. CMP;
(16) 398 sta. finish roadway.

(1)	$ .50
(2)	.01
(3)	2.00
(4)	2.25
(5)	5.00
(6)	2.00
(7)	2.95
(8)	1.00
(9)	1.00
(10)	1.25
(11)	1.40
(12)	1.90
(13)	2.75
(14)	3.50
(15)	6.50
(16)	5.00

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Building and Engineering News

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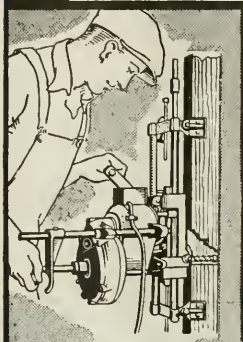
Unit Price Review

Vol. VII—No. 12

MARCH 24, 1934

WAPPAT Electric TOOLS



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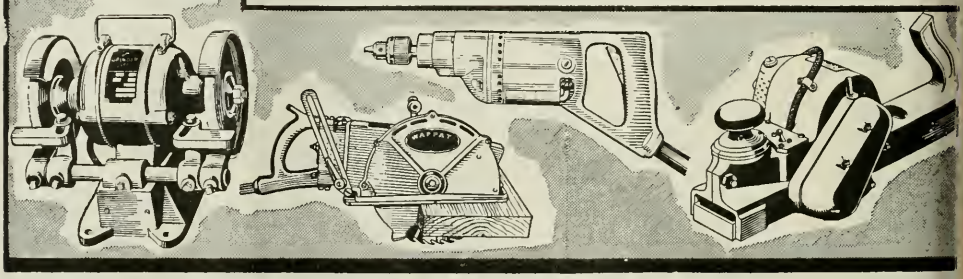

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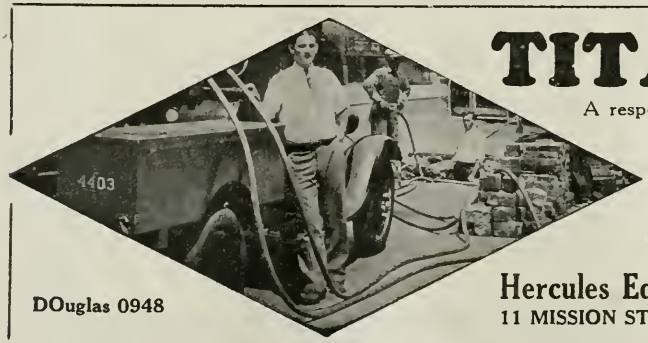

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Vol. XVII SAN FRANCISCO, CALIF., MARCH 24, 1934 No. 12

General Contractors' Code Effective; Local Administrative Boards Named

All general contractors today be-ome subject to provisions of the ieneral Contractors Code of Fair 'ompetition as approved by the 'resident February 17. Prepara-ions for administration of the code n Northern California insofar as it pplies to Heavy Engineering and ailroad contractors (Sub-division B) and Highway contractors (Sub-ivision II C) were completed at a ieeting in San Francisco Friday ight.

The meeting elected two admin-trative committees and by reso-ition approved the following pro-ram:

(1).—Establishing a levy of one-enth of one percent of the con-ract price on all contracts let af-er March 19 to be contributed to ie cost of code administration;

(2).—Designating Northern Cali-ornia chapter, Associated General ontractors, as the trade associa-on to represent general contrac-ors in this district in all code af-airs.

(3).—Authorizing Northern Cali-ornia chapter, Associated General ontractors, to be the representa-ve employer organization in all egotiations relating to hours and ages of labor affecting general ontractors.

A committee representing each ub-division was appointed. The olowing were named:

Highway Contractors: R. D. Wat-on, Chairman; J. W. Bell, H. S. ord, Clarence B. Eaton, A. S. ones, J F. Dowling and J. S. Cald-ell.

Engineering Contractors: Warren echtel, Chairman; R G. Clifford, uy F. Atkinson, Frank Modglin, ilton Moore, Ralph Keenan, Geo. alder, Fred F. Muhs and A. M. orton.

About a hundred and fifty contractors and others attended the dinner. R. D. Watson, president of Northern California chapter, A. G. C., presided. Floyd O. Booe, secretary-manager of the chapter, and members of the board of directors spoke briefly, outlining the contractors' responsibility under the new code which becomes effective today. Other speakers included Wesley O. Ash and Monson Dupre, both assistants to District Director of NRA Compliance George Creel. The representatives of NRA complimented the group on their prompt steps toward making the code operative and assured them of cooperation in adjustment of complaints and every assistance in making the industry effectively self-governing.

LAST CAISSON IS ANCHORED

The last caisson of the San Francisco-Oakland Bay Bridge to be placed under construction has been towed to site at Pier E-3, 1400 feet east of Yerba Buena Island.

This is the last caisson of the bridge, the other substructure work being of a steel cofferdam nature, it was reported by Chief Engineer C. H. Purcell.

This caisson, of the false-bottom type, will go to greater depths below water than any concrete has been placed heretofore, the final elevation of its cutting edge to be approximately -220.

It is 80 feet wide by 134 feet long, and has 28 dredging wells approximately 15 feet square.

This pier will be located at the eastern end of the 1400-foot cantilever span.

CODE AUTHORITY OF CONTRACTOR IS APPOINTED

Prepare Job Registration Blanks; Awards Liable to Levy

Members of the national Divisional Code Authority for General Contractors have been approved by NRA, according to a bulletin received yesterday by Floyd O. Booe, secretary of the Northern California A.G.C.

The members are:

Building Construction: W. F. Austin, W. E. Wood Company, Detroit; W. A. Klinger, W. A. Klinger, Inc., Sioux City; F. L. Shackelford, Potter & Shackelford, Inc., Greenville; A. C. Tozzer, Turner Construction Co., New York.

Heavy Construction and Railroad Contractors: E. T. Foley, Foley Brothers, Inc., Pasadena; Nick F. Helmers, Siems-Helmers., Inc., St. Paul; A. E. Horst, Henry W. Horst Co., Philadelphia; E. P. Palmer, Senior and Palmer Co., New York.

Highway Construction: J. B. Bray, W. W. Boxley & Co., Roanoke; W. C. Miller, W. C. & A. N. Miller Co., Washington; E M. Rust, Rust Engineering Co., Pittsburgh; Chas. H. Simpson, Municipal Paving & Construction Co., Nashville; R. B. Whidden Co., Boston.

A. E. Horst has been elected chairman, A. C. Tozzer, vice-chairman, E. J. Harding, secretary, E. M. Rust, treasurer.

The Associated General Contractors have been designated the registration agency for the Divisional Code Authority. The association will receive reimbursment for its services to the amount of not more than twenty percent of the amount from registration.

Registration forms are now in preparation and will be issued as soon as they have been approved by the Divisional Code Authority at a meeting March 24.

TWO ARCHITECTS MAKE SURVEY FOR EXPOSITION

Day and Kelham Appointed to Prepare Preliminary Report on Project

Architects W. P. Day and George Kelham have been commissioned to prepare preliminary plans and make cost estimates on the proposed 1937 exposition by which the bay cities will commemorate completion of the two bay bridges, it was announced yesterday.

John F. Fordes, chairman of the executive committee in charge of the celebration, made the announcement.

Five projects sites for the exposition, two in the Eastbay, will be considered by the architects. The Eastbay sites are at the Yerba Buena Shoals and land adjacent to the Key System trestle. The San Francisco sites are at Lake Merced, the Golden Gate Park and in the Islais Creek neighborhood.

The plans will be devised with special consideration of availability of transportation, absence of fog, cost of the site, and general topography, Fordes said. The architects have been asked to submit estimates of construction costs and revenue possibilities. Their survey will require about ten weeks, and $10,000 has been contributed toward its cost by industries and various agenices of the Eastbay and San Francisco, Fordes explained.

Seven Bid On Capital City Hall Addition

SACRAMENTO, March 22.—Four low bids submitted to the Sacramento City Council tonight for erection of a three-story reinforced concrete annex to the city hall were within a range of five hundred dollars. The low bid, by a margin of $50, was offered by Campbell Construction Co. at $67,776.

Complete total bids follow:

Compbell Const. Co., Sacramento	$67,776
H. W. Robertson, Sacto.	67,826
Azevedo & Sarmento, Sacto.	68,000
W. C. Keating, Sacramento	68,250
Betz & Yoho, Sacramento	73,200
Lindgren & Swinerton, Inc., San Francisco	75,634
H. L. Petersen, S. F.	76,000

The work is financed in part by a PWA grant. Plans are by Architect Harry Devine, Sacramento.

Bids April 5 On Roseville Water System

Bids on the first unit of the Roseville municipal water system are to be received by the city council Apr. 5, proposals being invited under three separate contracts as follows:

(1) Drilling and casing well;
(2) Furnishing 14,600 feet of cast iron pipe and fittings;
(3) Laying pipe.

The total estimated cost of the first unit is $20,000. It is being financed with money from the bond issue voted recently for development of a municipal system, either by acquisition of the existing privately-owned plant or by construction.

Plans were prepared by Baar & Cunningham, Spalding Bldg., Portland, Oregon.

Bids for purchase of the $250,000 bond issue are to be received on the same date.

The following minimum wage scale has been fixed for employes hired by contractors: Laborers, $4 per day or 50 cents per hour; truck drives, $4.80 per day or 60 cents per hour; pipe layers, $6.40 per day or 80 cents per hour; common labor foreman, $6.00 per day or 75 cents per hour; skilled labor foremen, $8 per day or $1.00 per hour; well drillers, $8.00 per day or $1.00 per hour; helpers, $4.80 per day or 60 cents per hour; trenching machine operators, $8.00 per day or $1.00 per hour.

Catucci Low On Air Field Runway Work

A low bid of $98,212 was submitted by J. Catucci, Oakland for grading runways and placing rock underfill at Benton Air Field, Alameda, the proposals being received yesterday by Capt. Leander Larsen, constructing quartermaster.

Other bids were submitted by Fredrickson and Watson Const. Co., Oakland, at $142,000 and by Heafey-Moore Co., Oakland, at $159,112.

Identical bids from eleven firms were received for furnishing and installing 4,660 lineal feet of chain link fence at the port. The drawing for recommended award was won by Stewart Iron Works.

RELIEF FROM TAX ON U. S. WORK ASKED

Five Hamilton Field Contractors to Test Sales Levy in Federal Court

Suit of five contractors on Hamilton Field buildings to enjoin the State Board of Equalization from collecting a sales tax on construction materials used in Federal projects will be heard by three judges of the Federal court in San Francisco March 28.

Plaintiffs in the action are Meyer Const. Co., Pacific States Const. Co. K. E. Parker Co., Frank J Reilly and Robert E McKee They are represented by Attorney Norman A. Eisner.

The contractors contend that collection of a state sales tax on materials used in federal construction projects is unconstitutional.

A decision in the case will affect millions of dollars in contracts for construction already started or pending in California which are financed by federal money. Levy of the state sales tax on federal projects has become one of the most disputed points in the administration of the act.

The State Board of Equalization has afforded exemption to purchases of materials and equipment by government agencies, including those sold for CWA projects. But it has held that a general contractor who is engaged in constructing a building for the government must pay a tax on materials he purchases. It has ruled also that projects financed in part by Public Works Administration grants are subject to tax.

Contractors have been unsuccessful in attempts to obtain exemption from the tax on such projects by appealing to the state board.

In the present action the plaintiffs ask:

(a) That the Sales Tax Act be declared unconstitutional;

(b) That imposition of a sales tax upon materials used in the performance of projects for the Government be declared unlawful;

(c) That imposition of a sales tax upon materials purchased for delivery on territory under exclusive jurisdiction of the Government be declared unlawful.

The suit will be heard by Judge Curtis Wilbur of the U. S. Circuit Court of Appeals, and Judges St Sure and Louderback of the U. S. District Court.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
143	Land	Owner	4000
144	Metzger	Bettancourt	1800
145	General	Cahill	6000
146	Maltby	Cavanaugh	24000
147	Lovoti	Oliva	2000
148	Segarini	West	1000
149	Eastern	Mooney	2800
150	Schaefer	Callaghan	1000
151	Simon	Owner	3000
152	Stanleys	Mullen	4000
153	Central	Owner	2000
154	Wood	Owner	1800
155	Taaffe	Kahlmann	1800
156	Kambic	Owner	1800
157	Olson	Owner	3500
158	Calif.	Wagner	4350
159	Ino	Jacks	7000
160	Bothin	Michel	1000
161	Standard	Standard	5000
162	Texaco	Salomon	3000
163	Fourth	Coburn	1000
164	Stelling	Clinton	8532

DWELLING
(143) W. TWENTY-SECOND AVE. 135 N Wawona St. One-story and basement frame dwelling.
Owner—Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given. $4000

ADDITION
(144) NO. 401 YERBA BUENA AVE. Add to dwelling.
Owner — Al. and Carla Graft Metzger. Premises.
Architect—Charles Strothoff, 2274 15th St., San Francisco.
Contractor—J. Bettancourt, 422 San Anselmo St., San Bruno. $1800

STORAGE BLDG.
(145) E NEWHALL ST. 38 S Carroll One-story frame storage building.
Owner—General Brewing Corp., 369 Pine St., San Francisco.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco. $6000

DWELLING
(146) N EL CAMINO DEL MAR 162 E Sea Cliff. Two-story and basement frame dwelling.
Owner—Mrs. C. L. Maltby, 2244 Vallejo St., San Francisco.
Architect—John White, Russ Bldg., San Francisco.
Contractor—O. L. Cavanaugh, 432 Occidental Ave., San Mateo. $24,000

ALTERATIONS
(147) NO. 2779 TWENTY-FIRST ST. Alter dwelling.
Owner—Silvio Lovoti, 2779 21st St., San Francisco.
Architect—Not Given.
Contractor—V. Oliva, 2160 Bryant St., San Francisco. $2000

ALTERATIONS
(148) NO. 1346-48-50 McALLISTER. Alter flats.
Owner—G. Segarini, 1350 McAllister St., San Francisco.
Architect—Not Given.
Contractor—G. West, 525 Page St., San Francisco. $1000

REPAIRS
(149) NO. 1520 GREEN ST. Repair fire damage to church.
Owner — Eastern Orthodox Society, 1520 Green St., San Francisco.
Architect—Not Given.
Contractor—W. J. Mooney, 68 Belcher St., San Francisco. $2800

ALTERATIONS
(150) NO. 680 SUTTER ST. Alter apartments and offices.
Owner—C. Schaffer, Premises.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $1000

FACTORY
(151) SE YOSEMITE 88 E Mendell St. One-story frame factory.
Owner—Simon Mattress Mfg. Co., 1777 Yosemite St., San Francisco.
Engineer—W. W. Hanscom, 848 Clayton St., San Francisco. $3000

ARLTERATIONS
(152) NO. 844 MARKET ST. Alter store.
Owner—Stanley's, 994 Market St., San Francisco.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rauch St., San Francisco. $4000

ALTERATIONS
(153) 2050 BRYANT ST.; alter garage.
Owner—Central Iron Works, 2050 Bryant Street.
Architect—J. A. Porporato, 619 Washington St. $2000

DWELLING
(154) E FORTY-FOURTH AVE 100 S Kirkham St. One-story and basement frame dwelling.
Owner—N. L. Wood, 2635 26th Ave., San Francisco.
Architect—Not Given. $1800

ALTERATIONS
(155) SE EVANS AND THIRD STS. Alter abbatoir.
Owner—William Taaffe & Co., Prem.
Architect—Not Given.
Contractor—H. E. Kahlmann, 111 Sutter St., San Francisco. $1800

STORE & FLAT
(156) SE POTRERO and Mariposa; 1-story and basement frame store and flat.
Owner—J. Kambic and F. Doherty, 500 San Bruno Ave. and 465 Utah.
Architect—Not Given. $1800

DWELLING
(157) NW 18th AVE. and Kirkham; one - story and basement frame dwelling.
Owner—Carl Olson, 1201 6th Ave.
Architect—Not Given. $3500

ALTERATIONS
(158) SW FIFTEENTH AND BRYant Sts. Alter factory.
Owner—California American Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco. $4350

REPAIRS
(159) NO. 45 UPPER TERRACE. Repair fire damage to dwelling.
Owner—E. K. Ino, 45 Presidio Terrace, San Francisco.
Architect—Not Given.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St. $7000

ALTERATIONS
(160) N HUNT ST. 160 E Third St. alter building, extension of canopy to be used as shelter.
Owner—Bothin Realty Co., 604 Mission St., San Francisco.
Architect—Not Given.
Contractor — Michel & Pfeffer Iron Works, Tenth and Harrison Sts., San Francisco. $1000

STATION
(161) NE TAYLOR AND JEFFERson Sts. One-story steel service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Architect—Not Given.
Contractor—Standard Oil Co., 225 Bush St., San Francisco. $5000

ALTERATIONS
(162) W VAN NESS AVE., bet. Post and Geary Sts. Alter sales room.
Owner—Texaco Co., 929 S-Broadway, Los Angeles.
Architect—Hugo K. Grat, 164 Plant Ave., St. Louis, Mo.
Contractor—L. Salomon, 1734 Broderick St., San Francisco. $3000

March 22, 1934

REPAIRS
(163) NO. 49 FOURTH ST. Repair fire dameg to offices.
Owner—Fourth and Market Realty Co. % Contractor.
Architect—Not Given.
Contractor,—Ira W. Coburn, 2048 Market St., San Francisco. $1000

STORE
(164) NE CHESTNUT & AVILA STS. One-story Class C store.
Owner—Martin Stelling Jr., 155 Montgomery St., San Francisco.
Architect—Francis E. Lloyd, 360 Pine St., San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Contractor — Clinton-Stephenson Construction Co., 550 Montgomery St. San Francisco. $8532

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
115	Anovich	Davis	4800
116	Shemanski	Bowen	2000
117	Sherman	Thrams	7990
118	Hammarberg	Owner	4700
119	College	Schnelder	82975
120	El Dorado	Independent	3000
121	Schwartz	Kopf	6350
122	Nagy	Merritt	2700
123	Morrison	Nerheim	2000
124	Thomas	Bradhoff	1800

DWELLING
(115) NO. 426 HAIGHT AVE., **ALAMEDA.** One-story 5-room frame and stucco dwelling.
Owner—Louis Anovich, 1539 Sixth St., Alameda.
Architect—Not Given.
Contractor — Stanley M. Davis, 640 Bancroft Ave., Oakland. $4800

STATION
(116) NO. 5905 SHATTUCK AVE., **OAKLAND.** One-story brick service station.
Owner — I. Shemanski, 1017 Market St., San Francisco.
Architect—Not Given.
Contractor—W. J. Bowen, 2486 Shattuck Ave., Berkeley. $2000

ALTERATIONS
(117) NO. 2011 SAN PABLO AVE., **BERKELEY.** Alterations to store and raise roof.
Owner — Max Sherman, 372 Santa Clara St., Berkeley.
Architect—Not Given.
Contractor — C. H. Thrams, 28 Home Place, Berkeley. $7990

DWELLING
(118) 4054 OAKMORE ROAD, **OAKLAND;** one-story 6-room dwelling.
Owner and Builder—Albert Hammarberg, 2340 LeConte Ave., Berkeley.
Architect—Not Given. $4700

DORMITORY
(119) 6172 CHABOT RD., **OAKLAND;** three-story concrete dormitory.
Owner—College of St. Albert the Great 6172 Chabot Road, Oakland.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—John H. Schnieder, 5621 Shafter Ave., Oakland. $82,975

TOWER
(120) FOOT OF ADELINE ST., **OAKLAND.** Steel elevator tower.
Owner—El Dorado Oil Works, Prem.
Architect—Not Given.
Contractor—Independent Iron Works, 821 Pine St., Oakland. $3000

ALTERATIONS
(121) NO. 1217-1221 BROADWAY, **OAKLAND.** Alterations.
Owner—H. Schwartz, San Francisco.
Architect — E. T. Foulkes, 357 12th St., Oakland.
Contractor—Ben F. Kopf, 846 Pacific Ave., Alameda. $6350

DWELLING
(122) NO. 5409-11 FOOTHILL BLVD., **OAKLAND.** One-story six-room dwelling and store.
Owner—Caroline Nagy, 1700 47th Ave., Oakland.
Architect—Not Given.
Contractor—Wm. Merritt, 1700 47th Ave., Oakland. $2700

STATION
(123) NO. 2700 SAN PABLO AVE., **OAKLAND.** One-story brick service Station.
Owner—Geo. R. Morrison, 3930 Lyman Road, Oakland.
Architect—Not Given.
Contractor—H. P. Nerheim, 3276 Arizona St., Oakland. $2000

DWELLING
(124) NO. 644 SPRUCE ST., **BERKELEY.** One-story 4-room frame dwelling
Owner—F. F. Thomas, 640 Spruce St., Berkeley.
Architect——J. H. Thomas, 31 Norwood Ave., Oakland.
Contractor—C. O. Bradhoff, 911 55th St., Oakland. $1800

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
32	Maltby	Cavanaugh	24000
33	Pacific	Lindgren	2219
35	Schosser	Cornely	2046
37	Timby	Filippis	768

DWELLING
(32) N EL CAMINO Del Mar 162 E Sea Cliff, being Lot 14 Blk. 1308 Map Sub. No. 3, Sea Cliff. All work for two-story and basement frame dwelling.
Owner—Mabel P. Maltby, 2240 Vallejo St., San Francisco.
Architect—John White, 406 Russ Bldg. San Francisco.
Contractor—Oscar L. Cavanaguh, 432 Occidental 9ve., San Mateo.
Filed Mar. 15, '34. Dated Mar. 14, '34.
Frame up $6000
Interior plaster finished 6000
On completion 6000
Usual 35 days 6000
TOTAL COST, $24,000
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(33) S CLAY 183-6 W Presidio Ave. W 34xS 127-8¼ W 801 or No. 3337 Clay St. All work for alterations, improvements and repairs to Apartment 5.
Owner—Pacific National Bank of San Francisco, Trustee and Olga D. Laib, co-trustee, for Theodor Dierks. z
Architect—Not Given.
Contractor—Albin C. Lindgren, 346 Lowell St., San Francisco.
Filed Mar. 19, '34. Dated Mar. 9, '34.
All work ready for plaster $554.75
Plastering completed 554.75
Completed and accepted 554.75
Usual 35 days 554.75
TOTAL COST, $2219.00
Bond, $2175. Surety, U. S. Fidelity & Guaranty Co.. Limit, 60 days. Forfeit $1 per day for each day work uncompleted after set date. Plans and specifications filed.

ALTERATIONS
(34 SE COR. SEVENTH and Minna Sts.; alterations to 3-story and basement frame building.
Owner—Thomas G. Taylor Company.
Architect—Noble and Archie T. Newsom, 1125 Russ Building.
Contractor—Young & Horstmeyer, 461 Market Street.
Filed Mar. 20, '34. Dated Mar. 13, '34.
Rough frame completed $720
Plastering completed 720
Contract completed 720
Usual 35 days 730
TOTAL COST, $2890
Bond, $2890. Sureties, American Bonding Co. of Baltimore. Forfeit, $5 per day. Plans and Spec. filed.

(35) N 16th 60 W Mission W 57 x N 110 E 25 N 50 E 32 S 160 MB 35; two-story and basement and part mezzanine Class A building with sub-sidewalk area.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, Phelan Building.
Contractor—E. A. Cornely, Inc., 1452 Bush Street.
Filed Mar. 20, '34. Dated Mar. 17, '34.
Payments on 1st & 15th of each month amounting to 75%
Usual 35 days 25%
TOTAL COST, $2,046.28
Plans and Specifications filed.

(36) NE CHESTNUT AND AVILA Sts. All work for one-story Class C store.
Owner—Martin Stelling Jr., 155 Montgomery St., San Francisco.
Architect—Francis E. Lloyd, 360 Pine St., San Francisco.
Contractor—Clinton-Stephenson Const. Co., Ltd., 550 Montgomery St.
Filed Mar. 21, '34. Dated Mar. 21, '34.
Fifth day of each month 75%
Nsual 35 days 25%
TOTAL COST, $8532
Bond, $8532. Surety, Glens Falls Indemnity Co. of Glens Falls, New York. Limit, 50 days. Forfeit, none. Plans and specifications filed.

WALL
(37) NO. 768 CAMINO DEL MAR, Sea Cliff. All work for concrete wall to enclose front garden of residence.
Owner—Henry E. Timby, Premises.
Architect—Bertz, Winter & Maury, 681 Market St., San Francisco.
Contractor—V. Filippis, 269 24th Ave., San Francisco.
Filed Mar. 21, '34. Dated Mar. 21, '34.
Upon completion $676
Usual 35 days 192
TOTAL COST, $768
Bond, $768. Surety, U. S. Fidelity & Guaranty Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt
16	Gray's	Koph	6450
17	Alaska	Kitchen	130366
18	Wilcox	Beckett	2895
19	Pacific	Thornally	786

(16) 1217-21 BROADWAY, Oakland; remodeling two stores.
Owner—Grays (A Corporation).
Architect—Edw. T. Foulkes, 2610 East 14th St., Oakland.
Contractor—Ben F. Koph, 845 Pacific Ave., Oakland.
Filed Mar. 17, '34. Dated Mar. 16, '34.
Sixth day of each month 75%
Usual 35 days ..... balance
TOTAL COST, $6450.00
Bond, $6450. Sureties, Fidelity & Casualty Co. of N. Y. Limit, 50 days. Plans and specifications filed.

(17) WEST SIDE Alaska Basin, Alameda; build docks and suspended concrete floor.
Owner—Alaska Packers Corp., premises.
Engineer—Phillip L. Bush.
Contractor—A. W. Kitchen & Co., 1101 Market St., San Francisco.
Filed Mar. 17, '34. Dated Mar. 15, '34.
10th of each month 75%
36th day after completion ..... balance
TOTAL COST, $136,366.00
Bond, $136,366. Sureties Fidelity and Casualty Co. of N. Y. Limit, Sept. 15, 1934. Plans and Spec. filed.

ALTERATIONS
(18) NO. 63 LINCOLN AVE., Piedmont. All work for alterations and additions to residence.
Owner—C. H. Wilcox, Premises.
Architect—Wm. E. Milwain, 1503 Oakland Ave., Piedmont.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.
Filed Mar. 21, '34. Dated Mar. 21, '34.
Frame up $723.25
When plastered 723.25
When completed 723.25
Usual 35 days 723.25
TOTAL COST, $2895.00.
Bond, $2895. Sureties, General Casualty Co. of America. Limit, 50 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(19) 2116 BANCROFT WAY, Berkeley. All work for alterations to building.
Owner—Pacific Tel. & Tel. Co., 140 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor—W. G. Thornally, 832 Paramount Road, Berkeley.
Filed Mar. 21, '34. Dated Mar. 21, '34.
On completion 75%
40 days after 25%
TOTAL COST, $786
Bond, $786. Surety, Pacific Indemnity Co. Limit, 15 days. Forfeit, none Plans and specifications filed.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Construction Postponed Temporarily.
APARTMENTS Cost, $40,000
SAN FRANCISCO. SW Beach and Webster Streets.
Three-story and basement frame and stucco apartment building (15 3- and 4-room apts.); composition roofing, steam heating system, tiled baths, electric refrigeration, canvas walls, oak floors, etc.
Owner and Builder—Thomas Quistad, 2100 North Point Street.
Architect—R. R. Irvine, 1849 Chestnut Street.

Work Started.
APARTMENTS Cost, $40,000
SACRAMENTO, Sacramento Co., Cal. SW 21st and W Streets.
Two-story and basement frame and stucco apartment bldg. (20 2- and 3-room apts.) tar and gravel roof, steam heating system, oil burner, hardwood floors, tile baths, etc.
Owner and Builder—Charles Mackrell, 1415 G St., Sacramento.
Engineer—Frank D. Talbott, Forum Bldg., Sacramento.

Planned.
APARTMENTS Cost, $——
VALLEJO, Solano Co., Cal. Alabama and Sacramento Streets.
Two-story frame apartment building.
Owner—Leo Walsh, Napa Road, Vallejo.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2219
SAN FRANCISCO. S Clay St. W Presidio Ave.
Alterations and additions to apartments.
Owner—Pacific National Bank of San Francisco.
Architect—Not Given.
Contractor — Albin C. Lindgren, 346 Lowell St., San Francisco.

3— CHURCHES

Sub-Bids Being Taken.
CHURCH Cost, $7000
RICHMOND, Contra Costa Co., Cal. Thirty-sixth St. and Macdonald Avenue.
One-story frame and stucco church (88 by 35 ft.) contain four classrooms, 2-car garage and five-room apt.); auditorium to have seating capacity of 200.
Owner—Church of Christ.
Architect—Not Given.
Contractor—F. C. Hosking, 541 Civic Center, Richmond.

4— FACTORIES & WAREHOUSES

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. Third, Fourth, Berry and Channel Streets.
Alterations to reinforced concrete warehouse.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Plans by Engineering Dept. of Owner (J. H. Christie in charge).
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Sub-Contracts Awarded
WAREHOUSE Cost, $18,000
OAKLAND, Alameda Co., Calif. Foot of 89th Avenue.
One-story steel warehouse.
Owner—Hazel Atlas Glass Co., foot of 89th Ave., Oakland.
Architect—Not Given.
Contractor—Larsen and Larsen, 629 Bryant St., San Francisco.
Excavating—J. Catucci, 1212 18th Ave., Oakland.
Lumber—Chas. Nelson Co., Oakland.
Plumbing—Feary & Moll, 1075 40th St. Oakland.
As previously reported, structural steel and steel sash contract awarded to Judson Pacific Co., foot of Park Ave., Oakland.

Miscellaneous Iron Contract Awarded
ADDITION Cost, $——
SANTA CLARA, Santa Clara Co., Cal. N-Eighth St., bet. Jackson and Taylor Sts.
One-story corrugated iron addition to packing plant (10,000 sq. ft. floor space).
Owner—Santa Clara Packing Company (Albert W. Beall, Pres.), Santa Clara.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Miscellaneous Iron—Engfer Iron Wks. 535 W. San Carlos St., San Jose.
Work is under way by day's labor by owner.

Grains Tank Bids Wanted.
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St. 100 N Bryant Street.
One-story steel and concrete mash house.
Owner — Milwaukee Brewery Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Bids are being received by Mr. Murray until March 24 for the grains tank. Bids will be asked in about three days for the conveyor, elevator and hopper. Other awards previously reported.

Plans Being Figured.
BREWERY Cost, $150,000
SANTA ROSA, Sonoma Co., Cal. Junction of College Ave. and N. W. P. R. R.
Two- and four-story brewery (120x92 feet), brew house, barrel house, shop, boiler room and garage, etc. (steel and concrete construction) 300 barrel per day capacity.
Owner—Sonoma Valley Brewing Corp. (Mr. Hanrahan in charge) 217 Exchange Bank Bldg., Santa Rosa.
Architect—Not Given.

Contract Awarded.
ADDITION Cont. Price, $24,603
SACRAMENTO, Sacramento Co., Cal.
Additions to milk distributing plant.
Owner—Dairy Delivery Company.
Architect — W. H. Toepke, 74 New Montgomery St., San Francisco.
Contractor—E. W. Book, 2911 H St., Sacramento.

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. SW Fifteenth and Bryant Streets.
Alterations to factory.
Owner—California American Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco.

Contract Awarded.
STORAGE BLDG. Cost, $6000
SAN FRANCISCO. E Newhall St. 38 S Carroll St.
One-story frame storage building.
Owner—General Brewing Corp., 369 Pine St., San Francisco.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.

SUB-CONTRACTS AWARDED
FORT LEWIS, Wash.—Nelsen Mortensen Co., 1021 Westlake Ave. North, Seattle, awarded the following subcontracts for the construction of two stables at Fort Lewis to cost $46,920: Structural and miscellaneous steel, Isaacson Iron Works; reinforcing steel, Pacific Coast Steel Co.; sand, gravel and cement, C. S. Barlow & Sons; overhead doors, Hardware Engineering Co.; lumber, Stringer Millwork Co., Olympia; glass and steel sash, Belknap Glass Co.; millwork, Dexter Millwork Co.; hardware, Contractors' Hardware Co.; sheet metal, Felix Sheet Metal & Roofing Co., Tacoma; roofing, Interlocking Tile Co.; painting, West Coast Painters.

Planned.
WINERY Cost, $125,000
WOODBRIDGE, San Joaquin Co., Cal. Eight-acre tract.
Co-operative winery (capacity of 10,000 tons of grapes).
Owner—Co-operative Winery (Colonel Walter E. Garrison, president).
Architect—Not Given.

March 17, 1934

Planned.
ALTER BLDG. Cost, $——
EMERYVILLE, Alameda Co., Calif. 45th and Horton Streets.
Remodel present manufacturing plant.
Owner—Apex-Rotarex Company (G. B. Schuyler, vice president) 40th and Adeline Sts., Oakland.
Architect—Not Given.

March 17, 1934

Planned.
DIST. PLANT Cost, $——
KING CITY, Monterey County, Calif. Broadway east of Canal Street.
Construct new distributing plant.
Owner—Seaside Oil Co., 5122 Atlantic Blvd., Los Angeles.
Plans by Engineering Dept. of Owner.

Planned.
IMPROVE PLANT Cost, $12,000
FRESNO, Fresno Co., Cal. No. 100 M Street.
Improvements to brewery (new cooperage, new brew filtering machine and labeling equipment, new brick building to house mash tun, etc.)
Owner—Fresno Brewing Co., Premises (A. B. McAlpine, Gen. Mgr.)
Architect—Not Given.

CONTRACT AWARDED
EL VERANO, Sonoma Co., Cal.—A. C. Land, Santa Rosa, at $1475.60 awarded contract by County Supervisors for constructing an equipment shed and tool house at El Verano.

Additional Sub-Contracts Awarded.
MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Pattitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Sprinkler System — Albertson McCormick Sprinkler Co., 865 Mission St., San Francisco.
Plumbing—Scott Co., 113 10th St., Oakland.
Other awards previously reported.

WINERY Cost, $50,000
VISALIA, Tulare Co., Cal. 32 Acre Tract.
Adobe, reinforced concrete winery (capacity of 500,000 gallons).
Owner—Mount Whitney Winery, Inc. (James Erkskine).
Architect—Not Given.
Contractor—F. W. Walker, Visalia.

5— FLATS

Contract Awarded.
FLATS Cost, $12,000
SAN FRANCISCO. N Filbert Street 100 E Franklin St.
Two - story and basement frame and stucco flat building (two 5-room flats) comp. roof, steam heating system, hardwood floors, tiled baths, canvas walls, etc.)
Owner—E. Besozzi, 1801 Hyde Street.
Architect—J. A. Porporato, 619 Washington Street.
Contractor—Fracchia & Truffelli, 2450 Chestnut Street.

Contract Awarded.
FLATS Cont. Price, $12,869
SAN FRANCISCO. Jefferson Street near Fillmore Street.
Two-story and basement frame and stucco flats (2 flats) tile and composition roof, gas fired steam heating system, canvas walls, tiled baths, etc.
Owner—Mr. Cotugna.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor—H. H. Isaac, 1738 Page St., San Francisco.

Contract Awarded.
FLATS Cont. Price, $31,138
SAN FRANCISCO. Fillmore St. near Marina Blvd.
Two two-story and basement frame and stucco flats 4 flats); tile and composition roof, gas fired steam heating system, canvas walls, tiled baths, hardwood floors, tile kitchens, social roome, etc.
Owner—S. Iacono.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor — H. H. Isaac, 1738 Page St., San Francisco.

6—GARAGES & SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, $3000
RICHMOND, Contra Costa Co., Cal.
Brick and concrete service station.
Owner—F. A. Golds, Napa.
Plans by Donald Crooks, 3831 Agua Vista St., Oakland.
Contractor—J. H. Tarman, 327 17th St., Oakland.

Contract Awarded.
SERVICE STATION Cost, $3000
OAKLAND, Alameda Co., Cal. No. 5905 Shattuck Avenue.
One-story brick service station.
Owner — I. Shemanski, 1017 Market St., San Francisco.
Architect—Not Given.
Contractor—W. J. Bowen, 2486 Shattuck Ave., Berkeley.

To Be Done By Day's Work.
ALTERATIONS Cost, $3284
OAKLAND, Alameda Co., Cal. Corporation Yard.
Alterations to Corporation Yard bldgs. (stucco exterior of building, painting sash, doors and interior; repair roof, reconstruct floor, steel sash, etc., alter garage, etc.)
Owner—City of Oakland.
Plans by Street Dept. of Owner.
Work will be done by day's labor under the CWA.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
SAN FRANCISCO. 2050 Bryant St.
Alterations to garage.
Owner—Central Iron Works, 2050 Bryant Street.
Architect—J. A. Porporato, 619 Washington Street.

Plans Being Figured.
SERVICE STATION Cost, $15,000
FRESNO, Fresno Co., Cal. Divisadero and H Streets.
Steel or concrete service station (six gasoline pumps, lubrication rack, battery, tire and accessory depts.)
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.

Planned
SERVICE STATION Cost, $5000
FRESNO, Fresno Co., Calif. NW Calaveras St. and Broadway.
Construct new service station.
Owner—Gilmore Oil Co., Third and 18th Sts., San Francisco.
Plans by Engr. Dept. of Owner (Ralph Clithero, district manager) Fresno.

Preparing Plans.
SERVICE STATION Cost, $6000
SAN FRANCISCO. NE Taylor and Jefferson Streets.
One-story steel service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, $6000
BERKELEY, Alameda Co., Cal. Shattuck and Ashby Avenues.
One-story brick service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.

Planned.
SERVICE STATION Cost, $——
REDWOOD CITY, San Mateo Co., Cal. Bayshore Highway and Main St.
Construct new service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

7—FEDERAL BUILDING

CONTRACT AWARDED
BOISE, Idaho — Smythe & Co., 1416 F St., N. W., Washington, D. C., awarded contract by Treasury Department March 14, at $14,774 for repairs to the United States assay office at Boise.

TO SELECT SITE
KINGMAN, Ariz.—Treasury Department has selected a site for the U. S. post office to be erected in Kingman. The sum of $44,000 has been appropriated for the project.

Metallic Waterproofing Contract Awarded
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO Civic Center.
Five - story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor — Great Lakes Const. Co., 333 N. Michigan Ave., Chicago.
Metallic Waterproofing—Aristo Painting Co., 473 Bryant Street.
Other awards previously reported.

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on April 25, for extension to storehouse at the Naval Fleet Air Base (Ford Island), Pearl Harbor. The work includes concrete and hollow tile construction, steel and iron work, steel windows, pressed metal, metal covered and steel rolling doors, metal partitions, built-up roofing, stucco, refrigerated drinking fountain, and plumbing and electrical sycsems. Spec. No. 7594:
U. S. Steel Products Co., 30 Church St., New York City.
Yale Towne Mfg. Co., Stanford, Conn.
Belmont Iron Works, 2215 Washington Ave., Phila.
Plans and specifications obtainable from the Bureau or from Commandant, 14th Naval District, Navy Yard, Pearl Harbor, or from the Commandant, 12th Naval District, 100 Harrison St., San Francisco. Deposit of a check or postal money order for $15, payable to the Chief of Bureau of Yards and Docks, is required as security for the safe return of the drawings and specifications. Norman M. Smith, Chief of Bureau.

PROSPECTIVE BIDDERS
HAMILTON FIELD, Marin Co., Cal. —Following have procured plans for the purpose of submitting blds to the Constructing Quartermaster, Hamilton Field on March 28, 11 A. M., for the construction of seven one-story bungalow type hollow tile Company Officers' quarters (Type "H") at Hamilton Field:
Soule Steel Co., 1750 Army St., San Francisco.
C. L. Wold, 4416 Fulton St., San Francisco.
Armstrong Electric Co., 1388 Van Ness Ave. South, San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
J. J. McDermott, 2401 U St., Sacramento.
M. J. Reeves Heating Co., 959 Natoma St., San Francisco.
D. Evans.
Harry E. Drake, 666 Mission St., San Francisco.
Leibert & Trobock, Rialto Bldg., San Francisco.
Meyer Constr. Co., 727 Portola Dr., San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco.
Scott Co., 243 Minna St., San Francisco.
J. A. Fazlo, 401 Castro St., San Francisco.
Edgar W. Anderson, 3103 San Pablo Ave., Oakland.
American Electric Co., 465 Bryant St., San Francisco.
San Francisco Constr. Co., 3159 Fillmore St., San Francisco.
W. Olsen & Sons, 617 I St., Petaluma.

Concrete Engineering Co., 1450 Mirasol St., Los Angeles.
Richmond Sheet Metal Works, 248 17th St., Richmond.
Anchor Post Fence Co., 460 5th St., San Francisco.
Associated Hardware Co., 3862 San Pablo Ave., Oakland.
Corry Jamestown Mfg. Co., Corry, Penn.

BIDS WANTED

SAN FRANCISCO—Until March 29, 10 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for remodeling the offices of the Corps Area Quartermaster, Ninth Corps Area Headquarters Building, Presidio, San Francisco. Plans and specifications available from above office upon deposit of $5.

CONTRACT AWARDED

BEND, Oregon—Neuman Bros., McMinnville, Oregon, at $1069 awarded contract by Treasury Department for plaster painting at the Bend Post Office.

PROSPECTIVE BIDDERS

ALHAMBRA, Los Angeles Co., Cal. —Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on April 6, for the construction of a two-story reinforced concrete Post Office building on South Garfield Ave., Alhambra. John Walker Smart, 39 E. Main St., Alhambra, Architect. Cost $165,000.
Joseph Hub 1247 Hermes Ave., Los Angeles.
H. Mayson, 9317 Hooper Ave., Los Angeles.
Los Angeles Constructing Co., 4816 W. Pico Blvd., Los Angeles.
Alliance Engineering Co., Inc., 656½ S. Western Ave., Los Angeles.
Robert E. McKee, 1128 Central Bldg. Los Angeles.
Easton & Messer, 4822 N. Jefferson Blvd., Los Angeles.
Libby & Libby, 242 2nd Ave., South Minneapolis, Minn.
Bannister Field Co., Ltd., 4101 Goodwin Ave., Los Angeles.
Theo. A. Beyer Corp., Chamber of Commerce Bldg., Los Angeles.
Herbert M. Baruch Corp., 625 S. Olive St., Los Angeles.
S. W. Rindfleisch, 220 N. Broadway Milwaukee, Wisc.
A. Smith & Co., 100 N. La Salle St., Chicago.
Andy Sordal, 722 Magnolia Ave., Los Angeles.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.
Theriault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.
Sarver & Zoss, 1015 4th St., W. Los Angeles.

SITE SELECTED

TORRANCE, L. A. Co., Calif.—Treasury Department has selected property on the north side of Marcelina Ave., between Sartori and Cravens Aves., Torrance as the site for the United States post office to be erected in that city. The site covers an area for 93x155 feet. The sum of $63,000 has been allocated for the project.

BIDS WANTED

PORT TOWNSEND Wash.—Until April 23, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of buildings, boat basin, Wharf, etc., including grading at the U. S. Quarantine Station, Port Townsend, Washington. Plans and specifications available from above office upon deposit of $25.

Preliminary Plans Completed.

ALTERATIONS AND ADDITION Cost, $90,000
SANTA CRUZ, Santa Cruz Co., Cal. Water and Front Sts.
Reinforced concrete annex to Post Office building and alterations to present structure (29,859 feet of floor space).
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

EQUIPMENT APPROVED

TECATE, San Diego Co., Calif.—Treasury Department has approved the following equipment awarded for the construction of the inspection station at Tecate:
Associated Constructors, 1226 La-Salle St., Chicago, general contractors. Tube radiators to Utica Radiator Co.; non-conducting covering for plumbing and heating to Johns-Manville Co.

CONTRACT AWARDED

VALLEJO, Solano Co., Cal.—Industrial Iron Works, 1350 34th St., Oakland at $635 awarded contract by Post Office Department for the erection of an iron fence around he Federal Bldg. at Vallejo.
Complete bids published March 1.

CONTRACT AWARDED

SAN FRANCISCO. — Westinghouse Electric Manufacturing Co., 166 7th St., at $1,950 awarded contract by the Treasury Department for replacement of controller and car switcher on 4-passenger elevator at the San Francisco post office.

SITE SELECTED

OCEANSIDE, San Diego Co. ,Cal.—Treasury Dept. has selected property at the southwest corner of First and Freeman Sts., Oceanside, as the site for the U. S. post office building to be erected in that city. The site covers an area of 100x150 feet. The sum of $55,000 has been appropriated for the project.

8— CLUB BUILDINGS

Contract Awarded.

REBUILD LODGE, ETC. Cost, $——
GRASS VALLEY, Nevada Co., Calif. Mill and Neal Streets.
Rebuild lodge and office building.
Owner—Sam Jones & Arthur Gill Estate, Grass Valley.
Architect—Not Given.
Contractor—Paul Jenks, Grass Valley.

Contract Awarded

CLUB HOUSE Cost, $——
MENLO PARK, San Mateo Co., Calif.
One-story frame and stucco club house (tile roof).
Owner—Menlo Circus Club.
Architect—G. Albert Lansburgh, 140 Montgomery St., San Francisco.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.

9— HOSPITALS

CONTRACT AWARDED

AGNEW, Santa Clara Co., Calif.—Michel & Pfeffer Iron Works, tenth and Harrison Sts., San Francisco, at $240.00 awarded contract by the State Purchasing Department, Sacramento, for furnishing window and porch guard rails at the Agnew State Hospital. Complete bids published March 13th.

BIDS WANTED

SAN FRANCISCO—Until April 17, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Estimated cost $12,000. Plans and specifications available from above office.

To Be Done By Day's Work.

ADDITION Cost, $——
SANTA CLARA, Santa Clara Co., Cal.
Addition to sanitorium (children's section with capacity of 14 beds; nurses' utility room, lavatory, shower; 2 five-bed wards, etc.)
Owner—Santa Clara Sanitorium (Dr. Charles L. Iaane, Medical Director).
Architect—Not Given.
Work will be done by day's labor under the CWA.

Contract Awarded

HOSPITAL Cont. Price, $55,300
REDDING Shasta Co., Calif.
Two-story reinforced concrete hospital (24x36 ft.) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco, $12,284.
Electric—Cox Electric Co., Red Bluff, $4,970.
Heating and Ventilating—Carpenter & Mendenhall, 907 Front St., Sacramento, $8,680.
Complete bids published March 6.

CONTRACT AWARDED

HANFORD, Kings Co., Cal.—Poindexter & Skoegard, Lemoore, at $557.08 awarded contract by County Supervisors for furnishing lawn sprinkling system at the County Hospital, Hanford.

BIDS WANTED

SAN FRANCISCO. — As previously reported, until April 17, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Estimated cost, $12,000.
Plans and specifications may be obtained from above office and one set is on file in the office of the Construction Engineer, Room 113, Marine hospital and may be inspected by those interested but not removed from the office.

REVISED BID

FORT STANTON, New Mexico.—Olson Const. Co., Lincoln, Neb., has revised their bid for the construction of a hospital building at Fort Stanton, to read as follows:
(1) $267,100; (2) $300,050; (3) add $4400
Their bids were previously reported as (1) $260,000; (2) $290,000; (3) $5,000.
The A. M. Sundt Const. Co., Tucson, Arizona, are low bidders at (1) $261,465; (2) $290,092; (3) $4,512.

10— HOTELS

Sub-Contracts Awarded.

REMODEL HOTEL Cost, $——
SAN FRANCISCO. Geary and Taylor Streets.
Extensive remodeling to hotel (new furnishings, plumbing, mechanical equipment, etc.)
Owner—Allied Properties (Clift Hotel) Allan Pollack, Manager.
Architect—G. Albert Lansburgh, 140 New Montgomery Street.
Contractor—Barrett & Hilp, 918 Harrison Street.
Electric—Radelfinger Bros., 544 Natoma Street.
Plumbing, Heating and Ventilating—J. A. Nelson, 10th and Howard Streets.

11—ICE AND COLD STORAGE PLANTS

March 17, 1934

Planned.
COOLING PLANT Cost, $——
TURLOCK, Stanislaus Co., Cal. Lander Ave. near Tidewater railroad tracks.
Concrete refrigerating plant (storage cooling room, 15x40 ft. and room. 15x27 ft.)
Owner—Olin Applegate (Turlock Refrigerating Co.) Turlock.
Architect—Not Given.

BIDS WANTED
TUCSON, Ariz.—Until 2 P. M., Apr. 13, bids will be received by Veterans' Administration Facility, Tucson, for furnishing one forced draft, motor-driven, closed type recooling tower.

CONTRACT AWARDED
PHOENIX, Ariz.—Gay Engr. Corp. of California, 2650 Santa Fe Ave., Los Angeles, awarded contract for installing an air conditioning system in a bank and office building at Phoenix for the First National Bank of Arizona. Cost, $20,000. Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, architects. Roy M. Quackenbush, engineer.

12— POWER PLANTS

CONTRACTS AWARDED
....ALCATRAZ ISLAND, Cal.—The following contracts were awarded by the Department of Justice, Bureau ot Prisons, Washington, D. C., for furnishing and installing steam turbine generator, gasoline engine, emergency generators, switchboard, panels and wiring at the U. S. Penitentiary, Alcatraz Island, Schd. No. 908:
(1) Steam turbine generator.
(2) Gasoline engine emergency generator.
(3) Switchboard and panels.
(4) Wiring.
Enterprise Elec. Works, 1164 Mission St., at $22,260 (Items 1, 3 and 4).
Le Roy Co., 660 60th Ave., Milwaukee, Wisc. at $4716 (Item 2).
Complete bids follow:
West Coast Electric Works, Ltd., San Francisco, (lump sum all or none), (Item 1) $8690; (Item 2) $4908; (Item 3) $5659; (Item 4), $9010; Lump Sum. $27,900.
Alta Elec. & Mechanical Co., San Francisco, (lump sum, all or none) (1) $8500; (2) $5987; (3) $5357; (4) $8820; lump sum, $28,664.
Star-Delta Elec Works, San Francisco (1) $8915; (2) $5919; (3) $5615 (4) $8712; lump sum, $29,161.
H. S. Tittle Co., San Francisco, (1) $9765; (2) $6520; (3) $5700; (4) $8,780; lump sum, $30,765.
The Enterprise Electric Works, San Francisco, (1) $8592; (2) $5900; (3) $5351; (4) $8718; lump sum, $30,975.
Ne Page-McKenney Co., San Francisco (1) $9387; (2) $6052; (3) $5164; (4) $9126; lump sum, $33,565.
Chas. A. Langlais, San Francisco, (1) $12,225; (2) $6928; (2) $5662; (4) $8900; lump sum, $33,175.
Severin Electric Co., San Francisco, (1) $12,440; (2) $7991; (3) $6430; (4) $8990; lump sum, $35,851.
T. L. Rosenberg Co., Oakland, (1) no bid; ((2) no bid; (3) $5593; (4) $9,726; no lump sum.
Jones Gas Process Corp., San Francisco, (1) $9900; (2) $6600; (3) $3,400; (4) no bid; no lump sum.
King Knight Co., San Francisco, (1) non bid; (2) $5970; (3 and 4) no bid; no lump sum.
Westinghouse Elec. Mfg. Co., Washington, D. C., (1) $11,365; (2) $7235 (3 and 4) no bid; no lump sum.
Le Roy Co., San Francisco (1) no bid; (2) $4716; (3 and 4) no bid; no lump sum.

Plans Being Prepared.
POWER PLANT Cost, $225,000
PULLMAN, Washington. University of Washington.
One-story steel and reinforced concrete power plant (brick and tile panel walls, concrete roof slab, built-up roof, 2 large boilers, machinery & equipment).
Owner—University of Washington.
Architect—Stanley A. Smith, Pullman
Engineer—Howard Landgon, Pullman.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed
ALTERATIONS Cost, $40,000
WEAVERVILLE, Trinity Co., Calif.
Alterations and additions to present two - story brick court house and construction of two-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)
Owner—County of Trinity.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Bids will be asked in about 2 weeks.

To Be Done By Day's Work.
ALTERATIONS Cost. $92,000
OAKLAND, Alameda Co., Cal. Municipal Auditorium.
Alterations to municipal auditorium. (work involves painting, decorating repair work, reconstruction work, remodeling, heating and ventilating system, reconstruct roof and mechanical equipment, etc.)
Owner—City of Oakland.
Plans by Street Dept. of Owner.
Work will be done by day's work under the CWA.

Plans Being Figured—Bids Close Mar. 29th.
FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal. Vallejo Way and Freeport Blvd.
Brick fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.

Bids Wanted—To Close April 17, 2 P. M.
LIBRARY Cost, $450,000
SEATTLE, Washington.
Three-story Class A concrete and structural steel library brick facing, cast and natural stone, slate composition roofing, acoustical treatmet, steam heating, concrete slab, blackboards, cork tile, fire doors, tile, linoleum, hollow tile iron stairs ornamental iron temperature regulators, fan ventilators, ornamental plaster, intercommunicating telephones, steel sash, vacuum cleaners, etc.
Owner—University of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Structural Engineer— E. C. Anderson.
Mechanical Engineer—Lincoln Bouillon, 1411 4th Ave. Bldg., Seattle.
Plans and specifications available from architect upon deposit of $25. Applications will not be accepted after March 26.
Bids are being taken for a general contract (including painting), heating, ventilating and sanitary system, electric wiring, elevators and bookstacks.

Work Started.
REPAIRS Cost, $——
RICHMOND, Contra Costa Co., Cal.
Repairs and improvements to City Hall (work includes painting, plastering, etc.)
Owner—City of Richmond.
Architect—Not Given.
Work is being done by day's labor under the CWA.

BOND ELECTION
CASA GRANDE, Ariz.—Casa Grande will hold an election April 16 at which time it is proposed to vote bonds in the sum of $15,000 for financing a new city hall in Casa Grande. The city has applied for a public works loan and grant totaling $20,700.

CONTRACT AWARDED
SAN LEANDRO, Alameda Co., Cal —As previously reported, Maxwell Hardware Co., 1320 Washington St. at $1,429 awarded contract by County Supervisors for furnishing and installing fixtures in the San Leandro Veterans' Memorial Building. Henry H Meyers, Kohl Bldg., San Francisco architect.
The address of the Roberts Lighting Fixture Co., one of the bidders, was given as San Francisco, which was in error and should have read Oakland Complete bids published March 21.

Prospective Bidders.
FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal Vallejo Way and Freeport Blvd.
One-story brick fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Following have procured plans. Bids open March 29, 8:15 P. M.
Betz & Yoho, 1017 43rd St.
L. F. Gould, 1623 O St.
Thomas B. Hunt, 1510 30th St.
George W. Kopp, 1514 15th St.
H. W. Robertson, 3004 F St.
W. C. Keating, 1121 24th St.
Azevedo & Sarmento, 920 O St.
Chas. F. Unger, 4532 G St.
H. C. Martin, 1417 19th St.
All of Sacramento.
Plans and specifications available from H. G. Denton, City Clerk, Rm 203, City Hall, Sacramento, or from the office of the City Engineer.

14— RESIDENCES

Contract Awarded
RESIDENCE Cost, $475
FRESNO, Fresno Co., Calif. California and Peach Avenues.
One-story frame residence and equipment building.
Owner—United States Government.
Plans by Engr. Dept. of U. S. Dept. of Agriculture.
Contractor—Taylor - Wheeler, Inc. Power Co. Bldg., Fresno.
Building is to be constructed for Elmer Snider, Supt. of the U. S. Agricultural Experiment Station, Fresno

Plans Being Figured — Bids Close March 29.
RESIDENCE Cost, $——
WINTERS, Yolo Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Harry Brink.
Architect—Bertz, Winter & Maury Monadnock Bldg., San Francisco.
Clinton-Stephenson Constr. Co., 55 Montgomery St., San Francisco, are figuring the plans and desire sub-bids on all portions of the work.

Construction To Start Shortly.
RESIDENCES Cost, $——
OAKLAND, Alameda Co., Cal. Oakmore Road and Leimert Blvd.
Two two-story frame and stucco residences (6 rooms each).
Owner—Not Given.
Architect—Not Given.
Contractor—A. H. Monez, 4350 Bridge View Drive, Oakland.

Contract Awarded.
RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 3 baths); English type, shingle roof,

gas heating system, hardwood floors, tiled baths, etc.
Owner——Mr. Niles.
Architect—Charles K. Sumner, Deckeroak Bldg., Palo Alto.
Contractor—E. J. Schmalling, 863 Melville Ave., Palo Alto.

Sub-Contracts Awarded.
RESIDENCES Cost, $10,000 each
PIEDMONT, Alameda Co., Cal. Piedmont Estates.
Two two-story frame and stucco residences (7 rooms each).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston St., Berkeley.
Mill Work—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Concrete Work—Triberti & Massaro, 957 38th St., Oakland.
Plumbing—J. R. Pierce Plumbing Co., 7109 E-14th St., Oakland.
Roofing—Marshall Shingle Co., 3729 Telegraph Ave., Oakland.

Contract Awarded.
REPAIR RESIDENCE $7000
SAN FRANCISCO. No. 45 Upper Terrance.
Repair fire damage to residence.
Owner — E. K. Ino, 45 Presidio Terrace, San Francisco.
Architect—Not Given.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St., S. F.

BIDS WANTED
HAYWARD, Alameda Co., Cal.—Until April 4, 8 P. M., bids will be received by M. B. Templeton, City Clerk, Hayward City Hall, for asphalt mastic levelling course and a rubber tile floor covering for the City Hall auditorium, Hayward. Plans and specifications may be obtained from above office or from City Engineer, John A. Mancini, upon deposit of $5.

Low Bidder.
RESIDENCE Cost, $——
LOS ALTOS, Santa Clara Co., Calif.
Two - story and basement frame residence (13 rooms, 4 baths) wood exterior, plaster interior, shake roof, gas oil burner heating system, hardwood floors, etc.
Owner—Mr. Pershing.
Architect—Leslie J. Nichols, Palo Alto
Low Bidder—Arthur Payne, 219 Jeter St., Redwood City.

Bids Opened
ADDITION, ETC. Cost, $4000
SAN JOSE, Santa Clara Co., Calif. Palm Haven.
Alterations and additions to residence (one-story frame and stucco addition, 2 baths, tile roof, gas heating system, etc.)
Owner—Mrs. Harold Stern, Palm Haven, San Jose.
Architect—William Higgins, 19 North Second St., San Jose.
Low Bidder—J. Burkes, 156 S 23rd St., San Jose.
Following bids received:

J. Burkes, San Jose	$3,672.49
C. F. Keesling	3,675.00
W. M. Caldwell	3,775.45
Jos. Santi	3,921.00
J. M. Scherle	3,933.00
M. W. Reese	3,975.00
M. Neilsen	4,060.00
Gibson & Wheeler	4,168.50

Bids held under advisement.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 1106 El Centro Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner—A. Christensen.
Architect—Not Given.
Contractor—Chas. Anderson, 3917 Park Blvd., Oakland.

Contract Awarded.
ADDITIONS Cost, $1800
SAN FRANCISCO. 401 Yerba Buena Avenue.
Alterations and additions to one-story and basement frame and stucco residence.
Owner—Adrian and Carla G. Metzger, 401 Yerba Buena Avenue.
Architect—Chas. Strothoff, 2274 15th Street.
Contractor—Jos. Bettancourt, 422 San Anselmo St., San Bruno.

Bid Opening Date Postponed Until April 3, 2 P. M.
COTTAGE Cost, $——
AGNEW, Santa Clara Co., Cal. State Hospital.
One-story frame physician's cottage (concrete foundations, stucco exterior walls, tile roof, plumbing, seeam heating system, eelectrical work, etc.)
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
The date of opening bids was postponed due to change in wage scale in official proposal.
Plans and specifications available at the office of the Division of Architecture, Public Works Building, Sacramento, or at Room 803, California State Bldg., Los Angeles, upon deposit of $25.00.

Contract Awarded.
RESIDENCE Cost, $24,000
SAN FRANCISCO. N El Camino del Mar 162 E Sea Cliff.
Two-story and basement frame and stucco residence.
Owner—Mabel P. Maltby, 2244 Vallejo St., San Francisco.
Architect—John White, 406 Russ Bldg. San Francisco.
Contractor—Oscar L. Cavanaugh, 432 Occidental Ave., San Mateo.

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co., Cal.—G. R. Tifal Co., Ltd., 903 La Cienega, Los Angeles, awarded contract for alterations to a residence at 809 N. Hillcrest Road, Beverly Hills, for William Powell. Plans prepared by Architect J. E. Dolena, 9397 Wilshire Blvd., Beverly Hills. Frame construction, shingle and copper roofing, oak flooring, ornamnetal plastering, insulating, monel metal in kitchen, fur cabinet, ornamental iron work, tile and marble work, flood lights, signal system, intercommunicating phone system, Sanitas walls, painting and decorating, swimming pool and pavilion. Estimated cost $60,000. 14

Contract Awarded.
RESIDENCE Cost, $5000
ALAMEDA, Alameda Co., Cal. No. 426 Haight Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—Louis Anovich, 1539 6th St., Alameda.
Architect—Not Given.
Contractor — Stanley M. Davis, 640 Bancroft Ave., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN FRANCISCO. W Twenty-second Ave. 135 N Wawona St.
One-story and basement frame and stucco residence.
Owner and Builder—Land Development Co., 364 Bush St., San Francisco.
Plans by Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
SAN LEANDRO, Alameda Co., Calif. Arbor Drive near Dutton Avenue.
Two 1½-story frame and stucco residences (7 rooms each).
Owner and Builder—Ernest W. Urch, 1924 50th Ave., Oakland.
Architect—Not Given.
Painting—W. E. O'Brien, 2151 Buena Vista, Alameda.
Roofing—Carmisa Bros., 1217 Central Ave., Alameda.
Heating and Sheet Metal—California Furnace Co., 4801 East 14th St., Oakland.
Electric—Pine Electric Co., San Leandro.

Preparing Plans.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif.
Two-story frame and stucco residence.
Owner—J. S. S. Moyer.
Plans by Mr. Altermatt.
Contractor—J. F. Altermatt, 1911 Walnut St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. Fernside Drive.
Two-story frame and stucco residence (English type).
Owner—D. Barnett, 1714 Myrtle St., Alameda.
Architect—Not Given.
Contractor—Ernest W. Urch, 1924 50th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $3500
BERKELEY, Alameda Co., Cal. Cragmont.
One-story frame cottage, shake exterior, shingle roof.
Owner—N. A. Thomas, 2719 Dwight Way, Berkeley.
Architect—John H. Thomas, 31 Norwood Drive, Berkeley.
Contractor—C. O. Bradhoff, 911 55th St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 3715 Elston Avenue.
One - story and basement frame and stucco residence (Spanish style; 6 rooms, 2 baths, part tile and part composition roof, gas heating system, hardwood floors, etc.)
Owner and Builder—J. W. Scammell, foot of Ninth Ave., Oakland.
Architect—Not Given.
Roofing—M. & L. Roofing Co., 9221 Foothill Blvd., Oakland.
Lumber—Scammell Lumber Co., foot of 9th Ave., Oakland.
Concrete Material — Melrose Building Material Co., 4501 Tidewater Ave., Oakland.
Brick—Chas. Hummer, 2221 34th Ave., Oakland.
Electric—F. W. Parkhurst, 6432 Pinehaven Road, Oakland.
Frames—C. W. Carman, 1740 E 21st St., Oakland.
Plumbing—W. P. Rouse, 3606 Ardley Ave., Oakland.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Heating—Atlas Heating & Ventilating Co., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $7000
SAN JOSE, Santa Clara Co., Calif. S Shasta Avenue.
Two-story brick veneer residence.
Owner—Joseph and Marie Giverder.
Architect—William Higgins, 19 N 2nd St., San Jose.
Contractor—N. J. Nielsen, 1270 Iris Court, San Jose.
Mill Work—Pacific Manufacturing Co. Santa Clara.
Lumber—Minton Co., Mountain View.
Plumbing—Wm. Ehlert, 956 The Alameda, San Jose.
Wiring—Roy M. Butcher, 1020 Sherwood Ave., San Jose.
Roofing—F. Hayden, 369 Stockton Ave. San Jose.
Brick Work—Frank Filben, 1140 Martin Ave., San Jose.

Tile Work—Simpson Tile Co., 46 W. Julian St., San Jose.

Sub-Contracts Awarded
RESIDENCE Cost, $6500
SAN JOSE, Santa Clara Co., Cal. 32 Ayer Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner—C. T. Arthur, 18 Norton Ave., San Jose.
Architect—Not Given.
Contractor—Wm. H. Schwartz, 521 S 8th St., San Jose.
Excavation—E. Keeble, Monterey Rd., San Jose.
Concrete Work—Pyle Bros., 1404 Jonathan, San Jose.
Plumbing, Sheet Metal and Heating—C. L. Snyder, 98 E Santa Clara St., San Jose.
Steel Sash—East Bay Glass Co., 418 S Market St., San Jose.
Glass and Glazing—East Bay Glass Co. 418 S Market St., San Jose.
Tile Roof—Farmers' Union, 151 West Santa Clara St., San Jose.
Lumber and Mill Work—Minton Lumber Co., 599 Front St., Mt. View.
Electric Wiring—Shottenhamer Elec. Service, 696 S 5th St., San Jose.
Sub-blds are being taken on plastering, inside tiling, brick work and roll screens.

Lumber Contract Awarded
RESIDENCE Cost, $15,000
SAN ANSELMO, Marin Co., Calif.
Two - story and basement frame and stucco residence (10 rooms and 3 baths) modernistic type, composition roof, wood and stucco exterior, oil burner, warm air heating system, tile baths, etc.
Owner—Dr. Mary H. Lyman, Stanford University Hospital, San Francisco
Architect—Hervey P. Clark, 210 Post St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.
Lumber—Smith Lumber Co., 19th and Estuary, Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 4054 Oakmore Road.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—Albert Hammarberg, 2340 LeConte Ave., Berkeley.
Architect—Not Given.

Owner To Ask Bids
RESIDENCE Cost, $5000
KENSINGTON COURT, Contra Costa Co., Calif.
One - story and basement frame residence (5 rooms) shake roof, shake exterior, brick veneer base, knotting pine, plywood, gas heating system, etc.
Owner—George Matteson, 2620 Hillegass, Berkeley.
Plans by Irwin M. Johnson, 2215 7th Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal. Leimert Boulevard.
Two - story and basement frame and stucco residence (8 rooms and 3 baths) tile roof, tiled baths, gas heating system, hardwood floors.
Owner and Builder—Geo. Smith, 2543 21st Ave., Oakland.
Architect—Irwin M. Johnson, 2215 7th Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 801 Gragmont Avenue.
Two-story frame and stucco residence (9 rooms).
Owner—Mrs. Elida Erieksen, 2229 Vine St., Berkeley.
Architect—Not Given.
Contractor—C. A. Krauss, 3146 Lynde St., Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Sash and Doors—Western Door & Sash Co., 5th and Cypress Sts., Oakland.
Concrete—Axel A. Johnson & Son, 1944 Channing Way, Berkeley.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Roofing—Mastercraft Tile & Roofing Co., 1 20th St., Richmond.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. No. 1752 Leimert Blvd.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—Weldon H. Warren, 2802 Fruitvale Ave., Oakland.
Plans by Owner.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Plumbing—W. P. Rouse, 3606 Ardley Ave., Oakland.
Concrete—Otto Hennig, 3527 Suter St. Oakland.

Contract Awarded.
RESIDENCE Cost, $6500
PALO ALTO, Santa Clara Co., Cal. No. 1441 Hamilton Avenue.
Two-story and basement frame and stucco residence.
Owner—Paul J. Beard, Ringwood Rd., Menlo Park.
Architect—Not Given.
Contractor—Ralph Knight, 595 Bailey Ave., Mt. View.

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 190 Brookside Drive.
One - story and basement frame and stucco residence (5 rooms).
Owner and Builder—Hufschmidt and Whalen, 461 Lee Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland, Oakland.
Plumbing—Alvin Rowse, 978 Apgar St. Oakland.
Concrete—J. Mottino, 588 47th Street, Oakland.
Brick—Chas. Hummer, 2221 34th Ave., Oakland.
Tile—Brockhurst Tile Co., 2819 Shattuck Ave., Berkeley.
Electric—Spott Electrical Co., 569 19th St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Fixtures—Voorhees & Maschio, 4121 Broadway, Oakland.
Hardware — Maxwell Hdwe. Co., 1320 Washington St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $13,500
LOS ALTOS, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (7 rooms and 3 baths), shake roof, oil burning heating system, oak floors, tiled baths, etc.
Owner—Milton Haas, Financial Center Bldg., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Axel Cederborg, 1455 Excelsior Blvd., Oakland.
Lumber — Merner Lumber Co., Palo Alto.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $7000
FRESNO, Fresno Co., Cal. No. 435 Terrace Street.
Two-story frame and stucco residence.
Owner and Builder—Taylor & Wheeler, Inc., Power Company Bldg., Fresno.
Plans by Owner.

15— SCHOOLS

Bids Opened
REPAIR SCHOOL Cost, $8000
SAN FRANCISCO, Broadway between Montgomery and Sansome Streets.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Low Bidder—O. Monson, 475 6th St.
Following bids received:

O. Monson	$6,830
M. E. Vukicevich	7,457
J. L. McLaughlin	8,030
H. L. Petersen	8,600
C. J. Koenig & Sons	8,753
Young & Horstmeyer	8,760
J. Harold Johnson	8,763
Westerlund & Nyland	8,853
Anderson & Ringrose	9,185
Harry J. Oser	9,485
William Spivock	9,595
Allison & Beck	9,611
C. L. Wold	9,877

Bids held under advisement.

BIDS OPENED
SAN FRANCISCO—Empire Roofing Co., 261 Silver Ave., at $213 submitted low bid to Department of Public Works for covering roof of the Paul Revere School Annex, Andover St. and Cortland Ave. Following bids received:

Empire Roofing Co.	$213.00
Alta Roofing Co.	222.94
Phoenix Simpton Co.	253.00
Jack Johnson Roofing Co.	459.00
J. W. Bender Roofing Co.	522.00

Bids held under advisement.

BIDS OPENED
WHITTIER, Los Angeles Co., Cal.—Following bids received by State Architect George B. McDougall, Public Works Bldg., Sacramento, for the erection of a new reinforced concrete gymnasium building at Whittier State School, Whittier:

Plumbing

F. C. Schilling, 3215 Beverly Blvd. Los Angeles	$1,881
Allan Black & Son, L. A.	2,000
Johnson & Reeves, Glendale	2,075
Jones Heating Co., Pasadena	2,125
J. M. Flickling, Los Angeles	2,199
A. J. Garcia Co., Los Angeles	2,233
Wm. D. Cramer	2,290
Hickman Bros., Inc., San Pedro	2,297
Johnston & Washer, L. A.	2,363
Harry Barkelew Co., L. A.	2,442

Heating and Ventilating

Harry Barkelew Co., 652 San Julian St., Los Angeles	$1,300
Coony & Winterbottom, L. A.	1,428
Jones Heating Co., Pasadena	1,444
Johnson & Reeves, Glendale	1,467
Hickman Bros., Inc., San Pedro	1,478
Johnston & Washer, L. A.	1,488
F. C. Schilling, L. A.	1,568
Wm. Dougall, Pasadena	1,572
American Engrs. & Contrs., Ltd., Los Angeles	1,597
Dudley Haverty Co., L. A.	1,599
C. B. Swank Co., L. A.	1,600
A. J. Garcia Co., L. A.	1,618
J. M. Fickling, L. A.	1,647
J. Herman Co., Los Angeles	1,797

Tile

Long Beach Marble & Tile Co., Long Beach	$ 964
Valley Tile & Mantel Co., L. A.	1,004

Electric

Seaside Electric Co. 1800 Thompson Blvd., Ventura	$ 840
Geo. L. Patterson, L. A.	849
Newbery Elec. Corp., L. A.	977
H. H. Walker, Inc., L. A.	1,030
H. O. Bauerle, L. A.	1,154
Gerard Bande	1,285

Sheet Metal and Roofing

Owen Roofing Co., 915 Santa Fe Ave., Los Angeles	$3,975

Structural Steel

Minneapolis - Moline Power Implement Co., Los Angeles	$3,545

Pacific Iron & Steel, L. A..... 3,600
Consolidated Steel Corp., L. A..... 4,020
McClintic-Marshall Corp., S. F... 4,459

Lathing and Plastering

Bolster & Bonham, 118 N Juanita, Los Angeles .....$ 966
J. G. Gibson & Sons, L. A..... 1,097
Miller & Vail, Los Angeles..... 1,391

No glass bids were received.
Bids held under advisement.

Plans Approved.
REPAIR SCHOOL Cost, $43,000
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.
Bids will be asked shortly.

PRELIMINARY PLANS PREPARED

TEMPE, Ariz. — Architects Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, have prepared preliminary drawings and a PWA application for a proposed students' activities building, to cost $141,750, and an auditorium and theater building to cost $185,000, to be erected at Tempe for Arizona State Teachers' College; Dr. Grady Gammage, president. The application for federal aid requests a grant of $92,175 and a loan of $234,575.

Planned.
LIBRARY Cost, $500,000
OAKLAND, Alameda Co., Cal. Mills College.
Construct library for college (provide for 250,000 volumes).
Owner—Mills College, Seminary and Camden Sts., Oakland.
Architect—W. H. Ratcliff Jr., Chamber of Commerce Bldg., Berkeley.
Plans are under way for financing, committee headed by Mrs. M. C. Sloss of San Francisco.

Planned.
ADDITION Cost, $4326
SACRAMENTO, Sacramento Co., Cal. Vallejo Way.
Addition to men's gymnasium at California Junior High School.
Owner—Sacramento City School Dist.
Architect—Not Given.

FUNDS ALLOCATED

NORWALK, L. A. Co., Calif.—Norwalk School District has been allocated $140,000 under the Greene Bill for the erection of an auditorium building and classroom unit at the Norwalk elementary school site. The classroom building will be of Class C construction, containing 7 classrooms, 5 special rooms, and administration suite, concrete walls, wood floors, etc. The auditorium building will be of Class B construction, and will have a seating capacity of 800 persons. A grant of $43,000 is still pending. Plans are being prepared by Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles.

BOND ELECTION

SANTA YNEZ VALLEY, Santa Barbara, Calif.—Santa Ynez Valley Union High School District will hold an election March 30 (previously scheduled for March 17) when the voters wil decide whether or not they will abandon the present high school and build a new plant. Should the vote favor a new plant it will be necessary to call another election to vote bonds. The construction of a reinforced concrete building to cost approximately $125,000 is proposed. E. Keith Lockard, 117 East de la Guerra, Santa Barbara, architect.
(3927) 1st report, March 6, 1934.

PREPARING PLANS

LONG BEACH, L. A. Co., Calif.—Architect W. A. Dedrick, 901 Heartwell Bldg., Long Beach, is preparng working drawings for a group of seven school buildings to be built at the Jefferson Junior high school site for the Long Beach Board of Education. The group will consist of an administration building, containing 26 classrooms; arts and science building, library and cafeteria, shops and music building, girl's and boys' activities building, and auditorium to seat 800 people. Construction will be a modified class A type, steel frame construction, composition roofing, etc., cost $450,000.

BIDS WANTED

NEAR NORWALK, L. A. Co., Calif. —Until 7:30 p. m., April 5, bids will be received by the Excelsior Union High School District for steel, carpentry and reinforced concrete work for reconstruction of the administration building at the Excelsior high school. Bids will be taken as follows (1) structural steel; (2) reinforced concrete and carpentry. The structural steel will include horizontal bracing system, steel trusses, steel posts, etc. The carpentry will include strengthening of roof, concrete forms, bracing of first floor, etc. The reinforced concrete work will include: New foundations, exterior walls and cross walls, etc. The building is a two-story structure, 67 by 225 feet in area. Plans were prepared by Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles. Plans and specifications are available at both the office of the architect and at the offices of the school district.

BIDS WANTED.

CARPINTERIA, Santa Barbara Co., Calif.—Until 10 A. M., March 26, bids will be received by the Carpinteria Union School District for the construction of a school building on the new Aliso site in Carpinteria. Bids will be received separately on segregated portions of the work as follows: (1) roofing; (2) millwork, including bulletin boards, blackboards and finish maple and mastic flooring; (3) lathing and plastering; (4) painting; (5) plumbing and heating; (6) sheet metal work; (7) electric wiring, including radio wiring and program clock; (8) finish harware, including metal partitions. Certified or cashier's check or bond in the sum of 10 per cent must accompany each bid. A limited number of plans are available at the office of Architect E. Keith Lockard, 117 E. De la Guerrera, Santa Barbara, from whom they may be obtained upon deposit of $5 for each set. John B. Hudson, clerk of the board. The building will be a one-story, wood frame structure containing four classrooms; stucco exterior, tile roof, wood partitions, metal lath, C.P. trim, maple and cement floors, gas-steam radiators, etc. Estimated cost $18,000. The foundation work and carpentry is being handled by CWA forces.

Final Plans Approved.
REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. between Powell and Stockton.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer——W. L. Huber, 1 Montgomery St., San Francisco.
Bids will be asked shortly.

BIDS WANTED

PARLIER, Fresno Co., Cal. —Until April 3, 3 P. M., bids will be received by H. P. Higginbotham, Clerk, Parlier Grammar School District, P. O. Box 141, Parlier, for furnishing 442 opera chairs for the grammar school. Specifications available from above office upon request.

Bids Wanted — To Close March 28, 2:30 P. M.
SCHOOL REPAIRS Cost, $58,000
SAN FRANCISCO. Broadway, bet. Powell and Mason Sts.
Repairs and reconstruction of school building (Jean Parker School).
Owner—City and County of San Francisco.
Architect and Engineer — W. P. Day, Financial Center Bldg., San Francisco.

General contract includes: Removal of partitions, brick, terra cotta, furring, lath and plaster, etc.; excavation for wall footings piers, etc.; concrete, structural steel, structural terra cotta tile and brick masonry, architectural terra cotta, refinish and reset granite steps, miscellaneous metal work, metal furring and lathing, exterior and interior plastering, sheet metal, carpentry, millwork, blackboards, glass and glazing, composition roofing calking adjustments to heating system, remove and reset water and gas lines, relocating electric switches, painting, steam cleaning exterior.

Plans and specifications obtainable from Room 251, City Hall, upon deposit of $20.

Penalty of $25 for each day the work is uncompleted beyond specified time.

Plans Completed
SCHOOL REPAIRS Cost, $28,000
SAN FRANCISCO. Golden Gate Ave. between Scott and Pierce Streets.
Repairs and reconstruction of school building.
Owner—City and County of San Francisco.
Plans have been forwarded to Sacramento for approval.

Plans Completed.
SCIENCE BLDG. Cost, $210,000
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete, brick cast stone or terra cotta science building (80x180 ft.) built-up roof, wood sash, etc.
Owner—University of Washington.
Architect—Whitehouse & Price, Spokane.
Final plans have been forwarded to Olympia for approval.

Plans Completed.
CHEMISTRY BLDG. Cost, $250,000
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete, brick cast stone or tera cotta chemistry building (built-up roof, wood sash) 100x800 feet.
Owner—State of Washington.
Architect—Rigg & Vantyne, Spokane.
Final plans have been forwarded to Olympia for approval.

Plans Being Prepared.
IMPROVE SCHOOL Cost, $35,000
PITTSBURG. Contra Costa Co., Cal.
Improvements to Junior High School.
Owner—Pittsburg School District.
Architect—Louis Stone, 354 Hobart St., Oakland.
Following improvements will be made:
Transfer floor and roof loads on present brick and stud walls to new light steel frame work.
Remove third story portion and roofing and strengthening of roof timbers
Removal of parapet balustrade and tower and placing a reinforced concrete capping to top the exterior walls
First story portion of building to be laterally strengthened by steel work and new reinforced concrete walls built into the structure to give lateral stability.
Remove chimney and replace wih new metal stack.

Plans Being Prepared.
IMPROVE SCHOOL Cost, $18,000
PITTSBURG, Contra Costa Co., Cal.
Improvements to Pittsburg Intermediate School (work involves new concrete walls and foundation work, lateral and diagonal bracing in steel, new foundation to basement columns, removal of concrete cornice and tile work, and replacing with galvanized iron, etc.)
Owner—Pittsburg School District.
Architect—Louis Stone, 354 Hobart St., Oakland.

Plans Being Prepared.
IMPROVE SCHOOL Cost, $35,000
PITTSBURGH, Contra Costa Co., Cal.
Improvements to Pittsburg Primary School.
Owner—Pittsburgh School District.
Architect—Louis Stone, 354 Hobart St., Oakland.
Work involves:
Remove entire brick work above ceiling joists in second story and replace with reinforced concrete wall.
Placing steel ties across building with diagonal brace rods at ceilings and complete steel from for auditorium.
New roof will be placed at top lines of present roof trusses.
Wooden walls at north and south end of main building to be removed and replaced with reinforced concrete walls.
Concrete stairs to be installed in place of present stairs.

To Ask Bids Within A Few Days.
SCHOOL Cost, $15,000
HAYFORK, Trinity Co., Calif.
One-story wood frame grammor school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayford Union School Dist.
Architect—Jens C. Petersen, 826 26th St., Sacramento.

Plans Being Prepared.
ALTERATIONS & ADDN. $15,000
ARDEN, Sacramento Co., Cal.
Alterations and additions to present school building.
Owner—Arden School District.
Architect — Chas. Dean, California State Life Bldg., Sacramento.
Bonds have been voted and application filed with PWA for funds.

WORKING DRAWINGS COMPLETE
TEHACHAPI, Kern Co., Cal.—Architect Edwin J. Symmes, Haberfeld Bldg., Bakersfield, completed working drawings for new reinforced concrete unit to be built on Grammar School grounds at Tehachapi for Tehachapi Elementary School District. Cost, $40,000.

WORKING DRAWINGS COMPLETE
BUTTONWILLOW, Kern Co., Cal.—Architect Edwin J. Symmes, Heberfelde Bldg., Bakersfield, completed working drawings for addition to the Buttonwillow School for Buttonwillow Union School District. Cost, $11,500.

BOND ELECTION
SCHOOL Cost, $11,000
INYOKERN, Kern Co., Cal.
Two classroom-school building (frame and stucco construction).
Owner — Indian Wells Valley Union School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
April 4 has been set as the date for holding a bond election to finance construction.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $69,400
SAN FRANCISCO. Hayes and Ashbury Streets
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer — L. H. Nishkian, 525 Market St., San Francisco.
Plans will be completed within a few weeks.

WORKING DRAWINGS COMPLETE
TEHACHAPI, Kern Co., Cal.—Architect Edwin J. Symmes, Haberfelde Bldg., Bakersfield, completed working drawings for a second unit to be added to the high school at Tehachapi for the Tehachapi Valley Union High School District. Cost, $43,000.

Plans Approved
SCHOOL Cost, $9000
CRESCENT CITY, Del Norte Co., Cal.
One - story school building (log construction; 2 classrooms).
Owner—Gasquet School District.
Architect—Norman Coulter, 46 Kearny St., San Francisco.
State Department of Architecture has approved the final plans and same have been forwarded to school district to check.

ASK FEDERAL AID
SANTA ANA, Orange Co., Cal.—The Santa Ana board of education has accepted plans for the purpose of applying for a Federal grant of 30%, for rehabilitation of the Spurgeon and Edison elementary schools in Santa Ana. According to the plans, the Spurgeon school will virtually have to be rebuilt, the estimated cost being approximately $75,000. Rehabilitation of the Edison school, estimated to cost $50,000, will consist principally of replacing the exterior walls. Frederick H. Eley, 109 Orange Ave., Santa Ana, architect.

BOND ELECTION PLANNED
LAGUNA BEACH, Orange Co., Cal.—Laguna Beach board of education will call an election soon for the purpose of submitting a 150,000 bond issue for the proposed high school bldg. to be erected in Laguna Beach. Plans under consideration contemplate a school to house 250 students. Allison & Allison, 1014 Edison Bldg., architects.

BOND ELECTION PLANNED
DUNNIGAN, Yolo Co., Cal.—Dunnigan School Dist. is considering holding an election shortly to vote bonds in the amount of $9,000 to finance construction of a new school building in Dunnigan. Mrs. Rowena Norton, county supt. of schools, Rolan Zacher, Adrian Cook and Mrs. C. M. Mumma were appointed as a committee to secure approval of the election.

Plumbing and Heating Contract Awarded
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif.
Stanford University Campus (Lagunita Court).
Group of two-story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects—John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park, San Francisco.
Plumbing and Heating—Jas. Pinkerton, 927 Howard St., San Francisco.
As previouly reported lumber contract awarded to the Merner Lumber Co., Palo Alto.

To Be Done By Day's Work.
REPAIR SCHOOL Cost, $4000
PALO ALTO, Santa Clara Co., Cal.
No. 2650 El Camino Real.
Repairs and alterations to Mayfield Grammar School.
Owner—Palo Alto Board of Education.
Architect—Not Given.
Work will be done by day's labor under the CWA.

PLANNED
LOS ANGELES, Cal.—Public Works Administration has authorized additional loans and grants totaling $2,782,823, most of which will be alloted to Los Angeles county school districts for school reconstruction work. The money was originally allocated as loans for a county office building in Los Angeles and improvements at Olive View sanitarium. The appropriation will be allotted as follows: Long Beach, grants, $827,463; loans, $1,024,000. Other districts, to whom outright grants will be made, are: Los Angeles, $138,792; Pasadena, $242,386; Compton, $215,540; Hermosa Beach, $41,130; Lynwood, $52,233; Beverly Hills, $28,056; Excelsior, $20,400; Bellflower, $15,000; Clearwater, $7,186; Montebello, $5250; Little Lake, $5100. Bonds for the improvements in most of these districts have been voted.

Bond Election Postponed
SHOP AND GYM Cost, $32,000
RIPON, San Joaquin Co., Calif.
One-story frame and stucco gymnasium and shop building.
Owner—Ripon Junior - Senior High School District.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
Proposed project will go ahead at a future date.

Bond Election
COMMUNITY HALL Cost, $40,000
DUNSMUIR, Siskiyou Co., Cal. Florence and Sacramento Streets.
One-story steel frame and wood community hall (to house auditorium and gymnasium, 70x90 feet; stage, 64x24 ft., library, kindergarten, domestic science room, showers, and dressing rooms, projection room).
Owner—Dunsmuir Elementary School District.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
An election is being held on April 3 to vote bonds in the amount of 528,750 to finance construction. Application has been filed with the PWA for a grant of $11,250.

BOND ELECTION
SOUTH SAN FRANCISCO, San Mateo Co., Cal. — South San Francisco High School District will hold an election on April 12th to vote bonds in the amount of $75,000 to finance construction of alterations and additions to school buildings and supplying new furniture and equipment. B. J. Rodondi, H. A. Cavassa and J. O. McMills, Trustees of South San Francisco High School District.

16—BANKS, STORES AND OFFICES

Contract Awarded.
STORE Cost, $4000
OAKLAND, Alameda Co., Cal. 3580 Redwood Road.
One-story frame and stucco store.
Owner—V. Cobb, 1925 9th Ave., Oakland.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.

Contract Awarded.
OFFICE BLLG. Cost, $9000
SAN JOSE, Santa Clara Co., Cal. No. 363 S-Third Street.
Two-story frame and stucco office building and 2-room residence.

Owner—Dr. A. J. Balocchi, Bank of America Bldg., San Jose.
Plans by Herman Krause, 237 W-San Carlos St., San Jose.

Plans Being Completed.
ALTERATIONS Cost, $——
SAN FRANCISCO. Van Ness Ave., bet. Geary and Post Sts.
Alterations to two - story concrete building for auto sales building.
Owner—Texas Company.
Plans by Mr. Garff, % Lessee.
Lessee — Arthur Lindburg Co., 1355 Van Ness Ave., San Francisco.
Work will probably be done by day's labor under the owner's supervision. Announcement will be made within a few days.

Bids Opened.
OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. No. 374 W. Santa Clara Street.
Two-story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, President), 372 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 W-Santa Clara St., San Jose.
Low Bidder—Chas. Thomas, 127 Clayton Ave., San Jose.
Following bids received:

Charles Thomas	(1)	$42,812
	(2)	44,812
Henry Bridges	(1)	$44,570
	(2)	47,027
J. D. Carlson	(1)	$45,167
	(2)	46,035
W. J. Ochs	(1)	$45,452
	(2)	46,622
Wm. Caldwell	(1)	$45,554
	(2)	46,399
Carl N. Swensen	1)	$47,969
	(2)	49,469
Megna & Newell	(1)	$47,994
	2)	51,090
E. Nommensen	(1)	$48,275
	(2)	51,275
Frank Edmans	(1)	$49,987
	(2)	52,477

Bidders all of San Jose.
Bids held under advisement.
Heating bids were not disclosed, as changes will be made in the plans.

Contract Awarded.
REPAIR BUILDING Cost, $5000
SAN JOSE, Santa Clara Co., Cal. No. 52-56 South First St.
Repair fire loss to office building.
Owner — Riehl Estate, 253 N. Third St., San Jose.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Conaract Awarded.
ALTERATIONS Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 184 S-First Street.
Alterations to building.
Owner—H. Nelson French, Capital National Bank Bldg., Sacramento.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Owner Taking Bids—To Close March 31, 12 M.
STORE Cost, $63,000
HOLLYWOOD, Los Angeles Co., Cal. 6608-10 Hollywood Blvd.
Three - story and basement 14-room Class A reinf. conc. store (60x120).
Owner—S. H. Kress & Co., 114 Fifth Ave., New York City.
Architect—Edward F. Sibbert, 114 5th Ave., New York City, or 1031 S Broadway, Los Angeles.
Work consists of composition roof, fire escapes, cast concrete trim, plate glass, granite bulkheads, metal sash, marble work, tile, terrazzo and linoleum floors, marble and travertine stairways, metal, marble and hardwood trim, acoustic tile ceilings, metal lath, electric elevators, interior tile, metal toilet partitions and wainscoting, structural steel, waterproofing materials, kalamein doors, dumb waiter, steam heat, ventilating system, automatic sprinkler system, Venetian blinds, metal roof sign, ornamental iron balustrades, steel rolling shutters, storage water heater, electric refrigerator, oil storage tank, etc.
Following contractors have been invited to submit bids:
Clinton Const. Co., 1103 Spring Arcade Bldg., Los Angeles.
Wm. C. Crowell, 495 S Broadway, Pasadena.
Pozzo Const. Co., 421 Macy Street, Los Angeles.
R. Westcott Co., 536 S Broadway, Pasadena.
Lynch-Cannon Engr. Co., 5658 Wilshire Blvd., Los Angeles.
R. E. Campbell, 711 Central Bldg., Los Angeles.
Wm. Simpson Const. Co., Architects Bldg., Los Angeles.

Sub-Bids Being Taken.
OFFICE BLDG. Cost, $10,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One-story frame and stucco doctor's office building (12 rooms) shingle roof, 3 gas heating units, linoleum, mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Wayne Hertzka, 982 Bryant St., San Francisco.
Contractor—M. L. Parsons, 4035 East 15th St., Oakland.

Sub-Contracts Awarded.
BUILDING Cost, $25,000
SAN JOSE, Santa Clara Co., Cal. No. 1342 Naglee Avenue.
One-story science building.
Owner—Rosicrucian Order, Premises.
Plans by Owner.
Contractor—Paul Anderson, 1210 Lincoln Ave., San Jose.
Structural Steel and Ornamental Iron—Engfer Iron Works, 535 W. San Carlos St., San Jose.

ASK FEDERAL AID
LOS ANGELES, Calif.—The Wilshire-Mansfield Corp., Ltd., has applied to the Public Works Administration for a loan and grant totaling $40,-036 for a market building they propose erecting at Wilshire Blvd. and Mansfield Ave .Harold S. Johnson, 1102 Architects' Building, architect.

Plans Being Figured—Bids Close April 10, 2 P. M.
ADDITION Cost, $25,000
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and T Streets.
Two 2-story brick wing additions to present laboratory building (concrete foundations, concrete floors, brick walls, composition roofing, steel sash and alternations to the present structure (Fort Highway Department).
Owner—State of California.
Architect—Geo. B. McDougall (State Architect) Public Works Building, Sacramento.
Plans and specifications available from above office upon deposit of $25.

Additional Sub-Contracts Awarded
BAKERY Cont. Price, $19,300
SAN FRANCISCO. NE Powell and Francisco Streets.
One-story concrete bakery.
Owner—Venetian Bakery.
Architect—T. Ronneberg, Crocker Building.
Contractor—MacDonald & Kahn, Financial Center Bldg.
Sheet Metal—Atlas Heating & Ventilating Co., 557 Fourth St.
Plastering—M. J. King, 666 Mission St.
Painting contract will be awarded shortly. Other awards reported March 15th.

Planned.
STORE Cost, $10,000
FRESNO, Fresno Co., Cal. No. 1337 Fulton St. near Merced St.
One-story brick store building (25x120 feet), cement floors, plate glass front, etc.)
Owner—L. E. Brown, 1479 Wishon St., Fresno.
Architect—Charles Franklin, T. W Patterson Bldg., Fresno.
Lessee—S. H. Flanigan.

Contract Awarded.
ALTERATIONS Cost $——
SAN FRANCISCO. Van Ness Avenue bet. Geary and Post Sts.
Alterations to two-story concrete building for auto sales building.
Owner—Texas Company.
Plans by Mr. Graff % Lessee.
Lessee — Arthur Lindburg Co. 1355 Van Ness Ave., San Francisco.
Contractor—L. Saloman, 1734 Broderick St., San Francisco.

Contract Awarded.
REMODEL STORE Cost, $10,000
FRESNO, Fresno Co., Cal. No. 1030-1040 Broadway.
Remodel two-story building (work involves cutting building back 10 feet; new brick front, tile roof, etc.)
Owner—Cory Estate.
Architect—Not Given.
Contractor—J. D. Shorb, 1295 Linden St., Fresno.

Steam Heating Contract Awarded.
STORES AND OFFICES Cost, $—
SAN FRANCISCO. Sixteenth St., bet. Mission and Valencia Sts.
Two-story, basement and mezzanine floor Class A steel frame and reinforced concrete store and offices (two stores, 14 offices) asphalt and gravel roof, steam heating system, ventilating, electric work, wood and tile floors, etc.
Owner—William F. Schosser.
Architect—J. E. Krafft & Sons, Architects and Engineers, Phelan Bldg., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., at $16,955.
Steam Heating — E. A. Cornely Co., 1452 Bush St., San Francisco, at $2046.
Other awards previously reported.

March 17, 1934

Plans Being Prepared.
OFFICE BLDG. Cost, $40,000
MARYSVILLE, Yuba Co., Cal. Seventh and B Streets.
Two-story office building for highway department.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.

Contract Awarded.
ALTER STORE Cost, $8000
BERKELEY, Alameda Co., Cal. San Pablo Avenue.
Alterations and additions to one-story reinforced concrete store building (new tar and gravel roof, new show windows, new mezzanine floor, raise ceiling and general alterations.
Owner—M. Sherman.
Architect—Ray Keefer, 770 Wesley St., Oakland.
Contractor—C. H. Thrams, 28 Home Place, Oakland.

Plans Being Figured.
ALTERATIONS Cost, $2500
SAN FRANCISCO. No. 131 California Street.
Fitting up offices in building.
Owner—Dollar Building.
Architect—Francis Lloyd, 360 Pine St., San Francisco.
A bid is being received from one contractor only.

Contract Awarded.
STORE Cost, $12,000
SAN FRANCISCO, NE Chestnut and Avila Streets.
One-story Class C reinforced concrete store building (65x47 ft.); tar and gravel roof, concrete and wood floors, decorative tile work, etc.
Owner — Martin Stelling, 155 Montgomery St., San Francisco.
Architect—Francis Lloyd, 360 Pine St., San Francisco.
Contractor—Clinton-Stephenson Construction Co., 550 Montgomery St., San Francisco.

Owner Taking Bids.
STORE Cost, $5500
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Virginia Street.
One-story frame and stucco store building (2 stores), 50x80 feet; composition roofing, concrete floors reinforced concrete front and sidewalls.
Owner—J. Grigsby, 2868 Le Conte Ave., Berkeley.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

18— WHARVES & DOCKS

Plans Being Completed.
WHARF, ETC. Cost, $150,000
PORTLAND, Ore. Northwest Front St. and Willamette River.
Wharf, 200x308 ft., wood piles, wood laminated deck, asphalt plank finish floor and 1-story frame warehouse, 170x308 ft., corrugated galvanized exterior siding, masonry walls, automatic sprinkler system.
Owner—Portland Terminal Investment Co. (Subsidiary of U. P. System) Portland.
Plans by the Engr. Dept. of Owner (S. Murray, Chief Engineer) Pittock Block, Portland.

Contract Awarded.
ADDITION Cont. Price, $136,366
ALAMEDA, Alameda Co., Calif. Foot of Paru Street.
Addition to terminal (timber dock and frame and corrugated iron warehouse (300x700 feet) spur tracks, concrete piling, etc.
Owner — Alaska Packers' Association, 141 California St., San Francisco.
Engineer—Philip Bush, care California Packing Corp., 101 California St., San Francisco.
Contractor—A. W. Kitchen & Co., 110 Market St., San Francisco.

Contract Awarded.
WHARF EXTENSION $3000
VALLEJO, Solano Co., Cal. Georgia and Virginia Streets.
257 foot extension to wharf (timber piling).
Owner—Vallejo Ferry Co. (Capt. Robt. Raahauge, Owner), Vallejo.
Architect—Not Given.
Contractor—Duncanson-Harrelson Co. deYoung Bldg., San Francisco.

CONTRACT AWARDED
VALLEJO, Solano Co., Cal.—Bundesen & Lauritzen P. O. Box 395, Pittsburg, at $5,300 awarded contract by Vallejo city council for reconstruction and repairs to a portion of the Virginia Street Wharf. Complete bids published March 17.

BIDS WANTED
SAN DIEGO, Cal.—Until March 29, 11 A. M., bids will be received by Capt. DeWitt C. Webb, Public Works Officer, Headquarters, 11th Naval Dist., foot of Broadway, San Diego, under Spec. No. 7649, for the construction of a timber float (14x40 ft.); removal of existing mooring piles; extension and repair of walkways, etc., at the Navy Landing, San Diego.
Specifications obtainable from above office upon deposit of $10.00.

19—MISC. CONSTRUCTION

Plans Being Figured.
RACE TRACK Cost, $250,000
SAN MATEO COUNTY, Cal. Bay Meadows (Curtis-Wright Airport) 120 acre tract.
Horse racing plant (structural steel, frame and concrete clubhouse and grandstand, clubhouse to house 1,000 and grandstand to seat 6000) one-mile track, paddocks, 30-acre parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager) 1945 Broadway, San Francisco.
Architect—W. Wootten, 251 Kearny St., San Francisco.
Engineer—Stillman W. Curtis, 430 Natoma St., San Francisco.
A date for opening the bids will be set within a few days.

BIDS RETURNED UNOPENED
ALAMEDA, Alameda Co. Cal.—Ransome Co., 4030 Hollis St., Emeryville, submitted only bid to Alameda city council, which was returned unopened for the construction of two tennis courts in Franklin Park, Alameda. New bids will be asked immediately. Work involves:
(1) 480 ft. redwood header boards in place;
(2) 170 tons crusher-run base;
(3) 175 tons asphalt concrete base;
(4) 90 tons asphalt concrete top.

CONTRACT AWARDED
PEARL HARBOR, T. H.—H. A. Hettman, Honolulu, at $4,887 awarded contract by Bureau of Yards & Docks, Navy Department, for the construction of a spray cooling pond at Pearl Harbor; Spec. No. 7577. Price was previously reported at $489,700 which was in error.

AWARD DELAYED
FORT PECK, Mont.—Chief of Army Engineers, Washington, D. C., will delay award of a contract for construction of an electrical transmission line from Great Falls to Fort Peck Dam pending complete investigation of numerous protests filed. Fritz Ziebarth & H. H. Walker, Inc., 1323 Venice Blvd., Los Angeles, submitted low bid to the U. S. District Engineer, Kansas City, March 17.

Being Done By Day's Labor.
DIST. PLANT Cost, $3000
NAPA, Napa Co., Cal. Helena Highway on Menlo Avenue.
Distributing plant (garage, warehouse, 30,000 gallon storage tank).
Owner—A. C. Ream, Napa.
Plans by Engineering Dept. of Lessee
Lessee—Western Oil & Refining Co., 3124 E-14th St., Oakland.
Work is being done by day's labor under the owner's supervision.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. SE Evans and Third Sts.
Alterations to abbatoir.
Owner—William Taaffe & Co., Prem.
Architect—Not Given.
Contractor—H. E. Kahlmann, 111 Sutter St., San Francisco.

Plans Being Figured.
POOL, ETC. Cost, $10,000
BOYES SPRINGS, Sonoma Co., Calif.
Reinforced concrete swimming pool, 35x70 feet, and frame addition to dining room.
Owner — Sonoma Mission Inn (Mrs. Emilie Long) Sonoma Mission Inn, Boyes Springs.
Architect—Fred H. Reimers, 233 Post St., San Francisco.

Contract Awarded.
TOWER Cost, $3000
OAKLAND, Alameda Co., Calif. Foot of Adeline Street.
Steel elevator tower.
Owner—El Dorado Oil Works, premises.
Architect—Not Given.
Contractor—Independent Iron Works 821 Pine St., Oakland.

BIDS WANTED
SAN FRANCISCO—Until March 29, bids will be received by the U. S. Department of Justice, Bureau of Prisons, Washington, D. C., for furnishing all labor and materials for the complete installation, including five year's maintenance service, of a private interior telephone exchange and outside service facilities at the Federal prison on Alcatraz Island in San Francisco Bay; Specification 742.

Planned.
IMPROVEMENTS Cost, $10,000
RICHMOND, Contra Costa Co., Cal.
Renovation of municipal natorium.
Owner—City of Richmond.
Architect—Not Given.
Work will probably be done by day's labor under the CWA.

Bids Rejected.
NORTH SACRAMENTO, Sacramento Co., Cal.—Grant Union High School District, rejected bids received for materials for the construction of a swimming pool, 150x50 feet at the High School Grounds, North Sacramento. Complete bids published March 13. Work will be done by day's labor under the CWA and materials will be purchased in the open market.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Lalance & Gosjean Mfg. Co., 100 E 42nd St., New York City, at $498.00 awarded contract by the Constructing Quartermaster, Hamilton Field, for furnishing 200 mess trays at Hamilton field.

Plans Being Prepared.
SWIMMING POOL Cost, $——
SAN LEANDRO, Alameda Co., Cal. Thrasher Park.
Construct new swimming pool (20x50 feet).
Owner—City of San Leandro.
Engineer—J. Thayer, City Engineer, San Leandro.
Work will be done by day'a labor under the CWA.

FOR SALE
SAN FRANCISCO.—Director of Property, City Hall, will sell at public auction to highest bidder, buildings located at 412 Colby Street. Sale will be held on the premises at 9 A. M., March 22. Joseph J. Phillips, Director of Property.

Planned.
SWIMMING POOL Cost, $——
MARTINEZ, Contra Costa Co., Calif.
Construct new swimming pool.
Owner—Alhambra High School Dist.
Architect—E. Goeffrey Bangs, 411 30th St., Oakland.
Proposed project is in a very preliminary stage. Estimates of cost are being obtained.

AWARD
GLENDALE, Los Angeles Co., Calif. —Hilgartner Marble Co., E 26th St., Los Angeles, and Musto-Keenan Co., 1801 S Soto St., Los Angeles, have signed a contract at $99,766 for marble, granite and bronze work for a mausoleum building, two underground crypt vaults and foundation for one obelisk at Forest Lawn Memorial Park, Glendale, for Louise E. Kerckhoff. Other contracts will be awarded

later for concrete work and the removal of two crypts and an obelisk. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

FENCE CONTRACT AWARDED

ARCADIA, Los Angeles Co., Calif.—Pacific Fence Const. Co., 1012 N Highland Ave., Los Angeles, awarded contract by Lindgren & Swinerton, general contractors for the horse racing plant in Arcadia for Los Angeles Turf Club, for 15,000 ft. of 9-ft. chain link fence to enclose the turf club grounds. Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect.

BIDS OPENED

SAN FRANCISCO—Ocean Shore Iron Works, 550 8th St., San Francisco, at $750 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for emergency repairs to boiler No. 1, Civic Center Power House, Larkin and McAllister Sts.

Main Engineering Co., San Francisco submitted second low bid at $765; third, Eureka Boiler Works Co., S. F., $810.

CONTRACT AWARDED

SAN FRANCISCO—J. Harold Johnson, 639 Brannan St., at $1459 awarded contract by Park Commissioners for the construction of a convenience station in Portsmounth Square on Kearny street, between Clay and Jackson Sts.

Complete bids published Feb. 27.

CONTRACT AWARDED

CONCORD, Contra Costa Co., Cal.—J. H. Budd, Walnut Creek, at $770.85 awarded contract by Mt. Diablo Union High School District for the construction of wooden bleachers at the athletic field at Mt. Diablo Union High School, Concord.

LUMBER CONTRACT AWARDED

BERKELEY, Alameda Co., Calif.—Axel Cederborg, 14455 Excelsior Blvd., Oakland, awarded the lumber contract to the Bay City Lumber Co., 48th Ave. and East 12th St., Oakland, for the construction of an experimental house on the Campus of the University of California.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

PASADENA, Calif.—Following bids were received by the Pasadena City Council March 15 for furnishing lumber for the Sunset Reservoir, Pasadena:

Pasadena Lumber Company	$10,571.55
Orban Lumber Company	10,578.76
Hammond Lumber Co.	10,587.29
Consolidated Lumber Co.	10,766.74
J. C. Smith Lumber Co.	10,884.99
Crown City Mfg. Co.	11,157.05
Fox-Woodsum Lbr. Co.	11,157.05
Public Mill & Lumber Co., Schedule 5	1,929.68
Kerckhoff-Cuzner Mill & Lbr. Co., Sch. 5	1,929.68
J. H. Baxter, Sch. 1, 2 & 4	8,361.90
Patten-Blinn, Sch. 3 and 5	2,010.58

The requirements total 172,609 board feet Douglas fir, select structural A-1, and 35,300 board feet redwood, select structural A-1. Samuel B. Morris, chief engineer. 20

CONTRACT AWARDED

ASTORIA, Oregon — Watson Mfg. Co., at $864.68 awarded contract by Post Office Department for furnishing steel counter cabinets at the Astoria Post Office.

CONTRACT AWARDED

SELMA, Fresno Co., Cal. — Federal Equipment Co., at $934 awarded contract by Post Office Department for furnishing five sections lock boxes at Reedley Post Office. 20

CONTRACT AWARDED

YUMA, Arizona — Globe-Wernicke Co., at $524.20 awarded contract by Post Office Department for furnishing 27 chairs for the Yuma Post Office.

BIDS OPENED

SEATTLE, Wash.—Receiver of Pacific Oil Co., Los Angeles, at $1.575 per barrel submitted low bid to the Navy Department, Bureau of Supplies and Accounts, March 9 for furnishing 15,000 barrels of fuel oil for Seattle; Schedule 1818, S. & A., Item No. 1. The above firm also submitted low bid at $1.775 per barrel for furnishing 4500 bbls. fuel oil to Seattle; Schedule 1818, S. & A., Item No. 2.

General Petroleum Corp., Standard Oil Co. of California and the Union Oil Co. submitted identical bids as follows:

Item No. 1, $1.60 per barrel; item No. 2, $1.80 per barrel.

CONTRACT AWARDED

BERKELEY, Alameda Co., Cal.—Ransome Co., 4030 Hollis St., Emeryville, at $3.70 (street) and $3.50 (track) awarded contract by Berkeley City Council for furnishing 500 tons of type "C" surface mixture.

Complete bids published March 15.

BIDS OPENED

OAKLAND, Cal.—Calrock Asphalt Co., 525 Market St., San Francisco, at $4.34 per ton submitted only bid to the Oakland City Council, W. W. Chappell, City Clerk, for furnishing approximately 300 tons of natural rock asphalt.

LATE BID

COCONINO COUNTY, Arizona—Bid of Union Oil Co., Los Angeles, for furnishing liquid asphaltic road material mailed in Los Angeles March 10, for opening March 13, received March 16. All bids have been referred to Washington without recommendation.

BIDS OPENED

SAN CARLOS, Arizona.—Eight bids submitted to the U. S. Indian Irrigation Service, Los Angeles, March 14, for copper cable and wire for transmission and distribution lines for the San Carlos Federal Project No. 261. The bids were practically identical in prices with one or two exceptions which are noted below. The bidders were:

Phelps - Dodge Copper Prod. Corp., Columbia Steel Co., John A. Roebling Sons Co., Copperweld Steel Co., Graybar Electric Co., Inc., Anaconda Wire & Cable Co. by General Elec. Supply Co., Westinghouse Electric Supply Co., and General Cable Corp.

The prices were:

Item 1 4000 lbs., No. 4-0 AWG bare, 7-strand, hard drawn, copper cable, f.o.b. Coolidge, 14.03c; Olberg, 14.03c; Casa Grande, 14.03c; Florence, 14.08c.

Item 2, 4000 lbs. No. 3-0 same, Coolidge, Olberg, Casa Grande, 14.08c; Florence, 14.13c.

Item 3, 20,000 lbs. No. 2-0 same Coolidge, Olberg, Casa Grande, 14.13c; Florence, 14.18c.

Item 4, 272,000 pounds No. 1-4 same, Coolidge, Alberg, Casa Grande, 14.18c; Kelvin, 14.49c; Ray Junction, 14.3c; Hayden, 14.31c.

Item 5, 160,000 lbs. No. 1 AWG, bare 3-strand, hard drawn, copper cable Coolidge, Olberg, Casa Grande, 14.08c; Florence, 14.13c.

Item 6, 4,000 lbs. No. 2 do, Coolidge, Olberg, Casa Grande, 14.13c; Florence, 14.18c.

Item 7, 30,000 lbs. No. 3 do, Coolidge, Olberg, Casa Grande, 14.18c; Florence, 14.23c.

Item 8, 4,000 lbs. No. 4, do, Coolidge, Olberg, Casa Grande, 14.38c; Florence, 14.43c.

Item 9, 60,000 lbs. No. 5, do, Coolidge, Olberg, Casa Grande, 14.68c; Florence, 14.73c.

Item 10, 4,000 lbs. No. 6 AWG bare, solid, hard drawn copper wire, Coolidge, Olberg, Casa Grande, 13.06c; Florence, 13.10c.

Item 11, 2,000 lbs. No. 8 do, Coolidge Olberg, Casa Grande, 13.16c; Florence 13.2c.

Item 12, 100 lbs. No. 2 AWG bare, solid, annealed copper wire, cut for tie wires, Coolidge, Olberg, Casa Grande, 13.96c; Florence, 14c.

Item 13, 200 lbs. No. 4 do, Coolidge, Olberg, Casa Grande, 14.06c; Florence, 14.10c.

Item 14, 600 lbs. No. 6 do, Coolidge, Olberg, Casa Grande, 14.16c; Florence, 14.2c.

Item 15, reels, $15 charge, $15 credit.

Item 16, reels, $10 charge, $10 credit.

A deviation from the prices shown above was made by the Copperweld Steel Co., viz.: Item 5, f.o.b. Florence 14.08c.

Other date for each bid follows:

Phelps-Dodge Copper Products Corp. discount, ½ of 1%, 10 calendar days; accepted within 7 days. Delivery 14 days.

Columbia Steel Co., discount ½ of 1%, 10 days date invoice, 30 days net. Acceptance in 7 days. Shipment: items 1 and 9, start in 2 weeks, complete in 5 weeks; items 10 to 14, start one week, complete 10 days.

John A. Roeblings Sons Co., discount: 10 calendar days, ½ of 1%; 30 days net. Cash discount on copper wire only. Acceptance in 7 days. Bid on basis of 564,000 lbs., 10% more or less, if preferred, will furnish copper mined in Arizona. Deduct 5% from credit on reels for each month after 12 months. Delivery 10 to 15 days.

Copperweld Steel Co., discount, ½ of 1%, 10 calendar days. Acceptance in 7 days. Delivery, 100,000 lbs. shipped in one week, complete in 30 days.

Graybar Electric Co., Inc., discount, ½ of 1%, 10 days, 20 days net, 30 days net. Acceptance in 7 days. Delivery: from Los Angeles and/or St. Louis factory, 3 days after receipt of order and 25,000 lbs. to 40,000 lbs. per day thereafter. Time, 6 days from Saint Louis and 2 to 3 days from Los Angeles plant.

Anaconda Wire & Cable Co., discount: Net 20 days, net 30 days; ½ of 1% 10 days from date of delivery. Shipment: first carload Great Falls, Mont., 2 days, one car each 2 days; complete in 12 days.

Westinghouse Electric Supply Co., discount: net 30 days; ½ of 1% 10 days. Discount on wire only. Shipment items 1 to 9 start in 2 weeks, complete in 5 weeks; items 10 to 14, one week; complete in 10 days.

General Cable Corp., discount: ½ of 1% 10 days. Acceptance in 7 days. Shipment from Los Angeles or St. Louis, start in 3 days, complete 25,000 to 40,000 lbs. per day; approximately 6 days to St. Louis, 2 or 3 days Los Angeles.

BIDS OPENED

SACRAMENTO, Cal.—The Del Paso Rock Products Co., H St. Road, Sacramento, submitted low bid to the Sacramento City Council, for furnishing 1000 tons of asphaltic concrete mixture for use of the Street Maintenance Division of the City of Sacramento.

A. Teichert & Son, Sacramento, at $3.65 per ton submitted only other bid. Engineer. 20

BIDS OPENED

SAN CARLOS, Ariz.—The following bids were received by the U. S. Indian Irrigation Service Engineers, 751 South Figueroa St., Los Angeles, for furnishing poles for transmission and distribution lines for the San Carlos Federal Irrigation Project No. 261, Coolidge, Ariz., opened March 15:

Southern Pine Poles

Items 1 to 26 apply to Southern pine poles, creosoted full length, roofed, with one gain and one bolt hole.

(A) Texas Creosoting Co., $49,245.-70; delivery f.o.b. plant; first carload 15 days, balance 45 days upon shipping instructions. Acceptance within 60 days.

(B) Westinghouse Electric Supply Co., Phoenix; delivery f.o.b. Lufkin, Texas, within 60 days. Bid not totaled. (Texas steamed seasoned poles). Acceptance within 10 days. No discount.

(C) National Lumber and Creosoting Co., Texarcana, Texas. (Bid not totaled.) Terms net. Acceptance within 60 days. Delivery, start in 21 days, complete in 70 days.

Unit items follow:
(1) 50 25-ft., Class 5;
(2) 1,000 30-ft., Class 5;
(3) 200 35-ft., Class 5;
(4) 100 40-ft., Class 5;
(5) 100 45-ft., Class 5;
(6) 100 50-ft., Class 5;
(7) 10 55-ft., Class 5;
(8) 10 60-ft., Class 5;
(9) 10 35-ft., Class 4;
(10) 10 40-ft., Class 4;
(11) 10 45-ft., Class 4;
(12) 10 50-ft., Class 4;
(13) 300 55-ft., Class 4;
(14) 25 60-ft., Class 4;
(15) 10 65-ft., Class 4;
(16) 10 70-ft., Class 4;
(17) 10 40-ft., Class 3;
(18) 10 45-ft., Class 3;
(19) 10 50-ft., Class 3;
(20) 300 55-ft., Class 3;
(21) 25 60-ft., Class 3;
(22) 10 65-ft., Class 3;
(23) 10 70-ft., Class 3;
(24) 10 75-ft., Class 3;
(25) seasoned gains as required;
(26) additional bolt holes as required.

Unit prices follow:

	(A) f.o.b. Coolidge	(A) f.o.b. Plant	(B) f.o.b. Lufkin	(B) f.o.b. Cool.	(C) f.o.b. Cool.
(1)....	$ 6.95	$ 4.39	$ 4.39	$ 6.96	$ 6.96
(2)....	9.25	5.86	5.86	9.25	9.25
(3)....	12.87	8.50	8.51	12.88	12.88
(4)....	16.27	11.00	10.99	16.28	16.28
(5)....	19.51	13.20	13.21	19.52	19.52
(6)....	25.60	18.14	18.14	25.59	25.59
(7)....	30.31	21.53	21.54	30.32	30.32
(8)....	35.32	25.32	25.33	35.37	35.37
(9)....	14.38	9.35	9.36	14.39	14.39
(10)....	19.22	13.16	13.16	19.52	19.52
(11)....	23.71	16.00	16.00	23.72	23.72
(12)....	30.58	21.62	21.62	30.59	30.59
(13)....	36.08	25.60	25.60	36.09	36.09
(14)....	41.23	29.63	29.63	41.23	41.23
(15)....	48.60	35.23	35.23	48.59	48.59
(16)....	54.60	39.71	39.72	54.60	54.60
(17)....	23.00	15.45	15.46	23.03	23.03
(18)....	28.00	19.08	19.09	28.04	28.04
(19)....	35.02	24.58	24.58	35.02	35.02
(20)....	41.55	29.38	29.38	41.56	41.56
(21)....	48.83	34.94	34.93	48.82	48.82
(22)....	57.93	41.96	41.97	57.94	57.94
(23)....	64.83	47.14	47.15	64.84	64.84
(24)....	74.07	54.42	54.44	74.09	74.09
(25)....	.06	.06	.06	.06	.06
(26)....	.02	.02	.02	.02	.02

Douglas Fir Piles

Items 27 to 52 apply to Douglas fir poles, creosoted full length, roofed, with one gain and one bolt hole.

(A) Consolidated Lumber Co., prices net. Acceptance in 30 days.

(B) Chas. R. McCormick Lumber Co. $30,185.45. No discount. Acceptance in 7 days. Delivery f.o.b. St. Helens, Ore. Start within 30 to 45 days; complete in 90 days. Foreign creosote.

Unit items follow:
(27) 50 25-ft., Class 5;
(28) 1,000 30-ft., Class 5;
(29) 200 35-ft., Class 5;
(30) 100 40-ft., Class 5;
(31) 100 45-ft., Class 5;
(32) 100 50-ft., Calss 5;
(33) 10 55-ft., Class 5;
(34) 10 60-ft., Class 5;
(35) 10 35-ft., Class 4;
(36) 10 40-ft., Class 4;
(37) 10 45-ft., Class 4;
(38) 10 50-ft., Class 4;
(39) 300 55-ft., Class 4;
(40) 25 60-ft., Class 4;
(41) 10 65-ft., Class 4;
(42) 10 70-ft., Class 4;
(43) 10 40-ft., Class 3;
(44) 10 45-ft., Class 3;
(45) 10 50-ft., Class 3;
(46) 300 55-ft., Class 3;
(47) 25 60-ft., Class 3;
(48) 10 65-ft., Class 3;
(49) 10 70-ft., Class 3;
(50) 10 75-ft., Class 3;
(51) additional gains as required;
(52) additional bolt holes as required.

	(A) Wilmington	(B) St. Helens	(B) Coolidge
(27).....	$ 5.35	$ 5.38	$ 8.38
(28).....	6.70	6.88	10.68
(29).....	8.25	8.13	12.83
(30).....	9.90	10.13	15.88
(31).....	13.85	14.03	21.98
(32).....	15.40	15.63	24.48
(33).....	17.90	17.88	28.03
(34).....	20.60	20.63	32.28
(35).....	9.55	9.88	15.43
(36).....	11.60	11.88	18.58
(37).....	14.70	14.68	23.03
(38).....	18.35	18.13	28.33
(39).....	20.15	20.38	31.58
(40).....	24.80	24.38	37.73
(41).....	28.40	27.13	42.28
(42).....	28.90	29.53	46.58
(43).....	14.70	14.53	22.53
(44).....	17.60	17.13	26.68
(45).....	20.40	20.13	31.28
(46).....	24.05	23.38	36.18
(47).....	27.60	26.63	41.23
(48).....	31.45	30.13	46.68
(49).....	35.85	33.53	52.13
(50).....	40.20	37.63	58.38
(51).....	.02	.03	.....
(52).....	.02	.02	.....

Western Red Cedar

(A) Naugle Pole & Tie Co., $33,736.30 Delivery 30 days, Washington or Oregon. Discount, 10 days 2%; 20 days 1%.

(B) J. H. Baxter & Co., Los Angeles, $34,273.30. Delivery, Long Beach, 5 days.

Items 53 to 78 apply to Western red cedar poles, creosoted full length, roofed, with one gain and one bolt hole.
(53) 50 25-ft., Class 5;
(54) 1,000 30-ft., Class 5;
(55) 200 35-ft., Class 5;
(56) 100 40-ft., Class 5;
(57) 100 45-ft., Class 5;
(58) 100 50-ft., Class 5;
(59) 10 55-ft., Class 5;
(60) 10 60-ft., Class 5;
(61) 10 35-ft., Class 4;
(62) 10 40-ft., Class 4;
(63) 10 45-ft., Class 4;
(64) 10 50-ft., Class 4;
(65) 300 55-ft., Class 4;
(66) 25 60-ft., Class 4;
(67) 10 65-ft., Class 4;
(68) 10 70-ft., Class 4;
(69) 10 40-ft., Class 3;
(70) 10 45-ft., Class 3;
(71) 10 50-ft., Class 3;
(72) 300 55-ft., Class 3;
(73) 25 60-ft., Class 3;
(74) 10 65-ft., Class 3;
(75) 10 70-ft., Class 3;
(76) 10 75-ft., Class 3;
(77) additional gains as required;
(78) additional bolt holes as required.

	(A) f.o.b. Coolidge	(B) f.o.b. Long Beach
(53).....	$ 6.17	$ 7.25
(54).....	8.26	7.92
(55).....	10.66	10.17
(56).....	12.32	12.52
(57).....	16.51	14.47
(58).....	19.20	18.81
(59).....	21.84	21.21
(60).....	24.38	24.16
(61).....	10.91	11.20
(62).....	13.88	13.53
(63).....	16.51	16.51
(64).....	19.20	20.62
(65).....	21.84	23.24
(66).....	24.38	26.47
(67).....	28.38	30.93
(68).....	35.03	34.09
(69).....	15.52	15.15
(70).....	17.04	18.09
(71).....	20.85	22.54
(72).....	23.64	25.41
(73).....	26.30	28.99
(74).....	29.96	33.69
(75).....	36.43	37.13
(76).....	42.25	40.73
(77).....	.10	.06
(78).....	.05	.02

CONTRACT AWARDED

ST. HELENA, Napa Co., Cal.—Harry Thorsen, St. Helena, at $3.00 per yard (item 1) nd $64.75 per ton (item 2) and McKinnon-McNair, St. Helena, at $29.00 per MFBM (item 3) awarded contracts by the St. Helena city council for furnishing the following materials f.o.b. Upper St. Helena Reservoir:
(1) 300 yds. crushed rock and 150 yds. sand;
(2) 15 tons reinforcing steel;
(3) 7,000 bd. ft. 1x6 sheeting, common, and 800 bd. ft. 2x4 common.

Complete bids follow:

Harry Thorsen, St. Helena: $3.00 per yard (item 1); $64.75 per ton (item 2).

T. McGill, Valejo: $1.75 per yard (gravel) and $2.00 per yard (sand) (item 1).

McKinnon-McNair, St. Helena: $29 per MFBM (item 3).

Soule Steel Co., San Francisco: $64.-75 per ton (item 2).

Truscon Steel Co., San Francisco: $64.75 per ton (item 2).

Gunn, Carle & Co., San Francisco: $64.75 per ton (item 2).

Pacific Coast Steel Co., San Francisco: $64.75 per ton (item 2).

John A. Mitchell, engineer; W. L. Huber, constulting engineer.

CONTRACT AWARDED

FORT PECK, Mont.—Goodman Mfg. Co., Chicago, at $53,182 awarded contract by the U. S. Engineer, Kansas City, Mo., for furnishing 160 cast steel ball joints for 28-in. pipe line suction dredge unit for Fort Peck Dam Project, near Glasgow, Montana.

CONTRACTS AWARDED

LOS ANGELES, Cal.—The following contracts were awarded by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, for furnishing:
(1) lumber, f.o.b. cars or trucks Los Angeles, under Bid No. 21340;
(2) mining wedges, f.o.b. Los Angeles Harbor, for delivery to Indio, under Bid No. 21322;
(3) Lumber, f.o.b. cars mills, under Bid No. 20768.

Item 1—Herzog Lumber & Door Co., Los Angeles, at $908.25.

Item 2—Hammond Lumber Co., Los Angeles, at $615.00.

Item 3—Daugherty Lumber Co., Los Angeles, at $2,645.10.

CONTRACTS AWARDED

PETALUMA, Sonoma Co., Cal.—Sylva & Ellis, 111-115 Bodega Ave., Petaluma, awarded contract by the Petaluma City Council for furnishing crushed rock, sand, reinforcing steel, etc., and M. Vonsen, 1st and D Sts., Petaluma, awarded contract for furnishing cement. The above materials are to be used in the reconstruction of a retaining wall. Twelve bids were received by the city council March 19.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

CALIFORNIA STATE

EUREKA, Cal.—Until March 26, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, at the office of the Dist. Engineer, 546 West Wabash Avenue, Eureka, for rental of dump trucks as follows:

(1) 4 3½-yd. dump trucks for not more than 1500 hours; trucks must be available for use on March 27 at Garberville, in Humboldt Co.
(2) 2 3½-yd. dump trucks for not more than 1000 hours; trucks must be available for use on March 27 at Garberville in Humboldt Co.
(3) 2 3½-yd. dump trucks for not more than 350 hours; trucks must be available for use on April 9 at Garberville in Humboldt County.
(4) 4 3½-yd. dump trucks for not more than 650 hours; trucks must be available for use on April 9 at Garberville in Humboldt County.
(5) 2 3½-yd. dump trucks for not more than 400 hours; trucks must be available for use on March 27 at Boonville in Mendocino County.
(6) 2 3½-yd. dump trucks for not more than 500 hours; trucks must be available for use on March 27 at Crescent City in Del Norte Co.

All trucks must be equipped with a compound gear in reverse; must be not less than 3-ton trucks, equipped with not less than 3½-yd. capacity power bodies; must be equipped with pneumatic tires, and must not be over 5 years old, and in good running order.

Specifications available from above office and on file at the office of the PACIFIC CONSTRUCTOR.

BURLINGAME, Ca..—Until March 26, 2 P. M., bids will be received by W. F. Holbrook, Maintenance Superintendent, Box 616, Burlingame, for the rental of dump trucks as follows:

(1) 3 only 3-ton capacity pneumatic tired dump trucks not oved 4 years old and in good condition for approximately 100 days. Trucks to be used in the vicinity of San Mateo.
(2) 2 only 3-ton capacity pneumatic tired dump trucks not over 4 years old and in good condition for approximately 100 days. Trucks to be used in vicinity of San Mateo.
(3) 1 only 3-ton capacity pneumatic tired dump truck not over 4 years old and in good condition for approximately 75 days. Truck to be used in the vicinity of Santa Cruz.

Specifications obtainable from above office

SALINAS CITY

SALINAS, Monterey Co., Cal. — Until April 10, 7:30 P. M., bids will be received by the Board of Trustees of the Salinas Union High School Dist., for furnishing two 36-passenger and two 48-passenger school busses. The trustees invite representatives of chassis manufacturers to meet with them at 7:30, March 23, to discuss specifications. A similar meeting of body manufacturers' representatives will be held April 5, at 7:30.

U. S. INDIAN SERVICE

PHOENIX, Ariz.—Until March 30, 2 P. M., bids will be received by the Indian Field Service, 4100 Rhodes Circle, Phoenix, for furnishing the following materials for Phoenix Indian School:

SHINGLES, rigid asbestos, Johns-Manville or equal; 200 squares;
NEEDLE POINT SQUARES, 2-inch galv.; 300 lbs.;
CLINCHERS, copper; 19,000.

Specifications obtainable from above office. Delivery f.o.b. Phoenix, and f.o.b. bidder's shipping point.

PARKER, Ariz.—Until March 26, 2 P. M., bids will be received by the U. S. Indian Irrigation Service, 751 S Figueroa St., Los Angeles, for furnishing creosoted-treated Douglas fir lumber f.o.b. bidder's shipping point (place to be named) and/or f.o.b. Parker, for use on the Colorado river Indian Irrigation Proj., Federal Project No. 263, Parker, Ariz.

MESA, Arizona—Bids will be received by the Superintendent of Construction, 305 Federal Bldg., Albuquerque, N. M., for materials for Mesa, Arizona, as follows:

March 28:
(1) ROOFING TILE, sloping roof tile materials only;
(2) Approximately 750 squares Asbestos Felt; 20,000 lbs. roofing asphalt, and 12,000 sq. ft. Waterproof Felt;

March 27:
(1) Approximately 20,000 lbs. Keene's cement;
(2) Approximately 4000 lbs. reinforcing bars, and 10,000 sq. ft. wire mesh;
(3) Approximately 6000 bricks, common, face and fire; and 84 lin. ft. vitrified tile flue lining.

Specifications obtainable from above office.

SCHURZ, Mineral Co., Nevada—Until March 28, bids will be received by the U. S. Indian Irrigation District No. 2, 508 Federal Bldg., Salt Lake City, Utah, for furnishing approximately 105,000 lbs. various sizes deformed reinforcing steel, for use at Reservation Station, Nevada, near Schurz. H. W. Camp, Superintendent. Specifications available at the office of the Department of the Interior Warehouse for Indian Supplies, 23 Appraisers Bldg., San Francisco.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until March 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 868 for furnishing 42 dozen pick mattocks, steel, oil finish, polish bevel.

Specifications obtainable from above office. Delivery f.o.b. bidder's shipping point.

GOVERNMENT ISLAND, Oakland, Cal.—Until March 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland for furnishing under Invitation Bid No. 869: replacement parts for Davey air compressor, 6x6-in. Delivery f. o. b. Yreka.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Oakland Cal.—Until March 26, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, as follows. Bid 871. Delivery f.o.b. bidder's shipping point:

CANS, gasoline, 5-gal. capacity; 48;
FUNNELS, filtering; 46;
HAMMERS, claw; 36;
OUTFITS, repairing shoe; 22;
SAWS, cc hand, 26-in. 8 pt.; 20;
SCREW DRIVERS, 10½-in. overall; 34;
GAUGE, raker, saw; 34;
BLOCKS, setting, saw; 34;
HAMMERS only, setting, saw; 34;
EXTINGUISHERS, fire, 1-qt. capacity 8.

Bid 872; delivery f.o.b. Government Island:

KITS, pocket, fire pump repair parts, in substantial khaki pouch with zipper fastener; 48.

Secifications obtainable from above office.

BERKELEY CITY

BERKELEY Alameda Co., Cal.—Until March 27, 10 A. M., bids will be received by Berkeley City Council for furnishing a tractor of 38 drawn bar horsepower.

WAR DEPARTMENT

FORT MASON, San Francisco—Until March 26, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 790-60-34"A," Memo. 3571, for furnishing 2800 pcs. Douglas Fir lumber.

Specifications obtainable from above office. Delivery f.o.b. Fort Mason on or before April 20.

PORTLAND, Ore.—Until March 27, 3 P. M., bids will be received by the U. S. Engineer Office, C. F. Williams, district engineer, 306 Customhouse, Portland, for dry docking, cleaning & painting and repairing U. S. Dredge "Col. P. S. Michie," under Invitation Bid No. 34-547.

Specifications obtainable from above office.

MONTEREY, Monterey Co., Calif.—Until March 31, 10:30 A. M., bids will be received by the Quartermaster, Purchasing and Contracting Officer Presidio of Monterey, for furnishing under Schedule No. 688-34-36, pipe (welded steel) fittings, tees, elbows, and flanges.

Specifications obtainable from above office.

FORT LEWIS, Wash.—Until March 27, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, for furnishing the following miscellaneous supplies under Req. 6105-34-44:

Black steel gas pipe, stop cocks, iron body valves, valve boxes, road box covers, asphalt varnish and couplings.

Specifications obtainable from the above office.

HAMILTON FIELD, San Rafael, Cal.—Until March 28, 11 A. M., bids will be received by the office of the Air Corps Supply Officer, Hamilton Field, for furnishing chain hoist and trolleys.

Specificationts obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

CLARK COUNTY, Nevada—Until Mar. 28, 2 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, Nevada, for reconstructing 4.37 miles of Route 6, Section E-1, in Clark County, between 4.4 miles southwest of Crystal and Crystal, including an underpass and a reinforced concrete bridge, involving:

(1) 55,100 cu. yds. rdwy. excav.;
(2) 22,193 cu. yds. select borrow;
(3) 1250 cu. yds. struc. excav.;
(4) 210 cu. yds. Class A concrete;
(5) 708 cu. yds. Class B concrete;
(6) 51,200 lbs. relnf. steel;
(7) 84,300 lbs. struc. steel;
(8) 1125 lbs. castings;
(9) 254 lin. ft. 15-in. CMP;
(10) 46 lin. ft. 18-in. CMP;
(11) 100 lin. ft. 24-in. CMP;
(12) 369 lin. ft. 2-ft. x 15-ft. laminated culvert;
(13) 36 lin. ft. 3-ft. x 2-ft. do;
(14) 46 lin. ft. 3-ft. x 3-ft. do;
(15) 36 lin. ft. 4-ft. x 4-ft. do;
(16) 78 lin. ft. 6ft. x 3-ft. do;
(17) 4.7 M.F.B.M. redwood;
(18) 1100 cu. yds. handlaid riprap;
(19) 28 remove headwalls;
(20) 426 lin. ft. remove culvert pipe;
(21) 28 lin. ft. relay culvert pipe;
(22) 26 monuments;
(23) Lump sum, shoo fly;
(24) 4.37 miles subgrade;
(25) 23,000 cu. yds. crushed gravel or stone surface;
(26) 96,192 gals. asph. road material Type SC-2;
(27) 7054 gals. asph. road material Type MC-2;
(28) 4.37 miles roadmix;
(29) 4.37 miles finish roadway.

Plans and specifications obtainable from above office on deposit of $5.00; $2.50 returnable; and also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

NOTICE TO BIDDERS

MONTEREY COUNTY, Cal.—C. H. Purcell, State Highway Engineer, has issued the following table showing the cost of blue line prints for the bridge project on which bids will be opened April 4. (A blue line print of the title sheet of the plans showing the general location of work will be furnished free):

V - Mon - 56 - D bridge across Dolan Creek: Plans, (No. of Sheets) 16; (Cost) $1.60; Cross-Sections, (No. of Sheets) and (Cost) none; (Total) $1.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to the office at Sacramento.

AWARD RECOMMENDED

SAN DIEGO, Cal.—M. H. Golden, 404 California Bank Bldg., San Diego, at $3150 has been recommended for award by the Public Works Officer, 11th Naval District, San Diego, for constructing a timber float 32x50 ft. and the delivery of float to the Navy Pier, Supply Depot, Foot of Broadway, San Pedro. The other bids were: Ira M. Johnson, $3800; Olmstead Bldg. Co., $4040; Lipscomb & Arnett & Shadck, $4059; San Diego Marine Construction Co., $5826; H-N Boat Shop, $5987; Club Boat Shop, $6940. The bids were opened March 15.

CONTRACT AWARDED

WALLOWA COUNTY, Ore.—J. F. Johnston, Newberg, Ore., at $17,678.00 awarded contract by the U. S. Bureau of Public Roads, Portland, for construction of three bridges on the Enterprise-Imnaha Highway over Inmaha river, Camp and Butte creeks, Project NR-39-A1, National Forest Road Project, located within or adjacent to Wallowa National Forest, Wallowa County. The three bridges consist of varying spans as follows: Imnaha river, one 76-ft. I-beam span with two 20-ft. and one 13-ft. framed trestle spans; Camp creek, one 70-ft. and two 13-ft. 6-in. I-beam spans, and Butte creek, one 50-ft. I-beam span. W. H. Lynch, district engineer.

BIDS WANTED

KING COUNTY, Wash.—Until April 9, 10 A. M., bids will be received by the Board of County Commissioners of King County, Court House, Third and James Sts., Seattle, for construction of a reinforced concrete bridge 570 ft. long (State Park Bridge) on Puget Sound Marine View Dr. (State Park Section) Federal Public Works Project No. 4145, involving:

(1) 1,230 cu. yds. struc. excav., including backfill;
(2) 1,050 cu. yds. Class A concrete;
(3) 658 cu. yds. Class B concrete;
(4) 319,700 lbs. steel reinf. bars;
(5) 8,220 lbs. struc. steel in place;
(6) misc. items of work.

Plans and specifications obtainable from the county engineer's office at above address. Geo. A. Grant, clerk.

AWARD

LOS ANGELES COUNTY, Cal.—J. L. McClain, 3452 Slauson Ave., Los Angeles, at $41,587 awarded contrasct by the State Highway Commission, Sacramento, for construction of an overhead crossing over the tracks of the Southern Pacific Co. spur to the Hercules Powder Co. in Los Angeles, consisting of four 39-ft. 6-in. reinforced concrete girder spans on concrete bents and footings.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—Lord & Bishop, Box 355, Oroville, at $126,319 awarded contract by the State Highway Commission, Sacramento, for widening existing arch bridge across American River, about one mile north of Sacramento, and grading and surfacing approaches with Portland cement concrete pavement, in Sacramento County.

CONTRACT AWARDED

SPOKANE, Wash.—Western Construction Co., 1404 Textile Tower, Seattle Wash., at $180,177.40 awarded contract by the Bureau of Reclamation, Columbia Basin Commission, Spokane, for construction of two concrete piers for the Grand Coulee Bridge below the Grand Coulee damsite on the Columbia River.

BIDS WANTED

LOS ANGELES, Cal.—Until April 9, 2 P. M., bids will be received by the Los Angeles County Supervisors for widening Western Avenue viaduct south of 114th St., over the Pacific Electric Railway. The proposed project will consist of widening the present viaduct from 21 ft. to 56 ft., involving construction of eleven spans of 22 ft. each with a total length of 242 ft. reinforced concrete, steel girders and concrete railings.

Plans were prepared by W. B. Armstrong, county bridge engineer, 12th floor, Hall of Records. Mame B. Beatty, clerk of the board, 501 Hall of Records.

BIDS TO BE ASKED

LOS ANGELES, Cal.—Bids for the construction of the Figueroa St. tunnel, No. 4, will be called by the Board of Public Works probably within the next few days. The plans were submitted to the Board by R. W. Stewart, bridge engineer, March 20, and it is probable that a date for bids will be set so that bids may be received within the next 60 days. The proposed tunnel will be approximately 755 ft. in length, 46 ft. 6-in. in width, with a 40-ft. roadway and a 5-ft. walk and 1½-in. wheel guard, and will be driven through the ridge of hills between Bishops Road and Solano St., the latter street being the present south portal of the recently completed series of three tunnels connecting Dayton Ave. with Solano St., and thence to North Broadway. The distance between the completed tunnel measured from the Solano Street entrance and the north entrance to the proposed tunnel will be approximately 800 ft. The sum of $550,000 has been allocated from state and federal aid funds toward the cost of the project. The work involves:

1,034 cu. yds. Class F concrete exclusive of concrete in tunnel sections, CIP;
200 cu. yds. Class G concrete, complete in place;
500 sacks grout behind tunnel lining, complete in place; lump sum bid reinf. steel exclusive of the reinf. steel in the tunnel sections, complete in place;
715 lin. ft. tunnel section No. 1, complete in place; lump sum bid tunnel section No. 2, complete in place; lump sum electrical conduit system, complete in place; lump sum lighting system, complete in place;
1,165 sq. yds. white glazed tiling, complete in place; lump sum bid plaster finish, complete in place;
600 lin. ft. 2-in. grout pipes, complete

in place; lump sum bid grading;
2,000 cu. yds. removal of slides;
46,384 sq. ft. conc. pave., 8-in. thick;
40,360 sq. ft. conc. base, 6-in. thick;
39,812 sq. ft. Warrenite - Bitulithic wearing surface, 2-in. thick;
1,957 sq. ft. white conc. traffic lines, 1¼-in. thick;
548 sq. ft. white do, 2-in. thick;
10,884 sq. ft. 1-course sidewalk, 3-in. thick;
1,167 lin. ft. heavy unplastered curb;
1,536 lin. ft. special unplas. curb;
19 sq. ft. concrete gutter, 6-in. thick;
3,640 sq. ft. comb. gutter, 8-in. thick;
19 lin. ft. integral curb and gutter;
33 lin. ft. curb armor;
Lump sum bid sewers;
Lump sum bid storm drain.

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until April 2, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for the following:

Bid 873—One 55-ft. beam span, furnishing and fabricating all structural steel, bolts and miscellaneous steel portions necessary for complete erection. Delivery f.o.b. bidders shipping point and/or Hilt, Calif.

Bid 874—One 129 ft. 6-in. truss span furnishing and fabricating all structural steel, bolts for field connections, superstructure bolts and all miscellaneous steel portions necessary for complete erection. Bridge pins, steel castings, and anchor bolts are not part of this contract. Delivery f.o.b. bidders shipping point and/or f.o.b. Kentucky House, S. P. R. R.

Specifications obtainable from above office. For information see U. S. Forest Service, Bridge Engineer, 85 Second St., San Francisco.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

HARRINGTON POINT, Wash.—Until March 27, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Spec. No. 34-541, for constructing a pile and stone dike in Columbia river at Harrington Point, Wash., about 89 miles below Portland, involving:
(1) 46,500 lin. ft. piles, in place;
(2) 14.6 MFBM lumber, in place;
(3) 10,200 lbs. hardware, in place;
(4) 11,600 cu. yds. stone, in place.

Specifications and plans obtainable from above office.

March 17, 1934

BIDS WANTED

CLARK COUNTY, Nevada—Until March 28, 3:15 P. M., bids will be received by the Directors of the Department of Highways, S. G. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, Nevada, for construction of a reinforced concrete bridge in Clark County, near Mesquite, Route 6, Section H-1, a length of approximately 0.006 miles, involving:
(1) 5200 cu. yds. roadway excavation;
(2) 200 cu. yds. struc. excav.;
(3) 159 cu. yds. Class A concrete;
(4) 15,000 lbs. reinforcing steel.

Plans and specifications obtainable from above office upon deposit of $5.00; $2.50 returnable; and also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

March 17, 1934

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until March 28, 11 A. M., bids will be received by the Board of Supervisors of Humboldt County, Fred M. Kay, Clerk, Court House, Eureka, for the construction of a pile trestle bridge across Prairie Creek near Orrick in Road Dist. No. 5 in Humboldt County.

Plans and specifications obtainable from County Surveyor, Frank Kelly, at above address.

BIDS WANTED

LOS ANGELES, Cal.—Until April 4, 11 A. M., bids will be received by the General Manager of the Los Angeles Harbor Department, Rm. 405, Branch City Hall, 7th and Beacon Streets, San Pedro, for finger piers, wharves, and miscellaneous construction for Los Angeles Fish Harbor Extension; Spec. No. 929 PWA. The project, located off the south shore of Terminal Island, consists of constructing six creosoted timber pile and timber deck finger piers and two wharves, each 30-ft. in width and of variable length and approximating 187,300 sq. ft. in total area. The estimated quantities follow:
1,251 only creosoted timber piles, 16-lb. treatment, 60,124 ft.;
166 only creosoted timber logs, 12-lb. treatment, 9,240 ft.;
54 MFBM creosoted bracing and misc. timbers, 16-lb. treatment;
671 MBM untreated fir bracing, various grades and sizes;
360 MBM Port Orford cedar decking;
259 only cast iron mooring cleats;
332 only assemblies of fender log, chains and anchors;
231 lin. ft. conc. mole curbing, remove and resurface;
15 only concrete pedestals, creosoted pile stubs;
140 lin. ft. rubble rock bulkhead, wall, remove and trim;
100 lin. ft. rubble conc. retaining wall;
10,580 sq. ft. 7-in. asph. conc. paving, including grading;
2,900 sq. ft. 3-in. asphaltic conc. wearing surface over pavement;
14,000 sq. ft. grading for pavement;
Miscellaneous hardware, paint, electrical work, etc.

Bids will be taken as follows:

(1) Construct, complete, eight finger piers and wharves with fender system, pile entrance beacon, paved approaches to piers, lump sum;

(2) Construction, complete, exclusive of fender system, logs, chains and anchors, lump sum;

(3) Driving additional length of piling, per lin. ft.

Estimated cost of project is $150,000. Plans and specifications obtainable from Harbor Engineer, Branch City Hall, San Pedro.

BIDS OPENED

OREGON - WASHINGTON — Albin Walter Norblad, Jr., Gunderson Bldg., Astoria, Oregon, at $76,000 submitted low bid to the U. S. Engineer Office, Portland, Oregon, for dredging in Baker Bay, a channel 200 feet wide on the bottom and 10 ft. deep at mean lower low water extending from deep water near the easterly end of Sand Island, Columbia River, for a distance of about 3½ miles to the Port of Ilwaco, Wash., involving 950,000 cu. yds. of material, under Spec. No. 34-536. Complete bids follow:
Albin Walter Norblad, Jr., Gunderson Bldg., Astoria, Ore., $76,000.
General Constr. Co. 3840 Iowa St., Seattle, Wash. $83,125.
Contracting officer's estimate of the cost of doing the work with Government plant and hired labor, $66,500.

C. F. Williams, District Engineer.

BIDS WANTED

LOS ANGELES, Cal.—Until April 4, 11 A. M., bids will be received by the General Manager of the Los Angeles Harbor Department, Rm. 405, Branch City Hall, 7th and Beacon Streets, San Pedro, for rock entrance jetties for Los Angeles Fish Harbor Extension; Spec. No. 928, PWA. The project consists of furnishing and placing approximately 46,520 cu. yds. finished measurement, of quarry rock for two rock mound jetties to be located at entrance to Fish Harbor extension off the south shore of Terminal Island. The east jetty will consist of the extension of existing Fish Harbor Mole for a distance of 160 ft. southerly. West jetty will project from northeast corner of the U. S. Government reservation in a northeast direction for a distance of 580 ft.

Estimated quantities of rock in the east jetty are:
Class 1, approx. 7,200 cu. yds.;
Class 2, approx. 1,260 cu. yds.;
Class 3, approx. 2,930 cu. yds.

Estimated quantities of rock in the west jetty are:
Class 1, approx. 20,690 cu. yds.;
Class 2, approx. 3,850 cu. yds.;
Class 3, approx. 10,560 cu. yds.

Bids will be taken as follows:

(1) Furnish and install all rock work, including Classes 1, 2 and 3, placed in position in two jetties, lump sum;

(2) Furnish and install all rock work, including railroad freight rates from quarry, lump sum.

(3) Unit price per short ton for rock in place, including freight rates.

(4) Unit price per short ton for rock in place, including freight rates.

Estimated cost of project is $150,000. Plans and specifications obtainable from Harbor Engineer, Branch City Hall, San Pedro. Carl B. Wirsching, general manager.

PLANS COMPLETED

HUENEME, Ventura Co., Cal.—Col. Wm. T. Leeds, Chief Engineer, Hueneme Dock Corp., 605 W 10th Street, has completed plans for dredging and for the construction of jetties for the proposed harbor of Hueneme which the above corporation will construct under recent PWA allotments and private capital. The government has allocated to this work, $1,600,000. The total cost is estimated at $2,500,000, including wharves, sheds, etc. The plans for the wharves are being prepared now. A call for bids for the dredging and jetty work will be issued probably within the next 30 days. Bids will be taken on the following items:

SCHEDULE A

(1) 650,000 cu. yds. dredging of outer portion of entrance canal and deposit material within 2500 ft. from center;
(2) 850,000 cu. yds. dredging from inner portion of entrance canal and inner basin and deposit within 2,500 ft. (air line) from center of **central basin;**
(3) 1,500,000 cu. yds. dredging, as in Item 2, except that material is to be deposited beyond 2500 ft. but less than 4000 ft.;
(4) 1,520,000 cu. yds. dredging (as in Items 2 and 3) except that material is to be deposited more than 4000 ft. and less than 7000 ft. from center line;
(5) Alt. 150,000 cu. yds. of clamshell dredging along south side of basin and deposit within 75 ft.;
(6) Alt. 150,000 cu. yds. dragline dredging along south side of basin and deposit within 75 ft.;
(7) Alt. 350,000 cu. yds. clamshell dredging along edge of entrance canal and deposit within 75 ft.;
(8) Alt. 350,000 cu. yds. dragline dredging along edge of entrance canal & deposit within 75 ft.;

Note: Items 5 and 6 are alternate to part of item 2; Items 7 and 8 are alternate to parts of Items 1 and 2.

SCHEDULE B

(1) 58,000 tons rock in east jetty;
(2) 87,000 tons rock in west jetty;
(3) 50,000 tons revetment for entrance canal slopes;
(4) 17,000 tons revetment for slope under wharf;

(5) 650 tons rock in spur on east;
(6) 500 tons rock in spur on west jetty
(7) 17,000 sq. ft. Wakefield sheet piling.

Specifications call for rock 160 lbs. to the cubic foot.

The Hueneme Dock Corp., the company which will build the projected Hueneme Harbor, has filed articles of incorporation with the Secretary of State. The company will issue 57,000 shares of stock, of which 24,000 shares will have a par value of $100 a share, and 33,000 shares will be common stock. Voting power is reserved to the common stock. The directors are: Richard Bard, Herbert Lyttle, Joseph D. McGrath, H. A. Forbes, Leon Lehmann, E. O. Green, Robert Munn, H. W. Bubb and J. D. Melone.

AWARD

LOS ANGELES COUNTY, Cal.—E. G. Perham, 1128 Stearns Drive, Los Angeles, at $5370 awarded contract by the State Highway Commission, Sacramento, for constructing timber pile current reflectors at the downstream ends of five bridge piers, and channel to be cleared of obstructions, at the San Gabriel River Bridge near Whittier in Los Angeles County.

23— IRRIGATION PROJ.

CONTRACT AWARDED

PORTLAND, Oregon—Kuckenberg-Wittman Co., Inc., 226 Board of Trade Bldg., Portland, at $32,640 awarded contract by the War Department (U. S. Engineer, Portland), for constructing about 600 ft. of approach tramway, 2500 ft. of pile and timber dikes of various types of construction, with trackage and about 400 ft. of pile and timber groins, located on the east end of Sand Island, Columbia River, about 10 miles below Astoria. C. F. Williams, District Engineer.

CONTRACTS AWARDED

CASPER, Wyo.—The following contracts were awarded by the Bureau of Reclamation, Casper, for constructing earthwork, tunnels and structures Casper Canal, Station 0 to Station 190, Casper-Alcova PWA Project, Wyo.; Spec. No. 564:

Utah Const. Co., Ogden, $225,990.09 (Schedule No. 1, Canal Headworks Sstructure and Tunnel No. 1, Casper Canal, Station 0 to Station 32 plus 00).

J. A. Terteling Sons, Boise, Idaho, $89,000.00 (Schedule No. 2, Earthwork and Structures, Casper Canal, Station 32 plus 00 to Station 101 plus 50; Tunnel No. 2) and Station 149 plus 35 (Tunnel No. 2) to Station 190 plus 00.

Edward Peterson, Omaha, Nebraska $293,000.00 (Schedule No. 3, Tunnel No. 2, Casper Canal, Station 101 plus 50 to Sta. 149 plus 35).

25—MACHINERY AND EQUIPMENT

LOW BIDDERS

BREMERTON, Wash.—Judson,Pacific Co., 609 Mission St., San Francisco, at $50,248 submitted low bid to the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., for furnishing seven cranes to be installed in the machine and electric shop building at Bremerton.

The Undershrier Sales Co., Milwaukee, Wisc., at $52,635 submitted second low bid; third, Sheppard Niles, Philadelphia, at $55,500.

The bids were opened March 15.

BIDS OPENED

MARE ISLAND, Cal.—The following bids were received by the Bureau of Supplies and Accounts, Navy Department, for furnishing two switching locomotives and spares, Mare Island, Lot No. 1518:

American Locomotive Co., New York City, $81,688.94.

Atlas Car & Mfg. Co., Cleveland, O., $83,664.44; $69,720.78 and $80,605.60.

Fate-Root Heath Co., Plymouth, O., $94,628.42 and $83,233.52.

Ingersoll-Rand Co., New York City, $104,368.16.

Vulcan Iron Works, Wilkes-Barre, Pa., $93,974.00.

Differential Steel Car Co., Findlay, O. (Item 1) $96,000; alt. $46,000 each plus $1,500.

CONTRACT AWARDED

OAKLAND, Cal.—Wieland Equipment Co., 2657 Ninth St., Berkeley, at $8975 awarded contract by the East Bay Municipal Utility District, Oakland, for furnishing a power shovel with one cubic yard capacity, under informal proposal No. 512.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the Bureau of Purchases, Sacramento, under Req. No. 7913, for furnishing 1 8-ft. solid-tired L. W. Grader with front scarifier attachment, for delivery f.o.b. Stockton:

Austin Western Road Machinery Co., San Francisco, Austin No. 8, $1444.

Jenison Machinery Co., San Francisco, Galion 88, $1444.

J. D. Adams Co., San Francisco, Adame No. 83, $1444.

Midland Tractor Co., Sacramento, Cat. 33, $1460.

L. F. Grimsley, Inc., Stockton, Cat. 83, $1460.

Moore Equipment, Stockton, Allis-Chalmers No. 10, $1741.

All 2%, 30 days, and all plus tax.

BIDS OPENED

WASHOE COUNTY, Nev.—Following bids received by Board of County Commissioners, Court House, Reno, for furnishing one 3-ton truck with hydraulic hoist, three-yard body, dual pneumatic tires on rear, dual reduction gear, and 156-in. wheel base:

Sterling Motor Truck Co., 103 Court St., Reno, $3,700.

International Truck Co., 241 S Virginia St., Reno, $4,038.

Indiana Truck, 221 S Virginia St., Reno, Model 95DR, $2,479.50; Model 17 A-DR, $3,995; Model 17 White-Indiana, $3,625.

Studebaker, 4th and Sierra, Reno, $2,521.

G. M. C., S Virginia St. and Ryland, Reno, $2,755.

Osen Motor Sales Co., Virginia and Moran, Reno, $5,526.

Reo Nevada Co., 103 Court St., Reno $3,009.

Action on award of the contract has been delayed until after June taxes come in.

BIDS OPENED

LOS ANGELES, Cal.—Herberts Machinery Co., 2929 Santa Fe Ave., Vernon, at 1700 f.o.b. factory, submitted low bid to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, for furnishing one universal and tool grinding machine; Spec. No. 1395.

Complete bids follow:

Herberts Machinery Co., (1) lump sum, f.o.b. cars factory, $1700; (2) f. o. b. cars 1630 N Main St., $1791; (3) allowance for used tool and cutter grinder, $250 (4) factory location, Worcester, Mass.; (5) type, Norton No. 2.

Pratt & Whitney Co., (1) $2115; (2) $2190; (3) $200; (4) Providence, R. I.; (5) B. & S. No. 13.

Smith, Booth, Usher Co., (1) $2350; (2) $2475; (3) $350; (4) Wayneboro, Pa.; (5) Landi Type E.

Eccles & Davies Machinery Co., (1) $2755; (2) $2896; (3) $250; (4) Fitchbury, Mass.; (5) Bath.

All bids net.

BIDS OPENED

SACRAMENTO, Cal.—A. L. Young Machinery Co., Inc., 26 Fremont St., San Francisco, at $247 each submitted low bid to the State Purchasing Agent, Sacramento, for three asphalt heating kettles, 110 gals. capacity, etc., f.o.b San Diego; Quotation No. 33264, Req. No. 429. Complete bids follow:

A. L. Young Mchy Co., S. F.	$247
Standard Oil Co., S. F.	260
Garlinghouse Bros., L. A.	267
Smith Booth Usher Co., L. A.	273
Brown Bevis, Los Angeles	295
Bevis Mchy Co., L. A.	345

2%, 30 days.

Spears-Wells Mchy. Co., Oakland.. 432

All bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal.—Spears Wells Machinery Co., 1832 9th St., Oakland, at $1160 (8-ft. gang) submitted low bid to the State Bureau of Purchases March 15, under Quo. 33058, Req. 12-592, for furnishing two scarifiers f.o.b. Willits. Complete bids follow:

Spears Wells: 8-ft. gang, $1160; alt. $1060; Hargarbe Trailor, $425; 2%, 10 days.

Sacramento Tractor & Equipment Co., Sacramento, $1414; 2%, 30 days.

Midland Tractor Co., Sacramento, $1590.81; $63.30 discount, 30 days.

Associated Equipment Co., Ltd., San Francisco, $1932.55; 2%, 10 days.

Robinson Tractor Co., Oakland, $2,348.80; 5%, 30 days.

28—FIRE EQUIPMENT

BIDS WANTED

GRAND COULEE, Wash. — Until April 5, 10 A. M., bids will be received by the Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, Wash., for the construction of a railroad from the head of Grand Coulee to Grand Coulee damsite.

See detailed description of project under "29"—Streets and Highways.

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CONTRACT AWARDED

CONTRA COSTA COUNTY, Calif. - P. E. Van Pelt, Oakdale, at $3,200.00 awarded contract by Board of Commissioners of Central Fire Dist., Contra Costa County, Central Fire Dist. House, Walnut Creek, for furnishing fire engine using 1½-ton White chassis. Johnson Thomas, clerk.

30—RESERVOIRS & DAMS

PLANS REVISED.

BONNEVILLE, Ore.—War Department Board of Engineers has recommended a new site for the Bonneville Dam that will place it approximately 3,000 feet downstream from the location formerly selected. The change was recommended following exploratory drilling which indicates a satisfactory foundation at less depth. The change will affect two contracts on which bids have been received.

The unfinished portion of the excavation contract awarded to General Const. Co., Seattle, at $668,500 will be cancelled.

Tentative award to Johnson Bros., Inc., and Eivind Anderson, Seattle, at $878,305 for construction of the side dam will be withdrawn and all bids received will be rejected.

Plans for the powerhouse and navigation lock are not changed and work will proceed under the contract for the portion of this work awarded to Guy F. Atkinson Co., San Francisco, at $1,173,390.

BIDS OPENED

SUNNYVALE, Cal.—San Francisco Constr. Co., Inc., 3159 Fillmore St., San Francisco at $7336 submitted low

bid to the Sunnyvale City Council, City Hall, for construction of a reinforced concrete preservoir 350,000-gallon capacity, invouving approximately 309 cu. yds. of concrete and 34 tons reinforcing steel. Complete bids follow:

San Francisco Constr. Co., Inc., San Francisco, $7336.

Pacific Truck Services, Inc., San Jose, $7630.

Earl W. Heple, San Jose, $7948.

W. J. Tobin, Oakland, $8200.

Theodor Johanns, San Francisco, $8,-350.

A. Soda & Son Oakland, $8425.

John D. Carlson, San Jose, $8439.

Clinton-Stephenson Constr. Co., San Francisco, $8776.

Bids held under advisement until Monday, April 2.

BIDS WANTED

FORT PECK, Mont.—Until April 11, bids will be received by the U. S. Engineer Office, Kansas City, Mo., for the construction of four 28-ft. diameter diversion tunnels to carry flow of Missouri river during the construction of the Fort Peck dam. The estimated cost is $11,500,000. T. B. Larkin, district engineer.

31— PIPE LINES & WELLS

CONTRACT AWARDED

RICHMOND, Cal.—Richmond Union High School Board has awarded a contract to C. P. Santos at $702.50 for drilling a 10-inch well at the athletic field of the Richmond Union High School. *

BIDS WANTED

LOS ANGELES, Calif.—Until March 30, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Water & Power Commission, 207 So. Broadway, Los Angeles, for furnishing two short sections of 84-in. electric welded steel pipe for use between the east and west penstocks of the San Francisquito power plant No. 1 and the Bouquet reservoir pipe line; Spec. No. 1401.

CONTRACT AWARDED

SAN FRANCISCO.—Percy Keatinge, Builders Iron Foundry, 681 Market St., at $1829.00 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing one Venturi meter complete, for 44-in. steel pipe line, under Invitation Bid No. 1157. Complete bids published March 5.

CONTRACT AWARDED

YUBA CITY, Cal.—Robert Crandall, Yuba City, at approximately $1200 awarded contract by Yuba City City Council March 19 for drilling and casing a well

BIDS WANTED

ROSEVILLE, Cal.—Until April 5, 2 P. M., bids will be received by the Roseville city council for drilling an 18- or a 12-inch well to a depth not exceeding 450 feet.

Specifications on file at the office of City Clerk F. R. Chilton and obtainable upon deposit of $10.00.

Baar & Cunningham, Portland, consulting engineers.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BONDS DEFEATED

CARMEL, Monterey Co., Calif.—An $83,700 bond issue to finance construction of a new sewage disposal plant in the Carmel Sanitary District was defeated March 12 by a vote of 350 against to 184 for issuance of the bonds.

MONTEREY, Cal.—Until April 3, 7:30 P. M., bids will be received by the Monterey City Council, for construction of an outfall sewer and intercepting sewers, involving:

(1) 800 lin. ft. 15-in. vitrified pipe;
(2) 2600 lin. ft. 21-in. do;
(3) 3150 lin. ft. 27-in. do;
(4) 110 lin. ft. 30-in. do;
(5) 1000 lin. ft. 24-in. cast iron pipe;
(6) 21 manholes;
(7) 267 cu. yds. concrete jacket;
(8) Lump sum outfall junction struc.;
(9) 5000 B. F. redwoood lumber.

Plans and specifications obtainable from H. D. Severance, City Engineer, City Hall, Monterey, upon deposit of $10. C. E. Grunsky, Commercial Bldg. San Francisco, Consulting Engineer.

Estimated cost $80,000. Project is financed in part by a PWA grant of $22,500.

33— WATERWORKS

BIDS OPENED

SAN DIEGO COUNTY, Calif.—The following bids were received by the U. S. Indian Service March 19 for furnishing concrete irrigation pipe for the Northside Main and distribution system of the Pala Project, located in the valley of the San Luis Rey river about 25 miles east of Oceanside and 11 miles southeast of Temecula, San Diego County:

(1) 18-in. standard pipe, 500 ft.;
(2) 16-in. double wall pipe, 5400 ft.;
(3) 16-in. standard pipe, 5400 ft.;
(4) 14-in. double wall pipe, 500 ft.;
(5) 14-in. standard pipe, 500 ft.;
(6) 12-in. standard pipe, 700 ft.;
(7) 10-in. standard pipe, 6000 ft.;

Concrete Conduit Co., Ontario, (1) $.44 (2) $.66 (3) $.35 (4) $.59 (5) $.305 (6) $.22 (7) .16; net.

Frank Moran, Solano Beach, (1) $.44 (2) $.68 (3) $.38 (4) $.595 (5) $.31 (6) $.27 (7) $.16; net.

Gus Almquist, (1) $.50 (2) $.69 (3) $.38 (4) $.61 (5) $.32 (6) $.23 (7) $.17.

National Cement Pipe Co., Perris: (1) $.56 (2) $.80 (3) $.40 (4) $.67 (5) $.22 (7) $.17; net.

Robert McKenna, Redlands, (1) .60 (2) $1.00 (3) $.50 (4) $.85 (5) $.40 (6) $.38 (7) $.20; discount 2%.

W. A. Wilson, San Jacinto, (5) $.25 (6) $.215 (7) $.18 (partial bid).

J. R. Montigle, Santa Ana, (5) $.34 (6) $.24 (7) $.168 (partial bid) 5% 10 days; 2% 30 days.

Escondido Cement Co., (5) $.35 (6) $.23 (7) $.19.

The bids were taken under advisement. 33

CONTRACT AWARDED

ONTARIO, Cal.—Peerless Pump Co., 1902 E. 67th St., Los Angeles, at $3,-100.52 awarded contract by the Ontario City Council, March 13, for repairing and replacement of deep well pumping equipment at No. 3 well.

BIDS OPENED

LONG BEACH, Cal.—The following bids were received by James H. Bonner, City Manager, Long Beach, for furnishing 125,000 lin. ft. of electrically-welded seamless steel pipe to be used by the City Gas Department:

South Chester Tube Co. (rail and water), $22,242.50.

Ducommun Corp. (rail and water), $23,143.50.

Kelly Pipe Co. (rail and water), $23,-451.50; rail, $25,864.

Oil Well Supply Co. (rail and water), $23,451.50.

Midway Supply Co. (rail and water), $23,451.50.

Hacker Pipe & Supply Co. (rail and water), $23,451.50.

Crane Co. (rail and water), $23,451.50.

National Supply Co. of California (rail and water), $23,451.50; rail, $25,864.

Mell O. Haldeman Corp. (rail and water), $23,451.50.

Hickey Pipe & Supply Co. (rail and water), $23,451.50.

Santa Fe Pipe & Supply Co. (rail and water), $23,451.50; alternate, $22,-193.

Grinnell Co. of the Pacific (rail and water), $23,451.50; rail, $25,864.

Babcock & Wilcox Tube Co. (rail and water), $23,451.50.

Pacific Southwest Pipe Co. (rail and water), $23,999.

Republic Supply Co. of Calif., (rail and water), $23,999.

California Pipe & Supply Co. (rail and water), $23,999.

BIDS OPENED

OAKLAND, Cal.—U. S. Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $5587.50 ($0.3725 per ft.) submitted low bid to the East Bay Municipal Utility District, Oakland, for furnishing 15,000 feet of 4-in. diameter cast iron pipe.

Complete bids follow: U. S. Pipe & Foundry Co., $5587.50 ($0.3725 per ft.); American Cast Iron Pipe Co., San Francisco, $6150 ($0.41 per ft.); Pacific States Cast Iron Pipe Co., San Francisco, $6300 ($0.42 per ft.); R. D. Wood & Co., San Francisco, $7575 ($0.505 per ft.)

BIDS WANTED

FORT PECK, Montana—Until April 6, bids will be received at the U. S. Engineer Office, Kansas City, Mo., for construction of a water filtration plant and intake at the site of the proposed Fort Peck construction camp; work will include 550 cu. yds. excavation, 144 cu. yds. Portland cement concrete; 22,100 lbs. reinf. steel; 5000 lbs. struc. steel; 80 cu. yds. tunnel excavation; 6660 ft. cribbing; 20 cu. yds. cement concrete tunnel lining; 150 lin. ft. 18-in. wrought steel pipe; 410 cu. yds. pump shaft common excavation; 335 cu. yds. rock excavation; 395 cu. yds. concrete for shaft and pump house; 9360 lbs. reinf. steel; 14,-325 ft. timbering for pump shaft; pumps and electrical equipment, metal pipe lines, 297,700 lbs. reinf. steel, electrical and special equipment, heating and plumbing with gas-burning equipment, etc., under Circular No. 51. Specifications obtainable from above office.

PREPARING PLANS

MARE ISLAND, Cal.—The Bureau of Yards & Docks has authorized the Public Works Officer at Mare Island, to prepare plans and advertise for bids for continuous blow down water softening and chemical feeding system; Spec. No. 7610.

BONDS VOTED

SAN CLEMENTE, Orange Co., Cal. —The $68,000 water works and street improvement bond issue carried at the election March 12. The water project involves laying of 46,750 ft. 4-in. pipe and construction of a pumping plant at San Jose Creek. The water improvements will cost about $40,000, the balance of the issue is to finance street surfacing. An application has been made for PWA funds.

BIDS WANTED

ROSEVILLE, Cal.—Until April 5, 2 P. M., bids will be received by the Roseville city council for the necessary trenching, hauling and laying of pipe (to be furnished by the city) and appurtenances, testing and back-filling, for the construction of the first unit of a water distribution system in Roseville. Approximately 14,600 lin. ft. of pipe will be laid.

Specifications on file at the office of City Clerk F. R. Chilton and obtainable upon deposit of $10.00.

Baar & Cunningham, Portland, consulting engineers.

BIDS WANTED

ROSEVILLE, Cal.—Until April 5, 2 P. M., bids will be received by the

Roseville city council for furnishing pipe as follows for the Roseville water system:
(1) 7,600 lin. ft. cast iron pipe, 16- to 6-n.;
(2) 7,000 lin. ft. 2-in. standard galv. pipe;
(3) 37 gate valves, sizes 16- to 2-in.;
(4) 10,000 lbs. cast iron specials.

Specifications on file at the office of City Clerk F. R. Chilton and obtainable without cost to recognized manufacturers.

Baar & Cunningham, Portland, consulting engineers.

CONTRACT AWARDED

YUBA CITY, Cal.—Layne & Bowler Pump Co., 468 West Santa Clara St., San Jose, at $1893.17 awarded contract by the Yuba City City Council March 19 for furnishing and installing a vertical deep well turbine pump of 500 to 800 gallon per hour capacity.

AWARDS RECOMMENDED

COLTON, San Bernardino Co., Cal.—The Colton City Council has recommended awards to the following for various portions of the new municipal water supply system, March 19:

J. M. Rogers, Bishop, drilling of two wells at $5460 and $4010.

Fairbanks-Morse Co., Los Angeles, at $2207.08 for pumping station and booster pump.

Southern Pipe & Casing Co., Azusa, at $39,999.75, for constructing pipe lines.

Meyers Bros., 3407 San Fernando Road, Los Angeles, at $43,450 for constructing a reinforced concrete reservoir.

The recommendations were forwarded to the State Engineer PWA for approval.

All bids for the deep well pumps for Wells Nos. 8 and 7 were rejected.

ENGINEERING CONTRACT

SALEM, Oregon.—Baar & Cunningham, Spalding Bldg., Portland, commissioned by the Salem city council to prepare plans and specifications and other engineering work for a new water system in Salem, estimated to cost $2,500,000. The contract provides for a fee of 5% of the construction cost.

PWA has recently allotted $2,500,000, loan and grant, to aid in financing.

34—PARKS AND PLAY-GROUNDS

BIDS WANTED

MODESTO, Stanislaus Co., Cal.—Bids are being received by the Custodian, Post Office, Modesto, for seeding and planting grounds at the Modesto Post Office. Date of opening not yet set.

BIDS WANTED

MERCED, Cal.—Bids are being received by the Custodian, Merced Post Office, for seeding and planting the grounds at the Post Office, Merced.

BIDS WANTED

FAIRBANKS, Alaska.—Bids are being received by the Custodian, Fairbanks postoffice for seeding and planting the postoffice grounds. Date for opening not set.

CONTRACT AWARDED

SAN FRANCISCO — Pacific Coast Fence Co., 3016 Lakeshore Blvd., Oakland, at $1304 awarded contract by Port Quartermaster, Fort Mason, for erecting wire fence at Fort Mason.

CONTRACT AWARDED

PALO ALTO, Santa Clara Co., Cal.—Walter Hoff, 580 Market St., San Francisco, at $527 awarded contract by Post Office Department for seeding and planting grounds at the Post Office in Palo Alto.

BIDS WANTED

MODESTO, Stanislaus Co., Cal.—Until March 30, 10 A. M., bids will be received by the Custodian, Modesto Post Office, for seeding and planting grounds at the Modesto Post Office.

BIDS OPENED

BENTON FIELD, Alameda Co., Cal.—Following submitted identical bids to the Constructing Quartermaster, Fort Mason, for construction of approximately 4660 lineal feet of chain link fence at Benton Field Air Depot:

Stewart Iron Works, San Francisco.
Pacific Coast Fence Co., Los Angeles
Munthe Equip. Co., San Francisco.
Western Steel and Wire Co., San Francisco.
Michel & Pfeffer Iron Works, San Francisco.
Trask & Squiers, San Francisco.
Standard Fence Co., San Francisco.
Anchor Post Fence Co., San Francisco.
West Coast Wire & Iron Works, San Francisco.
Wickwire Spencer Co., San Francisco.
Pittsburgh Steel Co., San Francisco.

Bids as follows:
(1) work complete, $8,465;
(2) chain link fence, including 6 ft. No. 9, wire fabric top rail, line posts, extension arms, 3 barbed wires, concrete for setting, complete in place, per lin. ft., $1.46;
(3) corner posts with braces, ea. $18.10
(4) 6-in. gate posts with braces, each, $36.50;
(4a) 4-in. do, $14.60;
(5) gates with fittings, per ft., $5.85.

The bids of the Munthe Equipment Co. on item 1 read $8,465.70 but was not considered.

All figures were placed on slips of paper and drawn and the Stewart Iron Works, 55 New Montgomery St., San Francisco, was selected. Recommendation was made that the contract be awarded to them.

LOW BIDDER

ROSEBURG, Oregon.—Doty Doerny, Portland, submitted the only bid to the Veterans' Administration Mar. 20 at $4317 for tree planting and $5595 for shrubbery planting for landscape planting at Veterans' Administration Facility, Roseburg.

PLANNED

EXETER, Tulare Co., Cal.—Exeter High School District will start construction shortly on two cement tennis courts at the high school, estimated to cost $1,000. Courts will be approximately 40x85 feet and work will be done by local labor.

29—STREETS AND HIGHWAYS

LOW BIDDER

ARIZONA STATE.—Pleasant - Hasler Const. Co., 324 Luhrs Bldg., Phoenix, at $16,734.00 submitted low bid to the Arizona State Highway Commission, Phoenix, March 16, for constructing the Benson-Douglas Highway, Project NRM 79-C The bid on the alternate was $16,823. The work, which is located within the city limits of Tombstone, consists of placing a cutback armor coat over existing pavement and a cutback plant mix oil cake over a new alignment and is to be completed on or before May 15.

T. S. O'Connell, state highway engineer.

BIDS OPENED

MASON COUNTY, Wash.—Independent Asphalt Paving Co., Seattle, Wash., at $21,443 submitted low bid to the Washington Stae Highway Commission, Olympia, Wash., for sockpiling about 10,940 cu. yds. of crushed stone (oil rock) for about 9.8 miles of State Road No. 9, Junction State Road No. 14 to Lilliwaup, Federal Public Works Project, in Mason County.

City Transfer Co., Port Townsend, at $21,551 submitted second low bid.

L. V. Murrow, Director of Highways.

BIDS OPENED

GRAYS HARBOR COUNTY, Wash.—Homer G. Johnson, Portland, Ore., at $13,710 submitted low bid to the Washington State Highway Commission, Olympia, for stockpiling about 7410 cu. yds. of crushed stone surfacing and oil rock for abount 14.2 miles of State Road No. 9, Oakville to Elma. Federal Public Works Project, in Grays Harbor County.

R. O. Dail, Aberdeen, Wash., submitted second low bid at $16,672.

L. V. Murrow, Director of Highways.

BIDS OPENED

R. O. Dail, Aberdeen, Wash., at $22,560 submitted low bid to the Washington State Highway Commission, Olympia, Wash., for stockpiling about 11,280 cu. yds. of crushed stone surfacing and oil rock for abount 65.5 miles of State Road No. 9 and 21, Lilliwaup to Wildwood Park and Chico Creek to Kingston, Federal Public Works Project in Mason, Jefferson and Kitsap Counties.

Independent Asphalt Paving Co., Seattle, at $23,800 submitted second low bid; third, City Transfer Co., Port Townsend, $24,026.

L. V. Murrow Direcor of Highways.

AWARD

WASHOE COUNTY, Nevada — L. G. Kip, 2516 Seventh Ave., Sacramento, at $30,954 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for placing bituminous treated surfacing (road mix) on Section A of Route 2 of the Mt. Rose National Forest Highway, Tahoe National Forest, Washoe County.

C. H. Sweetser, District Engineer.

BIDS WANTED

ARIZONA STATE.—Until April 10, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Holbrook-St. Johns Highway, N. R. H. 42 (AFE No. 2625). The work, which is located about 16½ miles SE of Holbrook near the Petrified Forest, consists of grading, draining and placing aggregate base course over one mile of roadway realignment, and is to be completed on or before June 15. The approximate quantities are:
(1) 8,500 cu. yds. roadway excav.;
(2) 3,300 cu. yds. borrow excav.;
(3) 8,900 sta. yds. earthwork overhaul;
(4) 196 lin. ft. CMP (2 sizes);
(5) 6,600 lin. ft. line fence;
(6) 1,800 cu. yds. aggreg. base course (CIP);
(7) miscellaneous items of work.

An appropriation in the amount of $14,200 has been made towards the construction of the above project. Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

AWARDS RECOMMENDED

APACHE COUNTY, Arizona.—U. S. Bureau of Public Roads, Phoenix, recommended awards to the following for grading and draining, Section J (Unit 1, 0.810 mile, Unit 2, 0.862 mile, and Unit 3 ,0.888 mile) Route No. 20, the Springerville-Alpine-State Line Highway, in Apache County:

Rogers Bros., Snowflake, Ariz., Unit 1, 0.810 mile, $1,138.00.

R. S. Black, Clifton, Ariz., Unit 2, 0.862 mile, $1,631.10; Unit 3, 0.888 mi., $1,511.30.

The bids were opened March 14.

AWARD RECOMMENDED

APACHE COUNTY, Ariz.—Nelson & Nelson, Springerville, Ariz., at $545.90 (Unit 1) and at $579.30 (Unit 2) has been recommended for award by the Bureau of Public Roads, Phoenix, for grading Section 1 (Units 1 and 2) .693 mile and Unit 2, 0.662 mile, Route No. 20, Springerville-Alpine-State Line, in Apache County.

The bids were opened March 14.

BIDS OPENED

PASADENA, Cal.—The following bids were received by the Pasadena City Directors, March 19, for furnishing 15,503 ft. 3-conductor, sector stranded, lead-covered cable for the municipal power plant.

J. A. Roeblings Sons Co., bid on items 2, 3 and 4 at $15,359.92 (total), reels $1094.

Identical bids at $17,799.93 for all four items with reels $1253. The items were: (1) $2.44, reels, $54; (2) $1576, reels, $53; (3) $.883, reels, $32.

The bidders were: Columbia Steel Co. General Electric Co., Anaconda Wire & Cable Co., by G. E. Supply Co., Okonite Co., Habirshaw Wire & Cable Co., General Cable Co.

The bids were taken under advisement.

BIDS WANTED

TRINITY COUNTY, Cal.—Until Apr. 10, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market Street, San Francisco, for placing selected material subgrade reinforcement on Section A and a portion of Section C of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County, involving:

(1) 2,500 cu. yds. unclass. excav.;
(2) 2,000 sta. yds. overhaul;
(3) 850 cu. yd. mile overhaul;
(4) 12,500 cu. yds. subgrade reinf.;
(5) 35,000 cu. yd. mile hauling subgrade reinf.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

RICHMOND, Contra Costa Co., Cal.—W. V. Bernard, El Cerrito, at $2,593.44 awarded contract by the Contra Costa County Board of Supervisors for the construction of a concrete culvert over Wildcat Creek, part of the Twenty-third Street extension out of Richmond. Other bidders were: A. Soda & Son, $2657.83; Lee J. Immel, $3066.19; Elmer Freethy, $2862.65; L. J. Price, $2776.89; Albany Cement Contractors, Inc., $2739.78 and L. L. Page, $3386.06. The bids were opened Mar. 19.

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until March 30, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Dist. No. I, 546 Wabash Ave., Eureka, Calif., for treating with fuel oil about 14.0 miles between Campbell Creek and Klamath River I-Hum-84-A & B), in Humboldt County.

Plans and specifications obtainable from above office.

BIDS OPENED

CHELAN COUNTY, Wash.—L. Romano, 1300 Dearborn St., Seattle, Wash., at $31,203 submitted low bid to the Washington State Highway Commission for grading and surfacing with crushed stone about 1.2 miles of State Road No. 15, in the City of Leavenworth, U. S. Public Works Project No. NRM 190-B, in Chelan County.

N. A. Degerstrom, Spokane, Wash., at $31,617 submitted second low bid; third, L. J. Dowell, Inc., Seattle, $35,284. L. V. Murrow Director of Highways.

BIDS OPENED

ARIZONA STATE.—Vinson & Pringle, 919 E Madison St., Phoenix, at $8,833 submitted low bid to the Arizona State Highway Commission, Phoenix, March 13, for the construction of three concrete box culverts and approaches, and the salvaging and relaying of old oil cake on the Phoenix-Yuma Highway, NRH 56, AFE No. 8035, about 2.5 miles west of the town of Gila Bend. W. E. Hall Co., Alhambra, Cal. submitted second low bid at $9,132.

BIDS WANTED

ORMSBY COUNTY, Nevada—Until March 28, 1:30 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, Engineer, Heroes Memorial Bldg., Carson City, Nevada, for grading and surfacing 1.25 miles of Route 3 Sestion A-2, B and C-1, in Ormsby County, between south limits and north limits of Carson City. The work involves:

(1) 1685 cu. yds. rdwy. excav.;
(2) 1382 sta. yds. overhaul;
(3) 600 cu yds. struc. excav.;
(4) 697 cu. yds. select borrow;
(5) 12,150 sq. yds. subgrade;
(6) 3375 cu. yds. crushed gravel or stone base;
(7) 229.50 M. gals. water;
(8) 12 cu. yds. Class A concrete;
(9) 750 lbs. reinf. steel;
(10) 2100 lbs. castings;
(11) 406 lin. ft. 8-in. CMP;
(12) 130 lin. ft. 15-in. CMP;
(13 1000 lin. ft. 18-in. CMP;
(14) 190 lin. ft. 24-in. CMP;
(15) 630 lin. ft. remove culvert pipe;
(16) 34 lin. ft. relay culvert pipe;
(17) 40 cu. yds. remave concrete;
(18) 495 lin. ft. remove fence;
(19) 495 lin. ft. reconstruct fence;
(20) 204 tons emulsified asphalt penetration;
(21) 92 tons emulsified asphalt, mixing
(22) 2500 tons corase aggregate;
(23) 420 tons key rock;
(24) 528 tons screenings;
(25) 50 sq. yds. repair base;
(26) 4680 lin. ft. concrete curb and gutter;
(27) 180 sq. yds. concrete gutter;
(28) 250 sq. yds. concrete sidewalk;
(29) 65 remove trees.

Plans and specifications obtainable from above office and also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco, Deposit of $5.00 required; $2.50 returnable.

PLANNED

BERKELEY, Alameda Co., Calif.—Berkeley city council will submit plans and specifications to John Skeggs, the District Engineer, State Highway Division, State Building, San Francisco, for approval for laying permanent paving and constructing curbs on Shattuck Avenue and Henry St. Work involves:

(1) 17,200 sq. ft. grading;
(2) 10 cu. yds. subgrade;
(3) 17,200 sq. ft. crusher run base, 3-in. thick;
(4) 14,900 sq. ft. bituminous surface concrete curb;
(5) 750 lin. ft. 2-in. gutter;
(6) 400 sq. ft. bituminous resurf.;
(7) 900 sq. ft. asphalt conc. resurf.;
(8 40 lin. ft. 10-in. corru. iron pipe culvert;
9) 40 lin. ft. 12-in. corru. iron pipe culvert;
(10) 100 sq. ft. reconstruct sidewalks;
(11) 1 extension outlet to be reconstructed;
(12) 1 curb inlet;
(13) 1 culvert outlet.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until March 28, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, Room 211, State Bldg., San Francisco, for grading 0.4 mile in Santa Clara Co., between San Felipe and Bell Station. The work involves 40,000 cubic yards of roadway excavation.

Plans and specifications obtainable from the above office.

BIDS WANTED

LYON COUNTY, Nevada — Until March 28, 3 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for grading and surfacing 1.01 miles of Route 3, Section D-2, in Lyon County, between Hoye and the West County Line, involving:

(1) 6 acres clearing and grubbing;
(2) 17,300 cu. yds. rdwy. excav.;
(3) 2019 sta. yds. overhaul;
(4) 900 cu. yds. struc. excav.;
(5) 0.99 mi. subgrade;
(6) 3250 cu. yds. crushed gravel or stone surface;
(7) 400 cu. yds. Class A concrete;
(8) 35 cu. yds. Class B concrete;
(9) 165 cu. yds. Class D concrete;
(10) 1850 lbs. struc. steel;
(11) 76,000 lbs. reinf. steel;
(12) 396 lin. ft. 19-in. CMP;
(13) 64 lin. ft. 24-in. CMP;
(14) 38 lin. ft. 36-in. CMP;
(15) 60 lin. ft. 24-in. corrugated metal siphon pipe;
(16) 32 cu. yds. handlaid riprap;
(17) 5 move headwalls;
(18) 1785 lin. ft. reconst. fence;
(19) 5752 lin. ft. construct fence;
(20) 1995 lin. ft. remove fence;
(21) 2 remove concrete culverts;
(22) 22,807 gals. asph. road material Type SC-2;
(23) 1666 gals. asph. road material Type MC-2;
(24) 0.99 mi. roadmix;
(25) 28 monuments;
(26) 1.01 mi. finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5; $2.50 returnable, and are also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS WANTED.

MINERAL COUNTY, Nevada—Until March 28, 2 P. M., bids will be received by the Nevada State Highway Commission, S. C. Durkee, Engineer, Heroes Memorial Bldg., Carson City, Nevada for reconstructing 20.02 miles of Route 3 Sections A-2 and B-1, in Mineral County, between Rhodes and 3.3 miles west of Luning, involving:

(1) 68,300 cu. yds. rdwy. ecxav.;
(2) 14,422 sta. yds. overhaul;
(3) 88,760 cu. yds. select borrow;
(4) 3150 cu. yds. struc. excav.;
(5) 20.02 mi. subgrade;
(6) 63,800 cu. yds. crushed gravel or stone surface;
(7) 158 cu. yds. Class B concrete;
(8) 2700 lbs. reinf. steel;
(9) 296 lin. ft. 18-in. CMP;
(10) 470 lin. ft. 24-in. CMP;
(11) 32 lin. ft. 30-in. CMP;
(12) 2442 lin. ft. 36-in. CMP;
(13) 360 lin. ft. 24-in. vitrified pipe;
(14) 942 lin. ft. remove culvert pipe;
(15) 878 lin. ft. relay culvert pipe;
(16) 116 move pipe culvert headwalls;
(17) 58 remove pipe culvert headwalls
(18) 440,494 gals. asph. road material Type SC-2;
(19) 32,303 gals. asph. road material Type MC-2;
(20) 20.02 mi. roadmix;
(21) 20.02 mi. finish roadway;

Plans and specifications obtainable from above office and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco. Deposit of $5.00 required; $2.50 returnable.

CONTRACT AWARDED

MADERA COUNTY, Cal.—Yglesias Bros., Inc., Box 25, 841 W Beach St., San Diego, at $131,357 awarded contract by the State Highway Commission, Sacramento, for grading about 4.1 miles between Hawkins School and Oakhurst.

BIDS WANTED

CLARK AND NYE COUNTIES, Nevada—Until March 28, 2:30 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, Nevada, for the construction of a portion of the State Highway System in Clark and Ney Counties, between Indian Springs and 22 miles west, Route 5. Sections HA and B, a length of 22.01 miles, involving:

(1) 44 acres clearing and grubbing;
(2) 95,400 cu. yds. rdwy. excavation;
(3) 35,417 yd. sta. overhaul;
(4) 3350 cu. ydsfl. struc. excav.;
(5) 22.01 miles subgrade;
(6) 52,700 cu. yds. cr. gravel or stone surface;
(7) 242 cu. yds. Class B concrete;
(8) 32,800 lbs. reinf. steel;
(9) 232 lin. ft. 18-in. corru. metal pipe
(10) 2572 lin. ft. 24-in. corru. metal pipe;
(11) 1228 lin. ft. 30-in. corru. metal pipe;
(12) 392 lin. ft. 36-in. CMP;
(13) 250 cu. yds. Class A concrete;
(14) 64 each monuments;
(15) 22.01 miles finish roadway.

Plans and specifications obtainable from above office upon deposit of $5.00; $2.50 returnable; and also on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

BIDS WANTED

LINCOLN COUNTY, Nevada—Until March 28, 3:30 P. M., bids will be received by the Directors of the Department of Highways, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, Nevada, for construction of a roadmix asphaltic surface on a portion of the State Highway System in Lincoln County, bet. Pioche and Stonehouse, Route 7, Section D-1, a length of 13.50 miles, involving:

(1) 300,164 gals,. asphaltic road material Type SC-2;
(2) 21,936 gals. asphaltic road material Type MC-2;
(3) 0.08 miles roadmix (37 ft. width);
(4) 0.30 miles roadmix (24 ft. width);
(5) 13.12 miles roadmix (20 ft. width);
(6) 13.50 miles finish roadway.

Plans and specifications obtainable from above office upon deposit of $.500; $2.50 returnable; and also on file at the office of the Bureau of Public Rds. 461 Market St., San Francisco.

COMPLETE BID LISTING.

MESA, Ariz.—As previously reported, Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $24,636.31 submitted low bid to the Arizona State Highway Commission, Phoenix, March 13, for improving the Tempe - Mesa Highway, NRM Project 8-B (AFE No. 515). The work is located on Main St. within the city limits of Mesa and consists of placing asphaltic retread surface and widening existing pavement with asphaltic concrete and is to be completed before May 31.

Complete bids follow:

(A) Arizona Sand & Rock Co., Phoenix, $24,636.31.
(B) Phoenix-Tempe Stone Co., Phoenix, $25,491.
(C) O. F. Fisher, Phoenix, $27,482.

Unit items follow:

(1)176 tons emulsl. asph. (for retread surface; CIP);
(2) 2,118 tons aggregate do;
(3) 12 each raising 48-in. manhole covers to grade;
(4) 5 each raising 12-in. do;
(5) 2 each raising 10-in. do;
(6) 1,574 sq. yds. grading;
(7) 1,574 sq. yds. asph. pave. (CIP);

Roadway—Sta. 335 Plus 08.95 to Sta. 356 plus 81.88

(8) 3,047 sq. yds. grading;
(9) 3,047 sq. yds. asph. pave. (CIP);
(10) 0.823 mile formation and finishing shoulders (CIP).

Unit prices follow:

	(A)	(B)	(C)
(1)	$ 35.00	$ 30.00	$ 32.00
(2)	3.68	3.00	4.62
(3)	8.00	25.00	11.00
(4)	4.00	15.00	7.50
(5)	4.00	10.00	7.00
(6)	.28	.40	.05
(7)	1.93	2.50	2.45
(8)	.28	.40	.05
(9)	1.93	2.50	2.45
(10)	420.00	75.00	400.00

T. S. O'Connell, state highway engineer.

BIDS WANTED

GRAND COULEE, Wash.—Until April 5, 10 A. M., bids will be received by the Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, under Spec. No. 569, for grading and structures for highway. head of Grand Coulee to Columbna River Bridge, and construct railroad, head of Grand Coulee to Grand Coulee damsite, and grading for streets in Government campsite, Columbia Basin Project, Washington. Work involves:

(1) 456,500 cu. yds. excav., all classes
(2) 7,135,000 sta. cu. yds. overhaul;
(3 1500 cu. yds. ba ckfill;
(4) 150 cu. yds. concrete;
(5) 700 cu. yds. rubble masonry;
(6) Placing 19,000 lbs. reinf. bars;
(7) Laying 2000 lin. ft. corrugated metal pipe;
(8) Laying 575 lin. ft. 3-in. diam. concrete pipe;
(9) Erecting 40 M.F.B.M timber;
(10) Constructing 5000 lin. ft. cable guardrail.

Plans and specifications obtainable from U. S. Bureau of Reclamation, Almira, Wash.; Denver, Colo., or Washington, D. C., without charge to prospective bidders; to others $100, not returnable

BIDS REJECTED

MARCH FIELD, Riverside Co., Cal.—All bids received by the Constructing Quartermaster, March Field, Feb. 23, for reconditioning roads and walks at March Field have been rejected. Cresmer Mfg. Co., 2601 Third Street, Riverside, at $13,890 submitted low bid using emulsified asphalt, and Matich Bros., Elsinore, at $13,542.27 submitted low bid using concrete.

BIDS WANTED.

SAN FRANCISCO COUNTY, Cal.—Until April 11, 2 P. M., bids will be received by State Highway Commission, Sacramento, for paving with asphalt concrete about 0.3 mile between Waterloo St. and Islais Creek Channel, in San Francisco, involving:

(1) 2,700 sq. yds. remove exist. surf.
(2) 10,500 cu. yds. select material;
(3) 2,600 tons crushed run base;
(4 110 M. gals. water;
(5) 6,200 tons asph. concrete;
(6) 5 cu. yds. Class A Port. cement concrete curbs;
(7) 15 cu. yds. Class A Port. cement conc. sidewalks;
(8) 30 tons emulsified asph. road oil;
(9) 35 tons screenings;
(10) 15 each timber guide posts;
(11) 14 sta. finish roadway.

Plans and specifications obtainable at above office and are on file at the offices of the district engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CONTRACT AWARDED

STANISLAUS COUNTY, Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $74,555 awarded contract by the State Highway Commission Sacramento, for grading and paving about 2.2 miles between one-half mile and one mile north of Turlock with asphalt concrete in Stanislaus County.

BIDS WANTED

WASHINGTON STATE.—Until Apr. 3, 10 A. M., bids will be received by the Director of Highways, L. V. Murrow, Olympia, for highway construction as follows:

Columbia and Garfield Counties

Grading, surfacing and stockpiling crushed stone (oil rock) material on about 29.7 miles of State Road No. 3, end of pavement north of Dayton to Pomeroy, Unit 1 of Federal Public Works Project in Columbia and Garfield Counties, involving:

(1) 10,860 cu. yds. excavation;
(2) 24,770 cu. yds. crushed stone surf. and oil rock;
(3) 40 lin. ft. pipe culverts;
(4) miscellaneous items of work.

King and Pierce Counties

Stockpiling about 37,720 cu. yds. of crushed stone (oil rock) materials for about 30.5 miles of State Road No. 5, Enumclaw to Park entrance, Unit 1 of Federal Public Works Project in King and Pierce Counties.

Lewis and Pierce Counties

Surfacing with crushed stone and stockpiling crushed stone surfacing and oil rock for about 78.1 miles of State Road No. 5, Mill Creek to Elbe and Kosmos to Packwood, Unit 1 of Federal Public Works Project in Lewis and Pierce Cos., involving about 31-690 cubic yards of crushed stone surfacing and oil rock materials.

Klickitat County

Constructing about 9,400 lin. ft. of cable guard rail Design No. 6 on about 1.5 miles of State Road No. 8, Grand Dalles to Maryhill, Federal Land Project No. 5 in Klickitat Co.

Plans and specifications obtainable from above office upon a deposit of $2.00 for each set.

BIDS WANTED

SAN FRANCISCO COUNTY—Until April 11, 2 P. M., bids will be received by the State Highway Commission. Sacramento, for paving with asphalt concrete about 0.9 mi. betwen Van Ness Avenue and Division St. in San Francisco, involving:

(1) 55,000 sq. ft. street grading;
(2) 7500 tons cru. run base rock fill;
(3) 19,100 sq. yds. remove asphalt concrete;
(4) 19,100 sq. yds. asph. paint binder;
(5) 6820 tons asphalt concrete;
(6) 1070 cu. yds. Class A Port. cem. conc. pavement widening;
(7) 200 cu. yds. Class A Port. cem. conc. sidewalks and driveways;
(8) 100 cu. yds. Class C Port cem. curb backfill;
(9) 23 tons emuls. asphaltic road oil
(10) 60 tons screenings;
(11) 7200 lin. ft. moving and reset existing granite curb;
(12) 2400 sq. ft. redressing existing granite curb;
(13) 350 lin. ft. new granite curb tangent;
(14) 210 lin. ft. new granite ucrb curved;
(15) 132 each move and reset side sewer traps;
(16) 184 lin. ft. 6-in. vitrified clay pipe side sewer;
(17) 281 lin. ft. 12-in. vitrified clay pipe encased in concrete sewer;
(18) 245 lin. ft. 18-in. vit. clay pipe do
(19) 4440 lin. ft. furnishing untreat. Douglas fir piles;
(20) 74 each driving timber piles;
(21) 10 each brick catchbasins raised to grade;

(22) 27 each move and reset brick catchbasins;
(23) 23 each brick manholes raised to grade;
(24) 2 each new brick manholes;
(25) 770 each traffic markers.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

SAN FRANCISCO—Until April 11, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for paving with asphalt concrete 1.3 miles between Bay Shore Boulevard and Mission Street Viaduct in San Francisco, involving:
(1) 21,950 cu. yds. select material;
(2) 10,800 tons esphalt concrete;
(3) 31,200 sq. yds. subgrade for pave.
(4) 110 lin. ft. 10-in. vit. clay pipe culvert;
(5) 660 lin. ft. 12-in. vit. clay pipe sewer;
(6) 90 lin. ft. 15-in. do;
(7) 50 lin. ft. 21-in. do;
(8) 420 lin. ft. 8-in. CMP;
(9) 12 each spillway assemblies;
(10) 150 tons emuls. asphaltic road oil;
(11) 280 tons screenings;
(12) 200 M. gals water;
(13) 27 each manholes to be adjusted to grade;
(14) 3 each reflector type stop signs;
(15) 1 only timber catchbasin;
(16) 550 lin. ft. 1½ electrical conduits of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

CONTRACT AWARDED

TULARE COUNTY, Calif. — Basich Bros. Const. Co., 20550 Normandie Avenue, Torrance, at $265,811 awarded contract by State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 8.1 miles between Visalia and Merryman, Tulare County.

BIDS WANTED

SAN FRANCISCO—Until April 11, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 0.7 miles of Bryant Street, between Fifth and Tenth Sts., in San Francisco, involving:
(1) 5600 tons crusher run base;
(2) 13,000 sq. yds. asphaltic paint binder;
(3) 5400 tons asphalt concrete;
(4) 1100 cu. yds. Class A Port. cem. conc. pavement;
(5) 114 cu. yds. Class A Port. cem. conc. sidewalks;
(6) 290 cu. yds. Class B Port. cem. cons. curb backing;
(7) 515 cu. yds. conc. removed from exist. sidewalks;
(8) 5940 lin. ft. remove and reset stone curbs;
(9) 3200 sq. ft. redressing stone curbs
(10) 200 lin. ft. furnish and placing new atone curbs tangent;
(11) 900 lin. ft. furnish and placing new stone curbs circular;
(12) 12,000 sq. ft. remove and reset basalt block pavement;
(13) 80 each side sewer traps removed and reset;
(14) 58 each brick catchbasins removed and reconstructed;
(15) 1 only new brick catchbasin;
(16) 17 each manholes frames and covers removed and reset;
(17) 10 each new brick manholes on piles;
(18) 1450 lin. ft. 6-in vit. clay pipe side sewer;
(19) 860 lin. ft. 12-in. vit. clay pipe sewer encased in concrete;
(20) 240 lin. ft. 18in. vit. clay pipe sewer do;
(21) 420 lin. ft. 21-in. vit. clay pipe sewer do;
(22) 24 each 12-in.x6in. Wye branches in place;
(23) 7 each 18in.x8-in. Wye branches in place;
(24) 11 each 21-in.x6-in. Wye branches in place;
(25) 18,440 lin. ft. furnish untreated Douglas fir piles;
(26) 214 each driving Douglas fir piles
(27) 300 each cross walk markers.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

AWARD

SAN BERNARDINO AND RIVERSIDE COS., Cal.—Edwin Anderson, 542 Natoma St., San Francisco, at $4894 awarded contract by State Highway Commission, Sacramento, for applying 608 miles of traffic stripe to existing pavement in San Bernardino and Riverside Counties.

BIDS WANTED

SAN FRANCISCO—Until April 11, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.5 miles of Sloat Boulevard, between Great Highway and Nineteenth Ave. in San Francisco, involving:
(1) 5450 cu. yds. rdwy. excav. unclass.
(2) 26,500 sq. yds. remove exist. asphalt surface;
(3) 2320 cu. yds. crusher run base;
(4) 26,500 sq. yds. asph. paint binder;
(5) 11,480 tons asph. concrete;
(6) 2950 cu. yds. Class A Port. cem. conc. pavement;
(7) 110 cu. yds. Class A Port. cem. conc. sidewalks;
(8) 80 cu. yds. Class A Port. cem. conc. armored curb;
(9) 150 cu. yds. Class C Port. cem. conc. curb backing;
(10) 200 cu. yds. conc. removed from exist. pavement;
(11) 3500 lin. ft. move and reset conc. curbs;
(12) 250 lin. ft. 6-in. vitrified clay pipe side sewer;
(13) 1560 lin. ft. 8-inch vitrified clay pipe sewer;
(14) 265 lin. ft. 12-inch vitrified clay pipe sewer;
(15) 222 lin. ft. 12-in. vitrified clay pipe sewer in pavement area;
(16) 293 lin. ft. 10-in. vitrified clay pipe culverts;
(17) 120 lin. ft. 8-in. CIP Class C sewer in pavement area;
(18) 1 only reinf. conc. sewer junction structure;
(19) 10 each brick manholes;
(20) 10 each move and reset manhole frames and covers;
(21) 17 each move and reset brick catchbasins;
(22) 2 each lamp holes;
(23) Widening bridge;
(24) 31,600 lin. ft. paint traffic stripe;
(25) 15 each move and reset stop and street signs;
(26) 500 each cross walk markers;
(27) 3200 lin. ft. trimming hedge;
(28) 58 each move and rest light standards.

Plans and specifications obtainable from above office and on file at the office of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS REJECTED

ARIZONA STATE.—All bids for the construction of Project NRM 79C on the Benson-Douglas Highway opened March 16 were rejected by the Arizona State Highway Commission at Phoenix March 20. The project will be readvertised. Pleasant - Hasler Const. Co., 324 Luhrs Bldg., Phoenix, at $16,734 and $16,823 (alternate) submitted the only bid. The work is located within the city limits of Tombstone an dconsists of placing a cutback armor coat over existing pavement and a cutback plant mix oil cake over a new alignment.

T. S. O'Connell, State Highway Engineer. 29

CONTRACTS AWARDED

FORT PECK, Montana.—McClintic-Marshall Corp., Bethlehem, Pa., at $194,640 awarded contract by the U. S. Engineer, Kansas City, Mo., for 28-inch flanged steel pipe for suction dredge unit, for the Fort Peck Dam Project near Glasgow, Mont.

McClintic-Marshall Corp. was also awarded the contract at $19,810.00 for furnishing three complete spud wells and four complete A flumes f.o.b. shipping point.

CONTRACT AWARDED

MESA, Ariz.—Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $24,636.31 awarded contract by Arizona State Highway Commission, Phoenix, for placing asphaltic retread surface and widening existing pavement with asphaltic concrete on the Tempe-Mesa Highway, NRM Project 8-B. Contract awarded March 20; bids opened March 13. 29

CONTRACT AWARDED

ARIZONA STATE.—Vinson & Pringle, 919 E Madison St., Phoenix, at $8,833.64 awarded contract by Arizona State Highway Commission, Phoenix, March 20, for construction of three concrete box culverts and approaches and the salvaging and relaying of old oil cake on the Phoenix-Yuma Highway, NRH 56. The work is located about 2.5 miles west of the town of Gila Bend. 29

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

TEHAMA CO.—Grading Lassen Forest Highway—(Govt.)

TEHAMA COUNTY, Cal.—Clarence Young, 5250 Broadway Terrace, Oakland, at $99,215.78 submitted low bid to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, for grading and placing subgrade reinforcement on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen National Forest in Tehama County.

Complete bids follow:
(A) Clarence Young, Oakland, $99,-215.78.
(B) Central States Contr. Co., Oakland, $108,067.20.
(C) Gist & Bell, Arcadia, $111,465.75.
(D) Henistreet & Bell, Marysville, $113,153.60.
(E) Rocca & Caletti, San Rafael, $118-021.30.
(F) Frank C. Cuffee, San Rafael, $132-062.10.
(G) Engineer's estimate, $93,050.60.

Unit items follow:
(1) 91,000 cu. yds. excav., unclass.;
(2) 1,600 cu. yds. do for struc.;
(3) 15,800 cu. yds. do for borrow;
(4) 500,000 sta. yds. overhaul;
(5) 5,000 cu. yds. miles borrow haul;
(6) 12,700 cu. yds. subgrade reinf.;
(7) 32,000 gals. liquid asph. road material Type SC-2;
(8) 322 cu. yds. Class A concrete;
(9) 50 cu. yds. Class B concrete;
(10) 34,400 lbs. reinf. steel;
(11) 1,180 lin. ft. 8-in. perf. CGMP;
(12) 174 lin. ft. 8-in. (asph. dipped) do;
(13) 258 lin. ft. 12-in. do;
(14) 972 lin. ft. 18-in. do;
(15) 778 lin. ft. 24-in. do;
(16) 94 lin. ft. 30-in. do;
(17) 30 cu. yds. handlaid rock embankment;
(18) 320 cu. yds. crushed rock or gravel backfill;
(19) 12 each type A spillway inlets;
(20) 1 each type B do;
(21) 308 lin. ft. remove and relay or stockpile existing CGMP culvert;
(22) 18 each right of way monuments;
(23) 4,495 lin. ft. remove and reset fence;
(24) extra work additional clearing (Eng. Est.);
(25) extra work remove and relay water lines (Eng. Est.);
(26) extra work maintenance existing road (Eng. Est.);
(27) extra work obliterating exist rd. (Eng. Est.).

Bids held under advisement.
Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .46	$ .55	$ .54	$ .55	$ .65	$ .50	$ .50
(2)	1.25	1.00	1.75	2.00	1.50	2.00	1.50
(3)	.25	.30	.30	.40	.35	.50	.35
(4)	.015	.01	.02	.015	.01	.02	.065
(5)	.15	.40	.40	.25	.15	.20	.20
(6)	1.50	1.50	1.30	1.65	1.50	2.65	1.00
(7)	.12	.80	.08	.09	.08	.10	.07
(8)	27.00	30.00	30.00	26.50	30.00	32.00	27.00
(9)	24.00	30.00	29.00	22.50	30.00	30.00	27.00
(10)	.05	.06	.06	.06	.07	.06	.07
(11)	.85	1.00	1.25	1.00	1.00	2.00	.85
(12)	.87	1.25	1.25	1.00	1.20	1.80	.90
(13)	1.25	1.50	1.50	1.25	1.50	2.50	1.35
(14)	1.75	1.75	2.00	1.90	2.00	2.80	1.75
(15)	2.60	3.00	2.50	2.55	2.50	3.50	2.55
(16)	3.40	3.50	3.50	3.35	3.00	5.00	3.15
(17)	2.50	3.00	4.00	5.00	5.00	8.00	4.00
(18)	2.00	2.50	4.00	3.00	5.00	4.00	3.00
(19)	15.00	35.00	30.00	15.00	15.00	15.00	15.00
(20)	25.00	45.00	30.00	30.00	25.00	25.00	25.00
(21)	1.00	2.00	1.00	.75	1.00	2.00	.75
(22)	3.00	3.00	4.00	3.00	3.00	5.00	3.00
(23)	.10	.06	.15	.10	.10	.15	.06
(24)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(25)	200.00	200.00	200.00	200.00	200.00	200.00	200.00
(26)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(27)	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

NYE CO., Nev.—31.13 Mi. Roadmix Surfacing—(State)

NYE COUNTY, Nevada — As previously reported, U. B. Lee, 1059 Carpentier St., San Leandro, Calif., at $54,354.60 awarded contract by the Department of Highways Carson City Nevada, for constructing a roadmix asphaltic surface on a portion of the State Highway System, in Nye County, between 33 miles and 2 miles south of Beatty, Route 4 Section D2, E, F and G1. The length of the project is 31.13 miles, involving:
(1) 592,820 gals. asph. road material, Type SC-2;
(2) 47,763 gals. asph. road material Type MC-2;
(3) 14.41 mi. roadmix 20 ft. width;
(4) 16.72 mi. roadmix 18 ft. width;
(5) 31.13 mi. finish roadway.

Complete bids follow:
(A) U. B. Lee, San Leandro, Calif., $54,354.60.
(B) J. C. Compton, McMinnville, Ore., $55,239.54.
(C) Jack Casson, Oakland, $58,833.93.
(D) Union Paving Co., San Francisco, $60,834.95.
(E) C. F. Fredericksen & Sons, Lower Lake, Calif., $64,227.54.
(F) Isbell Constr. Co., Carson City, Nevada, $66,090.90.
(G) Dodge Constr. Co., Inc., Fallon, Nevada, $69,876.25.
(H) Engineers Estimate, $66,270.00.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .06	$ .0625	$ .066	$ .0675	$ .071	$ .07	$ .0775	$ [illegible]
(2)	.10	.098	.10	.11	.105	.10	.11	.095
(3)	425.00	430.00	460.00	475.00	500.00	600.00	550.00	600.00
(4)	425.00	400.00	450.00	475.00	500.00	575.00	550.00	600.00
(5)	25.00	20.00	25.00	25.00	50.00	50.00	50.00	50.00

BIDS OPENED

BENTON FIELD, Alameda, Cal.—J. Catucci, 1212 18th Ave., Oakland, at $98,212.25 submitted low bid to the Constructing Quartermaster Fort Mason, Calif., for grading runways and placing rock underfill thereon, and for the construction and completion of an extension to the present drainage system at Benton Field Air Depot, Alameda.

Complete bids follow:

ITEM I—Grade runways and place underfill; construct extension to present drainage system with concrete pipe, and brick manholes with cast iron covers and frame and concrete aprons:
(A) J. Catucci, Oakland, $98,212.25.
(B) Fredrickson & Watson Constr. Co., Oakland, $142,000.
(C) Heafey-Moore Co., Oakland, $159,-112.

ITEMS:
I Grade runways, etc.;
II If vitrified clay pipe is substituted for concrete pipe in the extension of the drainage system (add).

	(A)	(B)	(C)
(I)	$98,212.25	$142,000.00	$159.112.00
(II)	500.00	700.00	577.00

(1) Underfill, truck measurement per cu. yd.; plain concrete pipe, laid only; excavation, sheathing and crushed rock fill, not included;
(2) 30-in. per lin. ft.;
(3) 21-in. per lin. ft.;
(4) 18-in. per lin. ft.;
(5) 15-in. per lin. ft.;
(6) 12-in. per lin. ft.;
(7) 10-in. per lin. ft.;

Vitrified clay pipe, laid only; excavation, sheathing and crushed rock fill, not included.

(8) 30-in. per lin. ft.;
(9) 21-in. per lin. ft.;
(10) 18-in. per lin. ft.;
(11) 15-in. per lin. ft.;
(12) 12-in. per lin. ft.;
(13) 10-in. per lin. ft.;
(14) Excavation per cu. yd.;
(15) Crushed rock fill per cu. yd.;
(16) Sheathing, (including bracing), per sq. ft. contract area;
(17) Typical manhole, with cast iron frame and cover, and concrete apron (heights 8-ft. each);
(18) Common brick (laid in manhole) per ; M
(19) Concrete, including forms, per cu. yd.;
(20) Reinforcing steel, per 100 lbs.

Unit prices follow:

	(A)	(B)	(C)
(1)	7625	1.10	1.35
(2)	3.88	12.00	3.88
(3)	1.85	6.80	1.75
(4)	1.29	4.90	1.39
(5)	1.18	4.50	1.08
(6)	.80	3.50	.70
(7)	.70	3.40	.60
(8)	4.16	12.00	4.06
(9)	1.98	7.00	1.98
(10)	1.66	5.00	1.56
(11)	1.33	4.80	1.23
(12)	.87	3.75	.77
(13)	.76	3.50	.66
(14)	1.00	1.50	.50
(15)	2.50	3.50	2.60
(16)	.25	.15	.10
(17)	100.00	100.00	65.00
(18)	25.00	25.00	25.00
(19)	15.00	40.00	15.00
(20)	5.00	6.00	5.00

ALAMEDA CO. — Emeryville Subway — (State)

ALAMEDA COUNTY, Calif.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at $26,433.50 submitted low bid to the State Highway Commission, Sacramento, for construction of double reinforced concrete subway with reinforced conc. ramps and wing walls installing drainage system and pumping equipment at Emeryville, Alameda County, at the Paraffine Companies' plant, East Bay Approach to the San Francisco-Oakland Bay Bridge.

Complete bids follow:

(A) Healy-Tibbitts Const. Co., San Francisco, $26,433.50.
(B) Bundeson & Lauritzen and Delta Dredging Co., Pittsburg, $35,411.75.
(C) Fredrickson & Watson Const. Co., Oakland, $38,428.75.
(D) Ben C. Gerwick, Inc., San Francisco, $42,115.50.
(E) M. B. McGowan, San Francisco, $42,485.00.
(F) Barrett & Hilp, San Francisco, $43,517.25.

Unit items follow:

(1) 410 cu. yds. excavation;
(2) 2,800 cu. yds. select backfill;
(3) 1,575 lin. ft. furnish untreated Douglas fir piles;
(4) 2,985 lin. ft. furnish treated do;
(5) 130 each drive piles;
(6) 717 cu. yds. Class A Port. cement concrete struc.;
(7) 61,700 lbs. bar reinf. steel struc.;
(8) 6,700 sq. ft. membrane waterproof
(9) 3,350 sq. ft. dampproofing;
(10) 1 only drain pipe;
(11) 1 lot pumping equip., complete;
(12) 1 lot misc. items of work;

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.00	$ 1.50	$ 2.50	$ 5.00	$ .70	$ 1.50
(2)	1.00	1.75	1.50	3.00	3.55	1.75
(3)	.20	.30	.25	.30	.24	.25
(4)	.50	.60	.60	.60	.60	.50
(5)	20.00	11.00	15.00	24.00	29.00	45.00
(6)	18 50	28.20	31.00	30.00	28.00	35.00
(7)	.04	.043	.06	.03	.05	.04
(8)	.09	.1825	.18	.15	.18	.08
(9)	.03	.03	.04	.06	.03	.02
(10)	880.00	101.50	200.00	150.00	100.00	200.00
(11)	500.00	631.00	600.00	700.00	500.00	1000.00
(12)	1000.00	1075.00	1000.00	865.00	1251.50	900.00

MERCED CO. — 3.3 MI. SURFACING — (STATE)

MERCED COUNTY, Cal.—Von der Hellen & Pierson, Castaic, at $153,774.-80 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing about 3.3 miles with bituminous treated gravel or stone road-mixed, in Merced County, between westerly boundary and 3.5 miles east.

Complete bids follow:

(A) Von der Hellen & Pierson, Castaic, $153,774.80.
(B) Fredrickson & Watson Const. Co., Oakland, $174,174.60.
(C) Peninsula Paving Co., San Francisco, $197,179.00.
(D) George Pollock Co., Sacramento, $198,096.00.
(E) Union Paving Co., San Francisco, $224,463.50.
(F) United Concrete Pipe Co., Los Angeles, $250,724.50.

Unit items follow:

(1) 25 acres clear and grub right of way;
(2) 306,000 cu. yds. rdwy. excav., unclassified;
(3) 2,000,000 sta. yds. overhaul;
(4) 2,900 cu. yds. struc. excav.;
(5) 68 cu. yds. Port. cement concrete to be removed and disposed of;
(6) 135 cu. yds. Class A portland cement concrete struc.;
(7) 9,800 lbs. bar reinf. steel struc.;
(8) 2,150 cu. yds. salvaged surf. detours;
(9) 2,278 lin. ft. 24-in. CMP;
(10) 246 lin. ft. 36-in. CMP;
(11) 666 lin. ft. CMP clean and relay;
(12) 382 lin. ft. CMP remove and salvage;
(13) 2 each remove and reset headwalls;
(14) 14 each spillway assemblies complete in place;
(15) 6,160 M. gals. water;
(16) 8,900 cu. yds. untreated crusher gravel or stone base;
(17) 5,600 cu. yds. crushed gravel or stone bit. treated surfacing;
(18) 380 tons cutback ashp. bit. treat. surfacing;
(19) 3.3 miles mix cutback asphalt & crushed gravel or stone;
(20) 220 bbls. light fuel oil detours;
(21) 250 bbls. heavy fuel oil prime coat;
(22) 1.4 mi. existing property fences remove and reset;
(23) 5.5 miles new property fences;
(24) 20 each fence gates complete in place;
(25) 174 sta. finish roadway;
(26) 54 each monuments complete in place.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$100.00	$ 75.00	$100.00	$ 50.00	$ 40.00	$150.00
(2)	.28	.35	.33	.40	.48	.52
(3)	.005	.005	.013	.004	.004	.005
(4)	.75	1.00	1.45	.80	1.50	2.00
(5)	2.00	1.00	4.80	4.00	3.00	3.00
(6)	18.00	22.50	24.00	20.00	20.00	20.00
(7)	.05	.05	.06	.05	.05	.06
(8)	1.00	.65	.90	1.20	1.00	1.50
(9)	2.50	2.30	2.45	2.50	3.00	2.50
(10)	4.00	5.00	4.65	4.50	5.00	4.50
(11)	.50	.40	.90	1.00	.50	1.50
(12)	.40	.40	.35	1.00	.25	1.00
(13)	20.00	10.00	8.45	15.00	10.00	20.00
(14)	12.00	22.00	22.75	25.00	20.00	15.00
(15)	1.00	1.00	2.15	1.15	2.00	2.00
(16)	1.50	1.30	1.47	2.00	1.73	2.00
(17)	1.60	1.30	1.42	2.00	1.68	2.25
(18)	17.00	22.00	20.60	20.00	20.00	20.00
(19)	500.00	500.00	525.00	500.00	450.00	500.00
(20)	1.40	2.40	1.58	1.80	2.00	2.00
(21)	1.70	2.40	1.90	2.00	2.00	2.00
(22)	200.00	250.00	362.00	300.00	150.00	300.00
(23)	400.00	400.00	592.00	400.00	300.00	500.00
(24)	15.00	18.00	16.55	15.00	15.00	20.00
(25)	5.00	5.00	6.00	5.00	5.00	5.00
(26)	3.00	3.00	4.25	3.00	3.00	3.00

BIDS OPENED

SAN FRANCISCO—The following bids were received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, San Francisco, for furnishing under Invitation Bid No. 1160:

(1) 500 6-in. bell end double disc gate valves;
(2) 500 8-in. do do;
(3) 500 12-in. do do;
(4) 500 16-in. do do;

Complete bids follow:

(A) Ludlow Valve Mfg. Co., Troy, New York.
(B) M. Greenberg & Son, San Francisco.
(C) Chapman Valve Mfg. Co., San Francisco.
(D) Kratz & McClelland, Inc., San Francisco.
(E) Richmond Sanitary Co., San Francisco.
(F) Crane & Co., San Francisco.
(G) Jenkins Bros., New York.
(H) Rensselaer Valve Co., San Francisco.
(I) Kennedy Valve Mfg. Co., San Francisco.
(J) Columbian Iron Works, Chattanooga, Tenn.
(K) Waterworks Supply Co., San Francisco.

	(A)	(B)
(1)	$ 23.52	$15.80
(2)	36.96	24.80
(3)	71.56	44.80
(4)	139.20	74.80

	(C)	(D)	(E)
(1)	$ 23.52	$20.10	$18.30
(2)	36.96	33.10	28.98
(3)	70.56	60.30	67.70
(4)	139.20	124.00	172.80

	(F)	(G)	(H)
(1)	$ 23.52	$19.41	$23.52
(2)	36.96	30.94	36.96
(3)	70.56	58.44	70.56
(4)	139.20	139.20	139.20

	(I)	(J)	(K)
(1)	$ 17.76	$23.52	$12.65
(2)	29.52	36.96	20.60
(3)	68.34	70.56	41.80
(4)	116.50	139.50	82.00

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BIDS OPENED

MODESTO ,Cal.—John Pestana, 1061 71st Ave., Oakland, at $4984.68 submitted low bid to the Modesto city council for the construction of a pressure line and gravity flow line extension to the sanitary sewer system in 19th St., Modesto.

Complete bids follow:

(A) John Pestana, Oakland, $4,984.68.
(B) W. J. Tobin, Oakland, $5,195.72.
(C) Harvey E. Conner, Redwood City, $5,705.00.
(D) George De Golyer, Oakland, $6,-019.00.
(E) Oakland Sewer Const. Co., Oakland, $6,727.32.

Unit items follow:

(1) pump and motor;
(2) 1 dry pit complete with pipe;
(3) 1 wet pipe complete with piping, screens, etc.;
(4) 1,460.40 lin. ft. 6-in. cast iron pipe line constructed complete;
(5) 471.9 8-in. vit. pipe line constructed complete;
(6) 861.9 6-in. do;
(7) 12 wye branches installed on 6-in. line;
(8) 7 manholes;
(9) 1 lamphole.

	(A)	(B)	(C)	(D)	(E)
(1)	$1025.00	$500.00	$650.00	$529.00	$525.00
(2)	225.00	400.00	360.00	900.00	1070.00
(3)	200.00	450.00	300.00	700.00	760.00
(4)	1975.60	2336.00	2200.00	2070.00	2330.80
(5)	486.16	376.80	520.00	500.00	649.64
(6)	778.42	690.92	1225.00	800.00	1068.68
(7)	12.00	12.00	15.00	10.00	6.00
(8)	262.50	420.00	420.00	500.00	315.00
(9)	20.00	10.00	15.00	10.00	12.00

Bids will be referred to Assistant State PWA Engineer, A. D. Wilder; award probably will be made by the city council March 28.

COMPLETE BID LISTING.

ARIZONA STATE.—Vinson & Pringle, 919 E Madison St., Phoenix, at $8,833.00 submitted low bid (as previously reported) to the Arizona State Highway Commission, Phoenix, March 13 for highway construction on the Phoenix-Yuma Highway, NRH 56 (A F E No. 8035.) The work, which is located about 2.5 miles west of the town of Gila Bend, consists of the construction of three concrete box culverts and approaches, and the salvaging and relaying of old oil cake, and is to be completed on or before June 15.

Complete bids follow:

(A) Vinson & Pringle, Phoenix, $8,-833.64.
(B) W. E. Hall Co., Alhambra, Cal., $9,132.30.
(C) Wm. Peper Const. Co., P. O. Box 1564, Phoenix, $9,258.25.
(D) R. E. Martin & Co., Box 934, Tucson, $9,594.00.
(E) H. L. Royden, Box 865, Phoenix, $11,135.59.
(F) Rogers Bros. and D. E. Webb Const. Co., 1633 W Jefferson St., Phoenix, $11,135.59.

Unit items follow:

(1) 50 cu. yds. rdwy. excav., unclass.
(2) 300 cu. yds. drainage do;
(3) 289 cu. yds. struc. do;
(4) 1,806 cu. yds. borrow do;
(5) 254 cu. yds. Class A concrete (including cement);
(6) 23,750 lbs. reinf. steel bars (CIP)
(7) 2,185 sq. yds. salvage and relay oil mix (CIP except road oil);
(8) 295 sq. yds. furnish and place new oil mix (CIP except road oil);
(9) 1,162 gals. road oil (complete in place);
(10) 5 M. gals. sprinkling (complete in place).
(11) 20 hours rolling;
(12) 44 cu. yds. shoulder material, CIP
(13) 965 cu. yds. select material, CIP.

	(A)	(B)	(C)	(D)	(E)	(F)
(1)..	$ .48	$ .30	$ .50	$ .50	$1.00	$ .50
(2)..	.48	.25	.30	.30	.40	.40
(3)..	1.00	1.40	1.20	1.50	2.00	2.00
(4)..	.28	.25	.30	.30	.25	.25
(5)..	19.00	20.00	20.00	21.00	22.00	21.50
(6)..	.058	.055	.05	.055	.055	.055
(7)..	.35	.15	.35	.25	.50	.55
(8)..	.35	.30	.80	.30	1.00	1.20
(9)..	.18	.20	.15	.20	.20	.22
(10)..	4.00	4.00	5.00	4.00	8.00	2.50
(11)..	5.00	5.00	4.00	8.00	10.00	12.50
(12)..	1.25	1.50	.70	1.00	1.00	.50
(13)..	.43	1.00	.70	.80	.80	.95

T. S. O'Connell, State Highway En-

BIDS OPENED

BUTTE CO., Cal.—A. J. Raisch, 251 Kearny St., San Francisco, at $12,441.-50 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, District III, Marysville Hotel, Marysville, for grading and surfacing approaches to the Pine Creek bridge, with bituminous treated crushed gravel or stone.

Complete bids follow:

(A) A. J. Raisch, San Francisco, $12,-441.50.
(B) E. E. Hilliard, Sacramento, $13,-865.50.
(C) Hemstreet & Bell, Marysville, $14-932.35.

Unit items follow:

(1) 12,000 cu. yds. imported borrow;
(2) 75 cu. yds. struc. excavation;
(3) 1.5 cu. yds. Class A Port. cement concrete structures;
(4) 50 lbs. bar reinf. steel struc.;
(5) 950 tons crusher run base;
(6) 550 tons crushed gravel or stone bit. treated surface;
(7) 30 tons cut-back asph. bit. treated surfacing;
(8) 2 tons cut-back asph. seal coat;
(9) 21 bbls. light fuel oil prime coat;
(10) 300,000 gals. water;
(11) 24 lin. ft. 12-in. CMP;
(12) 68 lin. ft. 18-in. CMP;
(13) 2 each concrete headwalls to be removed and reset;
(14) 35 cu. yds. concrete in existing pavement and headwalls to be removed and disposed of;
(15) 0.1 mile existing property fence to be removed and disposed of;
(16) 16.1 miles new property fence;
(17) 15 sta. finishing roadway;
(18) 1 only old bridge to be removed and disposed of;
(19) 4 each monuments;
(20) 24 lin. ft. CMP to be removed and salvaged.

Unit prices follow:

	(A)	(B)	(C)
(1).....	$ .44	$ .52	$ .60
(2).....	1.50	1.00	1.25
(3).....	40.00	35.00	30.00
(4).....	.10	.20	.07
(5).....	2.60	2.50	3.25
(6).....	4.50	3.70	3.75
(7).....	10.00	20.00	20.00
(8).....	30.00	30.00	30.00
(9).....	3.00	5.00	3.50
(10).....	1.00	1.00	1.00
(11).....	1.00	1.00	.40
(12).....	1.00	1.00	.50
(13).....	10.00	15.00	12.00
(14).....	5.00	3.00	4.00
(15).....	100.00	200.00	200.00
(16).....	1000.00	800.00	800.00
(17).....	5.00	10.00	5.00
(18).....	800.00	1500.00	1000.00
(19).....	5.00	3.00	3.00
(20).....	1.00	1.00	.50

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BIDS OPENED

VENTURA COUNTY, Cal.—Oswald Bros., 366 E 58th St., Los Angeles, at $46,670.60 submitted low bid to State Highway Commission for grading and paving with asphalt concrete about 3.3 miles in Ventura county between Beetox and Santa Clara river.

Complete bids follow:

(A) Oswald Bros., Los Angeles, $46,-670.60.
(B) Basich Bros., Torrance, $48,790.50.
(C) C. O. Sparks, Los Angeles, $55,-581.00.
(D) Griffith Co., Los Angeles, $56,-790.70.

Unit items follow:

(1) 174 sta. clear and grub right of way;
(2) 500 cu. yds. rdwy. excav., unclassified;
(3) 110 sta. yds. overhaul;
(4) 10,000 cu. yds. imported borrow;
(5) 60 cu. yds. struc. excav.;
(6) 2,400 sq. yds. subgrade for pave.;
(7) 38,000 sq. yds. asph. paint binder;
(8) 10,330 tons asph. concrete;
(9) 1,600 bbls. heavy fuel oil;
(10) 30,800 sq. yds. mixing fuel oil and earth shoulders;
(11) 5 cu. yds. Class A Port. cement concrete struc.;
(12) 100 lbs. bar reinf. steel struc.;
(13) 12 lin. ft. 18-in. CMP;

LOS ANGELES CO. — SUBWAYS AND CULVERTS — (STATE

LOS ANGELES COUNTY, Cal.—C. Bongiovanni Constr. Co., 2561 Canyon Drive, Hollywood, at $58,888.88 submitted low bid to the State Highway Commission, Sacramento, for construction of eight structures on N Street in the City of Los Angeles, consisting of on reinforced concrete pedestrian subway; two reinforced concrete pipe line culverts; one reinforced concrete vehicular subway; two rinforced concrete retaining walls; one reinforced concrete pipe line subway and one creosoted Douglas Fir timber bridge of seven 19-ft. spans on creosoted Douglas fir pile bents, Invilving:

(1) 2400 cu. yds. struc. excav.;
(2) 14,000 lin. ft. furnish creosoted Douglas fir piles incl. test piles;
(3) 388 each driving creosoted Douglas fir piles incl. test plles;
(4) 177 cu. yds. Class A Port. cem. conc. deck slab;
(5) 1775 cu. yds. Class A Port. cem. conc. struc.;
(6) 32 cu. yds. Class B Port. cement concrete;
(7) 35 cu. yds. Class E Port. cement concrete;
(8) 270,000 lbs. bar reinf. steel;
(9) 74 M.F.B.M. creosoted Douglas fir timber;
(10) 6 M.F.B.M. untrtat. Douglas fir timber;
(11) 135 tons asphalt conc. Type A surface;
(12) 1 lot drainage equipment;
(13) 1 lot lighting equipment;
(14) 1 lot pipe handrail;
(15) 1 lot miscellaneous items of work

Complete bids follow:

(A) C. Bongiovanni Constr. Co., Los Angeles, $58,888.88.
(B) Bannister-Field Co., and Fred E. Pottts Co., Los Angeles, $60,-482.90.
(C) Geo. Hess, Los Angeles, $61,777.
(D) R. R. Bishop, Long Beach, $63,-668.50.
(E) Lynch-Cannon Engineering Co., Los Angeles, $63,793.
(F) Kovacevich & Price, Inc., Southgate, $63,906.40.
(G) Byerts & Dunn, Los Angeles, $64,-677.
(H) Dimmett & Taylor, Los Angeles, $66,723.50.
(I) Oscar Oberg, Los Angeles, $66,989
(J) Oswald Bros., Los Angeles, $67,-717.25.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1).....	$ .36	$ .65	$ 1.15	$ .70	$ 1.50	$ 1.25	$ 1.25	$ 1.00	$ .75	$ .90
(2).....	.51	.53	.50	.44	.40	.50	.50	.50	.46	.52
(3).....	12.00	9.65	10.00	12.00	16.00	10.00	12.00	14.00	14.80	10.00
(4).....	9.90	9.15	10.00	9.75	10.00	12.00	12.00	10.00	12.30	10.00
(5).....	13.75	14.50	15.00	15.00	16.00	16.00	15.00	16.20	15.90	17.50
(6).....	13.00	7.95	14.00	10.00	12.50	15.45	11.00	14.50	12.50	17.50
(7).....	48.00	34.20	30.00	35.00	30.00	50.00	40.00	55.00	55.00	65.00
(8).....	.04	.04	.04	.038	.035	.0385	.04	.04	.038	.04
(9).....	73.00	90.50	82.00	75.00	80.00	77.00	80.00	93.00	84.00	88.00
(10).....	90.00	56.00	100.00	72.00	80.00	60.00	80.00	85.00	77.00	84.00
(11).....	4.00	3.75	4.00	3.85	4.00	5.00	4.00	3.30	6.00	3.25
(12).....	175.00	231.00	215.00	150.00	100.00	100.00	300.00	150.00	1130.00	150.00
(13).....	65.00	293.00	253.00	200.00	200.00	350.00	300.00	400.00	855.00	225.00
(14).....	200.00	278.00	234.00	150.00	175.00	200.00	300.00	240.00	792.00	250.00
(15).....	846 33	358.00	134.00	1600.00	500.00	200.00	1600.00	15[illegible].00	495.00	450.00

(14) 1.7 miles move and reset existing property fences;
(15) 430 M. gals. water;
(16) 2 each culvert markers;
(17) 174 sta. finishing roadway;
(18) 48 each monuments complete in place.

	(A)	(B)	(C)	(D)
(1)...	$ 10.00	$ 11.50	$ 12.00	$ 16.90
(2)....	.40	.25	.50	.50
(3)....	.01	.01	.05	.15
(4)....	.57	.31	.70	.54
(5)....	.90	.75	1.00	1.00
(6)....	.08	.10	.10	.15
(7)....	.02	.015	.02	.03
(8)....	3.25	3.58	3.75	3.94
(9)....	1.25	1.00	1.50	1.20
(10)....	.035	.05	.05	.05
(11)....	25.00	30.00	25.00	25.00
(12)....	.06	.10	.05	.07
(13)....	2.00	2.50	1.75	3.00
(14)....	250.00	100.00	400.00	300.00
(15)....	1.00	2.00	1.50	2.00
(16)....	3.00	2.50	5.00	2.50
(17).	1.50	7.00	5.00	5.50
(18)..	2.00	3.00	3.00	2.50

COMPLETE BID LISTING

MINERAL COUNTY, Nev.—As previously reported, Isbell Const. Co., Carson City, at $116,510.37 awarded contract by the Department of Highways, Carson City, for grading and surfacing 12.29 miles of Section A, Rt. 10, between California State line and Basalt in Mineral County.

Complete bids follow:
(A) Isbell Const. Co., Carson City, Nevada, $116,519.37.
(B) Geo. Pollock Co., Sacramento, Cal. $125,153.52.
(C) Dodge Const. Co., Fallon, Nevada, $136,952.28.
(D) Union Paving Co., San Francisco, $137,971.17.
(E) Engineer's estimate, $137,888.82.

Unit items follow:
(1) 84 acres clear and grub;
(2) move buildings, lump sum;
(3) 144,300 cu. yds. rdwy. excav.;
(4) 94,341 yds. sta. overhaul;
(5) 35,323 cu. yds. select borrow;
(6) 1,550 cu. yds. struc. excav.;
(7) 12.29 miles subgrade;
(8) 38,800 cu. yds. crushed gravel or stone surfacing;
(9) 136 cu. yds. Class A concrete;
(10) 128 cu. yds. Class B concrete;
(11) 17,100 lbs. reinf. steel;
(12) 2,408 lin. ft. 18-in. corru. metal pipe;
(13) 1,652 lin. ft. 24-in. do;
(14) 246 lin. ft. 30-in. do;
(15) 244 lin. ft. 36-in. do;
(16) 42 lin. ft. remove culvert pipe;
(17) 20 lin. ft. relay culvert pipe;
(18) 63 cu. yds. handlaid riprap;
(19) 209 monuments;
(20) 12.29 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$25.00	$30.00	$10.00	$40.00	$30.00
(2)....	250.00	200.00	250.00	300.00	300.00
(3)....	.35	.40	.45	.42	.42
(4)....	.02	.02	.03	.02	.02
(5)..	.35	.40	.35	.45	.50
(6)..	1.50	1.25	1.50	2.00	1.00
(7)....	150.00	100.00	100.00	150.00	100.00
(8)....	.60	.60	.70	.70	.75
(9)....	25.00	25.00	30.00	35.00	28.00
(10)....	25.00	30.00	30.00	30.00	27.00
(11)..	.07	.06	.07	.06	.07
(12)....	2.00	1.50	2.50	2.00	2.00
(13)....	2.50	3.00	3.00	2.75	3.00
(14)....	3.50	3.50	3.75	3.50	3.50
(15)....	6.00	5.00	5.00	5.00	5.00
(16)....	1.00	1.00	1.00	.50	1.00
(17)	1.00	1.00	1.00	.50	1.00
(18).	4.00	3.00	4.00	4.00	3.00
(19)	3.50	3.00	3.00	3.00	3.00
(20)	150.00	200.00	150.00	150.00	150.00

S. C. Durkee, Director of Highways.

TEHAMA CO. — Grading Forest Highway — (Govt.)

TEHAMA COUNTY, Calif.—Tiffany Const. Co., 535 N 7th St., San Jose, at $37,377.20 submitted low bid to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section E and placing subgrade reinforcement on Section E and portions of Sections A, B, C and D of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama Co.

The work involves:
(1) 9 acres clearing;
(2) 23,300 cu. yds. unclass. excav.;
(3) 845 cu. yds. do, for struc.;
(4) 80,000 sta. yds. overhaul;
(5) 10,700 cu. yds. subgrade reinf.;
(6) 64,000 cu. yd. mi. hauling do;
(7) 27 MFBM treated timber;
(8) 128 cu. yds. Class B concrete;
(9) 380 lin. ft. 8-in. perf. CGMP;
(10) 392 lin. ft. 18-in. asph. dipped do;
(11) 38 lin. ft. 24-in. do;
(12) 12 lin. ft. 30-in. do;
(13) 36 lin. ft. 36-in. do;
(14) 36 lin. ft. 42-in. do;
(15) 36 lin. ft. 48-in. do;
(16) 24 each right of way monuments;
(17) 68 lin. ft. remove and relay exist. CMP culverts;
(18) 100 cu. yds. crushed gravel or rock for backfill;
(19) 519 sq. yds. bit. wearing surf.

Total bids follow:
(A) Tiffany Const. Co., San Jose, $37-377.20.
(B) J. R. Reeves, Sacramento, $37.-945.60.
(C) W. H. Hauser, Oakland, $41,556.
(D) Hemstreet & Bell, Marysville, $45-444.50.
(E) Frank Cuffe, San Rafael, $45,520.-50.
(F) Rocca & Calletti, San Rafael, $45-784.00.
(G) Engineer's estimate, $35,771.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1).....	$350.00	$265.00	$300.00	$500.00	$400.00	$400.00	$150.00
(2).....	.40	.35	.47	.55	.47	.40	35.00
(3).....	.60	1.00	2.00	1.50	1.50	1.50	1.50
(4).....	.01	.01	.02	.02	.01	.01	.015
(5).....	.45	.70	.50	.75	1.00	1.30	.65
(6).....	.14	.13	.15	.12	.15	.125	.11
(7).....	125.00	110.00	120.00	97.00	60.00	95.00	100.00
(8).....	20.00	27.50	20.00	29.00	25.00	27.00	26.50
(9).....	1.30	1.50	1.00	1.00	1.50	1.00	1.10
(10).....	2.00	2.00	2.00	2.00	2.25	2.00	1.80
(11)	3.00	2.75	3.00	2.75	3.00	2.50	2.25
(12).....	4.00	3.25	3.50	3.75	4.00	4.00	3.65
(13).....	6.00	4.50	5.00	5.50	5.50	5.50	4.75
(14).....	7.00	5.50	6.00	6.25	6.00	7.00	5.75
(15).....	8.50	6.25	7.00	8.00	7.00	8.50	7.00
(16)	3.00	3.00	3.00	3.00	4.00	3.00	3.50
(17).....	2.50	1.00	1.00	.75	1.00	1.25	1.00
(18).....	5.00	2.00	2.00	3.00	3.00	3.50	3.50
(19).....	1.80	2.00	3.00	1.50	2.00	.50	2.00

All bids held under advisement.

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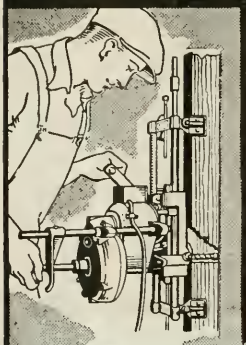

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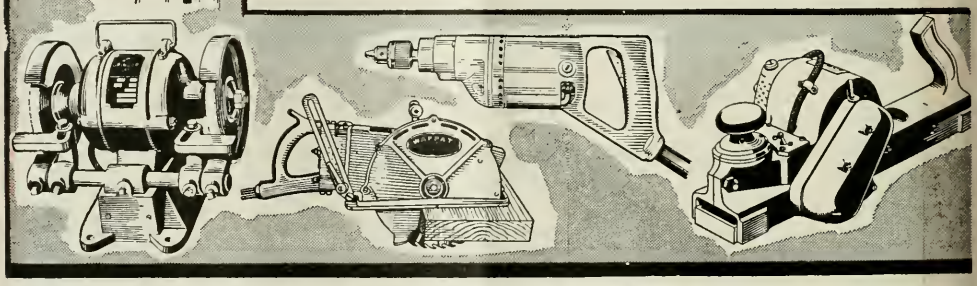

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/ol. XVII SAN FRANCISCO, CALIF., MARCH 31, 1934 No. 12

'RICE INDEX DROPS FROM FEBRUARY PEAK

abor Bureau Reports Average Now 24 Per Cent Above Last Year

Building material prices, as com-ıted by statisticians for the U. S. ɔpartment of Labor, reached a ɔw high in February, but by mid-arch had receded slightly, the in-ɔx for March 17 standing at 86.2 r the group, compared with an 'erage of 86.6 in February.

Prices advances for common ick, facing brick, rosin, turpen-ɔe, sand, gravel and tar were sponsible for the rising average February. Cement and struc-ral steel showed no change in e month, while minor decreases ere recorded for certain lumber ems. The building material group ice average at the end of Febru-y was 24 percent over the cor-sponding month a year ago.

Following are index figures com-ring January and February ices:

	Feb., 1934	Jan., 1934
ıilding materials	86.6	86.3
Brick and tile	87.2	86.6
Cement	93.9	93.9
Lumber	87.3	87.4
Paint & paint mtls	79.3	78.4
Plumbing and heating	72.7	72.5
Structural steel	86.8	86.8
Other builidng mtls	90.3	89.8

Total shipments of oilburners in nuary were reported to the De-ırtment of Commerce at 3055 ıits, compared with 2537 in the rresponding month of 1933 and :39 in December. New orders were ceived in January for 3180 units ompared with 2502 a year ago.

BAY BRIDGE DECK PAVING AWARDED

Award of two sub-contracts on the San Francisco-Oakland bay bridge was announced yesterday by the Columbia Steel Company, general contractors on the bay crossing steel superstructure. A contract for paving the upper and lower decks was let to Bates and Rogers, Old Colony Building, Chicago. A contract for furnishing and fabricating approximately 2500 tons of steel reinforcing trusses was let to Western Pipe and Steel Corp., San Francisco.

PIER SEALED BY CONTRACTOR

Foundation Structures West of Island Now Resting on Bedrock

San Francisco - Oakland Bay Bridge Pier 6, which is in deeper water than any bridge pier heretofore sunk, was yesterday sealed to rock, Chief Engineer C. H. Purcell reported.

Beneath eight wells in the shape of a cross in the center of the caisson, dredging and jetting have excavated to bedrock at a maximum depth of 14 feet below the cutting edge at the bottom of the caisson, and concrete has now been poured into this cross-shaped section beneath the caisson to a point up each of the eight wells 30 feet above the cutting edge.

The other 20 wells will be cleaned out and sealed over a period of three weeks.

The caisson cutting edge is 161.4 feet below the surface of the water and bedrock has been found at approximately 170 feet below water.

$23,486,000 AVAILABLE FOR S. F. PROJECTS

PWA Reallocates Funds to Include All Work Authorized By Bond Votes

Public Works Administration officials yesterday cleared the way for all of San Francisco's construction projects, involving an expenditure of $23,486,000, accordnng to advices received from Washington.

At the request of city officials the PWA reallocated funds previously set aside for the city to include the financing of $3,000,000 in new school buildings and $2,000,000 for high pressure system extension.

These two projects will be granted thirty percent of the cost of labor and materials or an estimated total of $1,324,000. This amount will be deducted from the sum of $12,095,000 previously allocated to the water department improvements. This fund is not expected to sustain a reduction, however, due to the probability that the city can now dispose of enough bonds in private channels to complete the financing.

Funds for the city's construction program authorized at elections November 7, and December 19, 1933, now are assured, officials declared.

The projects and the amounts to be expended are:

Water System Exten	$12,095,000
Raising O'Shaughnessy Dam	3,500,000
Sewer Extensions	2,625,000
High Pressure System Extensions	2,000,000
Airport Improvements	260,000
School Buildings	3,000,000

BAR CONTRACTOR FROM ALL WORK IN CALIFONIA

Permanent Loss of License is Penalty For Second Violation, Registrar Rules

SACRAMENTO, March 26—Convicted for the second time in three weeks on charges of diversion of funds in connection with a building project, R. L. Byrd, 321 N. Beverly Drive, Beverly Hills, today was ordered to permanently surrender his State contractor's license.

In unconditionally revoking Mr. Byrd's license, Colonel Carlos W. Huntington, state registrar of contractors, warned Byrd against engaging in any building operations as a contractor. Failure to heed this warning, it was indicated, will result in his arrest on charges of illegally operating without a license.

Byrd, whose license was revoked following a hearing conducted by Referee I. L. Swearingen upon charges filed by S. McClatchie, 322 N. Camden Drive, Beverly Hills, was under a 30-day license suspension order issued recently by Registrar Huntington.

Denial of the application of the Union Electrical Service Company, 1633 Echo Park Avenue, Los Angeles, a copartnership composed of Arthur William Moore, Joseph Arthur Mortano and Edward Fred Schmidt, for a state contractor's license, was also ordered by Huntington today.

Rejection of the petition followed introduction of evidence indicating that Moore and Schmidt were officers of the Consolidated Electric Construction Company, which allegedly abandoned contracts for electrical work on a Beverly Hills fire station and an El Segundo high school, compelling the Massachusetts Bonding and Insurance Company to complete these projects at a loss of $2,400.

Convicted on charges of illegally aiding and abetting a sub-contractor in evading provisions of the Contractors' Act, E. J. Vosskuhler, 1516 West Sixth St., Santa Ana, was granted probation for 30-days.

Byrd was found guilty on four counts of violation of the State Contractors' Act; abandonment of a project, diversion of funds, failure to complete a building for a contract price, and doing an act by which another is substantially injured, in connection with his contract to erect a residence for McClatchie.

$1,000,000 FOR TWO BRIDGES ON SACRAMENTO

To Advertise Contracts This Month for Spans at Redding and Sacramento

Opening of bids on two state highway bridges on the Sacramento river which together will cost approximately $1,000,000 probably will be scheduled for late in April, according to the program of the State Highway Commission.

Negotiations are under way between the department of public works and the Southern Pacific Railroad Co. on the rearrangement of the railroad tracks at the easterly approach to the Sacramento M Street bridge—the last step before bids are called for the structure. The estimated cost of the span is $700,000.

The Sacramento Northern Railroad Company has approved an agreement under which title to the bridge passes to the state, in lieu of which the company receives a twenty-seven year franchise to use the center portion of the bridge.

Bids on the new span to carry the Pacific highway across the Sacramento river at Redding will be asked either April 18 or 25, department officials said. This bridge has been redesigned for a 34-foot roadway instead of the 30-foot width first planned. The cost is expected to exceed $250,000.

Earl Lee Kelly, state director of public works, praised George T. McCoy, principal assistant highway engineer, and Frank B. Durkee, of the public works legal department, for their efforts in bringing the two bridges virtually up to the point of construction.

ALASKA CITY VOTES ON $100,000 BONDS

The city council of Juneau, Alaska, has adopted a resolution submitting a proposed $100,000 municipal improvement bond issue to the voters, April 3.

Together with a grant from the Public Works Administration it is planned to finance the following work: street improvement, $51,000; sewer and water improvements, $2,750; bridges, $5,000; concrete bulkheads, $12,850; refuse incinerator, $25,000.

U. S. JUDGES HEAR PLEA FOR TAX INJUNCTION

General Contractors Action Asking Relief on Federal Work is Argued

Three Federal judges in San Francisco Wednesday heard arguments on the petition of five general contractors to enjoin the state from collection of sales taxes on materials sold for improvements at Hamilton Field, Marin county base of the Army air corps.

Plaintiffs in the action are Meyer Const. Co., Pacific States Const. Co., Frank J. Reilly and Robert E. McKee. They are represented by Attorney Norman A Eisner.

The contractors contend that collection of a state tax on materials used in federal construction projects is unconstitutional.

In particular they contend that the collection is invalid in the instance of materials sold and delivered on a federal reservation wholly under federal jurisdiction.

Attorney Eisner argued the case for the plaintiffs.

He asked that the court enjoin the state from collecting taxes on materials (a) sold in Hamilton Field, as in the case of ready-mixed concrete; (b) purchased outside the state and delivered at the field (c) purchased within the state for delivery at the field.

He argued that sales consummated within the limits of the field and beyond the jurisdiction of the state authorities, that sales from dealers outside California are in interstate commerce and therefore not subject to state taxation, and that that sales within the state which are taxed are in effect a tax levy on the federal government and therefore unconstitutional.

Attorney H. H. Linney, appearing for the attorney-general in defense of the tax raised the point that the contractor-plaintiffs are in the position of consumers of the materials and are not entitled to bring the action and that the suit should properly be brought by the material dealers who pay the tax to the state on all materials sold.

The case was heard by Judge Curtis Wilbur of the Circuit Court of Appeals, and District Judges A. F. St. Sure and Harold Louderback.

Thirty days will be allowed the plaintiffs in which to file a brief and five days thereafter for a reply brief.

Bids On $1,200,000 Highway Work Opened By Two Commissions

CARSON CITY, March 28.—Contracts aggregating $451,729 on six highway projects were awarded today by the Nevada State Highway Directors. Bids were rejected on a seventh contract and the work will be done by force account, in conformity with NIRA requirements that one federally - financed job in each state be done by day labor as a check on contract prices.

The force account contract selected was for grading and surfacing 1.01 miles in Lyon county between Hoye and the West county line. The low bid was that of Silver State Construction Co., Fallon, at $35,053. The engineer's estimate is $35,142.

Following are the awards on each of the contracts.

George Pollock, Box 903, Sacramento, at $143,264, for reconstructing 20.02 miles between Rhodes and 1.3 miles west of Luning, Mineral county.

Dodge Construction Co., Fallon, at $125,886, for reconstructing 4.37 miles southwest of Crystal, Clark county, including an underpass and reinforced concrete bridge.

Union Paving Co., Call Bldg., San Francisco, at $111,982, for grading and surfacing 22 miles west of Indian Springs in Clark and Nye counties.

Jack Casson, Hayward, Calif., at $38,306, for grading and surfacing 1.25 miles in Carson City, Ormsby county.

U. B. Lee, San Leandro, Calif., at $25,479, for asphaltic surfacing (roadmix) 13.5 mi. between Pioche and Stonehouse in Lincoln county.

Silver State Const. Co., Fallon, at $6,812 for construction of a reinforced concrete bridge near Mesquite in Clark county.

SACRAMENTO, March 28.—Bids were opened today by the State Highway Commission on four contracts, the low bids aggregating $712,170. The openings included one for widening the I street bridge in the city of Sacramento. Others were all for work in Southern California counties.

Following are the low bidders on each project.

Fredrickson & Watson, 873 81st avenue, Oakland, at $456,438 for grading about 24.3 miles and treating roadbed with fuel oil, between Indio and Shavers Summit in Riverside county.

Southern California Roads Co., 2145 E. 25th St., Los Angeles, at $167,952 for grading and paving with asphalt concrete 7.5 miles between Hanford and the easterly boundary of Kings county.

M. A. Jenkins, 3560 Y St., Sacramento, at $11,850 for widening a portion of the I street bridge across the Sacramento river in Sacramento.

Oswald Bros., 266 E. 58th Street, Los Angeles, at $83,960 for portland cement concrete and at $75,930 (asphalt concrete alternate) for paving one mile in Los Angeles county between West Channel road and California avenue.

BUREAU REJECTS IDENTICAL BIDS

Six identical bids received by the Bureau of Public Roads at Portland for a surfacing contract in the Siuslaw national forest have been rejected, District Engineer W. H. Lynch announced. Contractors who submitted identical figures stated that code requirements made a bidding differential impossible on this particular job. The contract was for surfacing 4.4 miles of the McMinnville-Tillamook highway.

Eric Cullenward Resigns Position As Works Deputy

Eric Cullenward, deputy state director of public works under Earl Lee Kelly, has submitted his resignation effective March 31, it is announced in Sacramento.

Mr. Cullenward will become news editor of the San Francisco Chronicle. He is well known in San Francisco where he was formerly employed in newspaper work.

Morgan Keaton, now assistant deputy director, will be promoted to Cullenward's job. Keaton's work in regulation of outdoor advertising will be assumed by James Call, his present assistant. Unemployment relief will be handled by Roger Millard, also of Keaton's present staff.

BIDS INVITED ON FOUR JOBS FOR APRIL 18

Northern California Contracts Advertised By State Highway Commission

SACRAMENTO, March 27.—Bids on four Northern California highway contracts will be received Apr. 18, the State Highway Commission announced today. No Southern California jobs were advertised.

Following are the contracts. (Complete description, including all bid items, in Advance Report section):

SHASTA COUNTY: 34 miles between Redding and Viola to be treated with heavy fuel oil.

SISKIYOU COUNTY: 2.4 miles through the city of Yreka to be graded and surfaced with crusher run base and asphalt concrete.

ALPINE CCUNTY: 6.5 miles to be graded and surfaced with bituminous treated gravel and construct a steel and timber bridge between Centerville bridge and Markleeville.

MONTEREY CO.: Construct a timber bridge across Hot Springs creek, 48 miles south of Monterey.

ENGINEERS DESCRIBE S. F. BAY CROSSING

The current issue of Engineering News-Record (March 22) features an article on the San Francisco-Oakland bay bridge, written jointly by C. H. Purcell, chief engineer, Charles E. Andrew, bridge engineer and Glenn B. Woodruff, engineer of design.

Editorially the magazine states:

"Bridge building interest during the next few years will be centered on the San Francisco region, where the Golden Gate span and the Bay Crossing will both be in the active construction stage. The latter project, in many respects, is the most ambitious bridge building enterprise ever undertaken. It will cost more than any of its predecessors. It contains two suspension bridges, placed tandem, whose main spans are longer than any attempted prior to the George Washington bridge at New York. It contains a tunnel, larger in diameter than even the Boulder Dam diversion tunnels. It contains a cantilever span that has been exceeded only twice. And, excepting some concrete-pile trestles, it is the longest bridge crossing yet attempted. The evolution of its design, presented in this issue, is therefore of major consequence. For this bridge is destined to advance engineering knowledge and achievement just as every great project has done in the past."

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
165	Iacono	Isaac	15000
166	Cotugno	Isaac	12000
167	Hofferman	Owner	2000
168	Iacono	Isaac	15000
169	Hermann	Erickson	5000
170	170 Music	Burt	2000
171	Steinbring	Owner	3000
172	Blum	——	1000
173	Glaser	Siegrist	2975
174	Lovotti	Oliva	2000
175	Southern	Owner	5000
176	Selix	Unit	5000
177	Kullijian	Malloch	1000
178	Shoenfeld	Malloch	1500
179	Lublinsky	Greenberg	2000

FLATS
(165) E FILLMORE 100 S Marina Blvd. Two-story and basement frame flats (2 families).
Owner—S. Iacono, % Contractor.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor — H. H. Isaac, 1738 Page St., San Francisco. $15,000

ALTERATIONS
(167) NO. 1651-1655 FIFTEENTH ST. Alter flats.
Owner—Clara H. Offerman, 547 Guerrero St., San Francisco.
Architect—Not Given. $2000

FLATS
(168) E FILLMORE ST. 130 S Marina Blvd. Two-story and basement frame flats (2 families).
Owner—S. Iacono, % Contractor.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor — H. H. Isaac, 1738 Page St., San Francisco. $15,000

DWELLING
(169) W MISION 75 N College Terrace. Two-story frame dwelling.
Owner—Mr. and Mrs. Victor Hermann, % Contractor.
Architect—Not Given.
Contractor — Henry Erickson, 972 Chenery St., S. F. $5000

ALTERATIONS
(170) NO. 879 O'FARRELL STREET. Alter restaurant.
Owner—Music Box, Inc., Premises.
Architect—Not Given.
Contractor—V. L. Burt, 279 6th Ave., San Francisco. $2000

ALTERATIONS
(171) NO. 4525 EIGHTEENTH ST. Alter dwelling and store.
Owner—A. R. Steinbring, Premises.
Architect—Not Given. $3000

ALTERATIONS
(172) NO. 405 MONTGOMERY ST. Alter office.
Owner—Jack S. Blum, 405 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Not Decided. $1000

WAREHOUSE
(173) S STILLMAN 115 E 4th St.; 2-story Class C warehouse.
Owner—Glaser Bros., 475 Fourth St.
Engineer—N. B. Green, Sharon Bldg.
Contractor—F. R. Siegrist, 604 Mission Street. $2975

ALTERATIONS
(174) 2779 21st STREET; alter dwelling.
Owner—Silvio Lovotti, 2779 21st St.
Architect—Not Given.
Contractor—Victor Oliva, 2160 Bryant Street. $2000

ALTERATIONS
(175) 1646 THIRD ST.; alter warehouse.
Owner—Southern Pacific Co., 65 Market Street.
Architect—J. H. Christie, 65 Market Street. $5000

ALTERATIONS
(176) NO. 928-930 MARKET ST. and 55-57 Eddy St. Alter stores.
Owner — Selix Clothing Co., Mason Eddy Sts., San Francisco.
Architect—Not Given.
Contractor — Unit Bilt Fixture Co., 963 Harrisoon St. $5000

ALTERATIONS
(177) NO. 1400 OCEAN AVE. Alter market.
Owner—James Kullijian, % Contractor
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1000

ALTERATIONS
(178) SW SANSOME AND COMmercial Sts. Alter bank.
Owner—Jonas Shoenfeld, % Contractor.
Architect—Fred H. Meyer, 525 Market St., San Francisco.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1500

ALTERATIONS
(179) NO. 1456 WALLER ST. Alter dwelling.
Owner—Mrs. M. Lublinsky, Premises.
Architect—Not Given.
Contractor—Charles Greenberg, 3118 23rd St., S. F. $2000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
No.	Owner	Contractor	Amt.
125	Dooley	Owner	4200
126	Carlson	Owner	4000
127	City of Oakland	Owner	1062
128	Same	Owner	3525
129	Same	Owner	2733
130	Same	Owner	3289
131	Same	Owner	1756
132	Same	Owner	1086
133	Same	Owner	1552
134	Same	Owner	1577
135	Same	Owner	1393
136	Same	Owner	2345
137	Same	Owner	2027
138	Same	Owner	1761
139	Same	Owner	1034
140	Same	Owner	1635
141	Same	Owner	1092
142	Electrical	Owner	2000
143	Lindsay	Owner	1000
144	Lindsay	Owner	1000
145	Berkeley	Netherby	4000
146	Achor	Rich	1275
147	Johns	Owner	1250
148	Van Aalst	Owner	1000
149	Cardinet	Moore	13848
150	Fenton	Strickland	6200

DWELLING
(125) NO. 4849 PROCTOR AVENUE, **OAKLAND.** One-story 5-room dwelling.
Owner—F. T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given. $4200

DWELLING
(126) NO. 765 EUCLID AVE., **BERKELEY.** One-story 6-room frame dwelling and garage.
Owner——Oscar Carlson, 659 Santa Barbara Road, Berkeley.
Architect—Not Given. $4000

FLATS
(166) N JEFFERSON 100 E Fillmore; 2-story and basement frame flats (two families).
Owner—P. Cotugno, % Contractor.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor—H. H. Isaac, 1738 Page St., San Francisco. $12,000

ALTERATIONS
(127) 6226 MORAGA ROAD, **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1062

ALTERATIONS
(128) FIFTEENTH AND OAK STS. **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $3525

ALTERATIONS
(129) CITY HALL, **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $2733

ALTERATIONS
(130) NO. 466 FIFTY-FIRST ST., **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $3289

ALTERATIONS
(131) NO. 817 ALICE ST., **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1756

ALTERATIONS
(132) NO. 3461 CHAMPION STREET **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1086

ALTERATIONS
(133) NO. 3441 THIRTEENTH AVE. **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1522

ALTERATIONS
(134) NO. 1375 NINETY-THIRD AVE **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1577

ALTERATIONS
(135) NO. 698 FIFTY-SIXTH ST., **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1393

ALTERATIONS
(136) NO. 1681 EIGHTH ST., **OAKLAND.** Alterations and repaisr.
Owner—City of Oakland.
Architect—Not Given. $2345

ALTERATIONS
(137) NO. 1235 E-FOURTEENTH ST. **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $2027

ALTERATIONS
(138) NO. 480 SIXTH ST., **OAKLAND** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1761

ALTERATIONS
(139) NO. 1215 THIRTY-THIRD AVE **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1034

ALTERATIONS
(140) NO. 427 TWENTY-FIFTH ST.,

OAKLAND. Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1635

ALTERATIONS
(141) NO. 4251 MONTGOMERY ST., **OAKLAND.** Alterations and repairs.
Owner—City of Oakland.
Architect—Not Given. $1092

SIGN
(142) SE TWELFTH AND BROADway, **OAKLAND.** Roof sign.
Owner—Electrical Products Corp., 950 30th St., Oakland.
Architect—Not Given. $2000

ICE BOX
(143) 3404 FRUITVALE AVE., **OAKLAND;** ice box.
Owner and Contractor—A. P. Lindsay, 6065 Chabot Road, Oakland.
Architect—Not Given. $1000

ICE BOX
(144) 4223 PARK BLVD., **OAKLAND!** ice box.
Owner and Contractor—A. P. Lindsay, 6095 Chabot Road, Oakland.
Architect—Not Given. $1000

RESIDENCE
(145) NO. 510 GRIZZLY PEAK BLVD. **BERKELEY.** Two-story 6-room residence.
Owner—Berkeley Hillside Properties, San Francisco.
Architect—Not Given.
Contractor—W. A. Netherby, 3854 Lyman Road, Oakland. $4000

ALTERATIONS
(146) NO. 553 LAKE PARK AVENUE **OAKLAND.** Alterations.
Owner—H. H. Achor, Bond St., Oak-
Architect—Not Given.
Contractor—James L. Rich, 556 37th St., Oakland. $1275

DWELLING
(147) NO. 3722 MAYBELLE AVE., **OAKLAND.** One-story 3-room dwelling.
Owner—David Johns, 3720 Maybelle Ave., Oakland.
Architect—Not Given. $1250

ADDITION
(148) NO. 1401 SEVENTY-FOURTH Ave., **OAKLAND.** Brick and tile addition.
Owner—W. Van Aalst, 2039 34th Ave., Oakland.
Architect—Not Given. $1000

ADDITION
(149) NO. 2172 MARKET ST., **OAKLAND.** One-story brick factory addition.
Owner—Cardinet Candy Co., Prem.
Architect—Wm. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—The John J. Moore Co., 354 Hobart St., Oakland. $13,848

DWELLING
(150) NO. 5919 ACACIA AVENUE, **OAKLAND.** Two-story 6-room dwelling and one-story garage.
Owner—Marian H. Fenton, 1278 Sunnyhills Road, Oakland.
Architect—Not Given.
Contractor — W. K. Strickland, 1278 Sunnyhills Road, Oakland. $6200

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
20	Standard	Krenz	15287
21	Standard	Albertson	13049
22	Williams	Boiler	10030
23	Same	Christiansen	1289
24	Same	Koetitz	1079
25	Ratcliff	Atkinson	6200

COPPER WORK
(20) SAN LEANDRO AND JONES Avennes, Elmhurst. All copper work for building.
Owner—Standard Brands, Inc., Emeryville.
Architect—Not Given.
Contractor—The Oscar Krenz Copper & Brass Works, Inc., 620 Bryant St., San Francisco.
Filed Mar. 22, '34. Dated Feb. 6, '34.
Material on job..... 25%
Erection 50% completed..... 25%
When accepted 25%
30 days after..... 25%
TOTAL COST, $152,087.50
Bond, $152,087.50. Surety, Maryland Casualty Co. Limit, forfeit, none. Plans and specifications filed.

FIRE PROTECTION
(21) NO. 921 NINETY-EIGHTH AVE. Elmhurst. Fire protection system and automatic sprinkler for building.
Owner—Standard Brands, Inc., Emeryville.
Architect—Bliss & Fairweather, 1008 Balboa Bldg., San Francisco.
Contractor — Albertson - McCormick Sprinkler Co., Ltd., 865 Mission St., San Francisco.
Filed March 22, '34. Dated Feb. 5, '34.
Underground system completed 50%
On completion 25%
Final test and acceptance..... 25%
TOTAL COST, $13,049
Bond, $13,049. Surety(Fidelity & Deposit Co. of Maryland. Limnit, forfeit, none. Plans and specifications filed.

STORAGE BIN
(22) SHELLMOUND PARK, Emeryville. Steel storage bin.
Owner—C. K. Williams Co., Emeryville.
Architect—Henry S. Howard, Bank of America Bldg., Oakland.
Contractor—Boiler, Tank & Pipe Co., 800 75th Ave., Oakland.
Filed Mar. 22, '34. Dated Mar. 20, '34.
10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,030
Bond, none. Limit,40 days. Forfeit, $50 per day. Plans and specifications filed.

(23) FURNISHING REINFORCED concrete foundations on above.
Contractor—H. J. Christiansen Co., 1955 Webster St., Oakland.
Filed Mar. 22, '34. Dated Mar. 5, '34.
Final payments 10 days after completion
TOTAL COST $1289
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

(24) PILE DRIVING ON ABOVE.
Contractor—Koetitz & Koetitz, 1424 Fountain St., Alameda.
Filed Mar. 22, '34. Dated Mar. 7, '34.
Final payments 10 days after completion
TOTAL COST, $1079
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

STORE BLDG.
(25) LOTS 5 and 6 BLK 12, Regents Park No. 8, Albany; store bldg.
Owner—M. W. Ratcliff.
Plans by Owner.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Filed Mar. 24, '34. Dated, Mar. 21, '34.
Payments to sub-contractors on approved bills.
Final payment usual 35 days.
TOTAL COST, $6,200
Limit, 50 days. Plans and Spec. filed.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
38	Eastern	Mooney	2800

REPAIRS
(38) NO. 1520 GREEN ST. All work for repairing fire damage to church
Owner—Eastern Orthodox Society of San Francisco, Premises.
Architect—Not Given.
Contractor — William J. Mooney, 68 Belcher St., San Francisco.
Filed Mar. 24, '34. Dated Mar. 13, '34.
Upon completion ..... ⅔
Usual 35 days..... ⅓
TOTAL COST, $2800
Bond, $1500. Surety, Maryland Casualty Co. of Maryland. Limit, 45 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER apartments, $50; 1556 Filbert St.; owner, D. L. Blauton, Prem.

ADD to dwelling, $75; E Goettingen 110 N Harkness St.; owner, A. Kloch, 1153 Goettingen St.

ALTER flats, $100; 21-23 Crescent Ave. owner, Mrs. A. Pedemante, 1034 45th St., Oakland.

ALTER restaurant, $500; 84 Third St. owner, Lewek & Nossum, Prem.; contractor, William Martin, 666 Mission St.

ALTER dwelling, $40; 32 Belcher St.; owner, C. A. Alright, Premises.

ALTER social hall, $186; 718-A Chestnut St.; owner, P. D. San Martino, 719-A Chestnut St.; contractor, B. Pagano and F. Rossi, 2210 Filbert

ALTER dwelling, $400; 1331 Francisco St.; owner, William Ringer, 1331 Francisco St.

FLUES (3) patent, $75; 3373 22nd St.; owner, Mr. Cuthbertson, Premises contractor, John J. Delucchi, 1526 Powell St.

ALTER flats, $75; 1521 Sutter St.; Agents, Slevin Co., 176 Sutter St.

SIGN, electric, $200; 885 Market St.; owner, C. H. Baker & Co., Prem.; contractor, Novelty Elec. Co., 66 Washburn St.

SIGN, electric, $175; 3372 Mission St.; owner, C. Cordano, Premises; contractor, Apex Elec. Co., 363 Fell.

BARBER pole, $80; 305 Mason St.; owner, Fred Cirimele, Premiss.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Bids Being Taken.
APARTMENTS Cost, $40,000
SACRAMENTO, Sacramento Co., Cal. W Twenty-first and W Streets.
Two-story and basement frame and stucco apartment bldg. (20 2- and 3-room apts.) tar and gravel roof, steam heating system, oil burner, hardwood floors, tile baths, etc.
Owner and Builder—Charles Mackrell, 1415 G St., Sacramento.
Engineer — Frank D. Talbot, Forum Bldg., Sacramento.
Sub-bids are being taken on plumbing, tiling and electrical work All other work being done by Chas. Mackrell.

2— BONDS

BIDS WANTED
ROSEVILLE, Cal.—Until April 5, 2 P. M., bids will be received by the Roseville City Council for the sale of $250,000 of municipal water bonds. Bond money will be used to finance construction of a new municipal water distribution system.

BIDS WANTED
LAS VEGAS, Nevada — Until April 12, 3 P. M., bids will be received by the Las Vegas City Commissioners for the purchase of sixteen bonds of the Las Vegas Sewage Bond Issue, being part of the $160,000 bond issue. The bonds are $1000 each and bear interest at 7%. Cash or certified check, 5%. Viola Burns, City Clerk.

SALE
COLTON, San Bernardino County, Cal.—Until April 9, 11 A. M., bids will be received by the San Bernardino County Supervisors for the sale of Colton School District bonds in the sum of $25,000.

BIDS WANTED
PLACER COUNTY, Cal.—Until Apr. 3, 10 A. M., bids will be received by the Board of Supervisors of Placer County, at the Court House in Auburn, for the sale of $80,000 bonds of the Roseville Elementary School District. Bonds are to finance construction of a new elementary school and alterations and additions to two existing schools.

March 24, 1934

BONDS SOLD
STOCKTON, Cal. — Stockton Port Commission has accepted the bid of Stockton Savings and Loan Bank for an issue of $660,000 in 5% bonds.
The money will be supplemented by PWA funds. Bankamerica Co., San Francisco, submitted the only other bid on $225,000 5% bonds. The money will be used for general improvements at the Port of Stockton.

BIDS WANTED
SAN JOSE, Cal.—Until April 2, 8 P. M., bids will be received at the office of City Clerk John J. Lynch, City Hall, for the sale of $375,000 in municipal improvement bonds. The bond money will be used to finance construction of a new municipal auditorium.

3— CHURCHES

Contract Awarded.
REPAIR CHURCH Cost, $2800
SAN FRANCISCO. No. 1520 Green Street.
Repair fire damage to church.
Owner—Eastern Orthodox Society of San Francisco, 1520 Green St.
Architect—Not Given.
Contractor——William J. Mooney, 68 Belcher St., San Francisco.

Planned.
CHURCH Cost, $25,000
BAKERSFIELD, Kern Co., Calif. Monterey and King Streets.
Chapel and recreation hall (chapel to seat 250 persons, stage, Sunday school classrooms, kitchen, etc.)
Owner — Church of Jesus Christ of Latter-Day Saints (J. E. Smith, First Counselor).
Architect—Not Given.

Planned
CHURCH Cost, $——
CROCKETT, Contra Costa Co., Calif.
Construct new church building.
Owner—Valona Presbyterian and Congregational Churches (Rev. Rudolph Caughey, Pastor) Crockett.
Architect—Not Given.

4— FACTORIES & WAREHOUSES

BIDS WANTED
HUMBOLDT AND DEL NORTE COUNTIES, Cal.—Until April 11, 2 P. M., bids will be received by Department of Public Works, Division of Highways, Office of the District Engineer, Eureka, Calif., for the construction of maintenance station buildings in Humboldt and Del Norte Counties as follows:
One Standard truck shelter (Valley type, 30x60 feet) at Orick.
One Standard truck shelter (Valley type, 30x60 feet) at Klamath.
One Standard truck shelter (Valley type, 30x60 feet) at Crescent City.
Work includes excavation, concrete, masonry work, carpentry, mill work, sheet metal work, painting, glazing, plumbing and electrical installations.
Plans and specifications available from above office upon deposit of $25.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. N Hunt St. 160 E Third Street.
Alterations to canopy for shelter.
Owner—Bothen Realty Co., 604 Mission St., San Francisco.
Architect—Not Given.
Contractor — Michel & Pfeffer Iron Works, Tenth and Harrison Sts., San Francisco.

Plans Being Completed.
SHEDS Cost, $——
SANTA CLARA, Santa Clara Co., Cal. Seventh and Jackson Sts.
Two corrugated iron packing sheds (250 feet).
Owner — Santa Clara Packing Co., (Albert Beall, President), Santa Clara.
Architect — Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Work will be done by day's labor under owner's supervision.

Contract Awarded.
WAREHOUSE Cost, $3000
SAN FRANCISCO. S Stillman St. 115 E Fourth St.
Two-story Class C warehouse.
Owner—Glaser Bros., 475 Fourth St., San Francisco.
Engineer—N. B. Green, Sharon Bldg. San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $18,000
VALLEJO, Solano Co., Cal. Pennsylvania and El Dorado Streets.
One-story reinforced concrete warehouse and garage building (Pabco roof, concrete floors, steel sash, steel trusses and plumbing fixtures).
Owner—Vallejo Elec. Light & Power Co., Vallejo.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—James Bitcon, 628 Louisiana St., Vallejo.

Metal Window Contract Awarded.
ADDITION Cost, $25,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal. No. 20 S-Linden St.
Reinforced concrete addition to ink manufacturing plant.
Owner — George H. Morrill Co., 130 Fremont St., San Francisco.
Plans by Engineering Dept. of Owner, New York City.
Contractor — Dinwiddie Construction Co., Crocker Bldg., S. F.
Metal Windows—Soule Steel Co., 1750 Army St., San Francisco.

Contract Awarded.
FACTORY Cost, $4000
SAN FRANCISCO. SE Yosemite and Mendell Streets.
One-story frame and corrugated iron factory (composition roof).
Owner—Simon Mattress Mfg. Co., 1777 Yosemite St., San Francisco.
Engineer—W. W. Hanscom, 848 Clayton St., San Francisco.
Contractor—George Wagner, 181 South Park, San Francisco.

CONTRACT AWARDED
SAN FRANCISCO — K. E. Parker Co., 135 South Park, at $151,100 awarded contract by War Department for the construction of a one-story steel frame and reinforced concrete pier shed, 111x574 feet with 2-in. Redwood deck roof, plumbing and electrical work, wrecking of present wooden shed and shop, etc. Fay Improvement Co., Phelan Bldg., at $18,800 awarded contract for laying railroad tracks, etc.

Sub-Bids Wanted
ADDITION Cost, $——
EMERYVILLE, Alameda Co., Cal. 4343 San Pablo Avenue.
One-story mill type addition to factory (masonry, brick work, sheet metal etc.; 50x100 feet).
Owner—Oliver Tire & Rubber Co., 4343 San Pablo Ave., Emeryville.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—Fred. J. Early, 1629 Tele-

graph Ave., Oakland, and 369 Pine St., San Francisco.
Sub-bids are wanted on brick work, sheet metal, miscellaneous iron, etc.

Being Done By Days' Work
FACTORY Cost, $40,000
SACRAMENTO, Sacramento Co., Cal. 31st and Y Streets.
One-story wood frame automobile factory (120x130 feet) concrete floors.
Owner—A. J. Morrison, 18th and K Sts., Sacramento.
Architect—Not Given.
Work is being done by day's labor.

Bids Wanted
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St. 100 North Bryant Street.
One - story steel and concrete mash house.
Owner — Milwaukee Brewery Co., 490 Tenth Street.
Engineer—W. E. Murray, 908 Hayes.
W. E. Murray, engineer, is receiving bids until March 31 on the conveyor, elevator and hopper. Grain tank bids are in and will be awarded shortly.

Low Bidder.
ALTERATIONS Cost, $——
SAN FRANCISCO. SW Nineteenth and Tennessee Streets.
Alterations to brick winery (new offices, etc.)
Owner—Prima Vista Wine Company, 731 Bryant Street.
Architect—M. J. Rist, Phelan Bldg.
Low Bidder—Fink and Schindler, 552 Brannan Street.

Plans Being Prepared.
FACTORY Cost, $200,000
OAKLAND, Alameda Co., Cal. E-Fourteenth St. near 39th Avenue.
Construct new factory (capacity of 250,000 lbs. of salami per month).
Owner—Golden State Salami Co, 601 Franklin St., Oakland. (A. Zampa Manager).
Architect—Withheld.
Further details will be announced within a few days.

Elevator Contract Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. SW Fifteenth and Bryant Streets.
Alterations to factory.
Owner—California American Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Go. Wagner, 181 South Park, San Francisco.
Elevator — Pacific Elevator Co., 45 Rausch St., San Francisco.

Contract Awarded.
FACTORY Cost, $14,000
OAKLAND, Alameda Co., Cal.
One-story and basement frame and brick factory.
Owner—Cardinet Candy Company.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—John J. Moore, 354 Hobart St., Oakland.

Grains Tank Contract Awarded.
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St. 100 N Bryant Street.
One-story steel and concrete mash house.
Owner — Milwaukee Brewery Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Grains Tank — Pacific Coast Boiler Works, 235 Main St., at $1445.
Bids are now being received by Mr. Murray for conveyor, elevator and hopper. Bids open March 31, 4 P. M.

Planned.
TANKS, ETC. Cost, $——
RICHMOND, Contra Costa Co., Cal. Parr Terminal.
Construction of two or three tanks for lubricating oil, filling, etc.
Owner—Withheld.
Lessor—Parr Terminal Co., 1 Drumm St., San Francisco.
Further details will be announced shortly.

Contract Awarded.
ADDITION Cost, $30,000
SAN JOSE, Santa Clara Co., Cal, Taylor St., bet. 8th and 9th Sts.
Addition to present factory.
Owner—Continental Can Co., Prem.
Architect—Not Given.
Contractor—Austin Co. of Calif., 777 E. Washington St., Los Angeles.

Sub-Contracts Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. Third, Fourth, Berry and Channel Streets.
Alterations to reinforced concrete warehouse.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Plans by Engineering Dept. of Owner (J. H. Christie in charge).
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.
Masonry—White & Gloor, Monadnock Bldg., San Francisco.
Plastering—Wm. Makin.
Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Ornamental Iron — Industrial Ornamental Iron Works, 552 Noe St., San Francisco.
Ventilating—Ace Sheet Metal Works, 444 Clementina St., San Francisco
Sheet Metal—Morrison & Co., 74 Duboce Ave., San Francisco.

Federal Permit Granted
DISTILLERY Cost, $300,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton (Rough & Ready Island).
Construct distillery.
Owner—Donlevy Distilling Corp., San Diego.
Architect—Not Given.
Federal Alcohol Control Administration has approved the permit of the Donlevy Distilling Corp. to operate the distillery. Further details will be announced shortly.

5— FLATS

Sub-Contracts Awarded.
FLATS Cost, $12,000
SAN FRANCISCO. N Filbert Street 100 E Franklin Street.
Two-story and basement frame and stucco flat building (two 5-room flats) composition roof, steam heatng system, hardwood floors, tiled baths, canvas walls, etc.)
Owner—E. Besozzi, 1801 Hyde St., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor—Fracchia & Truffelli, 2450 Chestnut St., San Francisco.
Concrete Work — L. Sartorio, 2440 Greenwich St., San Francisco.
Glass—Habenicht & Howlett, 529 Clay St., San Francisco.
Iron Work—F. Kern & Sons, 517 Sixth St., San Francisco.
Tile—Scott Co., 243 Minna St., S. F.
Plaster — E. Valentino, 3132 Octavia St., San Francisco.
Painting — C. Magistri, 130 Forester St., San Francisco.

6—GARAGES & SERVICE STATIONS

Planned.
SERVICE STATION Cost,$——
REDWOOD CITY, San Mateo Co., Cal. SW Jefferson Ave. and El Camino Real.
Construct new service station.
Owner — Lawrence Heiner, 1049 El Camino Real, Redwood City.
Architect—Not Given.

Contract Awarded.
SERVICE STATION Cost, $3000
OAKLAND, Alameda Co., Cal. No. 2700 San Pablo Avenue.
One-story brick service station.
Owner—George R. Morrison, 3930 Lyman Road, Oakland.
Architect—Not Given.
Contractor—H. P. Nerheim, 3276 Arizona St., Oakland.

Planned.
GARAGE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. Cliff Street.
Construct new 25-car garage.
Owner — Santa Cruz Seaside Co., Casino, Santa Cruz.
Architect—Not Given.

Sub-Contracts Awarded
SERVICE STATION Cost, $6500
SACRAMENTO, Sacramento Co., Cal. 280 M Street.
Super service station.
Owner—Standard Oil Co., Tenth and J Streets, Sacramento.
Plans by Engineering Dept. of Owner.
Contractor—C. J. Hopkinson, 1810 28th Street, Sacramento.
All sub-contractors of Sacramento.
Plumbing—A. W. Sweet, 1436 Del Paso Boulevard.
Electric—E. L. French, 1926 O St.
Concrete—C. R. Fiedler, 2631 30th St.
Brick—Harry Johnson, 818 26th St.
Roofing—F. A. Clark, Fruitridge.
Plastering bids are now being taken.

ESTIMATES WANTED
OAKLAND, Alameda Co., Cal.—C. E. Atkinson, 3125 61st Ave., Oakland, is receiving bids on gas station equipment.

Contracts Awarded.
SERVICE STATION Cost, $——
FRESNO, Fresno Co., Cal. Divisadero and H Streets.
Steel service station (six gasoline pumps, lubrication rack, battery, tire and accessory depts.)
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service, 646 Park Ave., San Jose.
Steel Building — Independent Iron Works, 821 Pine St., Oakland.
Plumbing — Cox Plumbing Co., 2320 Tulare St., Fresno.
Electric — Snider Electric Co., 2237 Fresno St., Fresno.

7—FEDERAL BUILDING

SITE SELECTED
SANTA PAULA, Ventura Co., Cal.—Treasury Department has selected the property at the northwest corner of the city hall grounds in Santa Paula as the site for the U. S. post office to be erected in that city. The site covers an area of 100x150 feet. The sum of $52,800 has been appropriated for the project.

TO ASK BIDS
VENTURA, Ventura County—Treasury Department announces that advertisement for bids will be issued about May 1 for the U. S. post office building to be erected in Ventura. Architect Harold E. Burket, 455 E. Main St., Ventura, is revising plans for the structure, the appropriation for which is $85,800.

BIDS OPENED
SALEM, Ore.—Malarkey & Kallander, Portland, submitted low bids to the U. S. Property and Disbursing Officer, Militia Bureau, Salem, Ore., March 21, for constructing warehouse, oath buildings and an infirmary at Camp Clatsop, Ore. Their bids were: Warehouse, $18,033; three bath build-

ings for officers, $7676; two bath buildings for enlisted men, $7143; infirmary, $3275. Other low bids were: Three mess halls, Burgess, Larvick & Ostrum, $2983; seventy tent floors, Burgess & Peppino, $1469; electric light system, J. Blair Miller, Oregon City, $2179; painting, McCafferty & Noll, Salem, $898.

BUILDING MATERIALS APPROVED

SAN FRANCISCO — Treasury Department approved the following equipment awards for the construction of the new Federal Building in the Civic Center, San Francisco. Great Lakes Constr. Co., Chicago, Ill., General Contractors.

Centrifugal pumps, Nash Engineering Co.; motors, Continental Elec. Co.; motor starters, General Elec. Co.; wrought iron pipe, Byers Pipe Mfg. Co.; steel pipe, Wheeling Steel Corp.; copper pipe, Bridgeport Brass Co.; cast iron fittings, Pittsburgh Valve & Fitting Co.; brass fittings and malleable iron fittings, Pittsburgh Valve & Fitting Co.; automatic sprinklers, Reliable Automatic Sprinkler Co.; lawn sprinklers, Mueller Brass Co.; plumbing fixtures and drinking fountains, Standard Sanitary Mfg. Co.; sump pumps, Nash Engineering Co.; motors, Continental Elec. Co.; motor starters, General Elec. Co.; fire pump, Nash Engineering Co.; motor starters, Westinghiuse Elec. & Mfg. Co.; sewage ejectors, Nash Engr. Co.

BIDS WANTED

SAN DIEGO, Cal. — Until April 3, 11 A. M., bids will be received by Public Worke Officers, Naval Operating Base, Eleventh Naval District, San Diego, for repairs to marble work at the Naval Operating Base (Marine Corps Base), San Diego. Spec. No. 7647. Work includes provision of certain new marble slabs and pieces to replace present broken marble; resetting of certain loose marble slabs in wash rooms and toilets; provision of materials for and installation of a plaster mould over the top of the marble slabs of showers where slabs are adjacent to plastered walls; and replacing of missing and broken tile in drainboards in dispensary building. Plans and specifications available from above office upon deposit of $10.00.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on April 25, for extension to storehouse at the Naval Fleet Air Base (Ford Island), Pearl Harbor. The work includes concrete and hollow tile construction, steel and iron work, steel windows, pressed metal, metal covered and steed rolling doors, metal partitions, built-up roofing, stucco, refrigerated drinking fountain, and plumbing and electrical systems. Spec. No. 7594:

Phoenix Bridge Co., Phoenixville, Pa.

Virginia Bridge & Iron Co., Roanoke Virginia.

Wm. MacDonald Constr. Co., St. Louis.

McClintic-Marshall Corp., Baltimore Crane Co., Washington.

J. S. Thorne Co., 20th and Allegheny Ave., Phila.

Blake-Palm Elev. Corp., 1915 E. St. N. W., Washington.

Honolulu Iron Works, 165 Broadway, New York City.

U. S. Steel Products Co., 30 Church St., New York City.

Yale Towne Mfg. Co., Stanford, Conn.

Belmont Iron Works, 2215 Washington Ave., Phila .

CONTRACT AWARDED

MARYSVILLE, Yuba Co., Cal.—Standard Electric Time Co., 950 Parker St., Berkeley, awarded contract by Treasury Department for furnishing and installing electric clock in the Marysville Post Office.

SITE SELECTED

WINSLOW, Ariz.—Treasury Department has selected property in Winslow, Arizona, as the site for the United States Post Office to be erected in that city. The sum of $49,-500 has been appropriated for the project.

Ornamental Iron Contract Awarded.

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor — Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
Ornamental Iron — A. J. Bayer Co., 5901 Santa Fe Ave., Los Angeles.
Other awards previously reported.

SITE SELECTED

COMPEON, Los Angeles Co., Cal.—Treasury Department has selected property on Willowbrook Ave., bet. Compton Blvd. and Palm St., Compton, as the site for the United States Post Office building to be erected in that city. The sum of $77,000 has been appropriated for the project.

BIDS REJECTED

HAMILTON FIELD, Marin Co., Cal.—War Department rejected all bids for the construction of the boat house at Hamilton Field. On bid opening lowest bid was submitted by De Luca & Son, 1745 Filbert St., San Francisco at $19,800.

BIDS WANTED
SITE SELECTED

TURLOCK, Stanislaus Co., Cal.—Treasury Department has selected the property on the northeast corner of West Main Stret and Lander Avenue, Turlock, as the site for the new U. S. Post Office Building. The sum of $68,-000 has been appropriated for the project.

8— CLUB BUILDINGS

Lumber Contract Awarded.

CLUB HOUSE Cost, $——
MENLO PARK, San Mateo Co., Cal.
One-story frame and stucco club house (tile roof).
Owner—Menlo Circus Club.
Architect — G. Albert Lansburgh, 140 Montgomery St., San Francisco.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Lumber—Palo Alto Lumber Co., Palo Alto.

Plans Being Completed.

CLUBHOUSE Cost, $——
SACRAMENTO, Sacramento Co., Cal.
SW Twenty-seventh and N Sts.
One-story frame and brick clubhouse (banquet room, kitchen facilities, parlor and social room, lodge room, dressing rooms, showers and lockers, etc.)
Owner—Young Ladies Institute.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bids will be asked in about two weeks.

Preliminary Plans Prepared.

CLUBHOUSE Cost, $4447
MODESTO, Stanislaus Co., Cal. Legion Park.
One-story frame clubhouse (84x40 ft.) rustic exterior.
Owner — American Legion, Modesto Post No. 74 (Frank Rossi, Chairman), Modesto.
Architect—Not Selected.
Preliminary plans wre prepared by the Building Committee and referred to Ways and Means Committee for later report.

Planned.

LODGE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Pacific Ave. and Carthcart St.
Construct new lodge building.
Owner — Masonic Lodge (George A. Morgan, Santa Cruz, in charge).
Architect—Not Selected.

9— HOSPITALS

PROSPECTIVE BIDDERS

SAN FRANCISCO, Calif.—Following have procured plans for the purpose of submitting bids to the Treasury Department, on April 17, for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake Street,, San Francisco. Estimated cost, $12,000.

Merhanical Engineering Service, 1315 H St. N. W., Washington, D. C.

Herbert M. Baruch Corp., 625 S. Olive St., Los Angeles.

T. I. Strand, 670 Victoria St., San Francisco.

W. F. Jackson Co., Inc., Washington, D. C.

Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.

H. S. Tittle Co., 85 Columbus Square, San Francisco.

Webster Jeffers, 425 Bosworth St., San Francisco.

Plans and specifications may be obtained from above office and one set is on file in the office of the Construction Engineer, Room 113, Marine Hospital and may be inspected by those interested but not removed from the office.

Plans To Be Prepared.

HOME Cost, $100,000
EL CERRITO, Contra Costa Co., Cal.
Outside Berkeley City Limits.
Construction of new home for orphan Chinese boys (height and type of construction not determined).
Owner—Chung Mei Home, 3000 9th Berkeley (Dr. Chas. Shephert Supt.)
Architect—To Be Selected.
A drive is under way to raise funds to finance construction. A. C. Harland, % MacMarr Co., is head of the building committee.

LOW BIDDER

FORT STANTON, New Mexico—Kimball Bros., Council Bluffs, Iowa, at $5830 submitted low bid to Treasury Department, Washington, D. C., for furnishing and installing elevators in the U. S. Marine Hospital, Fort Stanton, New Mexico.

Complete bids will be published shortly.

BOND ELECTION

TAFT, Kern Co., Cal.—An election is to be held on April 28, at which time bonds in the amount of $75,000 will be voted on to finance construction of a branch county hospital in Taft.

10— HOTELS

FIRE LOSS

SAN FRANCISCO—Fire destroyed the Italian Room in the St. Francis Hotel, Powell and Post Sts., March 25. Damage estimated at $50,000. Further details of repairs will be announced shortly.

11—ICE AND COLD STORAGE PLANTS

March 24, 1934

Contract Awarded.

ICE PLANT Cost, $——
EXETER, Tulae Co., Cal.
One-story cold storage and pre-cooling plant addition (install new equipment, etc.)
Owner—Exeter Ice & Fuel Co.
Plans by W. W. Williamson, 320 Market St., San Francisco.
Contractor—W. W. Williamson, 320 Market St., San Francisco.

12— POWER PLANTS

BOND ELECTION

LODI, Cal.—Lodi City Council has tentatively approved a proposal to submit a bond issue of $440,000 to the voters at a special election April 3. The bond money to be supplemented by an expected Federal grant of $140,000 would be used for construction of a hydro-electric power plant on the Mokelumne River. The Council action is based on a report submitted by a Board of Consulting Engineers composed of Nelson A. Eckert, F. C. Herrmann and Walter L. Huber.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Bids Opened.

ADDITION Cost, $70,000
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete annex addition to City Hall.
Owner — City of Sacramento (H. G. Denton, Rm 203, City Hall, Clerk)
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder—Campbell Constr. Co., 800 R St., Sacramento, at $67,776.
Complete bids follow:
Campbell Constr. Co., 800 R. St., Sacramento, $67,776.
H. W. Robertson, 208 Eighth St., No. Sacramento, $67,826.
Azevedo & Sarmento, 920 O St., Sacramento, $68,000.
V. C. Keating, 1121 24th St., Sacramento, $68,250.
Fred Betz and J. M. Yoho, 1017 43rd St., Sacramento, $73,200.
Lindgren & Swinerton, Inc., 225 Bush St., San Francisco, $75,634.
H. L. Petersen, 731 Treat Ave., San Francisco, $76,000.

Construction To Start Today

MEMORIAL Cont. Price, $52,432
WATSONVILLE, Santa Cruz Co., Cal.
Two - story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; club rooms, etc.; tile and composition roofing, hot air heating system, hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Engineer — Norman Green, 55 New Montgomery St., San Francisco.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.

Contract Awarded

LIBRARY Cont. Price, $19,400
MODESTO, Stanislaus Co., Cal. Modesto Junior College.
One-story concrete and brick library.
Owner—Modesto City School Dist. (E. D. Abbott, Secretary).
Architect—John J. Donovan, 950 Parker St., Berkeley.
Contractor—H. Tennyson, 125 Poplar St., Modesto.
Following bids received:
(1) work complete;
(2) deduct for omitting cement slab in basement;
(3) deduct for omitting trusses and cross bracings on main floor;
(4) deduct for omitting areas on three
(5) deduct for omitting bilge pump;
(6) deduct for omitting underground electric service.

H. Tennyson, Modesto	(1)	$22,790
	(2)	1,290
	(3)	1,160
	(4)	715
	(5)	400
	(6)	700
Harry Brown, Modesto	(1)	$23,298
	(2)	1,527
	(3)	1,230
	(4)	720
	(5)	400
	(6)	798
George Maurer, Oakland	(1)	$23,454
	(2)	1,300
	(3)	1,800
	(4)	700
	(5)	400
	(6)	500
J. J. Cavanagh, Stockton	(1)	$24,000
	(2)	1,545
	(3)	1,536
	(4)	825
	(5)	480
	(6)	185
L. Ubels, Ripon	(1)	$25,775
	(2)	1,895
	(3)	1,775
	(4)	830
	(5)	410
	(6)	560

Contract awarded on Item 1, accepting Items 2, 5 and 6.

Preparing Working Drawings.

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Sts.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San carlos St., San Jose.
Plans will be completed in about thirty days.

Prospective Bidders.

LIBRARY Cost, $450,000
SEATTLE, Washington.
Three-story Class A concrete and structural steel library, brick facing, cast and natural stone, slate composition roofing, acoustical treatment, steam heating, concrete slab, blackboards, cork tile, fire doors, tile, linoleum, hollow tile, iron stairs, ornamental iron temperature regulators, fan ventilators, ornamental plaster, intercommunicating telephones, steel sash, vacuum cleaners, etc.
Owner—University of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Structural Engineer—E. C. Anderson.
Mechanical Engineer—Lincoln Bouillon, 1411 4th Ave. Bldg., Seattle.
Following have procured plans. Bids open April 17.
General Contract: Sound Constr. & Engineering Co., Teufel & Carlson, Henrikson-Alstrom Constr. Co., Peder Gjard, A. W. Quist Co., A. F. Mowat, Western Constr. Co., Sheble Constr. Co., all of Seattle, and Ross B. Hammond of Portland.
Heating, Plumbing and Ventilating: West Coast Heating Co., W. E. Beggs, Inc., University Plumbing & Heating Co., Ashwell & Twist, Hellenthal Plumbing & Heating Co., Wenzler & Ward, Hautman Plumbing & Heating Co., all of Seattle.
Electrical Work: J. J. Agutter, Nepage McKinney Co., Arrow Electric Co., O. A. Carlson Electric Co., Stewart Electric Co., and City Electric & Fixture Co., all of Seattle. In addition plans were taken out by the Wire Electric Co. (care architects).

No more applications for plans being accepted.
Bids are being taken for a general contract (including painting), heating, ventilating and sanitary system, electric wiring, elevators and bookstacks.

Bond Election Date Extended.

LIBRARY Cost, $250,000
BAKERSFIELD, Kern Co., Cal. Seventeenth and K Streets.
Two-story and basement reinforced concrete library bldg, (main floor will have reading rooms, lobby, order departments, stack rooms, etc., and second floor will have exhibition room, display room, staff room, storage stack rooms).
Owner—County of Kern.
Architect—Charles H. Biggar, Haberfelde Bldg., Bakersfield.
An election is being held on April 28 (date postponed from April 24) at which time bonds will be voted to finnace construction.

14— RESIDENCES

Contract Awarded.

ADDITION, ETC. Cost, $4000
SAN JOSE, Santa Clara Co., Calif. Palm Haven.
Alterations and additions to residence (one-story frame and stucco addition, 2 baths, tile roof, gas heating system, etc.)
Owner—Mrs. Harold Stern, Palm Haven, San Jose.
Architect—William Higgins, 19 North Second St., San Jose.
Contractor—James E. Perkins, 1664 E-Santa Clara St., San Jose.

March 24, 1934

Contract Awarded.

RESIDENCE Cost, $6300
PALO ALTO, Santa Clara Co., Cal. No. 380 Dana Avenue.
One-story and basement frame and stucco residence.
Owner—M. E. Wank, San Mateo Drive Palo Alto.
Architect—Not Given.
Contractor—Smith-Burke Co., 130 Byron St., Palo Alto.

March 24, 1934

Contract Awarded.

RESIDENCE Cost, $3200
MILL VALLEY, Marin Co., Cal. Tamalpais Park.
One-story and basement frame and stucco residence.
Owner—Steven Soldavini.
Architect—Not Given.
Contractor — Joseph F. Childs, 2530 Edward Ave., Richmond.

March 24, 1934

To Be Done By Day's Work.

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4849 Proctor Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner and Builder—F. T. Dooley, 3936 Vale Ave., Oakland.
Architect—Not Given.

March 24, 1934

To Be Done By Day's Work.

RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 765 Euclid Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder — Oscar Carlson, 659 Santa Barbara Road, Berkeley
Architect—Not Given.

March 24, 1934
March 24, 1934

Construction Postponed Indefinitely.

RESIDENCE Cost, $6500
BERKELEY, Alameda Co., Cal. Claremont Pines.
One - story and basement frame and stucco residence.
Owner—A. Charles (Charles Beauty

Salon), 3200½ Telegraph Avenue, Berkeley.
Architect—A. P. Hills, Jr., Venice.

March 24, 1934

Contract Awarded
RESIDENCE Cost, $——
LOS ALTOS, Santa Clara Co., Calif.
Two - story and basement frame residence (13 rooms, 4 baths) wood exterior, plaster interior, shake roof, gas oil burner heating system, hardwood floors, etc.
Owner—Mr. Pershing.
Architect—Leslie J. Nichols, Palo Alto.
Conratctor—Arthur Payne, 219 Jeter St., Redwood City.

Contract Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Claremont Pines.
Two-story frame and stucco residence (7 rooms), Colonial Type.
Owner—C. R. Hansen.
Architect——W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Plans Completed.
RESIDENCE Cost, $7500
BERKELEY, Alameda Co., Cal. Holabird and Garber Streets.
Two-story and basement brick veneer and rustic residence (9 rooms and 3 baths) shingle roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Ray Vandervoort.
Architect—E. L. Snyder, 3101 Shattuck Ave., Berkeley.
Bids will be asked in about one week.

To Be Done By Day's Labor.
RESIDENCE Cost, $——
SUNNYVALE, Santa Clara Co., Cal.
One-story frame and brick residence (shake roof, knotty pine, plaster interior, etc.)
Owner —Withheld.
Architect — H. W. Higbie, 518 S-2nd St., San Jose.

Contract Awarded
RESIDENCE Cont. Price, $13,326
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and brick veneer residence (8 rooms, 3 baths) shingle roof, gas heating system, hardwood floors, etc.
Owner—C. Cole.
Architect—Fred. H. Reimers, 233 Post St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Plans Being Figured—Bids Close Apr. 2nd.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two one-story frame and stucco residences.
Owner—F. Hilthon.
Architect—Fred. H. Reimers, 233 Post St., San Francisco.

Sub-Bids Wanted.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Grizzly Peak Blvd.
Two-story frame and stucco residence (shingle roof, ornamental iron, stucco siding, tiled baths, hot water heating system, gas furnace, etc.)
Owner—Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. Netherby, 3853 Lyman Road, Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 1465 E. St. John St.
One-story and basement frame and stucco residence (5 rooms).
Owner—Walter Thompson, 1475 E. St. John St., San Jose.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 20th St. near Washington St.
One-story frame residence (3 rooms).
Owner—Mrs. J. Larsen, 330 N-19th St., San Jose.
Architect—Not Given.
Contractor—Joseph Santi, 545 Madera Ave., San Jose.

Sub-Contracts Awarded.
RESIDENCE Cost, $13,500
LOS ALTOS, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (7 rooms and 3 baths), shake roof, oil burning heating system, oak floors, tiled baths, etc.
Owner—Milton Haas, Financial Center Bldg., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Axel Cederborg, 1455 Excelsior Blvd., Oakland.
Plastering—A. Albertson, Palo Alto.
Heating & Sheet Metal—Frank Davison, 65 Chesley St., San Francisco.
As previously reported, lumber awarded to Merner Lumber Co., Palo Alto; plumbing to J. J. McLeod, 1246 Golden Gate Ave., San Francisco.

Plumbing Contract Awarded.
REPAIR HOTEL Cost, $7000
SAN FRANCISCO. No. 45 Upper Terrace.
Repair fire damage to residence.
Owner — E. K. Ino, 45 Presidio Terrace, San Francisco.
Architect—Not Given.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St., S. F.
Plumbing—E. Sugarman, 3624 Geary St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $4500
SAN JOSE, Santa Clara Co., Cal. No. 1550 Emory Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—R. L. Vincent.
Architect—Not Given.
Contractor—Harry A. Knight, Mountain View.
Masonry—M. A. Pyle, 1144 N. First St., San Jose.
Plumbing—William Serpa, 497 N. 7th St., San Jose.
Mill Work—Pacific Mfg. Co., Santa Clara.
Roofing—C. L. Frost, Palo Alto.
Painting—D. Noyes, Sunnyvale.
Plastering—L. E. Rudy, 1409 S-First St., San Jose.
Tile—Tanner Tile Co., Palo Alto.
Framing Materials—McElroy Cheim, 1450 The Alameda, San Jose.
Brick Work—Otto Olesen, 155 E-Empire St., San Jose.

Construction Started
RESIDENCE Cost, $11,500
SAN MATEO, San Mateo Co., Cal. W. Poplar Street.
Two - story and basement frame and stucco residence (10 rooms and 4 baths) shake roof, gas heating system, oak plank floors, tiled baths, etc.
Owner—Gerald White, 236 Clark Dr., San Mateo.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Lengfeld and Olund, 220 Third Ave., San Mateo.

Plans Being Prepared
ALTERATIONS Cost, $2000
HILLSBOROUGH, San Mateo Co., Cal.
Alterations and additions to a frame residence (add panelled dining room, remodel kitchen and servants' quarters).
Owner—Theodore Kruttschnitt, Hillsborough.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.

15— SCHOOLS

Contract Awarded
SCHOOL REPAIRS Cost, $35,043
SAN FRANCISCO. Broadway between Powell and Mason Streets.
Repairs and reconstruction of school building (Jean Parker School).
Owner—City and County of San Francisco.
Architect and Engineer — W. P. Day, Financial Center Building.
Contractor—H. L. Petersen, 731 Treat Avenue.
General contract includes: Removal of partitions, brick, terra cotta, furring, lath and plaster, etc.; excavation for wall footings, piers, etc.; concrete, structural steel, structural terra cotta tile and brick masonry, architectural terra cotta, refinish and reset granite steps, miscellaneous metal work, metal furring and lathing, exterior and interior plastering, sheet metal, carpentry, millwork, blackboards, glass and glazing, composition roofing, calking, adjustments to heating system, remove and reset water and gas lines, relocating electric switches, painting, steam cleaning exterior.
Following bids received:

H. L. Petersen	$35,043
J. Harold Johnson	35,197
C. L. Wold	35,557
Anderson & Ringrose	36,975
James L. McLaughlin	37,354
O. Monson	37,700
Alfred H. Vogt Co.	41,673
MacDonald & Kahn	42,000

Bids held under advisement.

Commissioned To Prepare Plans
REPAIR SCHOOL Cost, $60,000
SAN FRANCISCO. 12th Avenue and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.

Preparing Plans.
REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.

PREPARING PLANS
LONG BEACH, Cal.—Architect Geo. W. Kahrs, 1224 Linden Ave., Long Beach, is preparing working drawings for rebuilding the Temple School, located at the corner of Temple Ave. and 16th St., Long Beach, for the Long Beach board of education. The building will contain 15 classrooms, library, kindergarten, offices, toilets and an auditorium to seat 394 students. Construction will be of frame and stucco, tile and composition roofing, maple floors, steam heating, tile work, metal lath, etc. C. W. Walles, Jr., and J. D. Davies, 1005 Ocean Center Bldg., Long Beach, structural engineers.

Plans Being Figured—Bids Close Apr. 11, 2:30 P. M.
REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. between Powell and Stockton.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.

Work includes removal of parts of existing building and repair or reconstruct with gunite and steel bracing, repair exterior terra cotta, plastering, painting, sheet metal, plumbing, electric work,, replace brick chimney with welded steel stack, remove water tank, etc.

Plans and specifications available from S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, upon deposit of $20.00 Penalty of $25.00 per day for each day work is not completed after specified time.

Plans Being Figured—Bids Close Apr. 11, 2:30 P. M.

REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert Street bet. Jones and Taylor.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.

Work includes installation of reinforced conc. cross and division walls in the sub-basement, basement, first and second stories, bricking-in of four windows in exterior walls of basement story and first story, painting steel and patching plaster, roofing repairs, sheet metal, marble and terrazzo repairs, plumbing, heating and ventilating, electric, etc.

Plans and specifications available from S. J. Hester, Chief Deputy Di- City Hall, upon deposit of $20.00 Penalty of $25.00 per day for each day work is not completed after specified time.

Final Plans Approved

REPAIR SCHOOL Cost, $51,144
SAN FRANCISCO. Jackson St. bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
Bids will be asked shortly.

TO PREPARE PLANS

COMPTON, Los Angeles Co., Cal.—The State Board of Public Building Reconstruction has approved the architectural contract of Architects John C. Austin and Frederick M. Ashley for the new administration building to be built at Compton Junior College. The building will be a two-story reinforced concrete structure, including a large auditorium. Cost including equipment and furnishings, is $400,000.

Final Plans Approved.

REPAIR SCHOOL Cost, $20,300
SAN FRANCISCO. Filbert Street, bet. Jones and Taylor Streets.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Bids will be asked shortly.

Preparing Plans.

HIGH SCHOOL Cost, $240,000
SEBASTOPOL, Sonoma Co., Calif.
Two - story reinforced concrete high school building.
Owner—Analy Union High School Dist.
Architect—Louis Stone and J. R. Rowell, Associated, 98 Ramona St., Piedmont, and 354 Hobart Street, Oakland.

An application has been filed with the PWA for a loan and grant of $240-000. A bond election will probably be held to finance construction.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary architectural drawings and has authorized Architects David J. Witmer and Loyall F. Watson, 816 W. 5th St., to proceed with working drawings for reconstructing, rehabilitating and strengthening the administration and auditorium, shop, science, boys' physical education and girls' physical education buildings at the McKinley Junior High School, 885 E. 45th St. Cost, $222,832.

Plans Being Completed.

REPAIR SCHOOL Cost, $69,400
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer — L. H. Nishkian, 525 Market St., San Francisco.

Plans will be completed in about ten days and forwarded to Sacramento for approval.

Sub-Contracts Awarded.

SHOWER ROOM Cost, $20,000
CHICO, Butte Co., Cal.
One-story concrete girls' shower room.
Owner—Chico High School District.
Architect—Chester Cole, Chico.
Mgr. of Constr.—Frank Parker, Chico
Gravel and Sand Aggregates—Myer, Chico.
Reinforcing Steel—W. C. Hauck Co., 17th & Wisconsin Sts., San Francisco.
Nails—Diamond Match Co., Chico.
Lumber—Sterling Lumber Co., Chico.
Cement—Aisthorpe Lumber Co., Chico

BONDS DEFEATED

LOS ANGELES, Calif.—Los Angeles School District, at a special election held March 20, defeated the proposed $20,411,947 bond issue for rehabilitating and strengthening Los Angeles school buildings. Of the amount of the issue voted on, the share scheduled for projects of the elementary school district was $10,839,037; the high school district's portion, $9,416,-133, and the junior college district was apportioned $156,327. No new school buildings, except replacements, were on the list. The board already has obtained approximately $10,450,000 in loans and grants from the Public Works Administration and the Civil Works Administration, which will be used to finance a portion of the rehabilitation program.

Plans Completed.

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. Oakmore Avenue.
Two-story frame and stucco residence (6 rooms); tile roof, gas heating system, oak floors, etc.
Owner—Mrs. A. G. Starr, 2126 St. Jarlath St., Oakland.
Architect—F. H. Slocombe, 131 Monte Cresta St., Oakland.

Whether bids will be asked is not determined at this time.

Commissioned To Prepare Plans.

REPAIR SCHOOL.... Cost, $48,500
SAN FRANCISCO. Excelsior Ave. at London Street.
Repairs and reconstruction of Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

BIDS WANTED

VALLEJO, Solano Co., Cal.—Until April 3, 7 P. M., bids will be received by Elmer L. Cave, Secretary Vallejo Board of Education, for furnishing stationery and art supplies, physical education supplies, sanitary and Janitors' supplies, wood and coal for the school year, 1934-1935.

PRELIMINARY PLANS PREPARED

ST. JOHNS, Ariz.—Architects Lescher & Mahoney, 1100 Title and Trust Bldg., Phoenix, have prepared preliminary drawings and a PWA application, requesting a grant of $9,340 and a loan of $24,000, for the proposed grammar school building to be erected in St. Johns for School District No. 11 of Apache County. A $24,000 bond issue was recently affirmed by the district. The building will be a one-story structure, 55x175 feet in area, and will contain 8 classrooms, stone walls, asbestos shingle roof, maple floors, steam heat, etc.

Preparing Preliminary Plans.

SCHOOL Cost, $10,000
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (3 classrooms), tar and gravel roof hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

An election will be held shortly to vote bonds to finance construction.

BOND ELECTION

MANTECA, San Joaquin Co., Cal.—Calla School District will hold an election on April 20 to vote bonds in the amount of $6000 to finance construction of a one-story frame and brick veneer school building. Frank Mayo, 108 E. Minera St., Stockton, is the architect. There is $15,000 available in the treasury to assist financing. The building is estimated to cost $19,000.

Contract Awarded

REPAIR SCHOOL Cont. Price, $6830
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—O. Monson, 475 6th St., San Francisco.
Complete bids published March 22.

BONDS FAIL

DELANO, Kern Co., Cal. — Delano Union Grammar School District defeated a $60,000 bond issue March 20, proceeds from which were to have been used for financing the construc- lano Grammar School. Edwin J. Symmes, Haberfelde Bldg., Bakersfield is the architect.

TO BE DONE BY DAY'S WORK

BERKELEY, Cal.—Berkeley Board of Education has approved work to be done to the following schools by their maintenance department.

Cragmont School, $450.
Whittier Manuel Training Building $365.
Oxford School Annex, $250.
Le Conte furnace room, $425.
Emerson main building, $850.
Emerson furnace room, $250.
McKinley School, $600.

Plans Being Prepared.

SCHOOL, ETC. Cost, $150,000
COALINGA, Fresno Co., Cal.
Construct new Senior High School, swimming pool and lighted tennis courts.
Owner—Coalings School Distrlcst (F. J. McCollum, Secretary).
Architect—W. D. Coates, Rowell Bldg. Fresno.

$42,300 has been granted by PWA. Bonds in the amount of $150,000 were voted on December 21.

Final Plans Approved.

REPAIR SCHOOL Cost, $13,500
SAN FRANCISCO. Bayview School.
Repairs to school building.
Owner—City and County of San Fransicco.

Engineer—E. L. Cope, 111 Sutter St., San Francisco.
Bids will be asked shortly.

BIDS WANTED
SAN JOSE, Santa Clara Co., Calif.—Until April 10, 5 P. M., bids will be received by Walter L. Bachrodt, Secretary, Board of Education, for furnishing science supplies, print shop supplies, etc., for the School year, 1934-1935. Specifications on file in the office of the City Superintendent of Schools, San Jose.

BIDS WANTED
SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento Co., Calif.
Two-story brick high school building (12 classrooms and gymnasium) tile roof, steam heating system, wood floors, etc.
Owner—North Grant Un. High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary architectural drawings and has authorized Architects Farrell & Miller, 4814 Loma Vista Ave., Vernon, to proceed with working drawings for reconstruction of the arts and science, farm mechanics, administration, shop, home economics, physical education and library buildings and porches and arcades at the Gardena high school. Normandie Ave. and 165th St., Gardena. Cost, $191,968.

Plans Being Figured—Bids Close April 7, 7 P. M.
SCHOOL Cost, $11,000
FORT JONES, Siskiyou Co., Cal.
One-story wood frame grammar school building (3classrooms).
Owner—Fort Jones Union Elementary School District (W. D. Mathews, President).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Plans and specifications available from architects upon deposit of $10.

Additional Sub-Contracts Awarded.
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two-story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell Jr., and Arthur Brown Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Constr.—George Wagner, 181 South Park, San Francisco.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., S. F.
Rock—Rhodes & Robinson, Palo Alto.
As previously reported, plumbing and heating awarded to Jas. Pinkerton, 927 Howard St., San Francisco; lumber to Merner Lumber Co., Palo Alto.

BIDS WANTED
STOCKTON, San Joaquin Co., Cal.—Until April 16, 5 P. M., bids will be received by Ansel S. Williams, Secretary, Stockton Board of Education, for general school supplies for the Stockton schools. Specifications available from above office.

Plans Being Completed.
SCHOOL IMP. Cost, $120,000
SAN MATEO COUNTY, Cal.
Alterations and additions to school buildings in san Mateo and Burlingame.
Owner — San Mateo Junior College District.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Following schools will be improved:
San Mateo High School;
Burlingame High School;
San Mateo Applied Arts Building.
Plans will be completed in about thirty days and forwarded to Sacramento for approval.

16—BANKS, STORES AND OFFICES

Plans Being Prepared.
REMODEL BANK Cost, $10,000
WOODLAND, Yolo Co., Cal. Main and College Streets.
Remodel present bank building (work includes new front, adding mazzanine floor, new lighting fixtures, etc.)
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.

Steel Contract Awarded.
STORE Cost, $15,000
VALLEJO, Solano Co., Cal. Sonoma Street near Georgia Street.
Two-story brick, terra cotta and cement store with steel columns and beams (five stores) tar and gravel and part hand-made tile roof.
Owner—Thomas B. Jones, Vallejo.
Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.
Steel — Schrader Iron Works, 1247 Harrison St., San Francisco.
As previously reported, carpentry work awarded to Tillman Olson Co., 514 Hichborn St., Vallejo. Other awards will be made shortly.

To Be Done By Day's Work.
ALTERATIONS, ETC. Cost, $4000
BERKELEY, Alameda Co., Cal. Piedmont and Bancroft Aves.
Alterations and additions to International House (add new gift shop, etc.)
Owner—International House.
Architect—George Kelham, 315 Montgomery St., San Francisco.

Additional Sub-Contracts Awarded.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. First and Jessie Streets.
Alterations and additions to three-story concrete loft building (install new elevator, interior work, etc.)
Owner—Sesnon Realty Co., 58 Sutter St., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.
Miscellaneous Iron—Patterson & Koster Iron Works, 280 13th St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Elevator—Westinghouse Electric Elevator Co., 166 7th St., S. F.
As previously reported, sandblasting awarded to J. A. Mohr & Son, 832 Folsom St.; plumbing and heating to James H. Pinkerton Co., 927 Howard St.; electric to Kuchel & Sievers Elec. Works, Ltd., 468 5th St.; plastering to Wm. Makin, 2141 Livingston St., Oakland.

March 24, 1934
Being Done By Day's Work.
ALTERATIONS Cost, $1500
SAN FRANCISCO. Pacific Ave. and Powell Street.
Alterations to store building (new front, tile work, cement work, etc.)
Owner—A. Batmale.
Architect—Fabre & Hildebrand, 110 Sutter St., San Francisco.

March 24, 1934
Plans Being Figured.
MARKET Cost, $——
REDWOOD CITY, San Mateo Co., Cal. El Camino Real and California St.
One-story Class C reinforced concrete market (60x82½ feet); felt and gravel roof, concrete floors, steel sash, etc.
Owner—Withheld.
Architect—F. W. Dakin, 625 Market St., San Francisco.

March 24, 1934
CONTRACT AWARDED
SAN FRANCISCO—Mullen Mfg. Co., 64 Rausch St., at $2137.50 awarded contract by Department of Public Works for alterations in offices of the Board of Supervisors, City Hall. Complete bids published March 15.

March 24, 1934
Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 879 O'Farrell Street.
Owner—Music Box, Inc., Premises.
Architect—Not Given.
Contractor—V. L. Burt, 279 Sixth Ave. San Francisco.

March 24, 1934
Planned.
STORE Cost, $——
PACIFIC GROVE, Monterey Co., Cal. Lighthouse Avenue.
One-story frame store building (2 stores).
Ownehr — S. S. Parson, Forest Hill Hotel, Pacific Grove.
Architect—Not Given.

Contract Awarded.
BUILDING Cost, $7000
FRESNO, Fresno Co., Cal. No. 1230 Parallel Street.
One-story frame store building.
Owner—Federal Pipe & Supply Co., 1230 Parallel St., Fresno.
Architect—Not Given.
Contractor—W. T. Harris, 577 McKinley St., Fresno.

Contract Awarded.
REMODEL BLDGS. Cost, $7250
FRESNO, Fresno Co., Cal. Lots 29 and 32 Blk 71.
Remodel present building (new front, etc.)
Owner—George Naegele, et al, Mattel Bldg., Fresno.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattel Bldg., Fresno.

Planned.
OFFICES Cost, $15,000
LINDSAY, Tulare Co., Cal.
Construct new office building.
Owner—Central California Citrus Exchange (J. R. Fauver), 143 Sweet Briar St., Lindsay.
Architect—Not Given.

Plans Completed.
ALTER STORE Cost, $——
STOCKTON, San Joaquin Co., Cal. Hunter and Main Streets.
Alterations to store building (install two new elevators, new plate glass front, partition work, etc.)
Owner—John Breuner Furniture Co. (L. J. Bruener, Vice-President), 21st St. and Broadway, Oakland.
Plans by Engineering Dept. of Owner. Contractor's name will be announced within a few days.

ALTER MARKET Cost, $1500
SAN FRANCISCO. No. 1400 Ocean Avenue.
Alterations to market.
Owner—James Jullijian, % Contractor.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Misslon St., San Francisco.

Sub-Contracts Awarded
STORE Cost, $8,000
YUBA CITY, Sutter Co., Calif.
One-story brick store building (50x90) concrete foundations, composition gravel roof.
Owner & Builder—Harry Ham, Yuba City.
Architect—Not Given.
Contractor—J. W. Ashley, 734 Cooper St., Yuba City.
All sub-contractors of Yuba City.
Brick—Meischke Brothers.
Lumber—Frank Close.
Plumbing—Dan Brown.
Mill Work—Rockholt & Stone.
Painting—Robinson & Son.
Roofing—E. E. Meyers.
Glass—Robinson Paint Co.

Plans Being Prepared
STORE Cost, $40,000
VALLEJO, Solano Co., Cal. SW Georgia and Sacramento Streets.
Two - story and basement reinforced concrete and steel store building.
Owner—Jack Castagnoli, 1235 Georgia St., Vallejo.
Architect—Fred. H. Reimers, 233 Post St., San Francisco.
Bids will be asked shortly.

Planned.
ALTER STORE Cost, $15,000
FRESNO, Fresno Co., Cal. No. 1114-18 Broadway.
Alterations to store building, (new front, fixtures, etc.)
Owner — Safeway Stores (Frank Pringle, District Manager), 120 Fulton St., Fresno.
Plans by Engineering Dept. of Owner.

Planned.
ALTER BLDG. Cost, $10,000
VISALIA, Tulare Co., Cal. West Main Street.
Alterations to store building (50x116 feet).
Owner—Mrs. Helen Lovelace, 502 S. Church St., Visalia.
Lessee—Atlantic & Pacific Company.
Architect—Not Given.
Agent—H. W. Nelson.

Sub-Contracts Awarded.
STORE Cont. Price ,$6,200
ALBANY, Alameda Co., Calif.
One-story frame and stucco store.
Owner—M. W. Ratcliff.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Lumber—Loop Lumber Co., Broadway and Blanding, Alameda.
Concrete—Ensor H. Buel, 2927 Lorina St., Berkeley.
Bids are wanted on all other portions of the work.

Sub-Contracts Awarded.
STORE Cost,$3500
OAKLAND, Alameda Co., Calif. Mt. Blvd. at 3580 Redwood Road.
One-story frame and stucco store.
Owner—Hagstrom's Food Stores, Inc.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Concrete—Ensor H. Buel, 2927 Lorina St., Berkeley.
Lumber—Loop Lumber Co., Broadway and Blanding, Alameda.
Electric—Deidric Elect. Co., 6115 Outlook Ave., Oakland.
Plumbing—Walter Gray, 1707 Moreland, Alameda.

Contract Awarded.
OFFICE BLDG. Cost, $9000
SAN JOSE, Santa Clara Co., Cal. No. 363 S-Third Street.
Two-story frame and stucco office building and 2-room residence.
Owner—Dr. A. J. Baiocchi, Bank of America Bldg., San Jose.
Plans by Herman Krause, 237 W-San Carlos St., San Jose.
Contractor—Vincent Maggio, 452 N-15th St., San Jose.

Sub-Contracts Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Van Ness Avenue bet. Geary and Post Sts.
Alterations to two-story concrete building for auto sales building.
Owner—Texas Company.
Plans by Mr. Graff, % Lessee.
Lessee — Arthur Lindburg Co., 1355 Van Ness Ave., San Francisco.
Contractor—L. Saloman, 1734 Broderick St., San Francisco.
Lathing and Plastering — Mannix & Kelly, 1914 Webster St.
Electric—Sterling Electric Co., 218 Clara St.
Painting—Quandt & Sons, 374 Guerrero St.
Concrete — California Concrete Co., 1632 Steiner St.
Plumbing—E. Sugarman, 3624 Geary St.

Contract Awarded.
ALTER BANK Cost, $2000
SAN FRANCISCO. SW Sansome and Commercial Streets.
Alterations to bank building.
Owner—Jonas Shoenfeld.
Architect—Fred H. Meyer, 525 Market St., San Francisco.
Contractor—J. S. Malloch, 666 Mission St., San Francisco.

Contract Awarded.
PREPARING PLANS
LOS ANGELES, Cal.—Columbia Pictures Corp., 1438 N Gower St., announces that plans are under way for virtually rebuilding the companys studio on Gower St., Hollywood. The first unit, an electrical and paint shop building to cost $20,000, will be under construction this week with Myers Bros., 3407 San Fernando Road, in charge of the work. The second unit will be a 7-story, reinforced concrete building, drawings for which have been completed and work on which is expected to get under way within 60 days. The third unit will consist of an 11-story administration tower, two stages and a 3-story office building. Drawings for these buildings have not yet been started but are expected to be under way shortly. Cost, $350,000. Stephen Gooson, % studio, is in charge of plans for the improvements.

Contract Awarded.
ALTER STORE Cost, $5000
SAN FRANCISCO. No. 926-930 Market St.
Alterations to store building.
Owner—Selix Clothing Co., Mason and Eddy Sts., San Francisco.
Architect—Not Given.
Contractor—Unit Bilt Fixture Co., 963 Harrison St., San Francisco.

Sub-Contracts Awarded.
STORE Cost, $12,000
SAN FRANCISCO. NE Chestnut and Avila Streets.
One-story Class C reinforced concrete store building (65x47 feet); tar and gravel roof, concrete and wood floors, decorative tile work, etc.
Owner — Martin Stelling, 155 Montgomery St., San Francisco.
Architect—Francis Lloyd, 360 Pine St., San Francisco.
Contractor — Clinton-Stephenson Construction Co., 550 Montgomery St., San Francisco.
Plumbing — T. R. Smith, 1483 Palou St., San Francisco.
Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.
Electric—Reliable Electric Co., 2351 34th St.
Concrete—Golden Gate Concrete Co.

Contract Awarded
RESTAURANT Cost, $3500
SAN JOSE, Santa Clara Co., Cal. 7th and Taylor Streets.
One-story frame restaurant.
Owner — Vegetable, Fruit and Berry Growers' Association.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.
Contractor—J. Galotte, 233 West St. James St., San Jose.

Construction Started
ADDITION Cost, $5500
RICHMOND, Contra Costa Co., Calif. Chesley and S. P. R. R.
One-story brick addition to office bldg.
Owner—Rheem Mfg. Co., Premises.
Architect—Alben Froberg, 1955 Webster St., Oakland.
Contractor—H. J. Christensen, 1955 Webster St., Oakland.

17— THEATRES

PREPARING PLANS
SAN FRANCISCO.—Architect S. C. Lee, 2404 W 7th St., Los Angeles, is preparing working plans for a theater and store building to be built near San Francisco for a San Francisco company. It will be a stadium type structure, seating 900 people, and will contain two stores. Construction will be reinforced conc., wood roof trusses, composition roofing, pine and concrete floors, plate glass, tile toilets, ventilating system, marquise, tile and marble base, etc. Cost, $50,000.

18— WHARVES & DOCKS

CONTRACT AWARDED
SAN DIEGO, Cal.—M. H. Golden, 404 California Bank Bldg., San Diego, at $3,150 awarded contract by Bureau of Yards and Docks, Navy Department Washington, D. C., for constructing a timber float 32x50 feet and the delivery of float to the Navy Pier, Supply Depot, foot of Broadway, San Diego.

Sub-Contracts Awarded.
ADDITION Cont. Price, $136,366
ALAMEDA, Alameda Co., Cal. Foot of Paru Street.
Addition to terminal (timber dock and frame and corrugated iron warehouse (300x700 feet) spur tracks, concrete piling, etc.
Owner— Alaska Packers' Association, 111 California St., San Francisco.
Engineer—Philip Bush % California Packing Corp., 101 California St., San Francisco.
Contractor—A. W. Kitchen & Co., 110 Market St., San Francisco.
Plumbing and Drainage Pipe—Frank A. Gottstein, 226 8th St., Oakland.
Frank Gottstein has sublet 600 feet of 10-inch vitrified pipe to N. Clark & Sons, Pacific and Fourth Sts., Alameda.

To Ask Bids In About Ten Days.
WHARF, ETC. Cost, $150,000
PORTLAND, Ore. Northwest Front St. and Willamette River.
Wharf, 200x308 ft., wood piles, wood laminated deck, asphalt plank finish floor and 1-story frame warehouse, 170x308 ft., corrugated galvanized exterior siding, masonry walls, automatic sprinkler system.
Owner—Portland Terminal Investment Co. (Subsidiary of U. P. System) Portland.
Plans by Engr. Dept. of Owner (S. Murray, Chief Engineer), Pittock Block, Portland.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO—V. Filippis, 269 24th Ave., at $768 awarded contract by Architects Bertz, Winter & Maury, 681 Market St., for constructing concrete wall to enclose front garden of residence at 768 Camino Del Mar, Sea Cliff, for Henry E. Timby, Premises.

SPRINKLER BIDS BEING TAKEN

OAKLAND, Alameda Co., Cal.—Albers Bros. Milling Company, West End of Seventh St., Oakland, is taking bids for a sprinkler system for the dock and warehouse on the Oakland waterfront. Bids will be asked shortly for the construction of a 200,000 bushel capacity grain elevator at the same location. Plans are being prepared by the Engineering Department of the owner, in Oconomowoc, Wisconsin.

Contracts Awarded.

STORAGE BIN Cost, $10,030

OAKLAND, Alameda Co., Cal. Shellmound Park.

Construct steel storage bin (concrete foundations, etc.)

Owner—C. K. Williams & Co. of California, Emeryville.

Architect—Henry S. Howard, Bank of America Bldg., Oakland.

Contractor—Boiler, Tank & Pipe Co., 800 75th Ave., Oakland.

Foundations—H. J. Christensen, 1955 Webster St., Oakland, at $1289.

Pile Driving—Koetitz & Koetitz, 1424 Fountain St., Alameda, at $1073.

Completing Plans.

MAUSOLEUM Cost, $150,000

LAWNDALE, San Mateo Co., Cal. Home of Peace Cemetery.

Reinforced concrete mausoleum (columbarium, chapel and crematory) marble and bronze interior, etc.

Owner—Temple Emanuel.

Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Bids will be asked in one week.

FOR SALE

STOCKTON, San Joaquin Co., Cal.—Until April 16, 2 P. M., bids will be received by R. E. Pierce, District Engineer, Division of Highways, Stockton, for the sale of two buildings ,located on Lots 2, 4, 6 and 14, Block 142, east of Center Street, Stockton, where they can be inspected on any working day.

Each building has a group and a unit number.

Group No. 1, Unit No. 1, is a seven-room frame house with floor space of 1,920 sq. ft., combination of shingle and rustic siding, and a shingle roof.

Group No. 2, Unit No. 1, is a garage with a floor space of 216 sq. ft., rustic siding, with a shingle roof and wooden floor.

To Be Done By Day's Labor.

RESTROOM Cost, $7000

FRESNO, Fresno Co., Cal. Roeding Park.

Restroom.

Owner—City of Fresno.

Architect—Not Given.

Work will be done by day's labor under the CWA.

BIDS WANTED (govt.)

FORT PECK, Montana.—Until April 4, 12 M., bids will be received by the U. S. Engineer, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of an electrical distribution system at the site of the proposed Fort Peck construction camp, approximately 25 miles southeast of Glasgow, Montana. Plans may be obtained upon deposit of a certified check or money order for $50. Theodore Wyman, Jr., Captain, Corps of Engineers, Assistant to the Division Engineer.

PREPARING PLANS

CULVER CITY, L. A. Co., Calif. — Architectural department of Metro-Goldwyn-Mayer Studios, 10202 Washington Blvd., Culver City, is preparing plans for an executives' quarters building and a dressing room building to be erected at the studios. The executive quarters building will be a two-story structure and the dressing room building one-story, containing sixteen three-room suites. They will be of wood frame construction with stucco exteriors. Plans will be completed within two or three weeks at which time bids will probably be taken by the engineering department.

COMPLETE BIDS

FORT PECK, Montana—Fritz Ziebarth and H. H. Walker, Inc., 1323 Venice Blvd., Los Angeles, at $1,072,980 (copper without lock); $1,087,748.12 (copper with lock); $1,057,235.58 (aluminum wirt without lock), and $1,070,-499.60 (aluminum wire with lock) submitted low bids to the U. S. Engineer, 707 Postal Telegraph Bldg., Kansas City, Mo., March 17, for construction of an electrical transmission line from Great Falls to Fork Peck Dam, Montana. Following are the other bids received:

A. S. Schulman Elec. Co., Chicago, Ill., (1) copper, $1,182,153; (2) aluminum, $1,140,283.

Addison Miller, Inc., St. Paul, Minn., (1) $1,185,020; (2) $1,170,172.

G. L. Tarlton, St. Louis, Mo., (1) $1,-200,943; (2) $1,174,883.

Hoosier Engineering Co., Chicago, Ill. (1) $1,217,943; (2) $1,171,268.

L. E. Myers Co., Chicago, Ill., (1) $1,-258,505; (2) no bid.

P. O. B. Montgomery, Dallas, Texas, (1) $1,243,083; (2) $1,194,240.

Henry J. Kaiser Co., Morrison Knudsen Co., and W. A. Bechtel Co., Inc., San Francisco, (1) $1,367,512; (2) $1,329,591.

Ne Page-McKinney Co., Teufel & Carlson, Seattle, Wash., (1) $1,-408 121; (2) $1,355,682.

Foley Bros., Inc., and Lawler & McGuire, St. Paul, Minn., (1) $1,561,-190; (2) $1,365,943.

Officers Engineers Estimate (1) $1,-292,874; (2) $1,254,569.

Chief of Army Engineers, Washington, D. C., will delay award of the contract pending complete investigation of numerous protests.

Electric Wiring Contract Awarded.

GRAIN ELEVATOR Cost, $1,000,000

VANCOUVER, Washington.

Construct conc. grain elevator (work involves pile driving, etc.) capacity of 2,000,000 bushels.

Owner—Spokane, Portland & Seattle Railway Co., Commerce Building, Portland, A. J. Winchell, Assist- and Superintendent).

Plans by John S. Metcalf Co., Chicago

Contractor—Alloway & George, Spokane.

Electric Wiring—Brown-Johnston Co., Spokane, at $35,000.

BONDS DEFEATED

SAN ANSELMO, Marin Co., Cal.—City of San Anselmo defeated bond election March 26 in the amount of $25,000 which was to have financed construction of a recreation center. Improvements contemplated, include construction of four tennis courts, concrete swimming pool, 45x105 feet, machinery and pumps for operation, baseball grounds, dressing rooms and showers.

Contracts Awarded.

POOL, ETC. Cost, $10,000

BOYES SPRINGS, Sonoma Co., Cal.

Reinforced concrete swimming pool, (35x70 ft.) and frame addition to dining room.

Owner — Sonoma Mission Inn (Mrs. Emilie Long), Sonoma Mission Inn Boyes Springs.

Architect—Fred H. Reimers, 233 Post St., San Francisco.

Contractor—San Francisco Constr. Co. 3159 Fillmore St., San Francisco.

Mechanical Equipment — Scott Machinery Co., 960 Folsom St., San Francisco.

San Francisco Constr. Co., is receiving bids on grading.

BIDS WANTED

CHILKOOT BARRACKS, Alaska.—Until April 7, 10 A. M., bids will be received by Capt. Geo. W. Armitage, Ninth Corps Area, Presidio of San Francisco, for the removal of old boilers and the installation of new steam heating boilers in 15 sets of Officers' Quarters and double barracks building at Chilkoot Barracks, Alaska.

Plans and specifications obtainable from above office.

Plans Being Prepared.

RECREATION CENTER Cost, $20,000

MORGAN HILL, Santa Clara Co., Cal One-half mile south of town.

Recreation center (swimming pool, tennis court, gymnasium, wading pool, etc.); frame and stucco construction.

Owner—Group of residents (headed by H. A. Clark), Morgan Hill.

Plans by H. A. Clark, Morgan Hill.

Work will be done by day's labor under the supervision of Mr. Clark.

Planned.

BUILDINGS Cost, $40,000

PITTSBURG, Contra Costa Co., Cal.

Two steel and brick employees' buildings (will contain steel lockers, dressing rooms, toilets, showers, etc.)

Owner—Columbia Steel Co., Russ Bldg., San Francisco.

Plans by Engineering Dept. of Owner.

The work will probably be done by day's labor under the supervision of owner. Some materials will be purchased.

Plans Being Figured — Bids Close April 2.

RACE TRACK Cost, $250,000

SAN MATEO COUNTY, Cal. Bay Meadows (Curtis-Wright Airport), 120 acre tract.

Horse racing plant (structural steel, frame and concrete clubhouse and grandstand, clubhouse to house 1000 and grandstand to seat 6000) parking area, etc.

Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.

Architect—G. O. Wootten, 251 Kearny St., San Francisco.

Engineer—Stillman W. Curtis, 430 Natoma St., San Francisco.

Followng have procured plans:

San Francisco Constr. Co., 3159 Fillmore St., San Francisco.

J. D. Hannah, 251 Kearny St., San Francisco.

Barrett & Hilp, 918 Harrison St., San Francisco.

K. E. Parker Co., 135 South Park, San Francisco.

Young & Horstmeyer, 461 Market St., San Francisco.

Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

E. T. Leiter & Son, 811 37th St., Oakland.

Leadley & Wiseman, 207 Second Ave., San Mateo.

Bessett Building Co., 826 Walnut Ave., Burlingame.

H. H. Larsen, 64 South Park, San Francisco.

Jas. L. McLaughlin, 251 Kearny St. San Francisco.

Cahill Bros., 206 Sansome St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

H. L. Petersen, 731 Treat Ave., San Francisco.

Wells P. Goodenough, 310 University Ave., Palo Alto.

GRADING CONTRACT AWARDED

ARCADIA, Los Angeles Co., Cal.—Lindgren & Swinerton, Pacific Mutual Bldg., Los Angeles, builders of the horse racing plant to be erected in Arcadia for the Los Angeles Turf Club, report that they have awarded a con-

ract to Sharp & Fellows Contracting Co., Central Bldg., Los Angeles, for grading the race track. Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect. 19

Preparing Plans.
EXPOSITION BLDGS. Cost, $——
SAN FRANCISCO. Site to be Selected. Exposition buildings.
Owner—Group headed by John F. Fordes (Chairman of Committee).
Architect—George Kelham, 315 Montgomery St. and W. P. Day, Financial Center Bldg., S. F.
Further details will be announced at a later date.

CONTRACT AWARDED
MARE ISLAND, Cal. — The R. G. Meyler Corp., 1017 Continental Bldg., Los Angeles, at $31,700 awarded contract by U. S. Bureau of Yards and Docks for two 200-hp. boilers to furnish steam service for quay wall at Mare Island. Contract includes boilers, settings, fuel oil pump, feed water pump and appurtenances. Spec. No. 7588. The contract was previously awarded to the Alta Electric & Mechanical Co. at $25,950, who claimed an error in their bid.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED
BERKELEY, Cal.—Following bids received by Berkeley City Council for furnishing 160,000 gallons gasoline for city departments:

	Tank Car	Wagon
Richfield Oil Co.	$ .13	$ .135
Shell Oil Co.	.13	.135
Signal Oil Co.	.12	.125
General Petroleum Co.	.13	.135
Standard Oil Co.	.12	.125
Associated Oil Co.	.13	.135

Due to confusion over bidding stipulations new bids probably will be asked.

CONTRACT AWARDED
NOGALES, Ariz.—The Allison Steel Mfg. Co., Phoenix, at $61,180 awarded contract by the International Boundary Commission, El Paso, for reinforcing steel for the Nogeles Flood Control Project in Arizona. The discount was ½ of 1%, cash, 10 days.

CONTRACT AWARDED
SAN FRANCISCO.—Pioneer Rubber Mills, 353 Sacramento Street, awarded contract by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing 2,000 ft. of 2¾-in. cotton rubber lined fire hose under Bid No. 1156. Pioneer Rubber Mills submited a bid at $1.00 per ft. (15 days delivery) Mar. 6.

BIDS OPENED
BONNEVILLE, Oregon.—Following bids received by the U. S. District Engineer, Portland, under Proposal 34-543, for furnishing 300,000 barrels of Portland cement. Bid per barrel:

W. C. Delbrueck & Co., Inc., Terminal Sales Bldg., Portland, $1.63 net; $1.86 f.o.b. Bonneville (Norwegian cement).

Calaveras Cement Co., San Andreas, Calif., $1.65; $2.53 f.o.b. Bonneville.

Santa Cruz Portland Cement Co., Davenport, Calif., $1.72; $2.24 f.o.b. Portland.

Henry Cowell Lime & Cement Co., Cowell, Calif., $1.78.

Pacific Portland Cement Co., Redwood City, Calif., $1.78.

Monolith Portland Cement Co. Monolith, Calif., $1.29; $2.56 f.o.b. Bonneville.

Oregon Portland Cement Co., Lime, Ore., $2.04; $2.20 f.o.b. Oswego, Ore., and $2.56 f.o.b. Bonneville.

Beaver Portland Cement Co., Gold Hill, Ore., $2.04; $2.56 f.o.b. Bonneville.

BIDS OPENED
LOS ANGELES, Cal. — Following bids received by Post Office Department, Washington, D. C., for furniture and screen line equipment for the Los Angeles Post Office. Proposal No. 1136:

Keyless Lock Co., $1369.98, f.o.b. cars, 5%; Central Post Office Equipment Co., $1635, f.o.b. cars, 5%; Federal Equipment Co., $1867 and $2249, 5%; Leonard Peterson & Co., $2780.23 and $3672.98; George Fensky Co., $1,390 and $1500, 5%; Corbin Cabinet Lock Co., $1498, f.o.b. cars, 2%; McLane Mfg. Co., $1536, f.o.b. care, 5%.

BIDS OPENED
LOS ANGELES, Cal. — Following firms submitted identncal bids to D. P. Nicklin, Purchasing Agent, Los Angeles Water and Power Bureau, for lead covered cable: Anaconda Wire & Cable Co.; General Elec. Co.; General Cable Corp.; Habirshaw Cable & Wire Corp.; Columbia Steel Corp; Okonite Corp., and John A. Roeblings Sons Co. The bids were: (1) 6000 ft. 1,000,000 C. cable, $905 per M ft.; (2) 5000 ft. 500,000 C. M. cable, $432 per M ft.; (3) 10,000 ft. No. 4 AWG cable $104 per M ft.; (4) 12,000 ft. No. 6 AWG cable, $79 per M ft.; (5) 9850 ft. 500,000 C. M. cable, $1768 per M ft.; (6) 9850 ft. 500,000 C. M. cable, $1768 per M ft.; (7) 10,450 ft. 500,000 C. M. cable, $1768 per M ft.; (8) 10,450 ft. 500,000 C. M. cable, $1768 per M ft.; (9) 7000 ft. 2/0 AWG cable, $853 per M ft.

CONTRACT AWARDED
SACRAMENTO, Cal.—Del Paso Rock Products Co., H Street Road, Sacramento, at $3.50 per ton, awarded contract by the Sacramento city council for furnishing 1,000 tons of asphaltic concrete mixture for use of the Street Maintenance Division of the City of Sacramento.

Bids were opened Mar. 17. A. Teachert &Son, Sacramento, submitted the only other bid at $3.65 per ton.

BIDS OPENED
EL CENTRO, Imperial Co., Cal.—Following bids received by Post Office Department, Washington, D. C., for furnishing 32 Venetian blinds for the El Centro Post Office. Proposal No. 1161:

Bostwick-Goodell Co., Norwalk, O., item 1, $323.41, 1%.

Western Venetian Blind Co., Los Angeles, item 1, $325.86, 1%.

Venetian Blind Corp., Los Angeles, item 1, $327.06, 1%.

Edgar Bros. Co., El Centro, item 1, $333.03.

Swedish Venetian Blind Co., New York City, item 1, $333.61, 1%.

Schatz Venetian Blind Co., Los Angeles, item 1, $334, 1%.

Rolscreen Co., Pella, Iowa, item 1, $340.52, 1%.

Athey Co., Chicago, item 2, alt., $348 1%.

Hough Shade Corp., Janesville, Wis., item 1, $354.42; 2, $235.42, 1%.

Warren Shade Co., Minneapolis, item 1, $356.83; 2, alt., $222, 1%.

Yardley Screen & Weather Strip Co., Columbus, Ohio, item 1, $358.61, 2%.

Kane Mfg. Co., Kane, Pa., item 1, $359.25, 1%.

Raymond Porch Shade Co., Janesville, Wis., item 1, $389.86; 2, $246.72, 1%.

Aeroshade Co., Waukesha, Wis., item 2, 0398 and alt. $267, 1%.

Sherwood Curtain Co., N. Y. City, item 2, alt., $197, 1%.

Chairinton Corp., N. Y. City, item 2, $440.

McRee Mfg. Corp., St. Louis, item 1, $434.99, 1%.

Patterson Shade Co., Indianapolis, Ind., item 1, $436.05, 1%.

J. G. Wilson Corp., N. Y. City, item 1, $497, 1%.

Walcott-Taylor Co., Washington, item 2, $420.

BIDS OPENED
LOS ANGELES, Calif. — Following bids were received by D. P. Nicklin, Purchasing Agent, Los Angeles Bureau of Water and Power, March 26, for hauling services for steel towers:

White Truck & Transfer Co., (1) for hauling towers from Daggett siding to transmission line road and distributing along transmission line right of way $1.83 per ton; (2) for hauling towers from Barstow siding to transmission line road and distributing along transmission line right of way, $2.70 per ton; (3) for hauling towers from Victorville siding to transmission line road and distributing alog transmission line right of way, $1.83 per ton.

Combined award discount, 10%. Cash discount net.

West Coast Forwarding Co. (1) $1.35 (2) $1.35; (3) $1.35. Combined award discount, none. Cash discount, 1% 20 days.

Lang Transportation Co., (1) $1.46; (2) $1.97; (3) $1.71. Combined award discount, 13%. Cash discount, 2% 30 days.

B. & L. Truck & Transfer Co., (1) $1.75; (2) $2.00; (3) $1.55. Combined award discount, 1%. Cash discount, 2% 30 days.

Mojave (1) $1.09; (2) $1.99; (3) $1.44. Combined award discount, 8%. Cash discount, none.

CONTRACTS AWARDED
BOULDER CANYON, Nev.—International Nickel Co., Huntington, W. Va., at $18,000 awarded contract for furnishing copper-nickel alloy metal strips under Bid No. 23,097-A, Sched. No. 1, for the Boulder Project. C. Doering and Son, Chicago, at $170.00 awarded Schedule 2, for furnishing copper-nickel alloy arc welding wire. Contracts awarded by the Bureau of Reclamation, Denver; bids opened Feb. 26.

CONTRACT AWARDED
MARYSVILLE, Yuba Co., Cal. — Sherwood Certon Co., New York City, at $310 awarded contaract by Post Office Department for furnishing 35 Venetian blinds for the Marysville Post Office. Frank Potter, Marysville, will install them.

CONTRACT AWARDED
FORT HUACHUCA, Arizona.—Paul Lime Plant awarded contracts as follows for asphalt, etc., under A. M. Circular 13, February 15: Item (2) 9,000 cu. yds. rock, $1.56; (3) 2,300 cu. yds. screenings, $1.98; (4) 4,600 cu. yds. do, $1.98; (5) 1,200 cu. yds. rock dust, $1.98. American Bitumuls Company awarded item (1) for furnishing 164,000 gals. emulsion asphalt at $1.008.

CONTRACTS AWARDED
PASADENA, Calif.—Following contracts awarded by the Pasadena city council March 27 for furnishing 15,503 ft. 3-conductor, sector stranded lead-covered cable for the municipal power system: General Cable Co., items (1) and (2); Habirshaw Wire & Cable Co. item (3); Okonite Cable Co., item (4).

AWARD RECOMMENDED
SAN CARLOS, Arizona—Consolidated Lumber Co., has been recommended for award by the engineer in charge of th Los Angeles office of the U. S. Indian Irrigation Service, for furnishing Douglas fir creosoted poles for the transmission line for the San Carlos Federal Irrigation District, Project No. 261, at Coolidge, Arizona.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until April 2, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, Room 504, 306 West Third St., Los Angeles, for furnishing 25,000 6-in. by 6-in. by 5-ft. No. 2 common rough Douglas fir ties, 375,000 B.F. under Bid No. 21761.

NAVY DEPARTMENT

BREMERTON, Wash.—Until April 7, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 8 NSA 278, for furnishing one chain hoist, 20 tons capacity, high speed, worm gear, single load chain.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Washington, D. C., for miscellaneous equipment, as follows:

EAST & WEST YARD, motor - driven bar and chuck work turret lathe and spares; Sch. 2-32-R; April 3.

EAST & WEST YARDS, steam radiators; Sch. 2010; April 6.

MARE ISLAND & PUGET SOUND, two 150-hp. Diesel engines and spares; Sch. 2009; April 10.

PUGET SOUND, 64 soot blower units and spares; Sch. 2004; April 10.

Specifications obtainable from the above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials as follows:

EAST AND WEST YARDS, burrs, rivets and washers; Sch. 1996; April 3.

MARE ISLAND, 220 metallic-ladder treads; Sch. 2000; April 6.

EAST AND WEST YARDS, bolts, barrels, brackets, curtain rods, catches, screw eyes, grommet handles, etc.; Sch. 2013; April 6.

EAST AND WEST YARDS, acetylene gas; Sch. 2025; April 10.

EAST AND WEST YARDS, carbon dioxide gas, C02; Sch. 2014; April 10.

EAST AND WEST YARDS, compressed oxygen gas; Sch. 2017; April 10

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until April 20 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, 207 South Broadway, for furnishing and delivering:

(1) one complete carrier current pilot protective relaying equipment for the double circuit, 132,000 - volt, 50-cycle 3-phase, grounded neutral transmission line connecting receiving Station A and receiving Station B, complete with all coupling capacitators and potential devices, f.o.b. 1630 N. Main Street.

(2) same at Item I except equipment to be used in connection with coupling Stations B and C.

Specification No. 1383.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, Indian Service, Room 305 Federal Bldg., Albuquerque, N. M., for use at Gallup, N. M., as follows:

April 4—2500 bbls. Portland cement.

April 8—Various items of electrical hardware and wire (switch boxes, panels, etc.)

April 2—5 concrete mixers.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

April 3, 2 P. M., Bid 880:

CONCRETE BUCKET, 10 cubic feet (water measure), approximately 250 lbs. Delivery f.o.b. bidder's shipping point, and/or f.o.b. Kentucky House, Calif., S.P.R.R.

April 4, 2 P. M., Bid 879:

TELEPHONE WIRE, galvanized, No. 9 BWG; 30 miles; f.o.b. Flagstaff, Arizona.

TELEPHONE WIRE, galvanized iron, No. 12 BWG; 10 miles; f.o.b. Flagstaff.

Specifications obtainable from above office.

ALCATRAZ ISLAND

ALCATRAZ ISLAND, Cal. — Until April 9, bids will be received by Department of Justice, Bureau of Prisons, Washington, D. C., for one bake oven of 300 lb. capacity, for the U. S. Penitentiary, Alcatraz Island.

BUTTE COUNTY

GRIDLEY, Butte Co., Cal.—Until April 12, 5 P. M., bids will be received by the Board of Trustees of the Gridley Union High School District, at the office of the Secretary of the Board, Mrs. C. W. Chase, for furnishing:

(1) School bus chassis having a gross rating sufficient for a school bus with a capacity of 41 to 48 high school students.

(2) School bus body having a capacity of 41 to 48 high school students.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until April 9, 10:30 A. M., bids will be received by the General Purchasing Officer, A. L. Flint, The Panama Canal, Washington, D. C., under Schedule No. 2950, for furnishing miscellaneous supplies and materials including structural steel (non-copper), automobile license tags, steel rivets, conduit couplings, brass nuts, track-bolt washers, bare copper wire, electric buzzers, fusible plugs, water coolers, butt hinges, water gauges, jute wrapping twine, Venetian blinds, water-jet educators (ejectors), metal windows and operating devices, asbestos felt (for roofing), asphalt primer (for roofing) asphalt (for roofing), rubber hose, canvas, and unsensitized blueprint paper.

sistant Purchasing Agent, The Pana-

Plans and specifications obtainable from above office and from the Asma Canal, Fort Mason, San Francisco, and on file at the office of the DAILY PACIFIC BUILDER.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until April 5, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, for drydocking, painting and repairing the U. S. Engineer Department Booster Barge "U."

Specifications obtainable from above office.

MONTEREY, Cal. — Until April 5, 1:15 P. M., bids will be received by the Quartermaster, Presidio of Monterey, under Schedule 688-34-37, for furnishing building materials including white oak flooring, Douglas Fir lumber, Redwood lumber, moulding, panel board, wall board, carpet tacks, stove bolts, wood screws, wire nails, box nails, casing nails, finish nails, screen wire, galvanized iron, sash cord, glass knobs, butt hinges, screen door catches, screen door springs, safety hasps, rim knob lock sets, barrel bolts, chain bolts, foot bolts, cupboard turns, transome chains, transome catches, mild steel, tool steel, white lead pigment, red lead pigment, linseed oil, ready mixed paint, paint thinner, turpentine, lamp cord, lamp sockets, friction tape, copper wire, galvanized iron pipe, brass flanges, ball cocks, float balls, angle stops, straight stops, brass tubing, hose faucets, galvanized iron c-bows, street elbows, "P" traps, pipe straps, lead ferrules, trip levers, closet screws, toilet seats, ganvanized iron bushings, galvanized iron nipples, N. P. slipnuts, "S' traps, down spout pipe, soil pipe, Portland cement, concrete sand, crushed rock or washed gravel, muslin cloth, roofing paper, plastic cement, deadening felt, glass and glaziers putty.

SACRAMENTO, Cal.—Until April 2, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, under Order 6268/2183, for furnishing miscellaneous supplies including Lunkenshelmer grease cups, engine lubricators, Dunham escutcheons, pipe dies, straight shank drills, chucking reamer, shell socket, ball-pein hammer, auger bits, cold eye chisels, hammer handles, files, band saw blades, carriage bolts, galvanized iron pipe, ship spikes, smoke stacks and connector bodies.

Specifications obtainable from above office. Capt. J. G. Drinkwater, Dist. Engineer. Delivery to U. S. Engineers, f.o.b. Rio Vista.

SACRAMENTO, Cal.—Until April 2, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208 P. O. Bldg., Sacramento, under Order No. 6267/2183, for furnishing miscellaneous supplies including leader hose, clamps, fire hose, chemical hose, rim shop latches, locks, and rim drop handles.

Specifications obtainable from above office. Capt. J. G. Drinkwater, Dist. Engineer. Delivery to U. S. Engineers, f.o.b. Rio Vista.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

ARIZONA STATE.—Rogers Bros. & Del E. Webb, 1633 West Jefferson St., Phoenix, at $26,152.16 awarded contract March 20 by Arizona State Highway Commission, Phoenix, for the construction of two reinforced concrete bridges and the grading, draining and road mix oil processing of about 0.5 mile of approach roadway on the Yuma-Gila Bend Highway, NRH 82-B about 16 miles east of Yuma. Bids opened March 6.

BIDS WANTED

LOS ANGELES, Cal.—Until April 11, 10 A. M., bids will be received by the Los Angeles Board of Public Works for constructing the Tunnel Station Bridge. The proposed structure will be built on the San Fernando Road at Tunnel Station and will be a reinforced concrete girder type bridge, 300 ft. in length with a 40-ft. roadway and one 5-ft. walk. The work will consist of building two wedge-shaped structures to widen the present structure and to re-align the roadway. The items are as follows:

(1) 843 cu. yds. Class F concrete;
(2) 100 cu. yds. Class G concrete;
(3) lump sum, reinforing steel;
(4) ornamental concrete railing, lump sum;
(5) grading, 51 cu. yds. cut, lump sum;
(6) 131 tons asph. concrete base;
(7) 159 tons asph. conc. wearing surf.
(8) 32 sq. ft. oiled roadway;
(9) 115 lin. ft. heavy unplas. curb;
(10) 116 sq. ft. conc. gutter, 8-inches thick.

BIDS WANTED

LOS ANGELES, Cal.—Until April 11, 10 A. M., bids will be received by the Los Angeles Board of Public Works for the construction of the Figueroa St. Tunnel No. 4. The proposed tunnel will be approximately 755 ft. in length, 46 ft. 6 in. wide, with a 40 ft. roadway, and a 5 ft. walk and 1½-in. wheel guard, and will be driven through the ridge of hills between Bishops Road and Solano St., the latter street being the present south portal of the three tunnels connecting Dayton Avenue with Solano St. and thence to North Broadway. The distance between the completed tunnel measured from the Solano Street entrance and the north entrance to the proposed tunnel will be approximately 800 feet. The sum of $550,000 has been allocated from State and Federal aid funds toward the cost of the project. The items of work are:

(1) 1,034 cu. yds. Class F conc., exclusive of concrete in tunnel sections, complete in place;
(2) 200 cu. yds. Class G conc., complete in place;
(3) 500 sacks grout behind tunnel lining, complete in place;
(4) Lump sum bid reinf. steel, exclusive of the reinf. steel in the tunnel sections, comp. in place;
(5) 715 lin. ft. tunnel section No. 1, complete in place. (Note: Section No. 1 is estimated to require approx. quantities as follows: 57 cu. yd. excav., per lin. ft.; 15½ cu. yds. Class F conc., per lin. ft.; 280 lbs. reinf. steel;
(6) Lump sum bid, tunnel section No. 2, complete in place, a total of 40 ft. (Note: Section No. 2 is estimated to require approximate quantities as follows: 3,550 cu. yds. excav., 1,016 cu. yds. Class F concrete, 44,500 lbs. of reinf. steel;
(7) Lump sum, electrical conduit system, complete in place;
(8) Lump sum lighting system, complete in place;
(9) 1,165 sq. yds. white glazed tiling, complete in place;
(10) Lump sum bid plaster finish, complete in place;
(11) 600 lin. ft. 2-in. grout pipes, complete in place;
(12) Lump sum bid, grading;
(13) 2,000 cu. yds. removal of slides;
(14) 46,384 sq. ft. conc. pave., 8-inches thick;
(15) 40,360 sq. ft. conc. base, 6-inches thick;
(16) 39,812 sq. ft. Warrenite-Bitulithic wearing surface;
(17) 1,957 sq. ft. white concrete traffic lines, 1¼-in. thick;
(18) 548 sq. ft. do, 2-in. thick;
(19) 10,884 sq. ft. 1-course sidewalk, 3-in. thick;
(20) 1,167 lin. ft. heavy unplastered curb;
(21) 1,536 lin. ft. special unplastered curb;
(22) 19 sq. ft. concrete gutter, 6-in. thick;
(23) 2,640 sq. ft. comb. gutter, 8-in. thick;
(24) 19 lin. ft. integral curb and gutter;
(25) 33 lin. ft. curb armor;
(26) Lump sum bid sewers;
(27) Lump sum bid, storm drain.

The plans were prepared by R. W. Stewart, Bridge Engineer.

CONTRACT AWARDED

JUNEAU, Alaska. — Alfred Dishaw, Juneau, at $50,514 awarded contract by the U. S. Bureau of Public Roads, Ike P. Taylor, Chief Engineer, 419 Federal & Territorial Bldg., Juneau, for constructing four reinforced concrete piers for the Douglas bridge, consisting of piers one and two, on the Juneau shore at the foot of Tenth Street, and piers three and four on the Douglas shore.

Complete bids follow:

Alfred Dishaw, Juneau	$ 50,514
A. W. Quist Co., Seattle	58,877
McRae Bros., Seattle	79,000
West Coast Const. Co., Seattle	79,573
Sheble Const. Co., Seattle	82,500
Puget Sound Bridge & Dredging Co., Seattle	84,900
Siems-Spokane Co., Spokane	145,000

The bids were opened March 14.

BIDS WANTED

NEWPORT, Ore.—Until May 17, 9 A. M. (tentative date) bids will be received by the Oregon State Highway Commission, R. H. Baldock, state highway engineer, in the Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a bridge to carry the Oregon Coast Highway across the Yaquina Bay at Newport.

The work consists of the construction of a bridge approximately 3,260 ft. long, with a 27 ft. roadway and two pedestrian walkways, consisting of a 600 ft. semi-through steel arch span and two 350-ft. deck steel arch spans with 284 lin. ft. of concrete viaduct on the northerly end and with five reinforced concrete arch spans totaling 1052 ft. in length and 600 lin. ft. of concrete viaduct at the southerly end across Yaquina Bay on the Oregon Coast Highway.

The work will be divided into three units as follows:

Unit A: Construction of four piers for three steel arch spans requiring approximately 15,700 cu. yds. excavation, 41,500 lin. ft. foundation piling, 21,000 lin. ft. treated fender piling, 9,600 cu. yds. concrete, and 420,000 lbs. metal reinforcement.

Unit B: Construction of three steel arch spans and pier shafts for same, requiring approximately 4,790 cu. yds. concrete, 250,000 lbs. metal reinforcement, 9,600 lbs. cast chromium steel, 3,600,000 lbs. structural carbon steel, 590,000 lbs. structural silicon steel.

Unit C: Construction of concrete arch and viaduct approaches to the steel spans and requiring approximately 10,800 cu. yds. excavation, 58,500 lin. ft. foundation piling, 2,000 lin. ft. concrete piling, 13,800 cu. yds. concrete, 1,580,000 lbs. metal reinforcement, 10,400 lbs. cast chromium steel and 4,100 lin. ft. concrete handrail.

Bids will be accepted on individual units or on certain combinations, as follows:

Units A and B, Units A and C, and/or Units A, B and C.

The above notice is tentative as to time and place for receiving bids. It is published at this time in order that the contractor may be advised that plans and specifications are now ready and may be obtained or examined as mentioned below.

The work will be financed in part by the PWA. No contracts will be awarded until bids have been examined by the State PWA Engineer and passed upon by him.

Proposal forms will be issued only to such bidders as have conformed with the prequalification requirements prescribed by Chapter 225, Laws of Oregon, 1931, at least five days before the bids are to be opened.

Proposal blanks and full information for bidders may be obtained at the office of the State Highway Commission, Room 322, State Office Bldg., Salem; plans and specifications are obtainable at this office upon deposit of $5.00 per set.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

A complete set of plans and specifications may be inspected at the office of the Associated General Contractors in Portland, Seattle, Spokane and San Francisco. 21

BIDS WANTED

OREGON STATE—Until April 5, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium, third floor, Public Service Bldg., Portland, for construction of bridges as follows:

LANE COUNTY:

Four bridges over Amazon Slough on the Eugene-Veneta Highway near Eugene. National Recovery Project No. NRS-234. Requires approximately 1380 lin. ft. treated trestle piling, 170 lin. ft. cedar trestle piling, 93 cu. yds. concrete, 22,500 lbs. metal reinforcement, 26.0 M.F.B.M. treated lumber, 4.5 M.F.B.M. untreated lumber, 316 lin. ft. composite handrail and 55 cu. yds. excavation.

TILLAMOOK COUNTY:

Austin Craak - Upper Yach Bridge Section of Little Nestucca Secondary Highway, State Project. Construction of 1.28 miles highway roadbed and 66 lin. ft. treated timber trestle. Requires approximately 17,300 cu. yds. excavation and 3300 cu. yds. topping.

Plans and specifications obtainable from office of the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.00 for each set. R. H. Baldock, State Highway Engineer. 21

LOS ANGELES, Cal.—Until April 11 10 A. M., bids will be received by the Los Angeles Board of Public Works, for constructing two bridges on Gaffey St., one a concrete girder bridge of 4, 60-ft. spans with a 60-ft. roadway, on Gaffey St. over Summerland, and the other a reinforced concrete arch bridge of 100-ft. span with a 45-ft. roadway on Elberton Ave., over Gaffey St., under Cash Contract. The work will involve:

(1) 5029 cu. yds. Class F concrete;
(2) 100 cu. yds. Class G concrete;
(3) 795,000 lbs. reinf. steel, lump sum
(4) 265 lin. ft. creosoted timber piles, lump sum;
(5) 5504 lin. ft. reinf. concrete piles, lump sum;
(6) 953 lin. ft. ornamental concrete railing and pylons;
(7) 56 lin. ft. ornamental iron railings, lump sum;
(8) Electric conduit system, lump sum;
(9) Lighting system, lump sum (13 standards and one bracket light)
(10) 236 cu. yds. and 1358 cu. yds. fill grading, lump sum;
(11) 820 tins asphaltic concrete base;
(12) 543 tons, asphaltic conc. wearing surface;
(13) 7887 sq. ft. sidewalk, 3-in. thick;
(14) 50 sq. ft. sidewalk, 4 -in. thick;
(15) 213 lin. ft. special curb;
(16) 523 lin. ft. integral curb and gutter, 6-in. thick;
(17) 609 lin. ft. integral curb and gutter, 8-in. thick;
(18) 23 sq. f.t conc. gutter, 8-in. thick
(19) Storm drains, lump sum;
(20) Traffic markers, lump sum.

BIDS WANTED

LANE and Douglas Counties, Ore.—Until June 7, 9 A. M. (tentative date) bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of the following projects:

Douglas County

The construction of a steel and reinforced concrete bridge, 2,213 feet in length, and consisting of 1,072 lin. ft. of concrete viaduct, two 154-ft. tied concrete arch spans, one 430-ft. steel swing span, two 154-ft. tied arch spans and86 lin. ft. of concrete viaduct over the Umpqua river at Reedsport on the Oregon Coast Highway, and requiring approximately: 3,800 cu. yds. foundation excavation, 23,000 lin. ft. foundation piling, 18,000 lin. ft. pier protection piling, 9,900 cu. yds. concrete, 1,-300,000 lbs. metal reinforcement, 1,-060,000 lbs. structural carbon steel, 420,000 lbs. structural silicon steel, 105-000 lbs. machinery, 30,000 lbs. cast chromium steel, 90 M-FBM Port Orford cedar, and 3,600 lin. ft. concrete handrail.

Lane County

The construction of a bridge approximately 1,649 ft. long, with a 27 ft. roadway and two pedestrian walkways consisting of 478 lin. ft. of concrete viaduct, one 154-ft. tied arch span, one 140-ft. double leaf bascule span, one 154-ft. tied arch span and 650 lin. ft. of concrete viaduct over Siuslaw river at Florence on the Oregon Coast Highway, and requiring approximately 4,100 cu. yds. foundation excavation, 34,000 lin. ft. foundaiton piling, 6,300 lin. ft. pier protection piling, 9,-800 cu. yds. concrete, 1,050,000 pounds metal reinforcement, 600,000 lbs. structural steel, 52 MFBM Port Orford cedar lumber, 85,000 lbs. machinery, 17,-000 lbs. cast chromium steel, and 3,000 lin. ft. concrete handrail.

The above notice is tentative as to time and place for receiving bids. It is published at this time in order that the contractor may be advised that plans and specifications are now ready and may be obtained or examined as mentioned below.

The work will be financed in part by the PWA. No contracts will be awarded until bids have been examined and passed upon by the State PWA Engineer.

Proposal forms will be issued only to such bidders as have conformed with the prequalification requirements prescribed by Chapter 225, Laws of Oregon, 1931, at least five days before the bids are to be opened.

Proposal blanks and full information for bidders may be obtained at the office of the State Highway Commission, Room 322, State Office Bldg., Salem; plans and specifications are obtainable from this office upon deposit of $5.00 per set.

A complete set of plans and specifications may be inspected at the office of the Associated General Contractors in Portland, Seattle, Spokane, and San Francisco. 21

BIDS WANTED

COOS BAY, Oregon.—Until April 26, 9 A. M. (tentative date) bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a bridge to carry the Oregon Coast Highway across Coos Bay near North Bend.

The work consists of the construction of a bridge approximately 5338 ft. long, with a 27-ft. roadway and two pedestrian walkways, consisting of a steel cantilever span 1708 ft. in length with seven reinforced concrete arch spans totaling 1475 ft. in length and 549 lin. ft. of concrete viaduct on the northerly end, and with six reinforced concrete arch spans totaling 1322 ft. in length and 283 lin. ft. of reinforced concrete viaduct on the south end.

The work will be divided into four units as follows:

Unit A: Four main piers for cantilever steel span requiring approximately 11,200 cu. yds. excavation, 81,-500 lin. ft. foundation piling, 27,000 lin. ft. treated fender piling, 18,155 cu. yds. concrete, 805,000 lbs. metal reinforcement and 20,000 lbs. structural steel.

Unit B: 1708 ft. cantilever steel span requiring approximately 4,445,000 lbs. structural carbon steel, 2,800,000 lbs. structural silicon steel, 1,160 cu. yds. concrete, 398,000 lbs. metal reinforcement and 8,000 lbs. cast chromium steel.

Unit C: North approach, consisting of 7 reinforced concrete arch spans and 549 lin. ft. concrete viaduct and requiring approximately 7,000 cu. yds. excavation, 57,800 lin. ft. foundation piling, 17,445 cu. yds. concrete, 1,768,-000 lbs. metal reinforcement, 9,900 lbs. cast chromium steel and 4,150 lin. ft. concrete handrail.

Unit D: South approach, consisting of six reinforced concrete arch spans and 283 lin. ft. concrete viaduct and requiring approximately 7,800 cu. yds. excavation, 50,700 lin. ft. foundation piling, 14,040 cu. yds. concrete, 1,439,-000 lbs. metal reinforcement, 8,100 lbs. cast chromium steel and 3,350 lin. ft. concrete handrail.

Bids will be accepted on individual units or certain combinations, as follows:

Units A and B, Units C and D, Units A, C and D, and Units A, B, C and D.

The above notice is tentative as to time and place for receiving bids. It is published at this time in order that the contractor may be advised that plans and specifications are now ready and may be obtained or examined as mentioned below.

The work will be financed in part by the PWA. No contracts will be awarded until bids have been examined and passed upon by the State PWA Engineer.

Proposal forms will be issued only to such bidders as have conformed with the prequalification requirements prescribed by Chapter 225, Laws of Oregon, 1931, at least five days before the bids are to be opened.

Proposal blanks and full information for bidders may be obtained at the office of the State Highway Commission, Room 322, State Office Bldg., Salem; plans and specifications are obtainable from this office upon deposit of $5.00 per set.

A complete set of plans and specifications may be inspected at the office of the Associated General Contractors in Portland, Seattle, Spokane, and San Francisco.

TENTATIVE PLANS APPROVED

PASADENA, Cal.—S. V. Cortelyou, District Engineer, State Highway Department, has received from the City Directors of Pasadena, March 20, approval to tentative plans for a new bridge to be built adjacent to the Colorado St. bridge. The proposed structure would be about 1500 ft. in length, 30 ft. in width, with 10-ft. sidewalk, of design similar to existing bridge. The cost is estimated at $223,600. The cost of reconditioning the existing structure is set at $50,000. The district engineer will ask that detailed plans be prepared by the state bridge engineer. About $140,000 is now credited to the City of Pasadena for this work and additional allocations will be set up in the next budget.

CONTRACT AWARDED

COOS COUNTY, Oregon.—C. J. Montag, Worcester Bldg., Portland, Oregon, at $38,990, awarded contract by the Oregon State Highway Commission, Portland, Oregon, for construction of bridge over South Fork Coquille River on Powers Secondary Highway in Powers, National Recovery Project No. 206-B, in Coos County.

Complete bids follow:

C. J. Montag, Portland, $38,990.
Tom Lillebo, $41,420.
Feigenson Constr. Co., $47,160.
Portland Bridge Co., Portland, Oregon, $53,900.

R. H. Baldock, State Highway Engineer. The bids were opened March 22.

BIDS OPENED

TILLAMOOK COUNTY, Oregon.W. W. FcFarland, Canby, Oregon, at $11,-220, submitted low bid to the Oregon State Highway Commission, Portland, Oregon, for construction of bridge over the Little Nestucca River on the Little Nestucca Secondary Highway near Dolph, National Recovery Project No. 214.

Complete bids follow:
W. W. McFarland, Canby, Oregon, $11,220.
Barham Bros., $11,350.
Sig Ash, $11,715.
McCall & Sewell, $12,716.
Averill & Philpot, Chinook, Wash., $12,982.
O. N. Pierce, Portland, $12,125.
Portland Bridge Co., $13,322.
Settergren Bros., $14,238.
A. T. Dolan, Tillamook, Oregon, $15,-235.

All bids held under advisement. R. H. Baldock, State Highway Engineer. The bids were opened March 22.

AWARD

LOS ANGELES COUNTY, Cal. — C. Bongiovanni Constr. Co., 2561 Canyon Drive, Hollywood, at $58,888 awarded contract by State Highway Commission, Sacramento, for the construction of eight structures on N St. Los Angeles, consisting of one reinforced concrete pedestrian subway; two reinforced concrete pipe line culverts; on reinforced concrete vehicular subway; on reinforced concrete pipe line subway, and one creosoted Douglas fir timber bridge of seven 19 ft. spans and creosoted Douglas fir pile bents.

BIDS WANTED

MONTEREY COUNTY, Cal.—Until April 18, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for constructing a timber bridge across Hot Springs Creek, 48 miles south of Monterey, consisting of one 76 ft. truss span; one 57 ft. truss span; and fifteen 19 ft. stringer spans on concrete pedestals. The work involves:
(1) 300 cu. yds. stripping;
(2) 500 cu. yds. struc. excav.;
(3) 150 cu. yds. Class A Port. cement concrete;
(4) 4600 lbs. bar reinf. steel;
(5) 198 MFBM redwood timber dense select all heart structural grade
(6) 84 MFBM redwood timber select all heart do;
(7) 52,500 lbs. structural metal;
(8) 1 lot miscellaneous items of wok.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer of Los Angeles and San Francisco and the District in which the work is located.

AWARD.

CLARK COUNTY, Nevada. — Silver State Const. Co., Fallon, at $6,812.00 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for construction of a reinforced concrete bridge in Clark County, near Mesquite, Route 6, Section H-1, a length of approximately 0.006 mile, involving:
(1) 5,200 cu. yds. rdwy. excavation;
(2) 200 cu. yds. struc. excavation;
(3) 150 cu. yds. Class A concrete;
(4) 15,000 lbs. reinforcing steel;

Complete total bids follow:
Silver State Const. Co., Fallon $6,812.00
Dodge Const. Co., Fallon 7,840.00
J. J. Burke Co., Salt Lake City 9,475.50
Engineer's estimate 8,590.00

Unit prices will be published shortly.

CONTRACTS AWARDED

SAN FRANCISCO—Columbia Steel Co., Russ Bldg., general contractor on steel superstructure on the San Francisco - Oakland Bay Bridge, have awarded sub - contracts to Bates and Rogers, Old Colony Bldg., Chicago, for concrete paving on the upper and lower decks of the bridge. Western Pipe & Steel Co., San Francisco, awarded sub-contract for fabricating 2500 tons steel reinforcing trusses.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SACRAMENTO, Cal.—Olympian Dredging Co., 249 First St., San Francisco, at $0.3697 per cubic yard, submitted only bid to U. S. Engineer Office, Sacramento, for raising and strengthening an existing levee on the east bank of the Sacramento river. Engineer's estimate, $0.2587.

Work involves moving approximately 655,000 cu. yds. of earth; Spec. No.

BIDS OPENED

SACRAMENTO, Cal.—Olympian Dredging Co., 249 First St., San Francisco, submitted only bid to U. S. Engineer Office, Sacramento, for furnishing and operating clamshell dredging plant in Suisun Bay and San Joaquin and Sacramento rivers; Spec. No. 6164; bid follows:
(1) 500 hours Trojan Class A, $24.50 per hour;
(2) 350 hours Thor Class C, $12.08 per hour.

BIDS OPENED

SAN DIEGO, CAL.—Sparkes & McClellan, Newport Beach, at $8,280 submitted low bid to Public Works Officer, 11th Naval Dist., San Diego, and recommended for award, for dredging at pier at the Naval Operating Base, San Diego.

Complete bids follow:
Sparkes & McClellan, $8,280;
Frank Doran, San Diego, $8,600;
Chas. & F. W. Steffgen, San Diego, $10,695;
H. H. Peterson, San Diego, unit price 84c per yd.

BIDS WANTED

WALKER and Puget Islands, Ore.—Until April 3, 3 P. M., bids will be received by the U. S. Engineer's Office, Portland, for repairing approximately 80 lin. ft. of pile dike and placing about 3200 cu. yds. of additional stone revetment in the Columbia river at Walker and Puget Islands, about 52 and 70 miles, respectively, below Portland.

Plans and specifications obtainable at the above office.

CONTRACT AWARDED

SAN DIEGO, Cal.—M. H. Golden, 404 California Bank Bldg., San Diego, at $19,235 awarded contract by the Navy Department, Washington, D. C., for constructing berthing platforms and dolphins at the Naval Operating Base (Air Station), San Diego. Spec. No. 7630.

23— IRRIGATION PROJ.

BIDS TO BE ASKED

IMPERIAL COUNTY, Cal.—Bureau of Reclamation has announced that the way for readvertising for bids for the construction of the first unit of the All - American Canal has been cleared by the release of $6,000,000, which has been held up by the Comptroller General pending the outcome of litigation in California.

Bids will probably be called shortly and opened at the office of the Bureau of Reclamation, Yuma.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

EUREKA, Humboldt Co., Cal.—Following bids received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, 546 West Wabash Ave., Eureka, for truck rental, March 26:

Two 3½ cu. yds. dump trucks for Garberville for 350 hours: Dellarosa Trucking Co., 1734 Castro St., Martinez, $3.13; W. E. Sinclair, Miranda, $3.25; M. E. Beckstrom, Box 94, Trinidad, $3.25; Wm. Kern, Weott, $3.35; K. N. Dewar, Eureka, $3.47; R. Harwood, Laytonville, $2.50; W. C. Colly, Berkeley, $2.75; Daniel Gallagher T. M. & R. Co., San Francisco, $3.18; C. Mankel, 2924½ 35th St., Sacramento, $3.18.

Two 3½ cu. yds. dump trucks for Boonville for 400 hours: Garcia Const. Co., P. O. Box 65, Irvington, $2.75; W. Colbert, 59 Peralta Ave., San Francisco, $2.93; Dellarosa TruckingCo., $3.13; M. E. Beckstrom, $2.68; Wm. Kern, $3.35; K. N Dewar, $3.47; Daniel Gallagher T. M. & R. Co., $3.18; C. Mankel, $3.18; Gus De Paul, 667 44th St., Oakland, $3.25; James F. Brickett and Tex Hine, Hollywood, $3.00, Chas. Kuppinger, Lakeport, $2.75.

Two 3½ cu. yds. dump trucks for Crescent City for 500 hours: Garcia Const. Co., $3.25; Wm. Colbert, $2.93; Dellarosa Trucking Co., $3.25; M. E. Beckstrom, $3.25; Wm. Kern, $3.35; K. N. Dewar, $2.79; Daniel Gallagher, $3.18; C. Mankel, $3.18; G. Teed and Stanley Chase, Hollywood, $3.00.

Four 3½ cu. yd. dump trucks for Garberville, for six hundred and fifty hours: Wm. Colbert, $3.00; W. E. Sinclair, $2.68; Wm. Kern, $3.35; K. N. Dewar, $3.47; Daniel Gallagher, $3.18, C. Mankel, $3.18.

Two for Garberville for 1000 hours: Garcia Const. Co., $2.50; Chas. Burnside, 1259 Allen Ave., Glendale, $2.83; Pacific Trucking Service, Inc., San Jose, $2.90; Wm. Colbert, $2.93; Dellarosa Trucking Co., $3.00; W. E. Sinclair, $3.25; M. E. Beckstrom, $3.25; Wm. Kern, $3.35; J. P. Buonaccorsi, Willitts, $3.35; K. N. Dewar, $3.47; W. W. and F. D. Abblett, 1152 N Fairfax Ave., Hollywood, $1.99; W. C. Colly, $2.50; Daniel Gallagher, $3.18; C. Mankel, $3.18; Gus De Paul, $3.25; J. O'-Shea, San Francisco, $3.35.

Four 3½ cu. yd. dump trucks for Garberville for 1500 hours: Pacific Trucking Service, Inc., $3.00; W. E. Sinclair, $3.25; Wm. Kern, $3.35; K. N. Dewar, $3.47; Jack Starkenburg, 647 W 18th St., Los Angeles $2.84; Sunset Decomposed Granite Co., Hollywood, $1.99; N. Giorgi, 2055 Greenwich St., San Francisco, $3.00; Daniel Gallagher, $3.18; C. Mankel, $3.18.

One 950-gal. water sprinkler truck for Garberville for 500 hours: Dellarosa Trucking Co., $2.68; Wm. Kern, $3.25; K. N. Dewar, $2.79; Sunset Decomposed Granite Co., $2.24; Charles Kuppinger, Lakeport, $3.00 (1200-gal. tank), and C. Mankel, $3.00.

BIDS OPENED

HAMILTON FIELD, Cal.—Following bids received by the Air Corps Supply Officer, Hamilton Field, San Rafael, for furnishing (1) three 5-ton chain hoist and trolley; (2) one 1-ton trolley:
General Machinery & Supply Co., San Francisco, (1) $815.79 each; (2) $15.20.
Round Calif. Chain Corp., Ltd., San Francisco, (1) $815.79; (2) $15.20.
Fairbanks Morse & Co., San Francisco, (1) $915; (2) $25.
C. W. Marwedell, San Francisco, (1) $928.50; (2) $24.
Marshall-Newell Supply Co., San Francisco, (1) $967.41; (2) $15.39.

CONTRACT AWARDED

BREMERTON, Wash. — Judson - Pacific Co., 609 Mission St., San Francisco, at $49,608 awarded contract by Navy Department, Washington, D. C., for 7 cranes to be installed in the ma-

chine and electric shop building at Bremerton.

CONTRACT AWARDED

LOS ANGELES, Cal.—Buffalo Forge Co., at $1527.75 f.o.b. Los Angeles, awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing centrifugal fans under Bid No. 21266.

The other bidders were:

The New York Blower Co., $1340; Master Fan Corp., $1390.62; Clarage Fan Co., $1520; The B. F. Sturtevant Co., $1602; Ilg Elec. Ventilating Co., $1804; American Blower Corp., $1885; Garlinghouse Bros., $1957.60; Graybar Elec. Co., Inc., $1957.60; English & Lauer, Inc., $2150.28.

PURCHASE PLANNED

FRESNO, Cal.—Fresno City Commission has voted to undertake collection and disposal of garbage as a municipal enterprise in October when the existing franchise of the Fresno Disposal Co. expires. Commissioner of Public Works, Jean L. Vincenz is directing a survey of possible methods. Bids on trucks and other necessary equipment probably will be asked in August.

BIDS OPENED

SAN DIEGO COUNTY, Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at $4.00 (1) hourly rate, and at $40 (2) moving equipment in and out, submitted low bid to E. E. Wallace, District Engineer, District XI, State Highway Department, Union Building, San Diego, March 22, for rental of one oil distributor of about 800 gallons capacity for use on the north shore of the Salton Sea. Complete bids follow:

Square Oil Co., (1) hourly rate, $4; (2) moving equipment in and out, $40.

R. E. Hazard Contr. Co., (1) $5.50; (2) $100.

Leonard C. Pulley, (1) $7; (2) $100.

Gilmore Oil Co., (1) $7; (2) $100.

Pacific Tank Lines, (1) $15; (2) $100.

The bids were taken under advisement.

CONTRACTS AWARDED

BURLINGAME, San Mateo Co., Cal.—Following bids received by W. F. Holbrook, Maintenance Superintendent Box 616, Burlingame, and contracts awarded as shown, for rental of dump trucks:

One truck for Santa Cruz: Awarded to A. L. Philbrick, Glenwood, at $11.-10, the only bid submitted.

Two trucks for San Mateo: Awarded to C. L. Jordan, Belmont, at $12.75, the only bid submitted.

Three trucks for San Mateo: Identical bids at $15.70 submitted by I. M. Fahey, Daly City; Daniel Gallagher, T. M. & R. Co., San Francisco; San Bruno Ave. Feed & Fuel Co., San Francisco, and M. Bertolino, San Francisco.

AWARD

SANTA CLARA & Santa Cruz Cos., Cal.—Lance & Kooser, 19 S Second St., San Jose, at $24 per day awarded contract by W. F. Holbrook, Maintenance Supt., Burlingame, for rental of one ½-cu. yd. capacity gasoline shovel, complete with operator.

Pacific Truck Service, Inc., San Jose at $32 per day submitted the only other bid.

CONTRACT AWARDED

BERKELEY, Cal.—Allis Chalmers Mfg. Co., 2533 Peralta St., Oakland, at $2918, $500 allowance for old equipment, awarded contract by Berkeley City Council for furnishing a tractor of 38 draw bar horsepower. Robinson Tractor Co., Oakland, submitted the only other bid at $3000, $75 allowance.

BIDS OPENED

SAN DIEGO, Calif.—Following bids received by State Purchasing Agent, March 26, under Quotation 34076, for furnishing a gasoline engine driven tractor for the Division of Highways, San Diego, Shop No. 11. Bids were also taken on an alternate bid for tractor with heavy fuel burning engine. The bids were:

J. D. Adams, TA-30 McC-D tractractor, $1747; alt., no bid; 2% 30 days.

Contractors Equip. & Mchy. Co., San Diego, Allis-Chalmers "M", $1898.50; alt., $115 ensign heavy fuel carburetor to attach to tractor; 2% 10 days net bill.

Smith Booth Usher Co., Los Angeles, Cletrac No. 25, $1875; alt., $1875; Model No. 20-C, $1560; alt., $1560; 2% 30 days.

Hulse-Anderson Tractor & Equipment Co., El Centro, Caterpillar 28, $2201.60; alt., $2201.60; 2% 30 days.

San Diego Tractor & Equip. Co., San Diego, Caterpillar 28, $2201.60; alt., $2201.60; 2%, 30 days.

BIDS OPENED

SAN DIEGO, Calif.—Following bids received by State Purchasing Agent, Sacramento, for one 35-hp. tracklaying type tractor, equipped with canopy top, street plates, hood side plates fenders and spark arrester f.o.b. San Diego, for Division of Highways, Shop No. 11; Quotation No. 34980; Req. No. 428:

Contractors Equipemnt & Machinery Co., 1344 National Ave., San Diego, 2% 30 days, $2,662.00.

Smith, Booth, Usher Co., Los Angeles, 2%, 30 days; $2,676.86.

San Diego Tractor and Equipment Co., San Diego (gasoline) $2,697.67; (Diesel) $3,473.74; (discount) $164.00.

Hulse-Anderson Equip. Co., El Centro, 2% 30 days; $2,697.67.

J. D. Adams Co., Los Angeles, 10% 30 days; $2,810.50.

BIDS OPENED

BOULDER CANYON, Nevada—Following bids received by the Bureau of Reclamation, Denver, Colo., March 9, under Spec. 565, for furnishing power transformers and station service generators for Boulder Canyon, Nevada:

Bid 1—Allis-Chalmers Mfg. Co.; 2, Westinghouse Elec. & Mfg. Co.; 3, General Electric Co.; 4, Penn. Transformer So.; 5, Ideal Elec. Co.; 6, Wagner Elec. Co.: 7. Maloney Elec. Co.; 8, Electric Machinery Mfg. Co.; 9, Elliot Co.

Item 1. 7 55,000-kva. transformers Bid (1) $907,200, West Allis and Pt. Richmond; (2) $910,000, Sharon and Pt. Richmond; (3) $877,000, Pittsfield and Pt. Richmond.

Item 1A. Current transformers—(1) $2625; (2) $2625; (3) $2625.

Item 2. 7 55,000-kva. do.—(1) $817,-600, West Allis and Pt. Richmond; (2) $819,000, Sharon and Pt. Richmond; (3) $791,000, Pittsfield and Pt. Richmond.

Item 2A. Current transformers—(1) $2625; (2) $2625; (3) $2625.

Item 3, 4 13,333-kva. do.—Bids (1) $110,800, West Allis and Pt. Richmond; (2) $111,700 Sharon and Pt. Richmond (3) $104,900, Pittsfield and Pt. Richmond; (4) $105,068, Pittsburg; (6) $107,474, Boulder City; (7) $130,691, Boulder City.

Item 3A. Current transformers—(1) $840; (2) $840; (3) $840; (4) $1092; (7) $840.

Item 4. 2 3000-kva. generators—(1) $44,500, West Allis; (2) $44,539, East Pittsburgh; (3) $45,759, Schenectady and Ft. Wayne; (5) $42,500, Mansfield, Ohio; (9) $38,300 Minneapolis; (9) $38,-600, Ridgway, Pa.

Item 5. Per day erecting engineer and mechanics services—Bid (1) $22 and $15; (2) $25 and $20; (3) $25 and $20; (1) $20 and $20; (5) $20 and $15; (1) $14 and $15; (8) $14 and 12; (9) $14 and 12.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the State Bureau of Purchases, Sacramento, under Quotation No. 33446, Req. No. 9257, for furnishinga 7-ft. rubber tired tow grader f.o.b. Fresno, Division of Highways Shop 6:

Edward R. Bacon Co., San Francisco, Adams No. 7, $780.

J. D. Adams Co., San Francisco, Adams No. 72, $895.25; Adams No. 83, $1208; Adams No. 82, $923.

Jenison Machinery Co., San Francisco, Gallion No. 78, $946.40.

Austin Western Road Machinery Co. San Francisco, Austin No. 8, $1208.

Budd & Quinn, Fresno, Cat. No. 33, $1213.

Midland Tractor Co., Sacramento, $1224.

Associated Equip. Co., San Francisco, Roan No. 7, with large tires, $1,-231; with small tires, $1203.25.

All bids held under advisement.

LOW BIDDER

FORT PECK, Mont.—Pacific Car & Foundry Co., 820 White Bldg., Seattle, at $14,010 submitted low bid to the U. S. Engineer, Kansas City, Mo, for gallows frame and stays, hog frames and stays, A-frame stays, etc., for the dredges on Fort Peck Dam project near Glasgow, Montana.

CONTRACT AWARDED

FORT PECK, Mont.—Fate - Root-Heath Co., Plymouth, Ohio, at $9,730 awarded contract by the U. S. Engineer, Kansas City, Mo., for furnishing one 25-ton gasoline locomotive for the Fort Peck Dam Project, near Glasgow, Mont.

BIDS OPENED

FORT PECK, Mont.—Bucyrus-Erie Co., South Milwaukee, Wis., at $156,-290 submitted low bid to the U. S. Engineer, Kansas City, Mo., for 20 dredge pumps, complete with accessories and fittings, for the Fort Peck Project.

Complete bids follow:

Bucyrus-Erie Co., South Milwaukee, Wis., $156,290.

Thomas Spacing Machine Co., Pittsburgh, Pa., $208,054.

Hilyard - Newbold Co., Morristown, Pa., $219,900.

Hardie-Tynes Mfg. Co., Birmingham Ala., $232,000.

Farrell-Birmingham Co., Inc., Buffalo, N. Y., $232,070.

Ellicott Machine Corp., Baltimore, Md., $257,911.

S. Morgan Smith Co., York, Pa., $243,418.

Lake Erie Engr. Corp., Buffalo, N. Y., $296,200.

Nordberg Mfg. Co., Milwaukee, Wis. $255,932.

Continental Roll & Steel Foundry Co., East Chicago, Ind., $292,000.

Worthington Pump & Mchy. Corp., Harrison, N. J., $298,452.

Morris Machine Works, Baldwinsville, N. Y., $286,700.

Baldwin Southwark Corp. Eddystone Pa., $259,000.

Steacy Schmidt Mfg. Co., York. Pa., $255,100.

CONTRACT AWARDED

LOS ANGELES, Calif.—Gay Engineering Corp. of California, 2650 Santa Fe Ave., Los Angeles, at $8,290.80 (Alternate) f.o.b. Indio, awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing cooling coil units, under Bid No. 21297. The bidders were Gay Engr. Corp. of Calif. (alternate) $8,290.80.

The B. F. Sturtevant Co. (alternate) $8,742.00.

English & Lauer, Inc., representing Young Radiator Co. (alternate) $8-771.75.

Lamberth-Bell Co., Inc., $9,878.40.
Buffalo Forge Co., $10,454.15.
American Blower Corp., $10,479.65.
A. G. O'Rear, dist. representative of New York Blower Co., $11,100.

CONTRACT AWARDED

FORT PECK, Montana — General Electric Company, Schenectady, New York, at $779,500 awarded contract by the U. S. Engineer, Kansas City, Mo., for furnishing four sets of motors, control, switchboard and spare parts for dredges, for Fort Peck Dam, near Glasgow, Montana.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the State Bureau of Purchases, Sacramento, under Quotation 33449, Req. 9224, for furnishing one heavy duty tow grader, hand operated controls, bank sloping, 10-foot moldboard, scarifier attached, f.o.b. Fresno, Division of Highways Shop 6:

J. D. Adams Co., San Francisco, Adams No. 22, $1771; Adams No. 121, $2,696.

Associated Equip. Co., San Francisco, Roan 12-S with large tires, $2297; with small tires, $2223.

Jenison Machinery Co., San Francisco, Gallion No. 12, $2317.

Budd & Quinn, Fresno, Cat. No. 66, $2324.

Austin Western Road Machinery Co. San Francisco, Austin No. 11, $2,336; Austin No. 10, $1,771.

Midland Tractor Co., Sacramento, Cat. No. 66, $2317.

All bids ehld under advisement.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the State Purchasing Agent, Sacramento, for furnishing one portable gas engine driven air compressor, not less than 350 cu. ft. free air per minute at 90 lbs. pressure; Req. 16262 f.o.b. Pulga; Req. 16261 (alternate) f.o.b. Redding:

Requisition 16262 f.o.b. Pulga:

Ingersoll-Rand Co. of California, Los Angeles, 305 cu. ft. machine, $4650.

Rix Co., Inc., San Francisco, Leroy $6158.

Edward R. Bacon Co., San Francisco, Schramm, $6400; starter $350 extra.

Schramm, Inc., S. F., Schramm, $6400; starter $350 extra.

Gardner-Denver Co., San Francisco, $7347.

Requisition 16261:

Gardner-Denver Co., San Francisco, $3850; starter, extra; alternate, including starter, $7347.

Chicago Pneumatic Tool Co., S. F., $4300; starter, $350 extra.

Schramm, Inc., S. F., $4300; starter $350; alternate, including starter, $5,550.

Edward R. Bacon Co., San Francisco, $4300; starter, $350; alternate, including starter, $5550.

Ingersoll-Rand Co. of California, Los Angeles, alternate, $4650.

Rix Co., Inc., San Francisco, $5550.

All bids held under advisement.

27—FIRE ALARM SYSTEM

BIDS WANTED

HAMILTON FIELD, Cal. — Until April 2, 11 A. M., bids will be received at the office of the Constructing Quartermaster, Hamilton Field, San Rafael, for the installation of a shutter code signal siren at Hamilton Field.

Plans and specifications obtainable from above office upon deposit of $5.

Capt. H. B. Nurse, Constructing Quartermaster.

28—FIRE EQUIPMENT

BIDS WANTED

BAKERSFIELD, Cal.—Until April 9, 5 P. M., bids will be received by V. Van Riper, City Clerk, City Hall, Bakersfield, for rental under a lease for twenty-four months, with option to purchase, of the following equipment:

(1) 2 Booster Pump Tank Apparatuses (to be used for the Bakersfield Fire Department)

Specifications obtainable from above office.

30—RESERVOIRS & DAMS

BIDS WANTED

SAN DIEGO, Cal.—Until April 9, 19 A. M., bids will be received by the San Diego City Purchasing Department, 524 F St., San Diego, for the construction of an extension to the spillway at El Capitan Dam. The extension will provide an additional capacity of 82,000 cu. ft. per second. The work will cost between $150,000 and $200,000 and involves:

(1) 190,000 cu. yds. excavation;
(2) 13,500 bbls. Portland cement;
(3) 520,000 lbs. reinf. steel.

Plans obtainable from above office, H. J. Schaper, Assistant Purchasing Agent; H. N. Savage, Hydraulic Engineer, prepared the plans.

SUPPLEMENTAL AWARD

GRAND COULEE, Wash. — Bureau of Reclamation has awarded a supplemental contract to David E. Ryan Const. Co., San Diego, Calif., for moving an additional 500,000 cubic yards of material at Grand Coulee dam site. Payment will be at the rate of $0.25 per yard for dirt excavation and $0.75 per yard for rock excavation. Same rate as provided in the original contract for excavation of 2,000,000 yards. Work is to be completed by June 2.

BIDS TO BE ASKED

GRAND COULEE, Wash.—Bids will be advertised about May 1 for construction of the Grand Coulee Dam. The project has been approved by the administration and the work placed in the hands of the Bureau of Reclamation which is completing plans for the dam. The dam is estimated to cost $40,097,331. It will be approximately 335-ft. high and 4,140 ft. long.

The principal items are:

9,000,000 cu. yds. common excav.;
450,000 cu. yds. rock excav.;
1,777,000 cu. yds. concrete;
22,000,000 lbs. reinf. bars;
686,000 lbs. standard steel and cast iron pipe and fittings;
8,346,000 lbs. high-pressure, hydraulically - operated sluice gates and metal conduit linings;
1,115,000 lbs. sluice gate trash rack metal work;
1,067,000 lbs. struc. steel and other metal work;

Other items and costs follow:

Fish ladder, $300,000;
Railroad to dam site, $600,000;
Highway to dam site, $50,000;
Camp, $500,000.

CANCELLATION REQUESTED

LOS ANGELES, Cal.—E. C. Eaton, County Flood Control Engineer, has requested the Los Angeles County Supervisors to cancel the contract with the Pacific Coast Steel Co. for furnishing reinforcing steel bars for gunite channel in the Arroyo Seco between Devil's Gate Dam and Howard St., Pasadena, on account of new plans which call for low check dams across the channel and the elimination of concrete block mattress for which steel was intended. The request was referred to the county counsel for further action.

BIDS WANTED

SAN DIEGO, Cal.—Until April 9, 10 A. M., as previously reported, bids will be received by the San Diego City Purchasing Department, A. H. Wright city clerk, City Hall, for the construction of an extension to the spillway at El Capitan Dam. The extension will be 810 ft. in length and vary from 189½ ft. to 150 ft. in width, to connect with a 50-ft. channel into the river.

Approximate quantities involved are:

(1) 50,000 cu. yds. excav., Class 1, Sta. 7 plus 40 to Sta. 10 plus 37;
(2) 112,000 cu. yds. excav., Class 1, Sta. 10 plus 37 to Sta. 15 plus 50;
(3) 36,000 cu. yds. excav., Class 1, Sta. 15 plus 50 to Sta. 25 plus 00;
(4) 1000 cu. yds. excav., Class 2, cut of trenches;
(5) 1000 cu. yds. concrete, Class 1, in cut off walls;
(6) 6000 cu. yds. concrete, Class 2, in floor lining;
(7) 2900 cu. yds. concrete, Class 3, side wall lining;
(8) 13,500 bbls. cement in place in the work;
(9) 520,000 lbs. reinf. steel do;
(10) 6800 lin. ft. 4-in. drain tile do;
(11) 400 lin. ft. 6-in. drain tile do.

Estimated cost between $150,000 and $200,000. Plans prepared by H. N. Savage, city hydraulic engineer. Plans and specifications obtainable from Mr. Savage at his office at 524 F St., San Diego, upon deposit of $10.

BIDS WANTED

LOS ANGELES COUNTY, Calif.—Until April 9, 2 P. M., bids will be received by the Los Angeles County Supervisors for the construction of a gravity block at the east abutment of the Sierra Madre dam.

The work involves 300 cu. yds. excavation, 750 cu. yds. placing concrete in gravity block, 2400 sq. ft. placing gunite facing slab.

E. C. Eaton, county flood control engineer; Mame B. Beatty, 501 Hall of Records, Clerk.

31— PIPE LINES & WELLS

March 24, 1934

BOND ELECTION

WENATCHEE, Wash.—An election will be held April 24 to vote on a water revenue bond issue to provide funds for water development and improvements in the Mount Stuart Project. Construction is contingent upon a P. W. A. 30% grant. The work involves construction of a concrete diversion dam on the Icicle river, 800 ft. of 36-in. concrete pipe line, 30 miles creosoted wood and 3 miles of steel pipe line, 27- to 30-in. concrete-lined reservoir of 28,000,000 gals. capacity and 40 miles of 3- to 10-in. distributing pipe. The diversion dam will require 504 cu. yds. of concrete and 846 cu. yds. excavation.

F. J. Sharkey, city engineer. R. H. Thompson, Seaboard Building, Seattle, consulting engineer. 31

BIDS OPENED

PASADENA, Calif.—Following bids were received by the Sunnyslope Water Co., Pasadena, for constructing a by-pass around the Sunnyslope Reservoir, involving 600 ft. 24-in., 12-ga. welded steel pipe:

State Steel Products Co., Inc., $2340 (manifold type); $2734 (using gates and crosses.)
Tucker & Co., $2670.
Lacy Mfg. Co., $2763.46 (alt. using manifold type); $2993.46 (crosses and gate valves).
Western Pipe & Steel Co., $3390.
Creighton, Inc., $3980.
Southern Pipe & Casing Co., material, $1261.75.
Consolidated Steel Corp., material, $1174.
American Pipe & Steel Corp., material, $1173.78.

J. L. Kruly submitetd a bid of $300 for ditching only for this job.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN FRANCISCO.—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to construct (expediency) a sewer in Bradford St. between Cortland Ave. and a point 160 ft. north from Jarboe Ave., involving:

(1) 410 lin. ft. 8-in. VCP sewer in place;
(2) 28 8x6-in. Y branches on 8-inch VCP sewer;
(3) 2 brick manholes complete.

Estimated cost, $1,650.

March 24, 1934

BONDS DEFEATED

TACOMA, Washington.—The $3,000-000 trunk sewer bond isue was defeated at the election March 13.

March 24, 1934

BIDS WANTED

LOS ANGELES, Cal.—Until April 4, 10 A. M., bids will be received by the Los Angeles Board of Public Works, for constructing an extension to the by-pass at the Hyperion Treatment Plant. The work will involve construction of the by-pass, abount 286 feet in length, of from 20-in. to 23-in. inside diameter. Plans and specifications No. D-3634. The work includes Class F concrete work, 1½-in. gunite work and wire mesh reinforcement.

F. L. Weisenheimer, assistant engineer of sewer design, prepared the plans. 32

PLANNED

PASADENA, Cal. — C. W. Koiner, City Manager, has announced that the city plans to expend between $25,000 and $30,000 for improvements to the sewage disposal plant involving a new filter and furnace.

PROSPECTIVE BIDDERS

MONTEREY, Cal.—Following have procured plans for the construction of an outfall sewer and intercepting sewers in Monterey, for which bids will be opened April 3, 7:30 P. M., as previously reported:

Geo. C. DeGolyer, 217 Federal Telegraph Bldg., Oakland.
Merritt, Chapman & Scott Corp., San Pedro.
Clark & Henery Constr. Co., 564 Market St., San Francisco.
Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco.
Frederick W. Snook Co., 596 Clay St., San Francisco.
Pacific States Constr. Co., 596 Call Bldg., San Francisco.
W. J. Tobin, 3701 Balfour Avenue, Oakland.
Guy F. Atkinson, 658 Russ Bldg., San Francisco.
Fredrickson & Watson and Fredrickson Bros., 873 81st Ave., Oakland.

33— WATERWORKS

CONTRACT AWARDED

PASADENA, Cal.—State Steel Products, Inc., 2500 E. 23rd St., Los Angeles, at $1940 complete (except venturi tubes and chlorine machine), awarded contract by Sunnyslope Water Co., Pasadena, for constructing a pipe line across Huntington Drive at Sunnyslope Blvd. to connect the company's reservoir with the headgates. The line will consist of 188 ft. 24-in. 3/16-in. acetylene welded steel pipe, laid in a trench 4-ft. wide and avraging 15-ft. in depth for a distance of 166 ft. Balance of trench will be about 4-ft. deep. Excavation will total about 382 cu. yds. Corrugated metal culvert, 30-in. will be driven under the tracks to house the steel pipe for a length of 35 ft., the space between to be filled with tar. Complete bids follow:

State Steel Products, Inc., $1940.
Lacy Manufacturing Co., $1942.62.
Western Pipe & Steel Co., $2144.80.
Tucker & Co., $2630.
Creighton, Inc., $3912.
Southern Pipe & Casing Co., partial bid on material, $747.15; wrapping $63.15.
Consolidated Steel Corp., material, $845; gate valves, $320.80.
American Pipe & Steel Corp., pipe only, $768.12.
West Coast Pipe & Steel Co., material $1057.50 (not including culvert).

Contract for constructing manholes was awarded to M. B. Hollinger, Pasadena at $215. Complete bids follow:

M. B. Hollinger.....$215
J. B. Bennett..... 230
Ben Smith 233
R. A. Gibbs..... 250

Bids for labor for excavating and backfilling for trench work only were:

J. L. Kurly,.....$ 550
E. A. Irish (including ditching, driving, culvert and tar)..... 1080
Macco-Robertson Co. (including do) 1200
Pat Devine 1350
(tunnel and manhole)..... 3300

CONTRACTS AWARDED

LOS ANGELES, Cal.—Following bids received by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, Los Angeles, March 24, for furnishing pumps under Bid No. 21347:

Item I—Luitweiler Pump Co. of California, 707 N. Main St., Los Angeles, at $277.34 awarded contract. Other bids were Ingersoll-Rand Co. of California, $292.90; Fairbanks, Morse and Co., $300.02; Victor Equip. Co. (Kimball-Krogh Pump Division), $321.44; Layne & Bowler Corp., $321.90; Byron-Jackson Co., $334.47; Chicago Pump Co., $341.34; Buffalo Pumps, Inc., $348; American Well Works, % American Pump Co., Ltd., $394.36; De Laval Steam Turbine Co., $430.15; Oil Well Supply Co., $437.61; Worthington Co., Inc., $438.45.

Items II and III—Fairbanks, Morse & Co .,427 E Third St., Los Angeles, at $767.79 awarded contract. Other bids were: Simonds Machinery Co., $807.62; Ingersoll-Rand, $822.91; Luitweiler Co. of Calif., $877.99; Byron-Jackson Co., $1044.02; Victor Equip. Co., $1084.86; Layne & Bowler Corp., $1136.09; Chicago Pump Co., $1223.49; Buffalo Pumps, Inc., $1225; De Laval Steam Turbine Co., $1378.58; American Well Works, % American Pump Co., Ltd., $1386.20; Worthington Co., Inc., $1437.99, and Oil Well Supply Co., $1465.

Item IV—Kimball-Krogh Pump Division, Victor Equip. Co., 1010 E 62nd St., Los Angeles, at $166.04 awarded contract. Other bids were: Ingersoll-Rand, $179.64; Fairbanks, Morse and Co., $180.03; Luitweiler Pump Co., $180.71; Simonds Machinery Co., $181.-81; Byron-Jackson Co., $215.14; American Dell Works, $247.05; De Laval Steam Turbine Co., $251.96; Layne & Bowler Corp., $271.22; Buaffio Pumps, Inc., $274; Chicago Pump Co., $279.19; Worthington Co., Inc., $306.07, and Oil Well Supply Co., $330.64.

BIDS WANTED

SAN FRANCISCO—Until April 2, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, San Francisco, for furnishing under Invitation Bid No. 1166, standard wrought steel galvanized water pipe, as follows:

(1) 35,000 ft. ¾-inch;
(2) 1000 ft. 1-inch;
(3) 1000 ft. ½-inch.

Specifications obtainable from above office.

VALUATION FIXED

REDDING, Cal. — State Railroad Commission has fixed $224,000 as the compensation to the California Water Service Company if the Redding plant is purchased by the City.

IMPROVEMENTS PLANNED

PALM SPRINGS, Riverside Co., Cal. —Palm Springs Water Co., serving Palm Springs, has applied to the Railroad Commission for authority to sell $25,000 of its common capital stock to raise funds to improve its water system.

CONTRACTS AWARDED

WHITTIER, Los Angeles Co., Cal.—Worthington Pump & Machinery Corp. 5075 Santa Fe Ave., Los Angeles, was awarded contract by the Whittier city council March 19 for furnishing and installing two 350-g.p.m. centrifugal booster pumps and one 30-hp. motor for the municipal water department at $1786 (allowance for using old motor, $290.17).

Other bidders were: Robt. M. Hartwell Co., $1505; Byron - Jackson Co., $1598.56; Pacific Pump Co., $1601.60.

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BIDS WANTED

MARE ISLAND, Calif.—Until April 11, 11 A. M., bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7610, for continuous blow-down water softening, and chemical feeding systems at the Navy Yard Mare Island.

Specification No. 7610 and accompanying drawings obtainable from the Bureau or from the Commandant, Navy Yard, Mare Island, upon deposit of $10. Norman M. Smith, Chief of the Bureau. Capt. Ralph Whitman, Public Works Officer, Mare Island.

BOND ELECTION

GILROY, Santa Clara Co., Cal—May 7 has tentatively been set at the date for the Gilroy electorate to vote on a $29,000 bond issue to secure a PWA allottment of $37,000. The money will finance improvements to the existing waterworks system and the construction of a new main pipe line from the reservoir on Hecker Pass road to the city.

CONTRACT AWARDED

LOS ANGELES, Cal.—Southern Pipe & Casing Co. at $9,000 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, for furnishing 22-in. I. D. pipe f.o.b. Indio, under Bid No. 21465.

Other bidders were:

American Pipe & Steel Corp.....$7,430
Consolidated Steel Corp..... 7,550
Southwest Welding & Mfg. Co..... 7,600
West Coast Pipe & Steel Co..... 7,800
Lacy Manufacturing Co..... 8,900
Western Pipe & Steel Co. of Cal. 9,000

BIDS WANTED

PETALUMA, Sonoma Co., Cal.—Until April 2, 7:30 P. M., bids will be received by the Petaluma City Council for furnishing pipe, sprinklers and other equipment and supplies necessary in the work of installing sprinkler system in Hill Plaza Park. Bids will also be received for the following:

(1) 2 nipples (4-inches in length and threaded for ½-in. pipe) for each sprinkler.
(2) 1 coupling (threaded for ½-inch pipe) for each sprinkler.

Plans and specifications obtainable from City Clerk Gladys V. Roberts.

CONTRACT AWARDED

LOS ANGELES, Calif.—Warren and Bailey Co., 350 S. Anderson St., Los Angeles, at $6,000 awarded contract by the Los Angeles Water and Power

Comission, 207 S. Broadway, for furnishing gate valevs under Spec. No. 13.

CONTRACTS AWARDED

LONG BEACH, Cal.—The contract to furnish 125,000 ft. of seamless lined steel pipe for the gas department was awarded by the Long Beach city council. Total amounted to $23,451 and the award was divided among six local companies, as follows: Crane Co., O'Well Supply Co., National Supply Co., California Pipe & Supply Co., Republic Supply Co., and Midway Supply Co.

BIDS REJECTED

PASADENA, Calif.—Following bids received by the Sunnyslope Water Co., Pasadena, for furnishing three 24-in., four 16-in., and four 12-in. non-rising gate valves for use in connection with a water line to be constructed across Huntington Blvd. (1) 12th in., (2) 16-in. (3) 24-in.:

Kelly Pipe Co.,* (1) $40, (2) $75, (3) $150.

Lay Mfg. Co.,* (1) $55, (2) $55, (3) $80.

Big Pipe & Sup. Co., (1) $82.37, (2) $159.69, (3) no bid.

Clapman alve Co., (1) $83.25, (2) $112.25, (3) $244.

Valing Sprinkler Co., (1) $82.75, (2) no bid, (3) no bid.

Pipe & Supply Co., (1) no bid, (2) $156, (3) no bid.

*Second hand.

The bids were rejected as the contract for the gate valves was included in the contract for construction of the line awarded to State Steel Products, Inc.

CONTRACT AWARDED

PASADENA, Calif.—R. W. Sparling Mfr Co., 945 N. Main St., Los Angeles, at $675 awarded contract by the Sunnyslope Water Co., Pasadena, on March 23, for furnishing two Venturi tubes and a chlorine machine for a steel water line to be built across Huntington Drive at Sunnyslope Blvd.

3—PARKS AND PLAYGROUNDS

BIDS OPENED

SAN FRANCISCO — Meyer Rosenberg, 1755 San Bruno Ave., at $2469 submitted low bid to Constructing Quartermaster, Fort Mason, for seeding and planting the grounds of the new addition to the San Francisco National Cemetery, San Francisco. Following bids received:

Meyer Rosenberg	$2469
Theo Cohn	3639
E.J. Treacy	4359
Pacific States Constr. Co.	4821
Bailey Grading & Teaming Co.	6299

Bids held under advisement.

BIDS OPENED

NAPA, Cal.—West Coast Nursery, Palo Alto, at $777 submitted low bid to Custodian, Napa Post Office, for seeding and planting grounds at the Napa Post Office. Following bids received:

West Coast Nursery	$ 777
Carl Lund	875
California Nursery	920
H. S. Mielenz	1250

Bids referred to Washington, D. C. for award.

BIDS REJECTED

MARYSVILLE, Yuba Co., Cal.—Post Office Department rejected all bids for seeding and planting grounds at the Marysville Post Office. New bids will be asked shortly. On previous bid opening lowest bid was submitted by the Central Coast Nursery, Monterey, at $249.

BIDS WANTED

MERCED, Cal.—Until April 9, bids will be received by the Custodian, Merced Post Office for seeding and planting the grounds at the Post Office, Merced.

BIDS WANTED

EL CENTRO, Imperial Co., Cal.—Bids are being received by the Custodian, El Centro Post Office, for lawn sprinkler system at the El Centro Post Office site.

LOW BIDDERS

SALT LAKE CITY, Utah.—A. H. Walsh, Salt Lake City, submitted the low bid to the Veterans' Administration March 27, at $9115 for a lawn sprinkler system to be installed at the Veterans' Administration Facility, Salt Lake City.

29—STREETS AND HIGHWAYS

BIDS WANTED

TEHAMA COUNTY, Calif.—Until April 13, 2 P. M., bids will be received by the Department of Public Works Division of Highways, F. W. Haselwood, District Engineer, District II, Redding, for treating with fuel oil about 30.6 miles in Tehama Co., between State Highway Route 3 and Wells Creek (II-Teh-29-D & E).

Plans and specifications obtainable from the above office.

AWARD.

CLARK COUNTY, Nevada.—Dodge Const. Co., Fallon, at $125,886.39 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for reconstructing 4.37 miles of Route 6, Section E-1, in Clark County, between 4.4 miles southwest of Crystal and Crystal, including an underpass and a reinforced concrete bridge.

Complete total bids follow:

Dodge Const. Co., Fallon	$125,886.39
Gibbons & Reed, Salt Lake	127,878.10
J. A. Casson, Hayward, Cal.	129,407.87
Engineer's estimate	111,258.18

Unit prices will be published shortly.

AWARD.

MINERAL COUNTY, Nev.—George Pollock, P. O. Box 903, Sacramento, at $143,264.33 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for reconstructing 20.02 miles of Route 3, Sections A-2 and B-I, in Mineral County, between Rhodes and 3.3 miles west of Luning.

Complete total bids follow:

George Pollock, Sacramento	$143,264.33
Isbell Const. Co. Carson City	149,104.75
Union Paving Co., S. F.	164,805.44
Engineer's estimate	174,898.05

AWARD

LINCOLN COUNTY, Nevada—U. B. Lee, San Leandro, Calif., at $25,479.62 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for the construction of a roadmix asphaltic surface on a portion of the State Highway system in Lincoln County, bet. Pioche and Stonehouse, Route 7, Section D-1, a length of 13.50 miles.

Complete total bids follow:

U. B. Lee, San Leandro, Cal.	$25,479.62
J. C. Compton, McMinnville, Oregon	25,521.81
Silver State Const. Co. Fallon	26,156.55
Engineer's estimate	28,806.08

AWARD

CLARK & NYE COUNTIES, Nev.—Union Paving Co., Call Bldg., San Francisco, at $111,982.34, submitted the low bid and awarded contract by Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway system in Clark and Ney Counties, between Indian Springs and 22 miles west, Route 5, Sections HA and B, a length of 22.01 miles.

Complete total bids follow:

Union Paving Co., S. F.	$111,982.34
Gibbons & Reed, Salt Lake City	116,268.61
Dodge Const. Co., Fallon	120,193.18
J. A. Casson, Hayward, Cal.	125,639.24
Engineer's estimate	118,607.68

Unit prices will be published shortly.

AWARD

ORMSBY COUNTY, Nevada.—J. A. Casson, Hayward, Calif., at $38,306.16 submitted low bid and was awarded contract by Nevada State Highway Directors, Carson City, for grading and surfacing 1.25 miles of Route 3, Sections A-2, B and C-1, in Ormsby County, between south limits and north limits of Carson City.

Complete total bids follow:

J. A. Casson, Hayward, Cal.	$38,306.16
J. C. Compton, McMinnville, Oregon	44,346.94
Union Paving Co., S. F.	45,474.14
Engineer's estimate	38,342.60

BIDS REJECTED

LYON COUNTY, Nevada.—All bids were rejected by Nevada State Highway Directors, Carson City, for grading and surfacing 1.01 miles of Route 3, Section D-2 in Lyon County, between Hoye and the west county line.

The work will be done by force account in conformity with NIRA requirements that one federally-financed project in each state be done by day labor as a check on contract prices.

The bids received were:

Silver State Const. Co., Fallon	$35,053.97
Union Paving Co., S. F.	41,744.52
J. A. Casson, Hayward, Cal.	43,105.21
Isbell Const. Co., Carson City	43,321.64
Engineer's estimate	35,142.18

CONTRACT AWARDED

MALHEUR COUNTY, Oregon. — S. H. Newell, Board of Trade Bldg., Portland, Oregon, at $24,347, awarded contract by the Oregon State Highway Commission, Portland, Oregon, for grading 5.2-mi. of Blue Mountain Pass-Jackson Creek Section of I-O-N Highway, Federal Lands Highway Project No. 3-B, in Malheur County.

Joplin & Eldon, Portland, at $24,723 submitted only other bid. R. H. Baldock, State Highway Engineer. The bids were opened March 22.

AWARD

CLACKAMAS COUNTY, Oregon. — Edlefsen-Weygandt Co., 280 Front St., Portland, Oregon, at $149,922, awarded contract by the Oregon State Highway Commission, Portland, Oregon, for grading and paving 1.65 miles, South Unit, Portland-Milwaukie Section of East Portland-Oregon City Highway, National Recovery Projects Nos. NRH 168-F and NRM 168-G, in Clackamas County.

Complete bids follow:

Edlefsen-Weygandt Co., Portland, Oregon, $149,922.

Parker-Schram Co., Portland, $152,474.

Harold Blake, $160,132.

Kern & Kibbe, Portland, $162,290.

P. L. Crooks & Co., Portland, $178,767.

R. H. Baldock, State Highway Engineer. The bids were opened March 22.

LOW BIDDER

GILA CO., Ariz.—R. E. Martin & Co., Box 934, Tucson, at $17,680, submitted low bid to Ariz. State Highway Commission, Phoenix, for widening pavement in the City of Miami. All-Arizona Engrg. & Constr. Co., at $17,825, submitted second low bid.

LOW BIDDERS

ARIZONA STATE. — Wm. Peper Constr. Co., P. O. Box 1564, Phoenix, at $9,937, submitted low bid to the Arizona State Highway Commission, Phoenix, for constructing culvert and incidental work on the Phoenix-Prescott Highway Proj. N. R. H. 84-A, located 11.25 mi. southeast of Hot Springs Junction. W. E. Hall Co., Alhambra, at $10,228 submitted second low bid.

BIDS OPENED

UMATILLA COUNTY, Oregon. — Joplin & Eldon, Colonial Blvd. and Peninsular, Portland, Oregon, at $69,-105, submitted low bid to the Oregon State Highway Commission, Portland, Oregon, for surfacing 12.2 miles of Moiner's Ranch-Pendleton Section of Pendleton-Cold Springs Highway, National Recovery Project No. 233-A, in Umatilla County.

Northwest Roads Co., Portland, Ore-
Complete bids follow: (1) road oil; (2) tar.

Joplin & Eldon, Portland, Oregon, (1) $69,105; (2) no bid.

Newport Constr. Co., Portland, Oregon, (1) $72,777; (2) $71,989.

Northwest Roads Co., Portland, Oregon, (1) $76,925, (2) no bid.

A. Milne, Portland, (1) $77,360 (2) no bid.

Bids held under advisement. R. H. Baldock, State Highway Engineer. The bids were opened March 22.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—Earl W. Heple, 494 Delmas Ave., San Jose, at $40,576.70 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors for grading and surfacing about 2 miles of McKean Road in Supervisor Dist. No. 1. A. J. Raisch, San Jose, at $54,-991.20 submitted the only other bid. Engineer's estimate, $45,205.40.

BIDS WANTED

SHASTA COUNTY, Cal.—Until April 18, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with fuel oil about 34 miles in Shasta County, between Redding and Viola, requiring 5005 bbls. heavy fuel oil.

Specifications obtainable from above office and on file at the office of the District Engineer in San Francisco, Los Angeles and the district in which the work is situated.

CONTRACT AWARDED

LINCOLN COUNTY, Oregon.—Edlefson-Weygandt Co., 280 Front St., Portland, Oregon, at $54,397, awarded contract by the Oregon State Highway Commission, Portland, Oregon, for grading and surfacing with bituminous macadam 1.03-mile Newport Section, Oregon Coast Highway, National Recovery Projects Nos. NRM 133-B and NRH 133-C, in Lincoln County.

Complete bids follow:

Edlefsen-Weygandt Co., Portland, Oregon, $54,397.

Joplin & Eldon, Portland, $58,125.

E. C. Hall, $60,618.

Northwest Roads Co., Portland, $65,-020.

Saxton & Luney, 70,032.

United Contracting Co., Portland, $70,-569.

R. H. Baldock, State Highway Engineer. The bids were opened March 22.

BIDS WANTED

NAPA, Napa Co., Calif.—Until Apr. 9, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, District Engineer's office, Room 211, State Bldg., San Francisco, for about 28.5 miles to be treated with fuel oil in Napa Co. between Napa and the easterly boundary, requiring 3700 bbls. light fuel oil.

Specifications obtainable from above.

BIDS OPENED

FORT PECK, Montana — Following bids received by the U. S. Engineers, 707 Postal Telegraph Bldg., Kansas City, Mo., March 8, for construction of gravel roads at the site of the proposed Fort Peck Construction Camp, Montana:

Cook - O'Brien Constr. Co., Kansas City, Mo., $233,824.92.

Martin Wunderlich, Jefferson City, Mo., $117,362.98.

Wachter Transfer Corp., Bismark, North Dakota, $113,866.12.

A. B. Lynch Co., Milwaukee, Wisc., $191,696.71.

Morrison - Knudsen Co., Spokane, Wash., $108,950.77.

Barnard - Curtiss Co., Minneapolis, Minn., $117,307.53.

Stevens Bros., St. Paul, Minnesota, $115,919.65.

Inland Constr. Co., Omaha, Nebraska, $164,209.05.

S. J. Groves & Sons Co., Minneapolis, Minn., $118,597.62.

John Spitcaufsky, Kansas City, Mo., $149,858.96.

LOW BIDDERS

ARIZONA STATE.—W. E. Hall Co., 1025 Westminister Road, Alhambra, Calif., at $15,688 submitted low bid to Arizona State Highway Commission, Phoenix, March 23, for constructing three concrete box culverts with necessary grading for approaches on the Phoenix - Wickenburg Highway Project NRH 76, about 5¼ miles east of Hot Springs Junction. Wm. Peper Const. Co., Phoenix, at $16,455 submitted second low bid.

BIDS WANTED

CROW AGENCY, Mont.—Until Apr. 16, 11 A. M., bids will be received by Capt. Geo. W. Armitage, Quartermaster, Ninth Corps Area, Presidio of San Francisco, for the construction of the following projects at Custer Battlefield National Cemetery, Crow Agency, Montana:

(1) reshingle stable and passageway;
(2) construct 500 sq. ft. conc. sidewalk
(3) construct 1000 lin. ft. conc. curbing
(4) construct concrete floor in stable;
(5) construct 2000 sq. yds. oil surfaced driveways;
(6) furnish 1205 seel fence posts and set 400 of same.

Plans and specifications obtainable from the above office.

BIDS WANTED

WASHINGTON STATE.—Until Apr. 10, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for highway improvement as follows:

Whitman County

Stockpiling about 25,420 cu. yds. of crushed stone surfacing and oil rock for about 17.9 miles of the Inland Empire Highway, Eastern Route; Section 1, Junction State Road No. 3 to Oakdale; and Section 2, Idaho State line to Colton, Unit 1 of Federal Public Works Project in Whitman County.

Mason, Jefferson and Kitsap Counties

Stockpiling about 11,280 cu. yds. of stone surfacing and oil rock for about 65.5 miles of State Road No. 9 and 21, Lilliwaup to Wildwood Park and Chico Creek to Kingston, Unit 3 of Federal Public Works Project in Mason, Jefferson and Kitsap counties.

Chelan and Okanogan Counties

Stockpiling about 22,390 cu. yds. of crushed stone (oil rock) for about 99.5 miles of State Road No. 10, Chelan to B. C. line and Chelan to Chelan Falls, Unit 1 of the Federal Public Works Project in Chelan and Okanogan Cos.

Wahkiakum County

Grading, surfacing and constructing treated pile and timber trestle 76 ft. long on about 2.2 miles of State Road No. 12, Grays River to Grays River town, U. S. Public Works Project No. NRS 208-A, in Wahkiakum County, involving:

(1) 20 acres clearing;
(2) 65,580 cu. yds. excavation;
(3) 8,140 cu. yds. ballast;
(4) 7,100 cu. yds. crushed stone surf.;
(5) 28 MBM timber and plank;
(6) 840 lin. ft. treated piling;
(7) 1,101 lin. ft. pipe culverts;
(8) other miscellaneous items.

Pacific County

Surfacing and stockpiling about 35,-700 cu. yds. of crushed stone surfacing and oil rock for about 35.1 miles of State Road No. 12, Palix River to Ilwaco, Unit 2 of Federal Public W'ks Project in Pacific County.

Wahkiakum and Pacific Counties

Surfacing and stockpiling about 14,-010 cu. yds. of crushed stone surfacing for about 24.6 miles of State Road No. 12, K. M. Mountain to Grays River to Johnson's Landing, Unit 1 of Federal Public Works Project in Wahkiakum and Pacific Counties.

Plans and specifications obtainable from above office upon deposit of $2.00 per set.

BIDS REJECTED

JACKSON COUNTY, Oregon. — All bids were rejected by the Oregon State Highway Commission, Portland, Oregon, for widening and surfacing with bituminous macadam, Agate-Little Butte Creek Section of Crater Lake Highway, National Recovery Projects Nos. NRS 47-A and NRS 47-B, 3.54 miles, in Jackson County.

Northwest Roads Co., Park Rose, Portland, Oregon, submitted low bid at $59,936; E. C. Hall, second low bid at $60,297. Other bidders were: United Contracting Co., Portland, $63,726; Newport Constr. Co., $66,551.

R. H. Baldock, State Highway Engineer. The bids were opened March 22.

BIDS WANTED

SISKIYOU CO., Cal.—Until April 18, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with crusher run base and asphalt concrete about 2.4 miles in Siskiyou county between the south boundary of Yreka and 1½ miles north of Yreka. The work involves:

(1) 16 each remove trees size 1;
(2) 33 each remove trees size 2;
(3) 45 each remove trees size 3;
(4) 37 each remove trees size 4;
(5) 4,600 cu. yds. rdwy. excav., unclass., location A;
(6) 25,600 cu. yds. do, location B;
(7) 150,000 sta. yds. overhaul;
(8) 2,900 cu. yds. struc. excavation;
(9) 1,550 cu. yds. remove asph. conc.;
(10) 792 cu. yds. remove Port. cem. conc.;
(11) 16,800 tons crusher run base;
(12) 3,700 sq. yds. asph. paint binder;
(13) 10,740 tons asph. conc.;
(14) 255 bbls. heavy fuel oil;
(15) 1,120 M. gals. water;
(16) 172 cu. yds. Class A Port. cement concrete struc.;
(17) 270 cu. yds. Class A do. curbs & gutters;
(18) 210 cu. yds. Class A Port. cement concrete sidewalk;
(19) 14,700 lbs. bar reinf. steel struc.;
(20) 246 lin. ft. 12-in. CMP;
(21) 1,928 lin. ft. 18-in. CMP;
(22) 142 lin. ft. 24-in. CMP;
(23) 14 lin. ft. 24-in. CMP;
(24) 274 lin. ft. remove and salvage existing CMP;
(25) 1,206 lin. ft. 14x2-in. part circle corrugated culverts;
(26) 190 lin. ft. 23x2⅝-in. do;

(27) 29 each cast steel frames & covers for drop inlets;
(28) 23 each remove and reset manhole frames and covers;
(29) 22 each culvert markers;
(30) 11,500 lin. ft. street lighting cable
(31) 78 stations finishing roadway;
(32) 23 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the district engineer in San Francisco and Los Angeles, and the District in which the work is situated.

BIDS WANTED

ALPINE CO., Cal.—Until April 18, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone road mix method about 6.5 miles and constructing a bridge across East Carson river consisting of one 40-ft. steel stringer span and six 19 ft. timber spans on concrete and timber bents, in Alpine County between Centerville bridge and Markleeville.

The work involves:
(1) 65 acres clear and grub right of way;
(2) 270,500 cu. yds. rdwy. excav., unclassified;
(3) 350,000 sta. yds. overhaul;
(4) 4,420 cu. yds. struc., excav.;
(5) 7,600 cu. yds. untreated crushed gravel or stone base course;
(6) 4,400 cu. yds. crushed gravel or stone bituminous treated surf.;
(7) 415 bbls. fuel oil base course;
(8) 290 tons asph. road oil bituminous treated surfacing;
(9) 69,000 sq. yds. mix asphaltic road oil and crushed gravel or stone;
(10) 3,750 M. gals. water;
(11) 15 cu. yds. Class A Port. cement concrete footing blocks;
(12) 520 cu. yds. Class A Port. cement concrete struc.;
(13) 20 cu. yds. Class B Port. cement concrete;
(14) 48,000 lbs. bar reinf. steel struc.;
(15) 25,000 lbs. struc. steel;
(16) 135 lbs. cast steel;
(17) 82 lin. ft. 8-in. CMP;
(18) 2,904 lin. ft. 18-in. CMP;
(19) 386 lin. ft. 24-in. CMP;
(20) 190 lin. ft. 30-in. CMP;
(21) 304 lin. ft. 36-in. CMP;
(22) 96 lin. ft. 48-in. CMP;
(23) 52 lin. ft. CMP culverts, clean & re-lay;
(24) 2 each spillway assemblies;
(25) 7 cu. yds. concrete removed from existing struc.;
(26) 2.0 miles property fence;
(27) 10 each fence gates;
(28) 0.1 mile existing property fence, moved and re-set;
(29) 175 cu. yds. rubble masonry;
(30) 350 cu. yds. light riprap;
(31) 1 only temporary bridge;
(32) 1 only existing bridge removed;
(33) 24 MFBM redwood timber dense select all-heart struc. grade;
(34) 12 MFBM redwood timber select all-heart do;
(35) 1 lot misc. items of work, bridge;
(36) 341 sta. finish roadway;
(37) 180 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the district engineer in San Francisco and Los Angeles, and the District in which the work is situated.

NOTICE TO BIDDERS

SAN FRANCISCO.—C. H. Purcell, State Highway Engineer has announced prices for blue line prints for the State Highway work advertised for opening April 11.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue line prints of the layout bridge detail sheets will be furnished at cost and become the property of the purchaser. The following table shows the cost of such blue line prints:

1V-S.F2-S.F between Van Ness Ave. and Division St., Plans: (No. sheets), 10, (Cost) $1.00; total $1.00.

1V-S.F-55-S.F bet. Great Highway and 19th Ave., Plans: (No. of sheets) 13, (Cost) $1.30; total, $1.30.

1V-S. F-2-S.F bet. Bay Shore Blvd. and Mission St. viaduct, Plans: (No. of sheets) 5; (Cost) $.50; total, $.50.

1V-S.F-68-S.F bet. Bryant St. bet. 5th and 10th Sts., Plans: (No. sheets) 10; (cost) $1.00; total, $1.00.

1V-S.F168-S.F bet. Waterloo Street and Islais Creek Channel, no charge.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and

CONTRACT AWARDED

MOHAVE COUNTY, Arizona—M. J. Bevanda, Elks Bldg., Stockton, at $351,298.55 awarded conaract by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section B of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave County, Arizona.

BIDS REJECTED

TILLAMOOK CO., Ore.—All bids received by the U. S. Bureau of Public Roads, Portland, February 28, for surfacing 4.4117 miles of the McMinnville-Tillamook Highway Project NR-1-A2, B1, National Forest Road Project, Siuslaw National Forest, Tillamook County, have been rejected. Six identical bids at $34,631 were received and one at $40,900.

AWARD

VENTURA COUNTY, Cal.—Oswald Bros., 366 E 58th St., Los Angeles, at $46,670 awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 3.3 miles in Ventura Co., between Beetox and Santa Clara river.

CONTRACT AWARDED

KERN COUNTY, Cal. — Granite Construction Co., Watsonville, at $27,-339.50 awarded contract by the State Highway Commission, Sacramento, for gr ading and surfacing with bituminous treated crushed gravel or stone abount 1.1 miles between 1 mile south of Delano and 2 miles south of Delano, Kern County.

CONTRACT AWARDED

SISKIYOU COUNTY, Cal. — Hemstreet & Bell, 501 11th St., P. O. Box 215, Marysville, at $48,361.35 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing about 7.5 miles in length with crusher run base, between Moffett Creek and Forest House, Siskiyou County.

CONTRACT AWARDED

ARIZONA STATE.—Pearson and Dickerson, 202 N Central Ave., Phoenix, at $164,694 awarded contract Mar. 20 by the Arizona State Highway Commission, Phoenix, for placing 8-in. perforated CMP aggregate base course and cutback plant mix, with emulsified asphaltic seal coat, etc., on the Prescott - Phoenix Highway Project NRH 72-C.

The work extends from the Prescott south city limits approximately 15.5 miles southwest.

BIDS WANTED

SAN FRANCISCO.—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Cayuga Avenue between Theresa and Millon Streets where not already improved, involving:
(1) 109 lin. ft. armored conc. curbs;
(2) 57 lin. ft. 6-in. VCP side sewers;
(3) 1635 sq. ft. asph. conc. pave., consisting of a 6-in. Class F concrete base and a 2-in. asph. concrete wearing surface;
(4) 440 sq. ft. 1-course concrete sidewalk, 6-ft. in width.

Estimated cost, $725.00.

CONTRACT AWARDED

LOS ANGELES, Cal.—Los Angeles Paving Co., 3200 E. Vernon Ave., Los Angeles, at $45,018.16 awarded contract by the Los Angeles Board of Public Works, March 21, for improving Sepulvede Blvd., from Pico Blvd. to National Blvd., under cash contract.

BIDS WANTED

LOS ANGELES, Cal.—Until March 28, 10 A. M., bids will be received by the Los Angeles Board of Public Works, for grading and excavation at the site of the proposed Union Depot. The work will involve approximately 50,000 cu. yds. excavation.

Plans obtainable at the office of the City Engineer, Lloyd Aldrich.

CONTRACT AWARDED

CLARK COUNTY, Nevada—E. L. Yeager, P. O. Box 470, San Bernardino, at $50,671.21 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for grading section A of Route 11, the Mt. Charleston National Forest Highway, Dixie National Forest in Clark County. C. H. Sweetser, District Engineer.

AWARD RECOMMENDED

TEHAMA COUNTY, Cal.—Tme U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, has recommended award to Clarence Young, 5250 Broadway Terrace, Oakland, at $99,-215.78 for grading and placing subgrade reinforcement on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen National Forest, in Tehama County.

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RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

CONTRACT AWARDED

DOUGLAS, ORMSBY & WASHOE COS., Nevada—J. A. Casson, 319 Warren St., Hayward, Calif., at $106,086.20 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for placing decomposed granite surfacing on Section A and bituminous surface treatment (road mix) on Sections A, B, C and D of Route 1, Lake Tahoe National Forest Highway, and bituminous surface treatment (road mix) on Sections C, D and E of Route 3, Glenbrook National Forest Highway, Tahoe National Forest, Douglas, Ormsby and Washoe Counties, Nev. C. H. Sweetser, District Engineer.

BIDS REJECTED

KERN COUNTY, Cal.—State Highway Commission, Sacramento, rejected all bids received March 14 for grading 6.1 miles between Sivert and Haypress Canyon and the work will be done by force account. This action is in accordance with NIRA requirements that bids be opened and rejected on one Federally - financed highway project and the work completed by State forces as a check on contract prices. The low bid was submitted by Sharp and Fellows Contr. Co., Los Angeles, at $93,929.90. * 29

BIDS REJECTED

WAHKIAKUM and Pacific Counties, Wash. — Doolittle Bros., Woodinville, Wash., at $28,511 submitted low bid to the Director of Highways, L. V. Murrow, Olympia, for surfacing and stockpiling about 14,010 cu. yds. of crushed stone surfacing for about 24.6 mi. of State Road No. 12, K. M. Mountain to Grays river to Johnson's Landing, Unit 1 of Federal Public Works Project in Kakhiakum and Pacific counties.

Homer G. Johnson, Portland, at $31-324 submitted second low bid; Mirene Co., Portland, at $35,306, third.

All bids rejected.

CONTRACT AWARDED

WALLA WALLA COUNTY, Wash. —H. C. Rogers & Sons, Dayton, Wash. at $17,170 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for surfacing with crushed stone and stockpiling crushed stone (oil rock) on about 1:.7 miles of State Road No. 3, Section 1, Attalia Revision, and Section 2, Undercrossing Site N. P. Ry.-Pendleton Branch, at Wallula (stockpile site), Unit 1 of Federal Public Works Project No. 3630, involving 9,450 cubic yards of crushed stone surfacing materials and other items.

Mathieson Const. Co., Sunnyside, submitted second low bid at $17,444.

AWARD

PEND OREILLE COUNTY, Wash. —Triangle Const. Co., Spokane, at $15,881 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for resurfacing 7.7 miles Ione to Metaline Falls, State Road No. 6, Federal Public Works Project No. 4707 in Pend Oreille County.

Joslin & McAllister, Spokane, submitted second low bid at $18,125.

BIDS REJECTED

PACIFIC COUNTY, Wash.—All bids were rejected by the Director of Highways, Olympia, for surfacing and stockpiling about 35,700 cu. yds. of crushed stone surfacing and oil rock for about 35.1 miles of State Road No. 12, Palix river to Ilwaco, Unit 2 of Federal Public Works Project in Pacific County.

The bidders were:

Homer G. Johnson, Portland (low bidder) $96,303.

L. Romano Engr. Corp., Seattle, at $101,807.

A. Milne, Portland, $106,091.

L. V. Murrow, Director. The bids were opened March 20.

CONTRACT AWARDED

GRANT COUNTY, Wash.—Triangle Const. Co., Spokane, at $92,467 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for ballasting and surfacing about 13.4 miles of Grand Coulee Highway, Coulee City to Grand Coulee Dam, Section 2, from a point 14 miles north of Coulee City to dam site, Federal Public Works Project in Grant County.

F. R. Hewett, Spokane, at $99,404 second low bidder; Crino & Nyberg, Spokane, third, $103,927. Bids were opened March 20.

BIDS REJECTED

MASON, JEFFERSON AND KITSAP COS., Wash.—All bids were rejected by the Director of Highways, L. V. Murrow, Olympia, Wash., for stockpiling about 11,280 cu. yds. of crushed stone surfacing and oil rock for abount 65.5 miles of State Road No. 9 and 21, Lilliwaup to Wildwood Park and Chico Creek to Kingston, Federal Public Works Project in Mason, Jefferson and Kitsap Counties.

The bids were opened March 13. R. O. Dail, Aberdeen, Wash., at $22,560 submitted low bid, as previously reported.

BIDS WANTED

OREGON STATE—Until April 5, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium, third floor, Public Service Bldg., Portland, Oregon, for highway construction as follows:

CLATSOP COUNTY:

Astoria-Gnat Creek Section of Columbia River Highway, State Project, furnish approximately:

(1) 2800 cu. yds. crushed gravel in stock piles;
(2) Furnish and place 5200 cu. yds. screened gravel in rock shoulders and rock surfacing.

HOOD RIVER COUNTY:

Parkdale Rock Production Project on Mt. Hood Highway, State Project, furnish approximately 6000 cu. yds. crushed gravel in stock piles.

LANE COUNTY:

Danebo Road-Eugene Section of Eugene-Veneta Highway, National Recovery Project No. NRS-234, construction of 2.98 miles highway roadbed widening, gravel topping, and bituminous macadam, involving:

(1) 19,000 cu. yds. excavation;
(2) 20,200 cu. yds. gravel topping;
(3) 35,000 sq. yds. bituminous macadam wearing surface.

LANE COUNTY:

Low-Pass-Cheshire Rock Production Project on Siuslaw Highway, State Project, furnish approximately 4000 cu. yds. crushed rock or crushed gravel in stock piles.

LINCOLN COUNTY:

Moving buildings at Newport on Oregon Coast Highway, State Project, requires moving and resetting twenty-five frame buildings. Project to be let in three units. Contractors may bid on a single unit or on any combination of units.

LINCOLN COUNTY:

Otis Rock Production Project on Salmon River and Oregon Coast Highways, State Project. Furnish approximately 6000 cu. yds. crushed rock in stock piles.

MORROW COUNTY:

Heppner Rock Production Project on Oregon-Washington Highway, State Project. Furnish approximately 3100 cu. yds. crushed rock in stock piles.

TILLAMOOK COUNTY:

Wheeler-Kilchis River Rock Production Project on Oregon Coast Highway. State project. Furnish approximately 6000 cu. yds. crushed rock in stock piles.

Plans and specifications obtainable from office of the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.00 for each set. R. H. Baldock, State Highway Engineer.

CONTRACT AWARDED

GRANT COUNTY, Wash.—Joslin & McAllister, Spokane, at $18,979 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for surfacing about 3.7 miles of State Rd. No. 7, Quincy-Soap Lake Revisions, Unit 1 of Federal Public Works Project No. 4168, in Grant County, involving about 9,790 cubic yards of crushed stone, etc.

Triangle Const. Co., Spokane, submitted second low bid at $20,215. The bids were opened March 20.

CONTRACT AWARDED

MASON COUNTY, Wash.—Independent Asphalt Paving Co., Seattle, at $21,443 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for stockpiling about 10,940 cu. yds. of crushed stone (oil rock) for 9.8 miles of State Road No. 9, Junction State Road No. 14 to Lilliwaup, Federal Public Works Project, in Mason County.

AWARD

GRAYS HARBOR COUNTY, Wash. —Homer G. Johnson, Portland, at $13-170 awarded contract by the Director of Highways, L. V. Murrow, Olympia, for stockpiling about 7,410 cu. yds. of crushed stone surfacing and oil rock for about 14.2 miles of State Road No. 9, Oakville to Elma, Federal Public Works Project, in Grays Harbor Co.

The bids were opened March 13.

BIDS WANTED

SAN LUIS OBISPO CO., Cal.—Until April 4, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, San Luis Obispo, for constructing curb and gutters in San Luis Obispo County in the City of Arroyo Grande between Nelson St. and the east end of the bridge across Arroyo Grande Creek (V Slo-2-Ar.Gd.), about 1,036 lin. ft. of portland cement curbs and gutters to be constructed.

Plans obtainable from above office. L. H. Gibson, district engineer.

CONTRACT AWARDED

ARCADIA, Los Angeles Co., Cal.—Sharp and Fellows Contr. Co., Central Building, Los Angeles, has been awarded contract for grading the race track on the site of the horse racing plant to be erected in Arcadia for the Los Angeles Turf Club. Lindgren and Swinerton, Pacific Mutual Bldg., Los Angeles, are the builders of the plant; Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect.

AWARD

MERCED COUNTY, Cal.—Von Der Hellen & Pierson, Castaic, at $153,769 awarded contract by State Highway Commission, Sacramento, for grading and surfacing about 3.3 miles with bituminous treated gravel or stone road mixed, in Merced County.

AWARD RECOMMENDED

TEHAMA COUNTY, Cal.—Tiffany Constr. Co., 535 N. Seventh St., San Jose, at $37,377.20 recommended for award of contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section E and placing subgrade reinforcement on Section E and portions of Sections A, B, C, and D, of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama County.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SIERRA CO.—Grade and Surface Forest Highway—(Govt.)

SIERRA COUNTY, Calif. — Central States Contr. Co., Ltd., 344 High St., Oakland, at $159,984.30 submitted low bid to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, for grading and placing crushed gravel subgrade reinforcement on Section A of Route 27, the Sierraville-Hobart National Forest Highway, Tahoe National Forest, in Sierra County. Complete bids follow:

(A) Central States Contr. Co., Ltd., Oakland, $159,984.30.
(B) Fredrickson & Watson and Fredrickson Bros., Oakland, $165,867.75.
(C) Hemstreet and Bell, Marysville, $170,687.80.
(D) C. R. Adams, Piedmont, $176,-015.50.
(E) Gist & Bell, Arcadia, $182,685.90.
(F) Engineer's estimate, $143,219.50.

Unit quantities were:

(1) 172,000 cu. yds. unclass. excav.;
(2) 1,950 cu. yds. do for struc.;
(3) 233,000 sta. yds. overhaul;
(4) 24,000 tons subgrade reinf.;
(5) 1,500 tons supplemental do;
(6) 51,500 gals. liquid asph. road material;
(7) 0.5 MFBM untreated timber;
(8) 394 cu. yds. Class A concrete;
(9) 58 cu. yds. Class B concrete;
(10) 37,400 lbs. reinf. steel;
(11) 624 lin. ft. 8-in. CGMP (asphalt dipped);
(12) 1212 lin. ft. 18-in. do;
(13) 1464 lin. ft. 24-in. do;
(14) 348 lin. ft. 36-in. do;
(15) 84 lin. ft. 8-in. perf. do;
(16) 530 lin. ft. 12-in. perf. do;
(17) 710 lin. ft. 15-in. do;
(18) 415 cu. yds. crushed gravel or rock backfill;
(19) 44 each type A spillway inlets;
(20) 68 each right of way monuments;
(21) lump sum—demolish and dispose of existing bridge;
(22) extra work—additional clearing;
(23) extra work—maintain exist. road.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .52	$ .58	$ .58	$ .60	$ .60	$ .40
(2)	1.50	1.25	1.25	1.50	1.50	1.50
(3)	.01	.01	.03	.02	.02	.01
(4)	1.25	1.25	1.20	1.20	1.50	1.45
(5)	1.25	1.25	1.20	1.20	1.40	1.30
(6)	.10	.05	.07	.08	.08	.07
(7)	100.00	100.00	125.00	100.00	120.00	90.00
(8)	25.00	25.00	25.00	30.00	30.00	30.00
(9)	25.00	25.00	25.00	30.00	29.00	30.00
(10)	.06	.05	.05	.07	.06	.07
(11)	1.10	.90	1.00	1.00	1.00	1.00
(12)	2.00	1.80	1.80	2.00	2.00	1.75
(13)	2.75	2.70	2.75	3.00	2.60	2.50
(14)	5.00	5.00	5.50	5.00	5.00	4.50
(15)	1.10	1.00	1.05	1.00	1.00	1.00
(16)	1.75	1.20	1.40	1.40	1.50	1.20
(17)	2.00	1.40	1.80	1.75	1.75	1.40
(18)	2.00	3.75	3.00	3.00	3.00	2.50
(19)	30.00	15.00	15.00	15.00	15.00	15.00
(20)	3.00	3.00	3.00	3.00	3.00	3.00
(21)	100.00	200.00	200.00	25.00	150.00	100.00
(22)	100.00	100.00	100.00	100.00	100.00	100.00
(23)	800.00	800.00	800.00	800.00	800.00	800.00

All bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $11,850 submitted low bid to State Highway Commission, Sacramento, for widening a portion of the I Street Bridge across Sacramento River in Sacramento, involving:

(1) 100 cu. yds. existing concrete to be removed and disposed of;

(2) 50 cu. yds. structure excavation;

(3) 1 lot existing struc. steel remove, refabricate and re-erect;

(4) 30,500 lbs. new struc. steel;

(5) 9,000 lbs. bar reinf. steel;

(6) 135 cu. yds. Class F Port. cement concrete;

(7) 1 lot existing railing altered and relocated;

(8) 1 lot lighting equipment relocated;

(9) 1 lot misc. items of work.

Complete bids follow:

(A) M. A. Jenkins, Sacramento, $11,-850.

(B) Lord & Bishop, Sacramento, $11,-950.

(C) Campbell Constr. Co., Sacramento $13,250.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 12.00	$ 10.00	$ 12.75
(2)	2.50	2.00	2.25
(3)	1000.00	1500.00	2325.00
(4)	.12	.12	.115
(5)	.06	.06	.07
(6)	25.00	30.00	32.00
(7)	600.00	600.00	870.00
(8)	300.00	200.00	90.00
(9)	1050.00	300.00	120.00

COMPANY OFFICERS' QUARTERS — HAMILTON FIELD

HAMILTON FIELD, Marin Co., Cal. —Meyer Const. Co., 727 Portola Drive, San Francisco, at $68,495 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the construction of seven one-story bungalow type, hollow tile company officers' quarters (type H) at Hamilton Field.

Following total bids received:

(A) Meyer Const. Co., San Francisco, $68,495.
(B) Azevedo & Sarmento, Sacramento $75,985.
(C) Young & Horstmeyer, San Francisco, $76,400.
(D) Frank J. Reilly, San Francisco, $76,931.
(E) William Spivock, San Francisco, $77,735.
(F) San Francisco Const. Co., S. F., $79,610.
(G) De Luca & Son, San Francisco, $80,800.
(H) Leibert & Trobock, San Francisco $81,914.
(I) Robert Roy, Fairfax ,$84,000.
(J) C. L. Wold, San Francisco, $84,840.

Unit quantities follow:

(1) job complete;
(2) if one and not to exceed two bldgs. (Type H-1) are added or omitted;
(3) if one and not to exceed two bldgs. (Type H-2) do;
(4) if one and not to exceed two bldgs. (Type H-3) do;
(5) excavation (unclass.) per cu. yd.;
(6) overhaul (beyond free haul of 300 ft.) per sta. yd.;
(7) concrete, Type A (includ. forms) per cu. yd.;
(8) concrete, type B do;
(9) reinforcing steel, per ton;
(10) common brick (in place) per M.;
(11) 4-in. wall tile (in place) per sq. ft.;
(12) 8-in. do;
(13) linoleum floors (installed) per sq. ft.;
(14) insulation board, per sq. yd.;
(15) concrete steps (one riser and one tread, including reinf. steel, in place) per lin. ft.;
(16) tile stair treads, per lin. ft.;
(17) quarry tile (for floors) in place, per sq. ft.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$68,495.00	$75,985.00	$76,400.00	$76,931.00	$77,735.00	$79,610.00	$80,800.00	$81,914.00	$84,000.00	$87,840.00
(2)	9,775.00	10,855.00	11,000.00	10,550.00	11,150.00	11,372.00	11,300.00	11,700.00	12,000.00	12,260.00
(3)	9,850.00	10,855.00	11,250.00	10,550.00	11,100.00	11,582.00	11,500.00	11,966.00	12,300.00	12,862.00
(4)	9,775.00	10,855.00	11,100.00	10,550.00	11,050.00	11,692.00	11,400.00	11,788.00	12,120.00	12,635.00
(5)	.30	.60	.50	.70	.35	1.00	1.00	.50	.75	2.00
(6)	.01	.02	.20	.01	.04	.03	.03	.02	.01	.50
(7)	13.00	14.00	12.00	16.00	16.00	15.50	15.00	13.50	12 00	14 00
(8)	13.00	14.50	13.00	18.00	16.50	17.50	20.00	18.00	18.50	16.00
(9)	90.00	84.00	83.00	84.00	80.00	82.63	90.00	80.00	82.00	90.00
(10)	40.00	40.00	40.00	35.00	40.00	55.00	40.00	40.00	42.00	35.00
(11)	.20	.18	.20	.22	.20	.18	.20	.18	.21	.20
(12)	.40	.36	.35	.40	.32	.37	.40	.35	.40	.30
(13)	2.00	1.25	2.00	2.00	2.00	1.55	2.00	2.00	1.75	1.80
(14)	.60	.50	.50	.50	.60	.58	.65	.90	.76	.60
(15)	1.00	1.50	1.00	3.00	1.50	1.00	1.10	1.50	1.25	1.00
(16)	1.00	1.00	2.00	1.00	1.00	.90	.95	1.25	1.75	1.20
(17)	.90	.70	.75	.75	.75	.75	.75	1.00	.85	.80

LOS ANGELES COUNTY — 1 Mile Paving — (State)

LOS ANGELES COUNTY, Cal.—Oswald Bros., 266 E 58th St., Los Angeles, at $75,930.25 (asphalt concrete alternate) and $83,960.50 (Portland cement concrete alternate) submitted low bid to State Highway Commission, Sacramento, for paving about one mile with asphalt concrete and Portland cement concrete in Los Angeles Co. between West Channel Road and California Ave., involving:

(1) 51 sta. clear and grub right of way;
(2) 62,000 cu. yds. rdwy. excav., unclassified;
(3) 530 cu. yds. struc. excavation;
(4) 30,000 sq. yds. subgrade preparation;
(5) 7,300 sq. yds. asph. paint binder;
(6) 5,200 tons asph. conc. base leveling and Type A surf. courses exclusive of central 40-ft. width from Sta. 0 plus 01 to Sta. 38 plus 00;
(7) 100 tons Type B asph. concrete surface;
(8) 830 cu. yds. Class A Portland cement conc. curbs, gutters and sidewalks;
(9) 92 cu. yds. Class A Port. cement conc. struc.;
(10) 4 cu. yds. Class A Port. cement concrete railing;
(11) 3,000 lbs. bar reinf. steel struc.;
(12) 11,200 lbs. misc. iron and steel structures;
(13) 450 lin. ft. 24-inch centrifugally cast concrete pipe;
(14) 85 cu. yds. concrete remove from existing pavement, curbs, gutters and sidewalks and dispose of;
(15) 51 sta. finishing roadway;

Alternate A—(Asphalt Concrete)

Central 40-ft. strip, Sta. 0 plus 01 to Sta. 38 plus 00;

(16) 7,000 tons asph. conc. base leveling and Type A surf. courses;

Alternate B—(Portland Cement)

(17) 3,150 cu. yds. Class A Portland cement concrete pavement;
(18) 79,000 lbs. bar reinf. steel pave.;
(19) 105 cu. yds. conc. removed from existing pave. and disposed of, strip 1-ft. wide;
(20) 120 bbls. light fuel oil subgrade treatment;
(21) 20 tons asphaltic road oil subgrade treatment.

Total bids follow:

(A) Oswald Bros., Los Angeles, (Alt. A) $75,930.25; (Alt. B) $83,960.50.
(B) Griffith Co., Los Angeles, $81,370.25; $87,534.75.
(C) Dimmitt & Taylor, Los Angeles, $84,418.00; $89,992.00.
(D) Sander Pearson, Santa Monica, $82,234.50; $90,864.50.
(E) United Concrete Pipe Corp., Los Angeles, $86,738.00; $94,318.00.
(F) P. J. Akmadzich, Los Angeles, $111,740.00; $122,998.75.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 9.00	$ 3.00	$ 2.50	$ 5.00	$ 20.00	$ 10.90
(2)	.32	.35	.335	.35	.39	.50
(3)	1.50	1.00	1.75	1.00	.70	1.55
(4)	.08	.11	.09	.10	.10	.13
(5)	.02	.02	.03	.02	.02	.03
(6)	3.00	3.30	3.40	3.20	3.50	4.65
(7)	3.50	3.55	3.50	3.20	3.60	6.25
(8)	11.00	10.50	15.00	13.50	12.00	13.75
(9)	25.00	18.00	20.00	18.00	16.00	18.75
(10)	60.00	100.00	80.00	75.00	40.00	62.50
(11)	.042	.04	.05	.05	.05	.06
(12)	.08	.08	.08	.10	.07	.13
(13)	3.00	3.30	3.20	4.50	3.50	4.00
(14)	3.25	1.25	3.00	2.50	3.00	3.10
(15)	2.00	3.00	3.00	5.00	5.00	7.50
Sub total	54,620.25	56,875.25	60,278.00	59,514.50	61,888.00	78,725.00
ALTERNATE A (Asphalt Concrete)						
(16)	3.00	3.45	3.40	3.20	3.50	4.65
Sub total	75,930.25	81,370.25	84,418.00	82,234.50	86,738.00	111,740.00
ALTERNATE B (Portland Cement Concrete)						
(17)	7.87	8.20	7.84	8.50	8.80	12.20
(18)	.042	.04	.047	.045	.045	.05
(19)	3.25	3.50	5.00	4.00	3.00	6.25
(20)	2.10	2.10	2.00	1.50	3.00	2.50
(21)	22.00	35.00	18.00	14.00	16.00	31.25
Sub total	83,960.50	87,534.75	89,992.00	90,864.50	94,318.00	122,998.75

(NOTE): Alternate A sets forth the necessary item for the construction of the central 40-ft. width of pavement from Station 0 plus 01 to Station 33 plus 00 with asphalt concrete. Alternate B sets forth the necessary items for the construction of the same area with portland cement concrete. The contract may be awarded on the basis of constructing the said portion of either type at the option of the Department of Public Works.

PIPE

BLACK AND GALVANIZED, BUTT WELD, LAP WELD AND SEAMLESS; ALSO BRASS BEVELLED OR THREADED AND COUPLED

PIPE FITTINGS, MALLEABLE, CAST IRON, BRASS, FORGED STEEL AND SEAMLESS FITTINGS BEVELLED

IRON, BRONZE AND FORGED STEEL VALVES

HARD RUBBER, HARD LEAD AND LEAD LINED ACID-RESISTING VALVES, PIPE AND FITTINGS

Petroleum Equipment Company

REFINERY AND INDUSTRIAL SUPPLIES

17th and Connecticut Sts., San Francisco — Market 3463

BIDS OPENED

KINGS COUNTY, Cal. — Southern California Roads Co., 2145 E. 25th St., Los Angeles, at $167,952.60 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 7.5 miles between Hanford and Easterly Boundary in Kings County, involving:

(1) 24,250 cu. yds. rdwy. excav. unclass.;
(2) 768,000 sta. yds. overhaul;
(3) 40,200 cu. yds. import. borrow;
(4) 2160 cu. yds. struc. excav.;
(5) 25 cu. yds. conc. in exist. pavement and strucs. to be removed and disposed of;
(6) 4250 sq. yds. prep. subgrade for pavement;
(7) 83,200 sq. yds. asphaltic paint binder;
(8) 30,250 tons asphalt concrete;
(9) 633 lin. ft. 12-in. standard reinforced concrete pipe;
(10) 1755 lin. ft. 18-in. standard reinf. concrete pipe;
(11) 330 lin. ft. 24-in. standard reinf. concrete pipe;
(12) 315 cu. yds. Class A Port. cem. conc. strucs.;
(13) 26,300 lbs. bar reinf. steel strucs.
(14) 2400 M. gals water;
(15) 850 lin. ft. laminated timber guard rail;
(16) 60 each timber culvert markers;
(17) 12.5 miles exist. property fence to be removed and reset;
(18) 5200 bbls. heavy fuel oil;
(19) 7.5 miles preparing mixing and shaping shoulders;
(20) 394 stations finishing roadway;
(21) 37 each monuments.

Complete bids follow:

(A) Southern Calif. Roads Co., Los Angeles, $167,952.60.
(B) Union Paving Co., San Francisco, $169,229.
(C) Basich Bros., Torrance, $171,193.
(D) A. J. Raisch Co., San Jose, $181,192.20.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .25	$ .20	$ .30	$ .20
(2)	.055	.001	.005	.005
(3)	.37	.30	.40	.30
(4)	.60	1.00	1.00	.75
(5)	4.00	2.50	3.00	3.00
(6)	.11	.10	.10	.08
(7)	.02	.02	.02	.015
(8)	3.60	3.80	3.50	4.00
(9)	1.20	2.00	1.00	2.00
(10)	2.00	2.50	2.00	2.90
(11)	3.00	3.00	3.00	4.50
(12)	17.00	18.00	20.00	15.00
(13)	.05	.05	.04	.045
(14)	1.20	.60	1.00	1.00
(15)	1.00	1.00	1.00	1.00
(16)	2.00	3.00	2.00	3.00
(17)	200.00	200.00	200.00	250.00
(18)	1.50	1.80	2.00	2.00
(19)	350.00	300.00	400.00	450.00
(20)	5.00	5.00	5.00	5.00
(21)	2.00	3.00	3.00	3.00

BIDS OPENED

BONNEVILLE, Ore.—Cannon Bros., Compton, Calif., at $11,525 submitted low bid to the U. S. Engineer, Portland, March 19, for the foundation and drilling at the Bonneville dam site.

Complete bids follow:

(A) Cannon Bros., Compton, Calif., $11,525.
(B) Diamond Drill Contr. Co., Spokane $11,650.
(C) Lynch Bros., Seattle, $12,450.

Unit quantities follow:

(1) overburden drilling in river, 600 ft.
(2) do on land, 900 ft.;
(3) core drilling in river, 400 ft.;
(4) do on land, 600 ft.;
(5) cement drilling or reaming, 100 ft.;
(6) core recovered, 700 ft.

	(A)	(B)	(C)
(1)	$3.00	$4.75	$4.50
(2)	5.00	4.75	5.50
(3)	4.50	3.50	3.40
(4)	4.50	3.50	3.40
(5)	.25	1.50	1.00
(6)	1.00	1.25	1.00

BIDS OPENED

SANTA CLARA COUNTY, Cal.—L. C. Casstedt, Watsonville, at $6800 submitted low bid to the Department of Public Works, Division of Highways, at the office of the District Engineer, Room 211, State Bldg., San Francisco, for grading 0.4 mile in Santa Clara County, between San Felipe and Bell Station, involving 40,000 cu. yds. roadway excavation. Complete bids follow:

(1) per cu. yd. for excavation;
(2) total.

L. C. Casstedt, Watsonville, (1) $0.17; (2) $6800.
L. Conner, Monterey, (1) $0.228; (2) $9120.
Contules Constr. Co., San Francsico, (1) $.28; (2) $11,200.
Ritchie and W. E. Constedt, San Jose, $0.28-1/25; (2) $11,300.
Meyer-Rosenberg Co., San Francisco, (1) $0.29; (2) $11,600.
J. Raisch, San Francisco, (1) $0.29; ((2) $11,600.
V. H. Hauser, Oakland, (1) $0.30; (2) $12,000.
Rocca & Caletti, San Rafael, (1) $0.30; (2) $12,000.
Garcia Constr. Co., Irvington, (1) $0.29 (2) $12,400.
Granite Constr. Co., Watsonville, (1) $0.31½; (2) $14,500.

BIDS OPENED

BOULDER CANYON, Nevada—Bids for furnishing 1,500,000 bbls. Portland cement for the Boulder Canyon Project, Spec. No. 566, were opened March 5 by the Bureau of Reclamation, Denver, Colo. Bids were taken as follows:

(1) 1,500,000 bbls. Portland cement (low-heat);

(2) 1,500,000 bbls. do. (Govt. Spec. No. SS-C-191), Alt. to item (1).

The bids were:

Riverside Cement Co., Southwestern Portland Cement Co., Monolith Portland Cement Co. and California Portland Cement Co., bidding jointly. (1) $1.49; (2) $1.43, f.o.b. mills.

Calaveras Cement Co., (1) $1.55; (2) $1.50; f.o.b. Kentucky House, quoting 200,000 bbls.

Union Portland Cement Co., Denver, quoting 100,000 bbls of (1) $1.2644 f.o.b. Devil's Slide, Utah; (2) $1.2044, f.o.b. mills (150,000 bbls.); 30,000 bbls. from Salt Lake mill and 120,000 bbls. from Devil's Slide mill. 20

RIVERSIDE COUNTY—24.3 Mi. Grade and Oil—(State)

RIVERSIDE COUNTY, Cal.—Fredrickson & Watson, 873 81st Ave., Oakland at $456,438.30 submitted low bid to State Highway Commission, Sacramento, for grading about 24.3 miles and treating the central portion of the roadbed with fuel oil between Indio and Shavers Summit in Riverside County, involving:

(1) 698,000 cu. yds. roadway excav. unclass.;
(2) 2,114,000 sta. yds. overhaul;
(3) 218,000 cu. yds. ditch and channel excav.;
(4) 17,500 cu. yds. selected material;
(5) 11,150 cu. yds. struc. excav.;
(6) 19,200 M gals. water;
(7) 3816 lin. ft. 24-in. CMP;
(8) 2132 lin. ft. 30-in. CMP;
(9) 1392 lin. ft. 36-in. CMP;
(10) 1198 lin. ft. 48-in. CMP;

(11) 134 lin. ft. 90-in. multi plate metal pipe;
(12) 910 lin. ft. laminated timber guard rail;
(13) 180 each timber guide posts;

(14) 128 each culvert markers;
(15) 190 cu. yds. rubble masonry;
(16) 14 200 bbls. fuel oil;
(17) 1283.8 sta. preparing surface and mix. and shaping oiled material;
(18) 84 .F.B.M. untreat. Douglas fir timber;
(19) 100 M.F.B.M. creosoted Douglas fir timber 10-lb. treatment;
(20) 192 M.F.B.M. creosoted Douglas fir timber 8-lb. treatment;
(21) 410 M.F.B.M. redwood timber dense select all-heart struc. grade;
(22) 315 M.F.B.M. redwood timber select all-heart struc. grade;
(23) 28,780 lin. ft. furnish creosoted Douglas fir piles;
(24) 5600 lin. ft. furnish redwood piles
(25) 1160 each driving piles;
(26) 64,500 lbs. struc. metal;
(27) 1340 lin. ft. bank protection fence
(28) 1267 stations finishing rdwy.;
(29) 615 monuments complete in place

Completed bids follow:

(A) Fredrickson & Watson, Oakland, $456,438.30.
(B) Jahn & Bressi, Los Angeles, $518,538.90.
(C) United Concrete Pipe Corp., Los Angeles, $534,243.
(D) Bechtel Co., San Francisco, $546,286.30.
(E) Macco Constr. Co., Clearwater, $571,048.20.
(F) Griffith Co., Los Angeles, $615,712.60.

	(A)	(B)	(C)	(D)	(E)	(G)
(1)	$ .22	$ .28	$ .34	$ .27	$ .27	$ .395
(2)	.005	.005	.006	.006	.025	.005
(3)	.12	.20	.235	.20	.20	.24
(4)	.64	.50	.55	.90	1.00	1.00
(5)	1.00	.75	.70	1.40	1.00	.60
(6)	1.00	1.00	.40	2.50	2.00	1.00
(7)	2.45	2.40	3.00	3.00	2.60	3.00
(8)	3.15	3.30	4.00	4.00	3.20	4.00
(9)	4.80	5.20	6.00	5.40	4.85	5.00
(10)	8.00	8.60	8.00	9.00	9.30	8.00
(11)	29.40	25.00	30.00	32.00	27.00	25.00
(12)	1.00	1.00	1.00	1.00	1.10	1.00
(13)	2.25	3.00	2.00	2.00	2.00	1.50
(14)	1.80	2.50	2.00	2.00	2.00	1.50
(15)	9.60	7.00	3.00	10.00	20.00	10.00
(16)	1.80	2.00	1.70	1.80	1.70	2.00
(17)	10.00	9.00	10.00	8.50	7.50	7.00
(18)	85.00	62.70	56.00	74.00	65.00	65.00
(19)	83.00	79.20	71.50	83.00	75.00	85.00
(20)	83.00	82.50	74.00	83.00	83.00	85.00
(21)	83.00	85.25	76.00	83.00	83.00	90.00
(22)	83.00	80.30	71.00	78.00	80.00	85.00
(23)	.72	.54	.50	.54	.52	.60
(24)	60	.52	.50	.48	.50	.60
(25)	9.00	16.00	12.00	13.00	16.00	15.00
(26)	.095	.08	.09	.08	.065	.06
(27)	4.80	5.00	4.00	3.00	3.60	4.00
(28)	4.80	10.00	3.00	5.00	5.00	8.00
(29)	3.00	4.00	2.00	3.00	3.00	3.00

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending March 29:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Los Angeles Co. (County Supervisors	Bridge, Siphon Road, Los Angeles	Creighton, Inc., Los Angeles	$ 31,653.29	March 6
Seattle (Board of Public Works)	Pre-cast concrete slabs, Railroad Ave. Project	General Const. Co. Seattle	$ 8,570.00	March 6
Sonoma County	Bridge over Dry Creek	Frank Bryant, S. F.	$ 29,577.00	March 13
Shasta County (Board of Supervisors)	Hospital, Redding	N. H. Sjoberg & Son, San Francisco	$ 55,300.00	March 16
Philip Bush (% Calif. Packing Corp., San Francisco, private)	Terminal Improvements, Alameda, Calif.	A. W. Kitchen & Co., San Francisco	$136,366.00	March 17
Los Angeles Board Pub. Works	Street improvement	Los Angeles Paving Co., Los Angeles	$ 45,018.16	March 22
Santa Clara County Supervisors	2.0 miles grade and surface	Earl W. Heple, San Jose	$ 40,576.70	March 26

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IN THIS ISSUE

Contractors Win Injunction On Sales Tax

Coast Permits Total $6,558,777

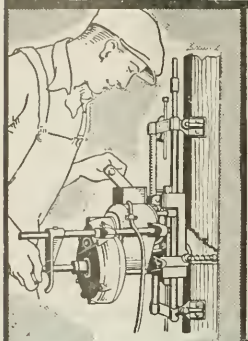
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

Vol. XVII—No. 14

APRIL 7, 1934

WAPPAT Electric TOOLS



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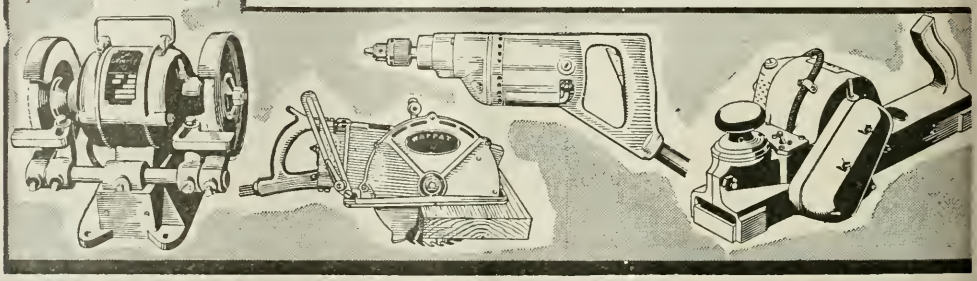

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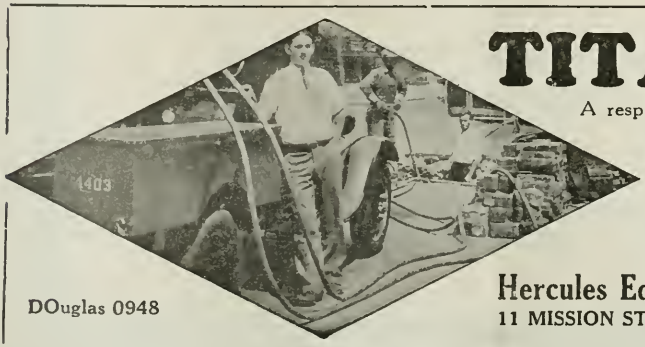

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CODE DIRECTORY OF WHOLESALERS TO BE COMPILED

Lumber Authority Plans Identification of Distributors Entitled to Discounts

A practical "Who's Who" among wholesale distributors of lumber and timber products is considered a probable result from action of the National Control Committee of the Lumber Code Authority, reported yesterday designed to deny wholesale discounts from manufacturers' established minimum cost-protection prices to certain groups of distributors.

Designating the National American Wholesale Lumber Association as the agency of the Lumber Code Authority, the committee has directed that association to invite each bona fide wholesaler, as defined in the Lumber Code, to file with it under oath a statement to the effect that his principal business is selling at wholesale to "wholesalers, retailers and recognized wholesale trade," and that he "will not seek, accept or keep any portion of a wholesale discount on any purchase for resale to others than said recognized wholesale trade." Each affidavit will include a declaration by the maker to the effect that he will "faithfully observe all requirements of the said code which apply" to him "as a wholesaler."

A list of the names and addresses of those executing these affidavits will be compiled and published by the Authority not later than April 15. After publication of this list all manufacturers and others subject to the jurisdiction of the Lumber Code will be prohibited from granting wholesale discounts to any buyer not on the list unless the buyer submits with his order a similar affidavit covering the individual transaction.

FIVE BIDS ON ALSEA BRIDGE

PORTLAND, Ore., April 5.—Five bids were received today by the Oregon State Highway Commission for construction of the Alsea Bay bridge at Waldport. There was a differential of less than one thousand dollars between the two low bids. Following are the complete total bids.

Lindstrom & Feigenson, Parker & Banfield and T. H. Banfield, Portland, $685,040; Northwest Roads Co., Portland, $685,930; Teufel & Carlson, Seattle, $701,345; Gilpin Const. Co., Portland, $774,900; Mercer-Fraser Co., Eureka, Cal., and Geo. G. Cooke, Detroit, Mich., $863,175.

Alameda Building Bonds Approved By Three to One

Alameda County voters Tuesday approved a $1,712,000 bond issue for the construction of a new county court house after having voted twice on the project. The issue was defeated at an election last December .

Complete, unofficial returns from the 506 precincts in the county on tbe bond issue, showed 42,126 for and 14,535 against. The vote was light.

Votes were cast also on the selection of a site, three sites being up for approval. Site number two won. This is in the area bounded by Twelfth, Oak, Thirteenth and Fallon streets, where a county civic center has been planned. The vote for this site was 25,571.

Site number one, tbe present court house site, received 18,578 votes and site number three, at East Tenth street and Third avenue, received 3952 votes.

MARCH BUILDING TOTAL HIGHEST IN PAST YEAR

Coast Permits Exceed Any Month of 1933; Gain Widespread

Pacific Coast Building permit totals continued their upward trend in March, aggregating $6,558,777 for a representative group of citles in seven states and exceed the total for any single month of 1933.

Moderate improvement is shown in municipal and state totals from all sections reporting in the monthly survey

The comparatively high total of permits issued indicates a spread of building activity that is more significant than the larger dollar value.

The largest single permit of the month was issued in Vancouver, Washington, for a grain elevator to cost $1,000,000. The elevator is being constructed for the Spokane, Portland & Seattle Railway Co.

The city of Alameda issued a permit for $220,000 to Alaska Packers for terminal improvements on the Alameda waterfront. The San Francisco total includes an item of $151,000 for the Ft. Mason pier shed.

The ten leading cities ranked by totals as follows:

Los Angeles	$1,340,402
Vancouver, Wash.	1,011,215
San Francisco	680,403
Oakland	366,823
Portland	302,435
Beverly Hills	287,500
Alameda	239,180
Long Beach	223,470
San Diego	155,944
Palo Alto	128,400

Reclamation Bureau Control Of Grand Coulee Is Approved

The Bureau of Reclamation has assumed full control of the Grand Coulee project and it will be constructed and operated by the government, Public Works Administrator Harold L. Ickes announced in Washington this week.

PWA previously had approved Grand Coulee as a project of the state of Washington, subject to contract between the United States and the state of Washington. An original allotment of $63,000,000 was made for construction, subject to a satisfactory agreement with the state. Subsequently PWA reduced the allotment to $15,000,000, also subject to a satisfactory contract.

These allotments were made on a basis of secured loan of 70 per cent of the cost of construction with a federal grant of 30 percent of the cost of labor and materials. The allotment was to the state of Washington or a public body to be created by the state to own and operate the dam and power plant. The construction was to be supervised by the Reclamation Bureau because of the experience that bureau had in such construction.

Representations made concerning the state's ability to fulfill conditions of the allotment did not materialize because of constitutional, legislative and legal difficulties. Therefore the project will become entirely a government development with title to the dam and control over the distribution and sale of power resting in the government.

Considerable preliminary work already has been done under the supervision of the Bureau of Reclamation. More than 500 men are now engaged in removing the overburden at the dam site. When operations reach a peak more than 4,000 men will be employed directly on the project.

The number of men employed will be increased materially within a few months with the award of contracts for the dam and the bridge. Plans for the bridge have been prepared by the State of Washington under the supervision of the Bureau of Reclamation. Bids will be called for within a few days. Plans for the $40,000,000 dam are prepared in the Denver office of the Bureau and bids will be called for by May 1. The appraisal and purchase of lands to be flooded is under way.

The Grand Coulee dam and power plant are to be constructed at a point on the Columbia river about 22 miles north of Almira on the Northern Pacific Railroad and 75 miles west of Spokane. Plans for the initial development of the project provide for a dam 335 feet high and a power plant with eight generating units with an installed capacity of 700,000 horsepower.

The dam will create a lake in the river about 50 miles long extending to a point about opposite Fruitland. Preliminary design of the dam is based on a multiple arch dam across the river section and up the right abutment approximately 2,330 feet long, and a mass concrete gravity section on the left side of the river and left abutment 1,100 feet long, with a total length of 3,430 feet. A spillway 1,900 feet long will occupy the river section of the multiple arch portion of the dam. It will have a discharge capacity of 1,000,000 second-feet.

The power plant will be constructed a sufficient distance downstream from the gravity section of the dam so that the dam may be raised eventually without interfering with the power plant. It is proposed to install eight generating units of 65,000-kilowatt capacity each, making a total installation of 520,000-kilowatts, or 700,000 horsepower. The annual production of electrical energy would amount to 2,200,000,000 kilowatt-hours of firm energy and 500,000,000 kilowatt-hours of secondary energy.

ONLY BID ON SEWER REJECTED

MONTEREY, April 3.—W. J. Tobin, 3701 Balfour avenue, Oakland, submitted the only bid received by the Monterey city council tonight for construction of an outfall sewer and intercepting sewers. Tobin's bid was $112,899, exceeding the available funds by such an amount that the council immediately rejected it.

The city has available $64,500 in bond money voted for the project and a grant of 30 percent of the cost of labor and materials estimated at $22,000 from the Public Works Administration. Councilmen did not indicate what procedure might be taken to complete the project.

NEW GROUPS IN INDUSTRY RECEIVE CODES

Chapter IV and V Approved For Elevator Mfgs. and Cement Gun Contractors

Codes of fair competition for two divisions of the Construction Industry, Chapter IV, of the basic code, Elevator Manufacturers, and Chapter V, Cement Gun Contractors, became effective April 1.

The text of the code for the elevator industry is published today. The text of the cement gun contractors code will be published tomorrow.

In his letter of transmittal of Chapter IV, Administrator Hugh S. Johnson said:

"According to the statistical analysis of the Division of Research and planning, the total production of this division of the construction industry has decreased from $103,500,000 in 1929 to $21,200,000 in 1933. Employment has fallen from 20,000 in 1929 to 11,000 in 1933.

"It is reasonable to predict that the establishment of uniform rates of pay and hours of work and the prohibition of unfair trade practices will be beneficial to this industry as well as to the employees and the consumer."

Approval of the code for the Cement Gun Contractors, according to General Johnson, is expected to increase employment in this division by twenty-five per cent.

His report stated:

"The volume of work performed ranged from $7,000,000 in 1928 to $10,000,000 in 1930. The number of employes ranged from 2,000 in 1928 to 3,000 in 1931. Volume of work performed in 1931 and 1932 was $7,000,000 and $6,000,000 respectively. Employes for these years numbered 3,000 and 2,000 respectively. It is safe to say, that with the prohibition of unfair trade practices, and the establishment of minimum rates of pay and maximum hours of work that more wholesome conditions will take form in this industry and that employers, employees and a part of the public will be benefitted."

POUR CONCRETE IN GATE BRIDGE FENDER SECTION

Engineers Report Satisfactory Progress in Completion of Pier Unit

Actual construction of the south pier fender of the Golden Gate Bridge was well on its way yesterday with the announcement by the district engineers that the concrete pour for the first main fender section unit was completed shortly before 1 a. m. Tuesday.

Divers employed by the Golden Gate Bridge and Highway District's inspection bureau made a thorough check of the work completed and reported it to be satisfactory in every detail.

With the first fender section unit in place and concreted, preparations were under way for sinking the steel form for the second unit, which will be placed on top of the first at an approximate elevation of -82. It is anticipated that this form will be in place and ready for the resumption of the concrete pour by Wednesday.

When this unit has been concreted two more units will be added, bringing the fender section to an elevation of -33, at which point the access trestle will be extended so that its outermost supporting bents will rest on the fender section.

Working from this point and using the first section as a guide, the next main section wil be built, the work continuing until the entire fender wall has been completed to the point where the steel and concrete pier caisson can be floated into position.

Chief Engineer Joseph B. Strauss who inspected the fender work expressed his belief that with the continuation of the present ideal weather conditions the job will progress rapidly and that within a comparatively few weeks the fender will appear above water.

Meanwhile work on the caisson is going ahead at the Moore Drydock company plant so that it will be in readiness to be towed to its final resting place when the work on the fender has reached the proper point.

Orders for steel furniture, including fireproof safes and lockers for the months of January and February, 1934, totaled $2,082,929, as compared with $1,000,979 for the two months in 1933 and $1,717,913 for 1932, according to figures reported to the Department of Commerce.

FOUR BIDS ON BRIDGE CONTRACT

SACRAMENTO, April 4—Low bid for construction of a timber bridge across Dolan creek, Monterey county, was submitted by Rocca & Caletti, San Rafael, to the State Highway Commission today. The contract was the only one on which bids were scheduled this week and the bid was $67,881.00.

Other bids were:

Bodenhamer Const. Co., Oakland, $76,452; Alfred H. Vogt Co. Inc., San Francisco, $77,642; M. B. McGowan Inc., San Francisco $88,466.

BIDDING RULES ANNOUNCED BY ELECTRICAL ASSN.

Members Will Make Estimate Only on Specific Invitation

In a letter addressed to architects and general contractors the San Francisco Contractors Association yesterday directed attention to four rules established by the association membership for estimating work.

The letter, signed by Charles A. Langlais, president, follows:

"The members of the San Francisco Electrical Contractors Association, Inc., come under the provisions of the Construction Industry Code and are going to observe the rules and regulations of that Code.

"Certain provisions of that Code are herewith brought to your attention as being particularly important:

"No. 1: No member of the above Association will furnish bids to any General Contractor later than twenty four- (24) hours prior to the closing time set for the General Contractor to submit his bid to the awarding authority.

"Please put your plans out in time to permit an estimate to be made and still comply with the above.

"No. 2: No member of the above Association will submit estimates on plans, or projects where there is no uniformity of information.

"No. 3: Under the provisions of the above Code, it is required that bidders be invited to submit proposals. No member of our Association will submit a proposal, unless he has received a written invitation, or the bid taker has notified the office of our Association that he desires the proposals of our members on any given project.

"Use of a publicity medium is not recognized as an invitation to bid.

"No. 4: A copy of all proposals must be, by law, filed with the bid depository.

"This last requirement is being fulfilled by our membership."

S. F. BUILDERS WIN INJUNCTION ON SALES TAX

Federal Court Crants Temporary Order Restraining Collection of Levy

Five contractors who are contesting the right of the state to collect a sales tax on materials used in construction of Federal projects yesterday won a temporary injunction relieving them of payment of taxes due April 15 for the first quarter.

A three-judge Federal court, which heard arguments on the action a week ago, granted the contractors relief during the pendency of the proceedings. Decision on a permanent injunction may be delayed several months.

Attorney Norman A. Eisner who represents the plaintiffs, said the tax relief extended only to the five contractors who joined in the petition. They are Meyer Construction Co., Pacific States Construction Co. K. E. Parker, Frank J. Reilly and Robert E. McKee.

Each of them has one or more major contracts at Hamilton Field where the Army is constructing a bombing base. The contracts involved, aggregate approximately $2,000,000.

The petition for a permanent injunction asks that the state be enjoined from collecting taxes on materials (a) sold in Hamilton Field, as in the case of ready-mixed concrete; (b) purchased outside the state and delivered at the field; (c) purchased within the state for delivery at the field.

The plaintiffs contend that sales consummated within the limits of the field are beyond the jurisdiction of the state authorities, that sales from dealers outside California are in interstate commerce and therefore not subject to state taxation, and third, that sales within the state which are taxed are in effect a tax lexy on the federal government and therefore unconstitutional.

The case was heard by Judge Curtis Wilbur of the Circuit Court of Appeals, and District Judges A. F. St. Sure and Harold Louderback.

Orders boked for malleable castings in the first two months of 1934 totalled 69,095 tons, nearly three times the volume of the first two months in 1933, according to reports to the Department of Commerce. Producers operated at 40.1 per cent of capacity in February, compared with 35.8 in January.

STEEL FLOORING LOAD TESTED BY FEDERAL BUREAU

Welded Plate Design Developed by Institute Engineers Examined

Under the title of "Behavlor of Flat Steel-plate Floor Under Loads" the March, 1934 issue of the Technical News Bulletin, issued by the Bureau of Standards, U. S. Department of Commerce, says:

Although it is often claimed that building construction has not progressed as rapidly as other forms of engineering, considerable attention has been given during recent years to applying methods which have proved successful for other structures to the construction of residences and commercial buildings.

The American Institute of Steel Construction, Inc., has developed a type of floor known as the battledeck floor. It consists of steel I-beams to which flat steel plates are welded along the middle of the upper flange. In cooperation with the Institute a loading test was made at the Bureau on one battledeck floor to measure its strength, and to determine whether the floor behaved as a unit when loads were applied. This floor, having a span of 18 feet, consisted of 4-inch 7.7-lb/ft rolled steel I-beams spaced two feet apart. These beams supported rolled steel plates having a width of two feet and a thickness of ¼-inch. Electric arc welds joined the plates and the I-beams along the middle of the upper flange of each beam.

The floor was loaded with pigs of cast iron, and strain-gage and deflection readings were obtained for live loads up to 200 lbs/ft.2. The load was then increased to 420 lb/ft2 with no indication of collapse.

The strain gage and deflection readings gave no indication that this floor did not behave as a unit when loads were applied. There was no visible indication that the welds either ruptured or deformed permanently.

Provided the spacing of the beams does not exceed 100 times the thickness of the plate, this test indicates that for ordinary spans the entire width of the plate may be assumed effective when designing a flat steel-plate floor of the type described. A more complete account of this work will be published as RP662 in the March number of the Journal of Research.

STEEL BOOKINGS BELOW AVERAGE

Although the bookings of fabricated structural steel in February were not up to the volume of the previous month nor to the volume of the last quarter of 1933, the total was 14 percent larger than for the same month last year, reports the American Institute of Steel Construction. The February bookings, however, were 18 percent less than the bookings for January and 8 percent less than the average monthly bookings of the last quarter of 1933.

February shipments were 18 per cent less than the shipments of January and 19 percent less than the shipments of February, 1933. This leaves tonnage ahead of future fabrication in a volume approximately 17 percent larger than this time last year.

These figures are based upon reports received from shops representing 83 percent of ths industry.

REPORT GRANITE PLANT FOR MADERA

Granting of an application for a spur track extension in Madera by the Madera county board of supervisors this week was regarded in that city as a move toward establishment of a granite finishing plant there by the Kingsland Granite Co.

The company has a sub-contract for furnishing granite for the San Francisco federal office building. Originally it was reported the finisbing plant would be located near Clovis, Fresno county. At the offices of William A. Hubbard, western executive of the company, in Fresno, it was said no final decision had been made. The company's quarry is near Bates station, Madera county.

SAN FRANCISCO MARCH PERMITS TOTAL $680,403

Slight Increase Over Volume In Other Months Indicated

San Francisco building permits for the month of March totaled $680,403, according to the report of William H. Worden, director of public works.

Comparative figures for March, 1933, and for February, 1934, are $548,231 and $492,802. The number of permits issued also shows an increase compared with the same months. Permits for March total 442; March, 1933, 343; February, 1934, 319.

The month of March shows no increase in residential building in the city. The volume remains at minimum levels. There were 26 permits issued for dwellings, the same number as in February. The value is placed at $167,760, compared with $159,090 in February.

Alteration permits gained in March over February both in number and cost. The total was $230,982 in March, compared with $196,480 in the previous month.

Comparative totals in the principal classifications for March and the corresponding month a year ago follows:

	March, 1934		March, 1933	
Class.	Pmts.	Cost	Pmts.	Cost
A	...	$ ...	2	$160,000
B	...	...	...	...
C	5	27,507	1	11,000
Frames	26	167,760	59	174 905
Alter.	404	230,982	277	154,075
Public	5	101,750	2	35,882
State	...	.	1	1,639
Govt.	2	152,404	1	10,730
Total	442	$680,403	343	$548,231

EASTBAY ENGINEER POSTS ARE FILLED

R. C. Kennedy has been appointed assistant chief engineer and assistant general manager of the Eastbay Municipal Utility District under John S. Longwell, new chief engineer and general manager who succeeded Frank W. Hanna. Mr. Kennedy has been chief designing engineer.

J. D. DeCosta, who for several years has been sanitary engineer, has been appointed engineer in charge of the distribution division.

Phone TRinity 0241 for — Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
656 S. Los Angeles St. Los Angeles, Calif.

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four weeks period ending April 5:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Navy Dept. (Bureau of Yards & Docks)	Steel radio towers, Summit, C. Z., Lualualei, Oahu, T. H.	U. S. Steel Prod. Co., Washington, D. C.	$528,750.00	March 12
War Dept. (Dist. Engr., Seattle	Dredging, Olympia Harbor, Seattle	Tacoma Dredging Co., Tacoma	$105,814.00	March 12
U. S. Bur. Public Roads, Dist Engineer, San Francisco	Overpass, approaches, etc., Modoc County	A. F. Anderson, Sacramento	$ 10,898.70	March 13
Navy Dept. (12th Naval Dist.)	Road Improvement (Naval Air Station) Sunnyvale	A. J. Raisch, San Jose	$ 5,415.00	March 13
Bur. of Reclamation, Denver	Gates and Valves, Boulder Canyon	Hardie-Tynes Mfg. Co. Birmingham, Ala.	$500,000.00	March 13
U. S. Bur. Public Roads, Dist. Engineer, San Francisco	Grading, El Dorado County	S. H. Palmer, S. F.	$130,933.00	March 14
War Department (Dist. Engr., Portland)	Tramway, Portland	Kuckenberg-Wittman, Portland	$ 32,640.00	March 15
Treasury Department	U. S. Assay Office Repairs, Boise Idaho	Smythe & Co., Washington, D. C.	$ 14,774.00	March 17
Bureau of Reclamation, Casper, Wyoming	Canal Headworks Struc. & Tunnel No. 1, Sch. No. 1, Casper-Alcova Project, Wyo.	Utah Const. Co., Ogden, Utah	$225,990.00	March 17
Bureau of Reclamation, Casper, Wyoming	Earthwork and Struc., (Tunnel No. 2) Sched. No. 2, Casper-Alcova Project, Wyo.	J. A. Terteling Sons, Boise, Idaho	$ 89,000.00	March 17
Bureau of Reclamation, Casper, Wyoming	Tunnel No. 2, Sched. No. 3, Casper-Alcova Project, Wyo.	Edw. Peterson, Omaha, Nebraska	$293,000.00	March 17
U. S. Bureau of Public Roads (Dist. Engr., San Francisco)	Surfacing, Washoe County, Nevada	L. G. Kip, Sacramento, Calif.	$ 30,954.10	March 19
Department of Justice (Bureau of Prisons, Washington, D. C.)	Steam turbine, generator wiring etc., Alcatraz Island, S. F.	Enterprise Elec. W'ks San Francisco	$ 22,260.00	March 19
Department of Justice (Bureau of Prisons, Washington, D. C.)	Gasoline engine, emergency generator, Alcatraz Island, S. F.	Le Roi Co., Milwaukee, Wis.	$ 4,716.00	March 19
U. S. Bureau of Public Roads (Dist. Engr., Portland)	Bridges, Wallowa Co., Oregon	J. F. Johnston, Newberg, Oregon	$ 17,678.00	March 19
Bur. of Reclamation, Spokane, Washington	Piers, Spokane, Wash.	Western Const. Co., Seattle	$180,177.40	March 20
U. S. Bureau of Public Roads, Juneau, Alaska (Chief Engr.)	Concrete Piers, Juneau	Alfred Dishaw, Juneau	$ 50,514.00	March 21
War Department	Pier shed, Fort Mason	K. E. Parker Co., San Francisco	$151,100.00	March 23
Navy Department	Machine & electric shop cranes, Bremerton, Wash.	Judson-Pacific Co. San Francisco	$ 49,608.00	March 23
U. S. Bureau of Public Roads, San Francisco	Surfacing, Douglas, Ormsby and Washoe Counties, Nevada	J. A. Casson, Hayward	$106,086.20	March 23
U. S. Bureau of Public Roads, San Francisco	Grading, Clark County, Nevada	E. L. Yeager, San Bernardino	$ 50,671.24	March 23
U. S. Bureau of Yards & Docks, Navy Department	Boiler plant, Mare Island	R. G. Meyler Corp., Los Angeles	$ 31,700.00	March 24
U. S. Bureau of Public Roads, San Francisco	Grading, Mohave Co., Arizona	M. J. Bevanda, Stockton	$351,298.55	March 27
Navy Department	Berthing platforms, etc., San Diego	M. H. Golden, San Diego	$ 19,235.00	March 27
War Department	Laying railroad tracks, Ft. Mason	Fay Imp. Co., San Francisco	$ 18,800.00	March 24
Bur. of Yards & Docks, Washington, D. C.	Dredging, San Diego	Sparkes & McClellan, Newport Beach	$ 8,280.00	March 30
Benicia Arsenal, Quartermaster, Benicia	Generator set, Benicia Arsenal	Bennett & Taylor, Los Angeles	$ 12,578.00	March 31
War Dept., Washington, D. C.	Grade runways & extend drainage system, Benton Air Field.	J. Catucci, Oakland	$ 98,212.25	April 2
Bureau of Prisons, Washington, D. C.	Telephone exchange, Alcatraz Island	Automatic Electric Co. Chicago	$ 18,130.00	April 2

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending April 5:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Sonoma County	Bridge over Dry Creek	Frank Bryant, S. F.	$ 29,577.00	March 13
Shasta County (Board of Supervisors)	Hospital, Redding	N. H. Sjoberg & Son, San Francisco	$ 55,300.00	March 16
Philip Bush (% Calif. Packing Corp., San Francisco, private)	Terminal Improvements, Alameda, Calif.	A. W. Kitchen & Co., San Francisco	$136,366.00	March 17
Los Angeles Board Pub. Works	Street improvement	Los Angeles Paving Co., Los Angeles	$ 45,018.16	March 22
Santa Clara County Supervisors	2.0 miles grade and surface	Earl W. Heple, San Jose	$ 40,576.70	March 26
Los Angeles Board of Public Works	Street Improvement, Los Angeles	A. E. Pearson, Venice	$ 10,938.32	March 30
Beverly Hills City Council	Water line, La Cienga District, Beverly Hills	Fred W. Weber, South Gate	$ 7,873.50	March 30
Santa Cruz Portland Cement Co. San Francisco	Wharf, silo and packing house, Alameda	K. E. Parker Co., San Francisco	$150,000.00	April 3

STATE HIGHWAY AWARDS

Following are principal State Highway Construction Contracts (exceeding $10,000) awarded in the states of California, Arizona, Oreg on, Washington, Utah, Idaho in the four weeks period ending April 5:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Idaho Highway Commission	Surfacing, 4.038 miles, Fremont County	Triangle Const. Co., Boise, Idaho	$ 9,937.15	March 17
Idaho Highway Commission	Surfacing 9.541 miles, Power Co.	J. W. Brennan Co., Pocatello, Idaho	$ 20,500.08	March 17
Idaho Highway Commission	Surfacing 1.065 miles, Kootenai County	Wheeler & England, Moreland, Idaho	$ 29,951.25	March 19
California Highway Commission	8.1 miles grading and paving, Tulare County	Basich Brothers Const. Co., Torrance	$265,811.00	March 20
California Highway Commission	4.1 miles grading, Madera Co.	Yglesias Bros., Inc., San Diego	$131,357.00	March 20
California Highway Commission	Bridge, approaches, etc., Sacramento County	Lord & Bishop, Oroville	$126,319.00	March 20
California Highway Commission	2.2 miles grading and paving, Stanislaus County	Union Paving Co., San Francisco	$ 74,555.00	March 20
California Highway Commission	Overhead crossing, Los Angeles County	J. L. McClain, Los Angeles	$ 41,587.00	March 20
Arizona Highway Commission	Bridges and grading, Yuma-Gila Bend Highway	Rogers Bros. & Del E. Webb, Phoenix	$ 26,152.16	March 21
Arizona Highway Commission	Widening pavement, etc., Mesa	Arizona Sand & Rock Co., Phoenix	$ 24,636.31	March 21
Arizona Highway Commission	Box culverts and approaches, Phoenix - Yuma Highway	Vinson and Pringle, Phoenix	$ 8,833.64	March 21
Arizona Highway Commission	Base course, Prescott-Phoenix Highway	Pearson & Dickerson, Phoenix	$164,694.00	March 21
California Highway Commission	Grading and surfacing, Siskiyou County	Hemstreet and Bell, Marysville	$ 48,361.35	March 22
California Highway Commission	1 1 miles grading and surfacing, Kern County	Granite Const. Co., Watsonville	$ 27,339.50	March 22
Washington Highway Comm.	13.4 miles ballasting and surfacing, Grant County	Triangle Const. Co., Spokane	$ 92,467.00	March 22
Washington Highway Comm.	1.7 miles surfacing and stockpiling, Walla Walla County	H. C. Rogers & Sons, Dayton, Wash.	$ 17,170.00	March 22
Washington Highway Comm.	7.7 miles resurfacing, Pend Oreille County	Triangle Const. Co., Spokane	$ 15,881.00	March 22
Washington Highway Comm.	3.7 miles surfacing, Grant Co.	Joslin and McAllister, Spokane	$ 18,979.00	March 22
Washington Highway Comm.	9.8 miles stockoiling, Mason Co.	Independent Asphalt Paving Co., Seattle	$ 21,443.00	March 23
Washington Highway Comm.	14.2 miles surfacing and stockpiling, Grays Harbor Co.	H. G. Johnson, Portland	$ 13,710.00	March 23
California Highway Commission	3.3 miles grade and surface, Merced County	Von Der Hellen and Pierson, Castaic	$153,769.00	March 24
California Highway Commission	3.3 miles grade and pave, Ventura County	Oswald Bros., Los Angeles	$ 46,670.00	March 24
Oregon Highway Commission	1.65 mi. grade and pave, Clackamas County	Edlefsen - Weygandt Co., Portland	$149,922.00	March 24
Oregon Highway Commission	Bridge, Coos County	C. J. Montag, Portland	$ 38,990.00	March 24
Oregon Highway Commission	1.03 miles grade and surface, Lincoln County	Edlefsen - Weygandt Co., Portland	$ 54,397.00	March 24
Oregon Highway Commission	5.2 miles grading, Malheur Co.	S. H. Newell, Portland	$ 24,347.00	March 24
Idaho Highway Commission	8.15 miles surface, Jefferson and Madison Counties	J. C. Maguire & Olof Nelson, Logan, Utah	$ 87,579.50	March 24
California Highway Commission	Culverts, subways etc., Los Angeles County	C. Bongiovanni Const. Co., Hollywood	$ 58,888.00	March 26
Nevada Highway Commission	Reconstruct 20.02 miles highway Mineral County	George Pollock, Sacramento	$143,264.33	March 28
Nevada Highway Commission	Reconstruct 4.37 miles highway underpass & bridge Clark Co	Dodge Const. Co., Fallon	$125,886.39	March 28
Nevada Highway Commission	22.01 miles highway construction Clark and Nye Counties	Union Paving Co., San Francisco	$111,982.34	March 28
Nevada Highway Commission	Grade and surface, Ormsby Co.	Jack Casson, Hayward	$ 38,306.16	March 28
Nevada Highway Commission	13.5 miles surfacing, Lincoln Co.	U. B. Lee, San Leandro	$ 25,479.62	March 28
Nevada Highway Commission	Concrete bridge, Clark County	Silver State Const. Co. Fallon	$ 6,812.00	March 28
Washington Highway Comm.	Undercrossing and riprap, Spokane	Andrew Sather, Seattle	$ 53,984.00	March 29
Washington Highway Comm.	Trestle & approach spans, King County	West Coast Const. Co. Seattle	$ 44,000.00	March 29
Washington Highway Comm.	Bridge & approach spans, Lewis County	West Coast Const. Co. Seattle	$ 36,284.00	March 29
Washington Highway Comm.	1 mile paving approaches, King County	Northwest Const. Co., Seattle	$ 20,706.00	March 29
Washington Highway Comm.	13.7 stockpiling, Lincoln Co.	Mathieson Const. Co., Sunnyside, Wash.	$ 15,320.00	March 29
Washington Highway Comm.	71.8 miles stockpiling, Douglas, Grant and Lincoln Cos.	Standard Asph. Paving Co., Spokane	$ 54,057.00	March 29
California Highway Commission	.4 mile grading, Santa Clara Co.	L. C. Karstedt, Watsonville	$ 6,800.00	March 30
California Highway Commission	Grade and surface approaches Butte County	A. G. Raisch, S. F.	$ 12,441.00	March 30
California Highway Commission	Subway, drainage sys., pumping equipment, Alameda County	Healy - Tibbitts Const Co., San Francisco	$ 26,433.00	March 30
California Highway Commission	Widen 1 St. Bridge, Sacramento	M. A. Jenkins, Sacramento	$ 11,850.00	March 30
California Highway Commission	24.3 mile grading and treating, Riverside County	Fredrickson & Watson Oakland	$456,436.00	March 30
Oregon Highway Commission	12.2 miles surfacing, Umatilla County	Joplin & Eldon, Portland	$ 69,105.00	March 31
Oregon Highway Commission	Bridge, Tillamook County	W. W. McFarland, Canby, Oregon	$ 11,220.00	March 31

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
180	Bankers	Phoenix	3000
181	Tadwick	Doelger	3000
182	Meehan	Stalin	5000
183	Smith	Applebe	3000
184	Clark	Larsen	1000
185	Newberry	———	7000

SIDEWALK LIGHTS
(180) NO. 742 MARKET ST. Install sidewalk lights.
Owner—Bankers Investment Co., 742 Market St., San Francisco.
Architect—Not Given.
Contractor—Phoenix-Simpton Co., 520 6th St., San Francisco. $2000

STORE BLDG.
(181) S TARAVAL ST. 107 W 31st Ave. One-story frame store building.
Owner—A. M. Tadwick, 387 Eddy St., San Francisco.
Contractor—Henry Doelger, 320 Judah St., San Francisco. $3000

DWELLING
(182) N TWENTIETH ST. 255 W Church St. One-story and basement frame dwelling.
Owner—M. Meehan, 975 Valencia St., San Francisco.
Architect—Not Given.
Contractor—G. O. Stalin & Co., 2020 Taraval St., S. F. $5000

ADDITION
(183) 80 SANTA MONICA Way; addition to dwelling.
Owner—C. W. Smith, 80 Santa Monica Way.
Architect — Henry H. Gutterson, 526 Powell Street.
Contractor—Frank G. Applebe, 2405 Acton St., Berkeley. $3000

ADDITION
(184) W MAIN 183 N Mission Street. Add to offices and warehouse.
Owner—J. A. Clark.
Architect—Albert H. Larsen.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco. $1000

ALTERATIONS
(185) NO. 2664 MISSION ST. Alter and rebuild store.
Owner—J. J. Newberry Co., 2662 Mission St., San Francisco.
Architect—Norstrom & Anderson, 608 Transamerica Bldg., Los Angeles.
Contractor—Not Selected. $7000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
151	Harwood	Harwood	8000
151	Hall	Owner	1000
153	Westwood	Owner	1000
154	Giacconi	Kolmodin	1500
155	S F Sulphur	Owner	4000
156	Laughlin	Coats	2600

DWELLING
(156) NO. 714 CRESTON ROAD, **BERKELEY.** One-story 4-room frame dwelling and garage.
Owner—W. D. Laughlin, Tamalpais Road, Berkeley.
Architect—Not Given.
Contractor—Phillip L. Coats, 971 Hillcroft Circle, Oakland. $2600

DWELLING
(151) NO. 1921 OAKVIEW DRIVE, **OAKLAND.** Two-story 7-room dwelling.
Owner—Grace S. Harwoood, 3514 Lyon Ave., Oakland.
Architect—Not Given.
Contractor—Wm. P. Harwood, 3514 Lyon Ave., Oakland. $8000

REPAIRS
(152) NO. 350 THIRTY-FIFTH ST., **OAKLAND.** Fire repairs and alterations.
Owner—F. M. Hall, 350 35th St., Oakland.
Architect—Not Gven. $1000

FINISH BUILDING
(153) 4506-08 MONTGOMERY Street, **OAKLAND;** finish building.
Owner and Contractor—Chas. Westwood, 3807 Clarke St., Oakland.
Architect—Not Given. $1000

ALTERATIONS
(154) NO. 4044 EDWARDS ST., **OAKLAND.** Alterations and addition.
Owner—Ray Giacconi.
Architect—Not Given.
Contractor — Harry Kolmodin, 2610 62nd Ave., Oakland. $1500

FACTORY
(155) NO. 836 HEINZ ST., **BERKELEY.** One-story one-room type C factory.
Owner—San Francisco Sulphur Co., Ninth and Heinz Sts., Berkeley.
Engineer—Henry E. Howard. $4000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
39	Tadwick	Doelger	3300
40	S. P. Co.	Dinwiddie	4308
41	S. P. Co.	Duncanson	2205
42	Lubinsky	Greenberg	2315

STORE BLDG.
(39) S TARAVAL ST. 107-6 W 31st Ave. W 25xS 100 OL 1166. All work for one-story store building.
Owner—Anthony M. Tadwick, 387 Eddy St., San Francisco.
Architect—Not Given.
Contractor—Henry Doelger, 320 Judah St., San Francisco.
Filed Mar. 29, '34. Dated Mar. 29, '34
Roof on $825
Brown Coat plaster on..... 825
Building completed 825
Usual 35 days..... 825
TOTAL COST, $3300
Bond, none. Limit 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(40) THIRD AND CHANNEL STS. (Grocers Terminal Bldg.) All work for alterations to warehouses Nos. 2 and 3 (Sussman, Wormser & Co.)
Owner—Southern Pacific Co., 64 Market St., San Francisco.
Architect—Not Given.
Contractor — Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
Filed Mar. 30, '34. Dated ——.
End of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4308
Bond, $4308. Surety, U. S. Guarantee Co. of New York. Limit, 45 days. Forfeit, none. Plans and specifications filed.

REPAIR WHARF
(41) FOOT OF HYDE ST. All work for repairing wharf at or near the terminal of Ferries Company.
Owner—Southern Pacific-Golden Gate Ferries, Ltd., 64 Market St., San Francisco.
Architect—Not Given.
Contractor—Duncanson-Harrelson Co., deYoung Bldg., San Francisco.
Filed April 2, '34. Dated Mar. 30, '34.
At close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2205
Bond, $2205. Surety, Pacific Indemnity Co. Limit, 14 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(42) NO. 1456 WALLER ST. Alterations to dwelling, new stairs, stucco, remodel second story, complete installation of bathroom and kitchen, etc.
Owner—Mrs. M. Lublinsky, Prem.
Architect—Not Given.
Contractor——Charles Greenberg, 3118 23rd St., San Francisco.
Filed April 2, '34. Dated April 1, '34.
House raised 3 to 4 ft.....$700
Rough plumbing completed..... 700
Usual 35 days..... 765
TOTAL COST, $2315
Contract only filed.

BUILDING CONTRACTS
ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
26	Cardinet	Moore	13848

FACTORY
(26) TWENTY-SECOND AND MARket Sts., Oakland. All work for one-story brick and steel Class C factory building.
Owner—Cardinet Candy Co.
Architect—Wm. Edward Schirmer, 700 21st St., Oakland,
Contractor—J. J. Moore Co., 354 Hobart St., Oakland.
Filed Mar. 27, '24. Dated Mar. 23, '34.
Steel frame erected.....$1900
Brick work erected..... 2250
Roof on, rough electric wiring done 3000
Wnen completed 3236
Usual 35 days..... 3642
TOTAL COST, $13,848
Bond, $13,848. Surety, Pacific Indemnity Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

REINFORCE water tank, $500; 241 Battery St.; owner, Eastman Kodak Co., Premises; contractor, Howard L. Nigler, 608 Indiana St.
ALTER apartments, $500; 191 5th Ave. owner, Mrs. B. Wilson, Premises.
OPEN storage water tank, $270; 923 Harrison St.; owner, Wine Products Co., Premises.
ALTER apartments, $200; 2618 Greenwich St.; owner, G. Viale, 2618 Greenwich St.
ALTER store, $175; 2792 Mission St.; owner, H. Waltman, 1072 McAllister St.; contractor, General Woodwork Co., 643 McAllister St.
SIGN, electric, $150; 1310 Stockton St.; owner, Gino Baffa, 1310 Stockton.
SIGN, electric, $200; 391 29th St.; owner, R. Angisay, 391 29th St.; contractor, Brumfield Elec. Sign Co., 965 Folsom St.
SIGN, electric, $200; 12 Mission St.; owner, Anchor Inn, 12 Mission St. contractor, Brumfield, 965 Folsom
STUCCO flats, $100; 2469-2475 Bryant St.; owner, James Orri, 2033 22nd
ALTER store, $200; 52 Turk St.; owner, Zellerbach Levison Co., 465 California St.
SIGN, metal, $80; 1301 Van Ness Ave. owner, James F. Waters, 590 Van Ness Ave.; contractor, De Vaux Sign Co., 552 McAllister St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Construction Started

APARTMENTS Cost, $18,000
SACRAMENTO, Sacramento Co., Cal. Riverside Blvd. N Fremont Way.
Two - story frame and stucco apartment building (18 apts.)
Owner & Builder—Wm. Murcell, 2015 23rd St., Sacramento.
Plans by Owner.

Construction Postponed Indefinitely.

APARTMENTS Cost, 35,000
SAN FRANCISCO. S Pacific Ave. 60 E Gough St.
Three-story and basement frame and stucco apartments (6 3-room and 6 2-room apts.) composition roof, gas steam heating plant, tiled baths, hardwood floors, wall beds, electric refrigeration, etc.)
Owner and Builder—Louis D. Stoff, 26 Montgomery St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

2— BONDS

BONDS FOR SALE

OAKLAND, Alameda Co., Cal.—Until April 12, 9 P. M., bids will be received by the Oakland City Council for the sale of harbor bonds in the amount of $204,000 to finance construction of the new terminal warehouse at Outer Harbor, Oakland.

BONDS SOLD

SAN JOSE, Cal.—Bankamerica Co. submitted high bid to San Jose City Council and was awarded a block of $375,000 in municipal improvement bonds, the proceeds of which are to be used in construction of a municipal auditorium. Following bids were received for the bonds:

Bankamerica Co.—$300,000 @ 3¾% and $75,000 @ 3½% plus $19 premium.

Harris Trust & Savings Bank, Chicago—(1) $300,000@3¾%, $75,000@3½%, plus $10 premium; (2) $375,000@3¾%, plus $2524 premium.

American Trust Co. — $375,000@3¾%, plus $388 premium.

Blyth & Co.—$375,000@3¾%, plus $257 premium.

First National Bank, San Jose—$255,000 @ 4%, $120,000 @ 3½%, plus $1088.85.

Dean Witter & Co.—$220,000 @ 4%, $155,000@3½% ,plus $56 premium.

Weeden & Co.—$250,000@4%, $125,000@3½%.

Bank of California—$225,000@4%, $150,000@3½%.

R. H. Moulton & Co. — $225,000@4%, $150,000@ 2½%.

San Jose National Bank—$165,000@4%, $210,000@3¾%.

National City Bank, New York—$225,000@4%, $120,000@3½%.

3— CHURCHES

Sub-Contracts Awarded

CHURCH Cost, $7000
RICHMOND, Contra Costa Co., Calif. 36th St. and Macdonald Ave.
One-story frame and stucco church (88x35 ft.) contain four classrooms 2-car garage and five-room apt.) auditorium to have seating capacity of 200.
Owner—Church of Christ.
Architect—Not Given.
Contractor—F. C. Hosking, 541 Civic Center, Richmond.
Plumbing—G. Dahl, Richmond.
Concrete—Levaggie Bros., Richmond.
Roofing—L. A. Jenks, Richmond.
Painting—Lamble and Lamble, Richmond.
Electric—Pacific Electric Co., Richmond.
Lumber—El Cerrito Lumber Co., El Cerrito.
Plastering—A. Thorn, Richmond.

Construction Postponed Indefinitely.

AUDITORIUM Cost, $——
SAN FRANCISCO. Oakdale Avenue.
One-story and mezzanine floor auditorium for All Hallows' Church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St.
Architect—J. J. Foley, 770 Fifth Ave., San Francisco.
Low Bidder — Moore & Roberts, 693 Mission St., at $21,700.

4— FACTORIES & WAREHOUSES

BIDS OPENED

INDIAN WELLS, Kern Co., Cal.—D. A. Loomis, 676 W. Salem St., Glendale, submitted low bid to Department of Public Works, Division of Highways, March 30, at $4672, for the erection of maintenance station buildings in Kern County. Homestead Maintenance Station, Indian Wells, near Inyokern, consisting of one standard truck shelter, 30x60 feet; one standard gasoline and oil house, and one septic tank and leaching field. The work comprises excavation, concrete and masonry, carpentry and mill work, sheet metal work, painting, glazing, plumbing and electrical work. Other bids were: Norman F. Barber, Los Angeles, $4686; C. I. Summer, Lone Pine, $4961.

Contract Awarded

ADDITION Cost, $1000
SAN FRANCISCO. W Main St. 183 N Mission Street.
Addition to offices and warehouse.
Owner—J. A. Clark.
Architect—Albert H. Larsen, 2671 16th Avenue.
Contractor—H. H. Larsen, 64 South Park Street.

PLANNED

Fill Contract Awarded

TANKS, ETC. Cost, $——
RICHMOND, Contra Costa Co., Calif. Parr Terminal.
Construction of two or three tanks for lubricating oil, filling, etc.
Owner—Withheld.
Lessorr—Parr Terminal Co., 1 Drumm St., San Francisco.
Fill—E. H. Higgins, 2 Sixth St., Richmond, $850.00.

Further details will be announced shortly.

Sub-Contracts Awarded

ADDITION Cost, $——
EMERYVILLE, Alameda Co., Cal. No. 4343 San Pablo Avenue.
One-story mill type addition to factory (masonry, brick work, sheet metal etc.; 50x100 feet).
Owner—Oliver Tire & Rubber Co., 4343 San Pablo Ave., Emeryville.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—Fred J. Early, 1629 Telegraph Ave., Oakland, and 369 Pine St., San Francisco.
Brick — Herschel & Reinecke, 2830 Mountain Blvd., Oakland.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Miscellaneous Iron—Independent Iron Works, Ltd., 821 Pine St., Oakland.

April 5, 1934

To Ask Bids Shortly.

WINERY Cost, $50,000
LODI, San Joaquin Co., Cal. Haight Station.
Construct winery anl cooperage (750,000 gallon capacity).
Owner—Bear Creek Vineyard Assn. (L. K. Marshall, Gottfried Handel, Joseph Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Not Given.

CONTRACT AWARDED

LAS VEGAS, Nev.—Harrison Stocks, Las Vegas, awarded contract for the erection of a bottling works and cold storage plant on North Main St., Las Vegas, for the Cocoa - Cola Bottling Works, C. C. and E. O. Underhill, proprietors. The building will be a 1-story, L-shaped structure, 94x64 feet in area, with concrete block walls, composition roofing, cold storage rooms loading platform, etc.

Commissioned to Prepare Plans.

LOS ANGELES, Calif.—Austin Company of California, 777 E. Washington Blvd., has been commissioned to design and construct an addition to the Crown Willamette Paper Company's plant at 2945 E. Twelfth St. The first unit of the addition will be a one-story, reinforced concrete structure, 80x200 feet in area. Another unit, 70x200 feet, will probably be built upon completion of the first unit. The additional space will be devoted to the manufacture of paper bags.

Sub-Contracts Awarded.

ADDITION Cost, $——
EMERYVILLE, Alameda Co., Cal. No 4343 San Pablo Avenue.
One-story mill type addition to factory (masonry, brick work, sheet metal
Owner—Oliver Tire & Rubber Co., 4343 San Pablo Ave., Emeryville.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—Fred J. Early, 1629 Telegraph Ave., Oakland, and 369 Pine St., San Francisco.
Brick Work — Herschel & Reinecke, 830 E-11th St., Oakland.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Miscellaneous Iron — —Independent Iron Works, 821 Pine St., Oakland.

To Be Done By Day's Work.

PLANT Cost, $——
MARTINEZ, Contra Costa Co., Cal.
Construct alcohol plant.

Owner—Shell Oil Co., Shell Bldg., San Francisco, and Martinez.
Plans by Engineering Dept. of Owner.

Plans Being Revised.
COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Cal. Waterfront.
Three-story cotton compress (divided into area separated by brick firewalls, size varying from 28,000 sq. ft. to 50,000 sq. ft.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director, in charge), City Hall.
A slight revision is being made in the plans and bids will be asked in about two weeks.

Work Started.
REMODEL PLANT
FRESNO, Fresno Co., Cal. Tuolumne Street.
Remodel dairy and ice cream plant (installation of new boiler, new rooms and machinery for ice cream manufacture, new equipment, etc.)
Owner—Borden Co., 1950 Naoml Ave., Los Angeles (T. O'Sullivan, Gen. Manager).
Plans by Engineering Dept. of Owner.

Planned.
PLANT Cost, $——
ORLAND, Glenn Co., Cal.
Construct new casein plant.
Owner—Golden State Creamery (K. A. Stanton, Mgr.), Orland.
Architect—Not Given.

Contracts Awarded.
WHARF, SILOS, ETC. Cost, $——
ALAMEDA, Alameda Co., Cal. Foot of Webster Street.
Concrete wharf, concrete silos and concrete packing house (wharf to accommodate boat 400 ft. long).
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Pile Driving—Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.

Bids Wanted—To Close April 9, 4:30 P. M.
FOUNDATIONS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Outer Harbor.
Concrete foundations for Rosenberg Warehouse (work involves driving 976 green piles, 31 to 35 feet in length; 680 cu. yds. concrete; 60 tons reinforcing steel).
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Plans and specifications available from above office.

To Be Done By Day's Work.
FACTORY Cost, $5000
BERKELEY, Alameda Co., Cal. No. 836 Heinz Street.
One-story Type C factory building.
Owner—San Francisco Sulphur Co., 9th and Heinz Sts., Berkeley.
Engineer—H. P. Howard, % Owner.

Contract Awarded.
CREAMERY Cost, $——
CHOWCHILLA, Madera Co., Cal.
One-story reinforced concrete creamery (43x116 feet); new machinery, etc.
Owner—Danish Creamery Assn. of Fresno.
Architect—W. D. Coates Jr., Rowell Bldg., Fresno.
Contractor—A. Jorgensen, 3728 Washington St., Fresno.

Plans Being Prepared.
WAREHOUSE Cost, $200,000
OAKLAND, Alameda Co., Cal. Outer Harbor.
Two-story reinforced concrete warehouse (518 x 103 feet); sprinkler system, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Department of Owner.
Lessee—Rosenberg Bros., Oakland.
Furthr details will be announced shortly.

Being Done By Day's Labor
SHEDS Cost, $——
SANTA CLARA, Santa Clara Co., Cal. Seventh and Jackson Streets.
Two corrugated iron packing sheds (250 feet).
Owner—Santa Clara Packing Co., (Albert Beall, Pres.) Santa Clara.
Architect — Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Work is being done by day's labor under the owner's supervision.

SUB-CONTRACTS AWARDED
LOS ANGELES, Calif.—Austin Co., 777 E Washington Blvd., reports that subcontracts for the construction of a factory addition at 3820 Union Pacific Ave., for the Continental Can Co. have been awarded as follows: Reinforcing steel to Graham Bros.; roofing to Patten-Blinn Lumber Co.; lumber to Woodhead Lumber Co. and Patten-Blinn Lumber Co.; steel sash to Truscon Steel Co.; metal doors to Richmond Fireproof Door Co.; sprinkler system to Viking Automatic Sprinkler Co.; sheet metal to Emil Brown and Co.; electric wiring to H. W. Parson; fence to Anchor Post Fence Co. of California; ready-mixed concrete to Consolidated Rock Products Co.; steel forms to Steelform Contracting Co. Francisco & Jacobus, New York City, architects.

PLANS BEING FIGURED
SANTA BARBARA, Cal.—Johnston Fruit Co., Quinientos and Salispuedes Sts., Santa Barbara, is taking bids for an addition to the company's lemon storage warehouse in Santa Barbara. It will be a one-story structure, 105x 116 feet in area, with concrete footings, wood frame walls, steel columns, wood roof trusses, stucco exterior, composition or Transite roofing, wood floors, etc. The following contractors have been invited to submit bids: Andrew McDonough, 34 Howard Canfield Bldg., Santa Barbara; Chas. M. Urton, 18 N. Calle Alamo, Santa Barbara; R. D. Patterson; J. H. Hendy, General Delivery, Carpinteria; Andrew C. Jensen, 220 E. Figueroa St., Santa Barbara; D. H. MacQuiddy, 716 State St., Santa Barbara. E. Keith Lockard, 117 E. Del la Guerra, Santa Barbara, architect.

Sub-Contracts Awarded
FACTORY Cost, $14,000
OAKLAND, Alameda Co., Calif.
One - story and basement frame and brick factory.
Owner—Cardinet Candy Company.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—J. J. Moore, 354 Hobart Street, Oakland.
Plastering—Wm. Makin, 2151 Lexington Ave., Oakland.
Plumbing—Carl T. Doell, 467 21st St., Oakland.

PLANNED
LOS ANGELES, Cal.—Co-operative Automobile League; Earl G. Bleg, President, Seaboard National Bank Bldg., Dunsmuir Ave. and Wilshire Blvd., proposes establishing a chain of automobile service stations in Los Angeles and vicinity, work on the first to be started in about two weeks and fifty stations to be built within a year. They will be steel and glass structures.

Contract Awarded
IMPROVE CANNERY Cost, $25,000
ALVISO, Santa Clara Co., Calif.
Improvements to Bayside Cannery (structure will be raised 3 ft.)
Owner—Bayside Cannery, Alviso.
Architect—Not Given.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.

PLANNED
SAN MATEO, San Mateo Co., al.—County and City Planning Commission will meet shortly to discuss plans for a county auditorium to be centrally located in San Mateo County. Chas. MacDonald, Secretary of the planning commission. Further details will be announced shortly.

Contract Awarded.
BREW HOUSE Cost, $7000
SAN FRANCISCO. E Juniper St., 100 N Bryant Street.
One-story steel and concrete mash house.
Owner — Milwaukee Brewery Co., 490 Tenth St., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
J. D. Christian, 512 Brannan Street, awarded contract for constructing conveyor, elevator and hopper in connection with above project.
As previously reported, grains tank awarded to acific Coast Boiler Works, 235 Main Street.

Planned.
DISTILLERY Cost, $300,000
STOCKTON, San Joaquin Co., Cal. Roberts Island Road and San Joaquin River.
Construct new distillery.
Owner—Hormovita Corporation (Victor Leonardini), 543 S-Sutter St., Stockton.
Architect—Not Given.
Further details will be announced shortly.

CONTRACT AWARDED
LOS ANGELES, Cal.—Walter Trepte, 211 Scripps Bldg., San Diego, awarded contract for remodeling and strengthening a building located at the corner of North Main St. and Antonia Ave., Los Angeles, for the Balboa Brewing Co. of San Diego. Mr. Trepte will start work immediately and is taking subcontract bids on concrete and brick work, plumbing, painting and all other building trades in connection with the improvements. The building, a three-story and basement, brick structure with a total floor area of about 45,000 square feet, will be strengthened and reconditioned to house a complete brewing plant. Plans were prepared by Wayne D. McAllister, Biltmore Hotel, Los Angeles. Mr. McAllister is taking bids for brewing equipment, refrigeration, power wiring and insulation.

5— FLATS

Construction To Start Shortly.
ALTER FLATS Cost, $——
SAN FRANCISCO. Hampshire Street.
Alterations to two-story frame building for flats (2 5-room flats).
Owner and Builder—C. Prefumo, 1220 Hampshire Street.
Architect—Not Given.

6—GARAGES & SERVICE STATIONS

Plans Being Completed
SERVICE STATION Cost, ——
SANTA CRUZ, Santa Cruz Co., Calif. Pacific Ave. and Carthcart St.
Super service station.
Owner — Gilmore Oil Co., Third and 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner. Bids will be asked in about 10 days.

Contract Awarded.
ALTERATIONS Cost, $1000
SAN FRANCISCO. No. 3065 Pacific Avenue.
Alterations to garage (new concrete walks and floor, etc.)
Owner—Mrs. Amanda Bergerot, Prem.
Architect — Fabre & Hildebrandt, 110 Sutter St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

Sub-Bids Wanted.
SERVICE STATION Cost, $3500
CONTRA COSTA COUNTY, Cal.
Steel service station (6 pumps).
Owner—Withheld.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Sub-bids are being taken on tanks, pumps, lifts, etc.

Contract Awarded.
SERVICE STATION Cost, $6000
SAN FRANCISCO. NE Taylor and Jefferson Streets.
One-story steel service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.

Sub-Contracts Awarded.
SERVICE STATION Cost, $6000
BERKELEY, Alameda Co., Cal. Shattuck and Ashby Avenues.
One-story brick service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Brick Work—Joe Devillers, 1424 12th Ave., Oakland.
Plumbing — Scott Co., 113 10th Street, Oakland.
Steel Frame—Herrick Iron Wks, 1729 Campbell Sts., Oakland.

7—FEDERAL BUILDING

BIDS WANTED
FRANCE FIELD, Canal Zone.—Until April 30 bids will be received by Army Department, Construction Division, Washington, D. C., for the construction of two barracks at France Field. Estimated cost, $269,922.

Plans Being Completed
UTILITY BLDG. Cost, $117,900
YOSEMITE VALLEY, Merced County.
One-story fireproof utility bldg. (concrete walls and floors, structural steel frame, hollow tile dividing walls).
Owner—United States Govt. (National Park Service).
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.
Plans will be completed about May 1st and whether bids will be asked or work done by day's labor is not determined at this time.

LOW BIDDER
SAN DIEGO, Cal.—Southwest Onyx & Marble Co., foot of Crosby St., San Diego, submitted low bid to 11th Naval District at $1555, for repairs to the marble work at the Naval Operating Base (Marine Corps Base), San Diego; Spec. No. 7647. Expo Stucco & Art Marble Co., San Diego, submitted the only other bid at $1604. Recommendation was made that the contract be awarded to the low bidder.

SUB-CONTRACTS AWARDED
FT. LEWIS, Wash.—Howard Wright Seattle, awarded the following subcontracts for the construction of an ordnance repair shop at Fort Lewis. Cost, $57,940:
Plumbing and heating to Advance Plumbing Co., Tacoma; structural steel to Wallace Bridge & Steel Co., Seattle; ornamental iron to Rainier Ornamental Iron Works; steel sash to Fentron Steel Works, Seattle; wiring to Maritime Elec. Co., Seattle; painting to Geo. Erickson, Seattle; thresholds to Chamberlin Weatherstripping Co., Seattle; hardware to Builders' Hardware & Supply Co.; steel door frames to Cummings - Johnston, Seattle; slate toilet partitions to A. P. Robinson; roofing to C. C. Clausen, Seattle; Kalamein doors to Portland Sheet Metal Co.; glass to W. P. Fuller; sheet metal to Ace Furnace and Steel Co., Tacoma; millwork to Builders' Lumber & Millwork Co.; steel deck to Truscon Steel Co.

BIDS OPENED
FORT STANTON, New Mexico—Kimball Bros., Council Bluffs, Iowa, at $5820 submitted low bid to Treasury Department for furnishing and installing elevator plant in the U. S. Marine Hospital, Fort Stanton, New Mexico. Following bids received:

Kimball Bros., Council Bluffs	$5820
Otis Elev. Co., Washington, D. C.	5924
Montgomery Elec Co., Moline, Ill.	6095
Haughton Elev. & Machine Co., Washington, D. C.	6244
Warner Elev. & Mfg. Co., Cincinnati, Ohio	7715
W. A. Miller Machine & Elevator Co., St. Louis, Mo.	7486
Westinghouse Elec. Mfg. Co., Chicago, Ill.	7739

Bids held under advisement.

Additional Prospective Bidders
PORT TOWNSEND, Wash.—Following are additional contractors who have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., on April 23rd for the construction of buildings, boat basin, etc., at Port Townsend, Wash.:
Teufel & Carlson, Skinner Building, Seattle, Wash.
C. C. Gawsey, 4077 Title & Trust Building, Seattle, Wash.

Contract Awarded.
SAN FRANCISCO — Westinghouse Electric Elevator Co., 166 7th St., at $1915 awarded contract by Public Wks. Branch, Treasury Department, for replacement of controllers and car switches on four passenger elevators in the U. S. Post Office, San Francisco.

SUB-CONTRACTS AWARDED
FT. LEWIS, Wash.—Howard Wright Seattle, awarded the following subcontracts for the construction of a drill hall at Fort Lewis. Cost $70,500:
Excavation, cement, sand and gravel to Holroyd & Co., Tacoma; structural steel to Pacific Car & Foundry Co., Seattle; lumber to St. Paul & Tacoma Lumber Co.; masonry to J. W. Rollinson, Seattle; reinforcing steel to Pacific Coast Steel Co., Seattle; brick to Seattle Brick & Tile Co.; steel rolling doors and safety treads to D. E. Fryer & Co., Seattle; wiring to Raymond Electric Co., Tacoma; finish hardware to Builders' Hardware & Supply Co., Seattle; sheet metal and roofing to Lincoln Sheet Metal Works, Tacoma; steel sash to Soule Steel Co., Seattle; stone to Walker Cut Stone Co., Tacoma; steel placing to M. A. Miller, Seattle; marble to A. P. Robinson, Seattle; plastering, Fred Stablert; toilet and shower partitions to Barclay Dean, Seattle; millwork to the Builders Lumber & Millwork Co., Tacoma; tile to Puget Sound Art Tile Co., Seattle; glass to W. P. Fuller.

FORT PECK, Montana— Until 12 o'clock Noon, April 23, blds will be received by the War Department, Office of the Division Engineer, Missouri River Division, U. S. Army Engineering Corps., 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of buildings included in group No. 2, consisting of a permanent administration building, permanent residences, temporary public buildings and industrial buildings, at the site of the proposed construction camp at Fort Peck Dam, approximately 25 miles southeast of Glasgow, Mont. Plans and specifications may be obtained from the Division Engineer at Kansas City upon deposit of a certified check or postal money order in the sum of $250, payable to the Disbursing Officer, U. S. Engineer Office, Kansas City, Mo. Theodore Wyman Jr., Assistant to the Division Engineer.

BIDS WANTED
ORANGE, Cal.—Bids are being received by the Custodian, Orange Post Office, for survey of site for the proposed new Post Office building in Orange.

BIDS WANTED
PORT TOWNSEND, Wash.—As previously reported, until April 23, 3 P. M., bids will be received by Treasury Department, Procurement Division of the Public Works Branch, Washington, D. C., for the construction of buildings, boat basin, etc., at the U. S. Quarantine Station, Port Townsend. Estimated cost, $250,000. Work includes:
Eleven buildings, all of frame construction and all to be built on creosoted wood piling foundations. They include: a 2-story residence, 42x40 ft. in ground area, for the officer in charge; 2-story junior officers' quarters, 30x65 ft.; married attendants' quarters, 2-stories, 55x36 ft.; a 1½-story detention hospital, 117x70 ft.; a disinfecting building, 1-story, 50x36 ft.; a 1-story storage building, 44x18 ft.; 1-story detention barracks, 132x104 ft.; a garage and shop building, 70x43 ft.; single attendants' quarters, 76x28 ft., with a 21x42 ft. wing; office building, 51x28 ft., and a fumigating supplies building, approx. 15x15 ft.
All exterior walls are to be of wood siding, roofs of asbestos shingles. Other materials involved are asbestos insulation, tile bathroom floors, metal toilet stalls, fir interior and exterior finish, oak and maple floors, and metal lath for all plastering.
The work will also include dredging of a small boat basin, 250x500 feet in area, with a channel connecting to tide water, 400 ft. long and 100 ft. wide. Depth of the basin and channel will be 27 ft. below high water. The entire building and grounds area is to be filled with the material excavated from the boat basin and channel.
Following are additional contractors who have procured plans:
Emil Rohl, 405 Railway Exchange Bldg., Seattle.
Peder P. Gjarde, Lyon Bldg., Seattle
Libby & Libby, 244 2nd Ave., Minneapolis, Minn.
Joseph Hub, 1247 Hermes Avenue, Covington, Ky.
A. F. Mowat, McDowell Bldg., Seattle.
Warrack Const. Co., McDowell Bldg. Seattle.
Puget Sound Bridge & Dredging Co. 2929 16th Ave., S. W., Seattle.
West Coast Const. Co., 1011 Lloyd Bldg., Seattle.
K. E. Parker Co., 135 South Park, San Francisco.
C. W. Larsen, 17 Colman Dock, Seattle.
The Western Const. Co., Textile Tower, Seattle.
Plans and specifications available from above office upon deposit of $25.

BIDS OPENED
SAN DIEGO, Cal.—Expo Stucco & Art Marble Co., foot of Juniper St., San Diego, submitted only bid to 11th

Naval District at $5349 for repairs to shower and toilet room floors at the Naval Operating Base (Training Station) San Diego; Spec. 7655. Recommendation was made that the contract be awarded Expo company.

Additional Prospective Bidders.

ALHAMBRA, Los Angeles Co., Cal. —Schuler & McDonald, 1723 Webster St., Oakland, and Jerome K. Dolan, 117 E. Colorado St., Pasadena, have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., for the construction of a two-story reinforced concrete Post Office building at Alhambra. Cost, $165,000. John Walker Smart, Alhambra, Architect.

SUB-CONTRACTS AWARDED

FORT LEWIS, Wash.—J. W. Bailey Construction Co., 1621 Boren St., Seattle, Wash., awarded the following subcontracts for the construction of a chapel to cost $74,670 at Fort Lewis, Washington:

Excavation, sand and gravel, Harrison Bros., Tacoma; reinforcing steel, Pacific Coast Steel Co., Seattle; cement, George Scofield & Sons, Tacoma; lumber, Superior Millwork Co., Olympia; brick work, J. W. Rollinson, Seattle; steel sash, Fenton Steel Works, Seattle; iron and steel, Ornamental Iron & Wire Works, Seattle; roofing and sheet metal, Northern Blower Pipe Co., Tacoma; tile roof, Interlocking Tile Co., Seattle; millwork, Superior Millwork Co.; finish hardware, Contractors' Hardware Co. painting, Charles F. Swanson; glass, Belknap Glass Co.; linoleum, George Scofield; tile floor, Robinson Tile & Marble Co.; cast stone, Olympian Stone Co.; scagolia, Raecolith Floor & Stucco Co.; plumbing and heating, General Installation Co., Olympia; wiring, Raymond Elec. Co., Tacoma.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —E. G. Jackson, 920 Fourth St., San Rafael, at $2647 awarded contract by Constructing Quartermaster, Hamilton Field, for the construction of porch enclosures for twelve types "A" and "B" commissioned officers' quarters, Buildings Nos. 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133 and 135. Complete bids published January 25.

TO ASK BIDS

BOULDER CANYON Project, Nev. —U. S. Bureau of Reclamation, Denver, will call for bids shortly for metal stairways for Boulder power plant, Boulder Canyon Project; Spec. 611-D.

CONTRACT AWARDED

SAN DIEGO, Cal.—J. Herman Co., 1349 E Vernon Ave., Los Angeles, awarded a contract by the Bureau of Yards and Docks, April 2, at $665, for improvement of ventilating system for galley ranges at the Naval Operating Base (Training Station) San Diego; Spec. No. 7655. The work consists in general of the provision and installation of an electric motor-driven blower, exhaust duct from a present hood over ranges, a deflector in the present hood and miscellaneous electrical connections.

8— CLUB BUILDINGS

Planned.

LODGE BLDG. Cost, $——
SEBASTOPOL, Sonoma Co., Cal. South Main Street.
Two-story Class A concrete lodge building.
Owner — Sebastopol Post, American Legion.
Architect—Not Given.

Approximately $7000 is available in the lodge funds. Committee in charge is as follows:

L. E. Covington, C. E. Bradley, Asa Hutton, Louis Borba and Glen Metcalf.

Bids Opened

MASONIC HALL Cost, $40,000
VISALIA, Tulare Co., Cal. S Locust Street and Mineral King Avenue.
Two - story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen, small stage, etc.)
Owner—Masonic Temple Association.
Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Low Bidder—W. T. Harris, 577 McKinley Ave., Fresno, $42,570, for general contract; Aladdin Heating & Ventilating Co., 5107 Broadway, Oakland, at $2687 for heating and ventilating.

Following bids received:

General Contract

W. T. Harris, Fresno	$42,570
Trewhitt & Shields Co., Fresno	42,990
George Swanstrom, Oakland	43,360
Campbell Const. Co., Sacto	43,920
David Nordstrom, Oakland	43,921
Geo. J. Maurer, Oakland	43,978
Los Angeles Const. Co., L. A.	44,200
N. H. Sjoberg & Son, S. F.	44,864
J. Dan Shorb, Fresno	44,990
W. J. Ochs, San Jose	46,100
Stroud Bros. & Seabrook, Bakersfield	47,972
Wm. Spivock, San Francisco	48,845

Heating and Ventilating

Aladdin Heating & Ventilating Co., Oakland	$ 2,687
Barrett-Hicks Co., Fresno	2,964
Standard Sheet Metal Works, Fresno	2,981
Visalia Plbg. Co., Visalia	3,200
Pacific Heating and Vent. Co., Oakland	3,275
Superior Metal Prod. Co., Oakland	3,297
Grady Sheet Metal Works, Berkeley	3,497
Scott Co., San Francisco	3,522
Dickson & Holbrook, Berkeley	3,533

Low Bidders.

HOME Cost, $——
SITKA, Alaska.
Three-story reinforced concrete pioneer's home (accommodate 50 patients), X-Ray room, solarium, offices, recreation, card room, morgue.
Owner—Pioneers' Home, Sitka.
Architect — Heath, Gove & Bell, Tacoma, Wash., and N. Lester Troast Juneau, Alaska.

General Work

Warrack Construction Co., MacDowall Bldg., Seattle, $157,000.

Wiring

Stewart Electric Co., 2400 First St., Seattle, $5700.

Elevator

Otis Elevator Co., 2200 Fourth St., Seattle, $400.

Plumbing

Hastorf's Plumbing & Heating Co., Portland, $14,000.

Heating

Hastorf's Plumbing & Heating Co., Portland, $17,800.

Power Plant

Hastorf's Plumbing & Heating Co., Portland, $15,400.

Bids held under advisement.

PLANNED.

LAS VEGAS, Nev.—Las Vegas Elks Lodge, E. A. Clark, chairman of building committee, is having plans prepared for a new lodge building to be erected at the corner of Third and Carson Sts., Las Vegas. It will be a two-story, concrete block structure, 40 by 85 feet in area, containing lodge rooms, banquet hall and kitchen. A cooling system may be installed. Cost $18,500.

Sub-Contracts Awarded

CLUB HOUSE Cost, $——
MENLO PARK, San Bateo Co., Calif.
One-story frame and stucco club house (tile roof).
Owner—Menlo Circus Club.
Architect — G. Albert Lansburgh, 140 Montgomery St., San Francisco.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Brick Work—Geo. S. Walker, San Carlos.
Electric Work—Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Millwork—Wm. Bateman, 1915 Bryant St., San Francisco.
Lumber—Palo Alto Lumber Co., Palo Alto.

Plans Being Prepared.

CLUB Cost, $——
LAKE TAHOE, Placer Co., Cal.
One- two- and three-story night club (cement block construction).
Owner—Withheld.
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.

9— HOSPITALS

Being Done By Day's Work.

ADDITION Cost, $——
SANTA CLARA, Santa Clara Co., Cal.
Addition to sanitorium (children's section with capacity of 14 beds; nurses' utility room, lavatory, shower; 2 five-bed wards, etc.)
Owner—Santa Clara Sanitorium (Dr. Charles L. Iaane, Medical Director).
Architect—Ernest Curtis, 35 West San Carlos St., San Jose.

Work is being done by day's labor under the CWA.

Sub-Contracts Awarded.

HOSPITAL Cont. Price, $55,300
REDDING, Shasta Co., Cal.
Two-story reinforced concrete hospital (24x36 ft.) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.
Painting—Raphael Co., 270 Tehama St., San Francisco.
Sheet Metal—Morrison & Co., 74 Duboce Ave., San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Reinforcing Steel—W. C. Hauck, 280 San Bruno Ave., San Francisco.
Lumber — Sterling Lumber Co., 1607 32nd St., Oakland.
Cement—Yosemite Portland Cement Co., Alaska Commercial Bldg., San Francisco.

As previously reported, plumbing awarded to Scott Co., 243 Minna St., San Francisco, at $12,284; electric to Cox Elec. Co., Red Bluff, at $4970; heating and ventilating to Carpenter & Mendenhall, 907 Front St., Sacramento, at $8680.

Additional Prospective Bidders.

SAN FRANCISCO — Following are additional contractors who have procured plans for the purpose of submitting bids to the Public Works Branch, Treasury Department, Washington, D. C., on April 17, for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Appropriation is $12,000.

Willam Spivock, Hobart Bldg., San Francisco.

E. J. and M. J. Treacy, Call Bldg., San Francisco.

Scott Co., 243 Minna St., San Francisco.

12— POWER PLANTS

Planned.
SUBSTATION Cost, $60,000
HAMMONTON, Yuba Co., Cal.
Co., Hammonton.
Architect—Not Given.
Construct new electrical substation.
Owner—Yuba Consolidated Gold Fields

CONTRACT AWARDED
BENICIA, Solano Co., Cal.—Bennett & Taylor, 1978 S Los Angeles Street, Los Angeles, at $12,578 awarded contract by Quartermaster, Benicia Arsenal, for emergency stand-by gasoline driven generator set complete at the Benicia Arsenal. Following bids received:
Bennett & Taylor, L. A.....$12,578
H. S. Tittle, San Francisco..... 12,597
Enterprise Electric Co., S. F..... 12,900
Chas. A. Langlais, S. F..... 13,225

BIDS WANTED
BOULDER CANYON, Nevada—Until April 23, 2 P. M., bids will be received by the U. S. Bureau of Reclamation, Denver, Colo., R. F. Walter, Chief Engineer, for furnishing and delivering f.o.b. cars at bidder's shipping point or at Boulder City, Nevada, steel discharge passage liners for turbine pressure regulators in the Boulder power plant.
The discharge passage liners and appurtenant parts will be installed by the Government. Specifications and drawings obtainable from above office. No charge to prospective bona fide bidders; to others, 50c not returnable.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Bids Opened
FIRE HOUSE Cost, $12,000
SACRAMENTO, Sacramento Co., Cal.
Vallejo Way and Freeport Blvd.
One-story brick fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Low Bidder—William C. Keating, 1121 24th St., Sacramento.
Following bids received:
Wm. C. Keating $11,250
L. F. Gould 11,523
Geo. W. Kopp 11,588
Azevedo & Sarmento..... 11,736
Campbell Const. Co..... 11,737
Charles Unger 11,836
H. C. Martin 11,910
F. H. Betz and J. Yoho..... 12,421
H. W. Robertson 12,437
All bidders of Sacramento.
Bids held under advisement until April 5th.

BOND ELECTION
LODA, San Joaquin Co., Calif.—Lodi City Council has set April 23 as the date for holding a special election to vote bonds in the sum of $520,000 to finance construction of a hydro-electric power plant on the Mokelumne river.

BONDS VOTED
OAKLAND, Calif.—County of Alameda voted bonds in the amount of $1,712,000 to finance construction of a new County Courthouse and Hall of Records on Seventh and Fallon Sts., Oakland. Architects will be selected within a few days, at which time further details will be announced.

Grading Contract Awarded.
MEMORIAL Cont. Price, $52,432
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; clubrooms, etc.; tile and composition roofing, hot air heating system hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.
Grading — L. C. Karstedt, Box 844, Watsonville.

BIDS WANTED
SAN QUENTIN, Marin Co., Cal.—Until April 24, 2 P. M., bids will be received by George B. McDougall, State Architect, Public Works Bldg., Sacramento, for furnishing and installation of sheet metal work, heating and ventilating system, cell block and solitary confinement unit at the California State Prison, San Quentin. Plans and specificatios available from above office upon deposit of $10 and are on file for examination in the office of the Division of Architecture, Public Wks. Building, Sacramento, and at Room 803, California State Bldg., Los Angeles.

Commissioned To Prepare Plans.
ARMORY Cost, $——
SEATTLE, Washington. Roy and Terray Avenue.
Construct new naval reserve armory building (one and two-story frame building, 80x150 feet).
Owner—United States Government.
Architect — William R. Grant, Seaboard Bldg., Seattle.
Lieutenant Commander George D. Grant, 13th Naval District, Seattle, is in charge of the project.

14— RESIDENCES

April 5, 1934

Contract To Be Awarded.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Architect—William K. Strickland, 1278 Sunnyhills Road, Piedmont.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
PALO ALTO, Santa Clara Co., Cal. No. 434 Columbia Street.
One-story frame and stucco residence.
Owner—Branner Newsom.
Architect—Chas. K. Sumner, Decker Oak Bldg., Palo Alto.
Contractor—E. J. Schmalling, 863 Mellville Ave., Palo Alto.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $13,500
LOS ALTOS, Santa Clara Co., Cal.
One-story and basement frame and stucco residence (7 rooms and 3 baths), shake roof, oil burning heating system, oak floors, tiled baths, etc.
Owner—Milton Haas, Financial Center Bldg., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—Axel Cederborg, 1455 Excelsior Blvd., Oakland.
Mill Work—Lannom Bros., Fifth and Magnolia Sts., Oakland.
Painting—V. E. Swedberg, 2215 Tenth Ave., Oakland.
As previously reported, plastering awarded to A. Albertson, Palo Alto; heating and sheet metal to Frank Davison, 65 Chesley St., S. F.; lumber to Merner Lumber Co., Palo Alto; plumbing to J. J. McLeod, 1246 Golden Gate Ave., S. F.

Bids Opened.
COTTAGE Cost, $——
AGNEW, Santa Clara Co., Cal. State Hospital.
One-story frame physician's cottage (concrete foundations, stucco exterior walls, tile roof, plumbing, steam heating system, electrical work, etc.)
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Low Bidder — R. W. True, Mountain View.
Following bids received:
R. W. True, Mountain View....$6249.70
C. M. Norgrove, Berkeley..... 6331.00
T. I. Strand, San Francisco..... 6385.00
George B. Moore, Palo Alto.... 6573.00
Neves & Harp, Santa Clara..... 6737.00
Wm. Spivock, San Francisco.... 6825.00
John Carlson, San Jose..... 6963.00
J. B. Petersen & Son, Oakland 7177.00
Ecker Bros., Stockton..... 7613.00
Bids held under advisement.

Contract Awarded.
ALTER RESIDENCE Cost, $2315
SAN FRANCISCO. No. 1456 Waller Street.
Alterations to two-story frame residence (new stairs, stucco exterior, new bathroom and kitchen, etc.)
Owner—Mrs. M. Lubinsky, Premises.
Architect—Not Given.
Contractor—Charles Greenberg, 3118 23rd St., San Francisco.

Low Bidder.
RESIDENCES Cost, $——
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two one-story frame and stucco residences.
Owner—F. Hilthon.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Low Bidder — Flener & Griffin, 1921 26th Ave., Oakland.

Contract Awarded.
ADDITION Cost, $4000
SAN FRANCISCO. No. 80 Santa Monica Way.
Addition to residence.
Owner—C. W. Smith, Premises.
Architect—Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor—Frank G. Applebe, 2405 Acton St., Berkeley.

Sub-Contracts Awarded
RESIDENCE Cost, $14,000
PIEDMONT, Alameda Co., Calif. Upper Piedmont Estates.
Two-story frame and stucco residence (7 rooms).
Owner—V. Lemer.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Excavating—Ariss-Knapp Co., 961 41st St., Oakland.
Concrete—Triberti & Massaro, 957 38th St., Oakland.
Millwork—Atkinson Mill & Lumber Co. Oakland.
Lumber—Smith Lumber Co., foot 19th Ave., Oakland.
Plumbing—J. R. Pierce, 7109 East 14th St., Oakland.
Tile—Rigney Tile Co., 3022 Harrison St., Oakland.
Electric Work—E. L. Reed, 3535 Porter St., Oakland.
Roofing (shingles) — Marshall Roofing Co., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $4700
OAKLAND, Alameda Co., Calif. 4054 Oakmore Road.
One - story and basement frame and stucco residence (six rooms).
Owner and Albert—Albert Hammarberg, 2340 LeConte Ave., Berkeley
Plans by Owner.
Lumber and Millwork—Tilden Lumber Co., foot of University Ave., Berkeley.

Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Painting—Joel Johnson, 3937 High St., Oakland.
Plastering—John Sherman, 2407 9th St. Berkeley.
Hardware—Marcus Cut - Rate Hardware & General Merchandise Co., 7th and Washington, Oakland.
Fixtures—Bradshaw Electric Co., 2016 Shattuck Ave., Berkeley.
Floors—Johnson Hardwood Floor Co., 2215 McGee Ave., Berkeley.
Concrete—Manuel Medis, 2427 Scenic Ave., Oakland.

Cement Contract Awarded.
ALTERATIONS Cost, $2895
PIEDMONT, Alameda Co., Cal. No. 63 Lincoln Avenue.
Alterations and additions to residence
Owner—C. H. Wilcox, Premises.
Architect—W. E. Milwain, 1503 Oakland Ave., Piedmont.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.
Cement—Nat Lena, 1174 19th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1921 Oakview Drive.
Two-story and basement frame and stucco residence (7 rooms).
Owner—Grace S. Harwood, 3514 Lyon Ave., Oakland.
Architect—Not Given.
Contractor—Wm. P. Harwood, 3415 Lyon Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Cal. No. 5919 Acacia Avenue.
Two-story frame and stucco residence (6 rooms).
Owner—Marian H. Fenton, 1278 Sunnyhills Road, Oakland.
Architect—Not Given.
Contractor—W. K. Strickland, 1278 Sunnyhille Road, Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $10,000
SAN MATEO, San Mateo Co., Calif. West Poplar Street.
Two - story and basement frame and stucco residence.
Owner—Gerald White, 236 Clark Dr., San Mateo.
Architect—Not Given.
Contractor—Longfeld and Olund, 220 Third Ave., San Mateo.
Lumber and Mill Work—Wisnom Lbr. Co., San Mateo.
Plumbing—Morrison and Blair, San Mateo.

Contract Awarded.
RESIDENCE Cost, $5000
STOCKTON, San Joaquin Co., Cal. No. 717 West Harding Way.
One-story and basement frame and brick veneer residence (6 rooms)
Ownr—R. R. Wagner, 343 E. Weber St., Stockton.
Architect—Not Given.
Contractor—Wm. E. Wheeler, 244 E. Pine St., Stockton.

Preliminary Estimates Being Taken.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal.
One and one-half-story frame residence (5 rooms and 1 bath) shingle roof, gas heating system, tile bath, etc.
Owner—Victor Rohmer.
Architect—William & Wastell, 374 17th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $1250
SANTA ROSA, Sonoma Co., Cal.
One-story frame cottage (3 rooms and garage).
Owner — Cecil G Gauntlett, 18 Palm Ave., San Francisco.
Architect—Joseph J. Rankin, 2865 Divisadero St., San Francisco.
Contractor—E. A. Anloff, Cloverdale.

Plans Being Prepared.
RESIDENCE Cost, $——
CENTERVILLE, Alameda Co., Cal.
One-story and basement frame and stucco residence (5 rooms) California Colonial style.
Owner—Withheld.
Architect—Miller & Wernecke, Financial Center Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 744 Brown Street.
One-story and basement frame and stucco residence.
Owner—Hattie Bedford, 652 Elizabeth St., Fresno.
Architect—Not Given.
Contractor—G. C. Walker, 437 Cornell St., Fresno.

Contract Awarded.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story frame and stucco residence (7 rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor — J. R. Armstrong, 1161 Fleet Road, Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $——
LOS ALTOS, Santa Clara Co., Calif.
Two - story and basement frame residence (13 rooms, 4 baths) wood exterior, plaster interior, shake roof, gas-oil burner heater system hardwood floors, etc.
Owner—Mr. Pershing.
Architect—Leslie J. Nichols, Palo Alto.
Contractor—Arthur Payne, 219 Jeter St., Redwood City.
Plastering—W. Badie, Redwood City.
Plumbing—V. Doppee, Redwood City.
Sheet Metal & Heating—W. Benning, Palo Alto.
Roofing—C. Spencer, Palo Alto.
Electric Wiring—Caost Elec. Co., Redwood City.
Cement Work—J. Emma, Menlo Park.
Hardwood Floors — White Oak Floor Co., Redwood City.
Brick Work—J. Mezzapelli, Menlo Pk.

Contract Awarded
RESIDENCE Cost, $5,000
SAN FRANCISCO. N 20th Street 255 W Church Street.
One - story and basement frame and stucco residence.
Owner—M. Meehan, 975 Valencia St.
Architect—Not Given.
Contractor—G. O. Stalin & Co., 2020 Taraval Street.

Sub-Contracts Awarded
RESIDENCE Cost, $5000
ALAMEDA, Alameda Co., Calif. 426 Haight Avenue.
One - story and basement frame and stucco residence (five rooms).
Owner—Louis Anovich, 1539 6th St., Alameda.
Architect—Not Given.
Contractor — Stanley M. Davis, 640 Bancroft Ave., Oakland.
Lumber and Millwork—Zenith Lumber & Mill Co., 2101 E 12th St., Oakland.
Heating and Sheet Metal—Atlas Heating & Vent. Co., 1451 32nd Street, Oakland.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Platsering—Arthur Moore Co., 526 57th St., Oakland.
Painting—Harold Spady, 5959 Laird Ave., Oakland.
Fixtures—Voorhees and Maschio, 4121 Broadway, Oakland.
Hardware—Marcus Cut - Rate Hardware & General Merchandise Co., 7th and Washington, Oakland.
Tile—Rigney Tile Co., 3022 Harrison St., Oakland.
Roofing — Western Roofing Co., Inc., 24th and Poplar Sts., Oakland.
Frames—C. W. Carman, 1740 E. 21st St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Calif. 765 Euclid Avenue.
One - story and basement frame and stucco residence (six rooms).
Owner & Builder—Oscar Carlson, 659 Santa Barbara Road, Berkeley.
Architect—Not Given.
Sub-bids are being taken on plumbing, millwork, brick work, etc.
Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.

To Ask Sub-Bids.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1921 Oakview Drive.
Two-story and basement frame and stucco residence (7 rooms).
Owner—Grace S. Harwood, 3514 Lyon Ave., Oakland.
Architect—Not Given.
Contractor—Wm. P. Harwood, 3415 Lyon Ave., Oakland.
Sub-bids will be taken on plastering, sheet metal and furnace work in about two weeks.

To Ask Sub-Bids.
RESIDENCES Cost, $3000 each
ALBANY, Alameda Co., Cal. Masonic Avenue.
Five one-story frame residences (5 rooms each), tile and composition roof, floor furnaces, hardwood floors, etc.
Owner and Builder—C. M. MacGregor, 1391 Solano Ave., Albany.
Plans by W. W. Dixon, 1844 Fifth Ave. Oakland.
Sub-bids will be asked within a few days on electric wring, etc. This is the first of a group of 20 residences to be erected.

PLANNED.
RESIDENCE Cost $——
OAKLAND, Alameda County, California, Clemens Road near Lyman Road.
One story and basement frame and stucco residence (6 rooms) spanish style, tile roof, gas heating system, hardwood floors, etc.
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. Stockton and O'Farrell Streets.
One-story precast residence (5 rooms and breakfast room; penthouse on roof of 9-story department store building) hot air heating system.
Owner—O'Connor Moffatt & Company, Premises.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Engineer—H. B. Hammill, 381 Bush St.
Contractor—David Paganini, 519 California Street.
Lumber—Roth Maier, 2800 Third St.
Lightweight Concrete Aggregate—Mc-Near Brick Co., 417 Berry St.
Finish Hardware—Lee Hardware Co., 151 New Montgomery St.
Steel Sash — Detroit Steel Products Co., 111 Sutter St.
Screens—Roll Screen Co.
Mill Work—Davis Hardwood Co., 350 Bay St.
Case Work—Liberty Mill, 62 Oak Grove Ave.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.

Plumbing—J. J. McLeod, 1246 Golden Gate Ave.
Electric—Globe Electric Works, 1899 Mission St.
Heating—Atlas Heating Co., 557 4th St.
Roofing Tile—N Clark & Son, 116 Natoma St.
Glass—W. P. Fuller & Co., 301 Mission St.
Painting—George Covell, 2410 Pacific Avenue.
Hardwood Floors—Lilly & Crowley, 90 Townsend St.
Tile Work—Art Tile & Mantel Co., 221 Oak St.

Additional Sub Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda, Co., Calif. 3715 Elston Avenue.
One - story and basement frame and stucco residence (Spanish style; 6 rooms, 2 baths, part tile and part composition roof, gas heating system, hardwood floors, ets.
Owner and Building—J. W. Scammell, foot of Ninth Ave., Oakland.
Architect—Not Given.
Plastering—Herman Thorndyke, 2450 E. 21st St., Oakland.
Painting—L. Roden, 621 Central Ave., Alameda.

Plans Completed.
STOCKTON, San Joaquin Co., Calif. —Architect J. Thomas Payne, 1261 W. 55th St., Los Angeles, has completed working drawings for altering a residence at the southwest corner of Country Club and Moreing Rd., Stockton, for Mrs. J. L. McIlree, Stuyvesant Apartments, 757 S. Berendo St., Los Angeles. The work will include addition of bathroom, alterations to living room, dining room, kitchen and porch, tile drainboard and bath, plumbing, painting, millwork, sash, screens, etc. The owner will build.

15— SCHOOLS

Prospective Bidders.
SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium) tile roof, steam heating system, wood floors, etc.
Owner — Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Following have procured plans. Bids open April 16, 8 P.: M.
Campbell Constr. Co., 800 R St., Sacramento.
W. C. Keating, 1121 24th St., Sacramento.
Azevedo & Sarmento, 920 O St., Sacramento.
H. W. Robertson, 3004 F St., Sacramento.
Betz & Yoho, 1017 43rd St., Sacramento.
P. F. Bender, 1012 Del Paso Blvd., Sacramento.
Plans and specifications available from architect upon deposit of $25

Preparing Working Drawings.
SCHOOLS Cost, $80,000
ROSEVILLE, Placer Co., Cal.
Construct new elementary school and alterations and additions to two elementary school buildings.
Owner—Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.

BONDS DEFEATED
SCHOOL Cost, $110,000
MARIPOSA, Mariposa Co., Cal.
One and two-story reinforced concrete high school (five classrooms, auditorium to seat 300, hookkeeping room, science room, etc.);; tile roof, steam heating system etc.
Owner—Mariposa County High School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.
Bonds were defeated March 30.

Bonds Defeated
COMMUNITY HALL Cost, $40,000
DUNSMUIR, Siskiyou Co., Cal. Florence and Sacramento Streets.
One-story steel frame and wood community hall (to house auditorium and gymnasium, 70x90 feet; stage, 64x24 ft., library, kindergarten, domestic science room, showers and dressing rooms, projection room).
Owner—Dunsmuir Elementry School District.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Dunsmuir Elementary School District defeated bond issue in amount of $28,750 which was to have assisted in financing construction of the above project.

PLANS COMPLETED
LOS ANGELES, Cal. — Structural Engineer C. G. DeSwarte, Room 505, 811 W. 7th St., has completed engineering working drawings for reconstruction work on the main building at the Wadsworth Street School, 1025 E. 38th St., for Los Angeles Board of Education. The plans have been sent to the State Board of Architecture for check. Cost, $71,008.

COMMISSIONED TO PREPARE PLANS
SANTA ANA, Orange Co., Cal.— The Santa Ana Board of Education has instructed Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, to prepare plans for remodeling old Junior College and Science buildings at the Santa Ana High School site. This work will inolude removal of second stories and reconstruction with additional space. The Board also adopted a general plant for development of the High School unit to include demolition of auditorium building and erection of a new auditorium and administration building replacement. The sum of $360,000 is now available for the work. Cost, $448,000.

Bond Election.
SCHOOL Cost, $——
FOREST RANCH, Butte Co., Cal.
One-story frame and stucco school building ,rustic exterior, composition shingle roof, stucco interior, etc.) three classrooms.
Owner—Forest Ranch School District
Architect—Chester Cole, Chico.
An election is being held on April 21 at which time bonds in the amount of $3000 will be voted to finance construction.

CONTRACTS AWARDED
WHITTIER, Los Angeles Co., Cal.— State Department of Public Works, awarded the following contracts for the construction of a new reinforced concrete gymnasium building at the Whittier State School:
Plumbing—F. C. Schilling, 3215 Beverly Blvd., Los Angeles, at $1881.
Heating and Ventilating—Harry Barkelew Co., 652 San Julian St., Los Angeles, at $1300.
Electric — Seaside Electric Co., 1800 Thompson Blvd., Ventura, at $840
Structural Steel—Minneapolis-Moline Power & Implement Co., Los Angeles, at $3545.
Lathering, plastering and tile bids held under advisement.

Sub-Contracts Awarded.
HOUSE OF STUDIES
Cost, Approx., $80,000
OAKLAND, Alameda Co., Cal. Chabot Road and College Avenue.
Three-story and basement Class A house of studies.
Owner — College of Saint Albert-the-Great (Dominican House of Studies), Steiner and Bush Sts., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—John Schneider, Prem.
Structural Steel—McClintic Marshall Co., 20th and Illinois Sts., S. F.
Brick Work—Hallert & Kneal, 2500 65th Ave., Oakland.
Mill Work—Oakland Planing Mill, 105 Washington St., Oakland.
Iron—Patterson & Koster Iron Works, 280 13th St., San Francisco.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Plastering—Spaan Bros., 2145 Ward St., Berkeley.
Terrazzo—Consolidated Terrazzo Co., 557 Market St., San Francisco.
Painting — Union Painting Co., 4420 California St., San Francisco.
Concrete—Nat Lena, 1174 19th St., Oakland.
Electric—Pacific Electric Motor Co., Tenth and Oak Sts., Oakland.
As previously reported, ornamental and miscellaneous iron awarded to Patterson & Koster Iron Works, 280 13th St., San Francisco; cast stone to J. Chinataretto, 324 Lincoln Ave., Alamend; windows to Soule Steel Co., 1750 Army St., S. F.; plumbing and heating, Scott Co., 113 Tenth St., Oakland.

Preparing Plans.
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms, and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
An election is being held on April 12 at which time bonds in the amount of $75,000 to finance construction will be voted.
B. J. Rodondi, H. A. Cavassa and J. O. McMills, Trustees of South San Francisco High School District.

Plans Being Completed.
RECONST. SCHOOL Cost, 46,000
SAN FRANCISCO. Seventh Avenue, bet. Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner — City and County of San Francisco.
Enigneer—Ellison & Russell, Pacific Bldg., San Francisco.
Bids will be asked in about two weeks.

Structural Steel Contract Awarded.
REPAIR SCHOOL Cont. Price, $6830
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engieer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—O. Monson, 475 Sixth St., San Francisco.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.

BIDS OPENED
CARPINTERIA, Santa Barbara Co., Cal.—Carpinteria Union School Dist. opened bids March 26 for the construction of a school building on the new Aliso site in Carpinteria. The low bids were: Mutenburg Roofing Co., roofing at $2139.17; Union Mill & Lumber Co., 520 E. Montecito St., Santa Barbara, millwork, including bulletin boards, blackboards and finish maple and mastic floors, at $3391; T. L. Secrest, 2030 Castillo St., Santa Barbara, lathing and plastering at $1410; Darrell T. Stuart, 2901 Paseo Tranquillo, Santa Barbara, painting at $418;

Carroll & O'Meara, plumbing and heating at $2090; Ott Hardware Co. 727 State St., Santa Barbara, sheet metal at $346 and finish hardware, including metal partitions, at $1587; Seaside Electric Co., 1800 Thompson Blvd., Ventura, electric wiring, including radio wiring and program clock, at $1043. The bids were held under advisement until the outcome of the bond issue, to be voted on this week, is determined. The building will be a one-story, wood frame, structure with stucco exterior, tile roof, metal lath, gas-steam radiators, maple and cement floors, etc. The foundation and carpentry work will be handled by CWA forces. E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, architect.

Preparing Working Drawings
ADDITION Cost, $——
SOQUEL, Santa Cruz Co., Calif.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.

Plans Completed
SCHOOL, ETC. Cost, $150,000
COALINGA, Fresno Co., Calif.
Construct new senior high school swimming pool (45x105-feet) and lighted tennis courts.
Owner—Coalinga School District (F. J. McCollum, Secretary).
Architect—W. D. Coates, Rowell Bldg. Fresno.
Bids will be asked shortly for the construction of the swimming pool.

Bonds Fail
SCHOOL Cost, $40,000
CLOVERDALE, Sonoma Co., Calif.
One-story frame and stucco building (7 classrooms and gym) composition roof, steam heating system.
Owner—Cloverdale High School Dist.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Cloverdale High School District defeated bonds by 13 votes March 30. A new election will probably be called shortly.

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Bonds Defeated
ADDITION Cost, $57,000
GRIDLEY, Butte Co., Calif.
Addition to elementary school (add eight classrooms) concrete walls, Class C construction.
Owner—Wilson Elementary School District (E. S. Hayward, Board of Education).
Architect—Geo. Sellon, California State Life Bldg., Sacramento.
Wilson Elementary School District defeated bond election held March 30.

TO ASK BIDS
OGDEN, Utah.—Utah State Industrial School, will ask bids shortly for the construction of an educational building at the Utah State Industrial School, Ogden. Eber F. Piers, 1014 First National Bank Bldg., Ogden, architect.

Plans Being Prepared
SCHOOL IMP. Cost, $105,101
PALO ALTO, Santa Clara Co., Calif.
Reconstruction and improvements to Palo Alto High School and Mayfield School.
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Proposed work includes:
Reconstruction of the administration building, $55,363; strengthening auditorium, $43,472; rebuilding cloister, $3-766, etc.
A bond election may be held to finance construction. Further details will be announced April 6.

BOND ELECTION
SAN GABRIEL, Los Angeles Co., Cal.—San Gabriel School District has called an election for April 27 at which time it is proposed to vote bonds in the sum of $90,000, the proceeds to be used for the rehabilitation or replacement of San Gabriel school buildings. Marsh, Smith & Powell, 506 Architects Bldg., Los Angeles, architects for the district.

BONDS VOTED
CARPINTERIA, Santa Barbara Co., Calif.—Carpinteria Union Grammar School District affirmed a $10,000 bond issue, March 29, the proceeds to be used for partial financing of a new school building to be erected on the Aliso site in Carpinteria. As previously reported, bids for the work have been taken and contracts will be awarded within a few days. Total cost of the building is estimated at $21,000. E. K. Lockard, 117 E. De la Guerra, Santa Barbara, architect.

Sub-Contracts Awarded.
SCHOOL REPAIRS Cost, $35,043
SAN FRANCISCO. Broadway between Powell and Mason Streets.
Repairs and reconstruction of school building (Jean Parker School).
Owner—City and County of San Francisco.
Architect and Engineer — W. P. Day, Financial Center Bldg., S. F.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., San Francisco.
Terra Cotta—N. Clark & Son, 116 Natoma St., San Francisco.
Electric—Strom & Smith, 1077 Valencia St., San Francisco.
Plastering — James F. Smith, 271 Minna St., San Francisco.

Planned
COLLEGE BLDG. Cost, $——
PALO ALTO, Santa Clara Co., Calif.
Campus of Stanford University.
Construction of new educational bldg.
Owner—Stanford University.
Architect—Not Given.
A gift of $392,199 was made to the University by Dr. and Mrs. Elwood Patterson Cubberley. Further details will be announced shortly.

BONDS DEFEATED
BARSTOW, San Bernardino Co. Cal.—Barstow Union High School District defeated an $85,750 bond issue March 30, proceeds from which were to have been used for financing the construction of new high school buildings in Barstow. Howard E. Jones, 518 Andreson Block, San Bernardino, architect. 5

PRELIMINARY PLANS APPROVED
PASADENA, Calif.—Pasadena board of education has approved preliminary plans and has instructed Architects Bennett and Haskell, 311 First Trust Bldg., Pasadena, to proceed with working drawings for remodeling the Madison elementary school. The brick walls are to be replaced with reinforced concrete and crosswalls construction. Cost is $110,000.

BONDS VOTED
ONTARIO, San Bernardino Co., Cal.—Chaffey Union High School District affirmed a $45,000 bond issue March 30, the proceeds to be used with a prospective government grant of $19,000 for financing the construction of a library building at Chaffey Junior College, Ontario. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

BONDS VOTED
COLTON, San Bernardino Co., Cal.—Colton Union High School District approved a proposal March 30, authorizing the expenditure of surplus funds for the construction of a gymnasium on the high school site in Colton. Estimated cost of the structure is $50,-000. Edward C. Parke, Fuller Bldg., San Bernardino, architect.

Bonds Voted.
SCHOOL Cost, $12,000
MARIPOSA, Mariposa Co., Cal.
One-story frame and stucco elementary school (3 classrooms).
Owner—Mariposa Elementary School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.
Bonds were voted March 30 to finance construction. Working drawings will be started immediately

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Final Plans Approved.
REPAIR SCHOOL Cost, $114,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture, (C. Sawyer, Architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Bids will be asked shortly.

PREPARING WORKING DRAWINGS
LONG BEACH, Los Angeles Co., Cal.—Architect Raymonr A. Sites, 206 E. Fourth St., Long Beach, is preparing working drawings for rebuilding the William Cullen Bryant School at the corner of 14th and Termino Sts. for the Long Beach Board of Education. It will contain ten classrooms and offices. Construction will be frame, stucco exterior walls, composition roofing, reinforced concrete corridors, maple floors, steam heating, etc. Cost, $65,000.

PREPARING WORKING DRAWINGS
LONG BEACH, Los Angeles Co., Cal.—Architect and Engineer Schilling & Schilling and Structural Engineer C. G. De Swarte, 145 Linden Ave. Long Beach, are preparing working drawings for the Alexander Hamilton Junior High School to be built at the corner of Atlantic Ave. and Alamitos St. for the Long Beach Board of Education. The present plans call for three academic buildings, shop and gymnasium. Construction will be steel frame, steel studs, gunite work, cement plaster exterior, composition roofing, concrete corridors, etc

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To Ask New Bids.
WHITTIER, Los Angeles Co., Cal.—State Department of Public Works, Sacramento, will ask for new bids on tile, lathing and plastering and sheet metal and roofing shortly for the new reinforced concrete gymnasium at Whittier for the State of California.
Complete list of bids published Mar. 22.

PREPARING PLANS
SIGNAL HILL, Los Angeles Co., Calif.—Architect C. N. Aldrich, 1834 Dawson Ave., Long Beach, is preparing for rebuilding the Signal Hill elementary school for the Long Beach board of education. The building will contain eight classrooms, library and offices. Construction will be wood frame with steel studs and gunite walls, composition roofing, maple floors, concrete corridors, etc. Aaron J. Smith, 2726 Lemon Avenue, Long Beach, structural engineer.

BONDS VOTED

EL MONTE, Los Angeles Co., Cal.—El Monte Union High School District at an election held March 30 approved a proposal to reconstruct high school buildings in El Monte, the work to be financed from funds on hand. The program will probably be carried on over a period of months as the money is made available. Jos. Weston, 22 Science Bldg., El Monte high school, is the architect and has plans under way at the present time.

PREPARING WORKING DRAWINGS

LONG BEACH, Los Angeles Co., Cal.—Aaron J. Smith, structural engineer, 3726 Lemon Ave., Long Beach, and C. N. Aldrich, architect, 1834 Dawson Ave., Long Beach, are preparing working plans for the Atlantic Avenue school for the Long Beach board of education. The structure will contain twenty classrooms, kindergarten, offices and library. Construction will be reinforced concrete frame and walls, wood partitions and floor joists, composition roofing, maple floors, etc.

BIDS WANTED

GRASS VALLEY, Nevada Co., Cal.—Until April 18, 8 P. M., bids will be received by E. H. Hocking, President, Grass Valley School District, for the construction of a shop building at the site of the Grass Valley High School. Plans and specifications available from J. S. Hennessy, Grass Valley, upon deposit of $10.

16—BANKS, STORES AND OFFICES

BID OPENING DATE POSTPONED

LOS ANGELES, Cal.—S. H. Kress & Co., 114 Fifth Ave., New York City, have postponed bid opening date until April 14 for the three-story and basement Class A store building, 60x120 feet in area, to be erected at 6608-10 Hollywood Blvd., for the company. Edward F. Sibbert, 114 Fifth Avenue, New York City, is the architect. The building will be a reinforced concrete structure with composition roofing, fire escapes, cast concrete trim, plate glass, granite bulkheads, metal sash, marble work, tile terrazzo and linoleum floors, marble and travertine stairways, metal, marble and hardwood trim, acoustic tile ceilings, metal lath, electric elevators, interior tile, metal toilet partitions and wainscoting, structural steel, waterproofing materials, kalamein doors, dumb waiter, steam heat, ventilating system, automatic sprinkler system, Venetian blinds, metal roof sign, ornamental iorn balustrades, steel rolling shutters, storage water heater, electric refrigerator, storage water heater, electric refrigerator, oil storage tank, etc. Estimated cost, $63,000. Bids are to be submitted to the owners in their New York offices.

Work Under Way.

REMODEL MARKET Cost, $——
HOLLISTER, San Benito Co., Cal.
Remodel present market building.
Owner—Joe Harvey, Hollister.
Lessee—Tony Borelli, Hollister.
Work is being done by day's labor.

Contract Awarded.

OFFICES Cost, $15,000
LINDSAY, Tulare Co., Cal. Mirave Ave. and Hermosa St.
One-story frame and stucco office building (73x47 feet).
Owner—Central California Citrus Exchange (J. R. Fauver), 143 Sweet Briar St., Lindsay.
Contractor—T. B. Runclman, Rt. 1, Box 1180, Exeter.
Plans by Engineering Dept. of Owner.

Low Bidder On Heating.

OFFICE BLDG. Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. No. 374 W. Santa Clara Street.
Two-story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, President), 372 W. Santa Clara St., San Jose.
Architect — Binder & Curtis, 35 W. Santa Clara St., San Jose.
Heating—William Serpa, 497 N. 13th St., San Jose. $3200
General contract bids reported March 17, lowest bid submitted by Charles Thomas, 127 Clayton Ave., San Jose, at $42,812.
All bids held under advisement.

CONTRACT AWARDED

SANTA BARBARA, Calif. — Donald Knowles, 770 E Valley Road, Santa Barbara, has been awarded a contract for alterations to the Canfield building on W. Canon Perdido St., Santa Barbara. Improvements will cost approximately $8,000. Edwards and Plunkett, architects and engineers, 20 E Figueroa St., Santa Barbara.

Additional Sub-Contracts Awarded.

STORE Cost, $3500
OAKLAND, Alameda Co., Cal. Mt. Blvd. at 3580 Redwood Road.
One-story frame and stucco store.
Owner—Hagstrom's Food Stores, Inc.
Architect—Not Given.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Sheet Metal — —Dunn Sheet Metal Works, 6410 E-14th St., Oakland.
Plastering—Walter Nelson, 3272 Arizona St., Oakland.

PLANNED.

SANTA BARBARA, Calif.—Bank of America has acquired property at the NE corner of State St. and Canon Perdido, Santa Barbara, where a large bank building will be erected to house the Santa Barbara main office. Construction details have not yet been determined. Plans will be prepared by the owner's architectural department in Los Angeles.

Contracts Awarded.

ALTERATIONS, ETC. Cost, $4000
BERKELEY, Alameda Co., Cal. Piedmont and Bancroft Aves.
Alterations and additions to International House (add new gift shop, etc.)
Owner—International House.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Cabinet Work—L. S. Van Dyke, 1617 Bancroft Way, Berkeley.
Cement—O. C. Jones, 2539 Grant St., Berkeley.

Contract Awarded.

ALTER STORE Cost, $8000
FRESNO, Fresno Co., Cal. No. 1150-62 Broadway.
Alterations to store building.
Owner—A. Mattei Estate, Mattei Bldg., Fresno.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Contract Awarded.

ALTER STORE Cost, $2000
SAN JOSE Santa Clara Co., Cal. No. 404 N-13th Street.
Alterations to store building.
Owner—Franco Bros., Premises.
Architect—Not Given.
Contractor—Frank Hoyt, 495 S-13th St., San Jose.

Contract Awarded.

ALTER STORE Cost, $3000
SAN JOSE, Santa Clara Co., Cal. SE First and San Antonio Sts.
Alterations to store building.
Owner—Owl Drug Co., Premises.
Architect—Not Given.
Contractor—L. C. Dunn, Monadnock Bldg., San Francisco.

Contract Awarded.

ALTERATIONS Cost, $2500
SAN FRANCISCO. No. 131 California Street.
Fitting up offices in building.
Owner—Dollar Building.
Architect—Francis Lloyd, 360 Pine St., San Francisco.
Contractor—John J. Moore, 354 Hobart St., Oakland.

Plans Being Completed.

OFFICES Cost, $——
MODESTO, Stanislaus Co., Cal. H St., bet. 6th and 7th Sts.
One or two-story concrete or brick store and office building (composition roof, etc.)
Owner—J. Oyen, Modesto.
Architect — G. N. Hilburn, 1213 I St., Modesto.
Bids will be asked shortly with an alternate proposal for a one-story and an alternate for a brick building.

Contract Awarded.

REMODEL STORE Cost, $10,000
STOCKTON, San Joaquin Co., Cal. No. 208 E. Main Street.
Remodel present store building.
Owner—Bank of America.
Plans by Engineering Dept. of Owner.
Contractor—Lewis & Green, P. O. Box No. 121, Stockton.

Contract Awarded.

IMPROVEMENTS Cost, $——
FRESNO, Fresno Co., Cal. SE Broadway and Fresno Street.
Alterations and additions to two-story building (new tile roof, new plate glass front, etc.)
Owner — Mattei Estate, Mattei Bldg., Fresno.
Plans by Fisher & McNulty.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Terrazzo Contract Awarded.

ALTER STORE Cost, $5000
SAN FRANCISCO. No. 926-930 Market Street.
Alterations to store building.
Owner—Selix Clothing Co., Mason and Eddy Sts., San Francisco.
Architect—Not Given.
Contractor—Unit Bilt Fixture Co., 963 Harrison St., San Francisco.
Terrazzo—California Terrazzo Marble Co., 2085 San Bruno Ave.

Contract Awarded.

ALTER STORE Cost, $——
STOCKTON, San Joaquin Co., Cal. Hunter and Main Streets.
Alterations to store building (install two new elevators, new plate glass front, partition work, etc.)
Owner—John Breuner Furniture Co., (L. J. Bruener, Vice-President), 21st St. and Broadway, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—Lewis & Green, P. O. Box No. 121, Stockton.

To Be Done By Day's Work.

ADDITION Cost, $1000
OAKLAND, Alameda Co., Cal. No. 1401 Seventy-fourth Ave.
Brick and tile addition to building.
Owner—W. Van Aalst, 2039 34th Ave., Oakland.
Architect—Not Given.

Contract Awarded.

STORE Cost, $3300
SAN FRANCISCO. S Taraval St. 107 W 31st Avenue.
One-story frame and stucco store building.
Owner—A. M. Tadwick, 387 Eddy St., San Francisco.

Architect—Not Given.
Contractor—Henry Doelger, 220 Judah St., San Francisco.

BIDS OPENED

SAN FRANCISCO—Following bids received by Constructing Quartermaster, Fort Mason, for remodeling the offices of the Crops Area Quartermaster, Ninth Corp Area Headquarters, Presidio:
(1) Add mezzanine floor.
(2) For one additional room.
(3) Total bid for items 1 and 2.

Wm. A. Degan, 2055 Santa Clara Ave., Alameda	(1)	$ 921
	(2)	323
	(3)	1244
M. E. Vukicevich, S. F.	(1)	873
	(2)	371
	(3)	1261
William Spivock	(1)	1100
	(2)	450
	(3)	1550
San Francisco Constr. Co.	(1)	1095
	(2)	464
	(3)	1559
Thomas Jones	(1)	1067
	(2)	530
	(3)	1587
Roy Lind	(1)	970
	(2)	799
	(3)	1769
John M. Peters	(1)	1202
	(2)	680
	(3	1882

Bids held under advisement.

To Be Done By Day's Work.

OFFICE BLDG. Cost, $8000
ROSEVILLE, Placer Co., Cal. Vernon Street.
One-story frame and stucco office building.
Owner—Drs. Berry Boston and Lucas W. Emprey, Roseville.
Architect—Not Given.
Work will be done by day's work by local labor.

Ornamental Iron Contract Awarded.

ALTERATIONS Cost, $——
SAN FRANCISCO. Van Ness Avenue bet. Geary and Post Sts.
Alterations to two-story concrete building for auto sales building.
Owner—Texas Company.
Plans by Mr. Graff, % Lessee.
Lessee — Arthur Lindburg Co., 1355 Van Ness Ave., San Francisco.
Contractor—L. Saloman, 1734 Broderick St., San Francisco.
Ornamental Iron—Patterson & Koster Iron Works, 280 13tha St., San Francisco.
Other awards reported March 28.

Planned.

REMODEL MARKET Cost, $25,000
NORTH SACRAMENTO, Sacramento Co., Cal. Del Paso Blvd.
Remodel drive-in market.
Owner—Mrs. J. H. Donnelly, 1300 45th St., Sacramento.
Architect—Not Given.

BIDS WANTED

EUREKA, Humboldt Co., Cal.—Until April 10, 2 P. M., bids will be received by Postmaster Don Lambert for repairs to the Post Office building in Eureka. Work includes, repairing drains, painting roof, replacing and surfacing 300 square feet of floor scrubbing and waterproofing limestone electrical work, 200 lbs. slaked lime, 200 lbs. fertilizer and seed for lawn, etc.

Heating and Plastering Contracts Awarded.

AUTOMOBILE BLDG. Cost, $25,000
SAN JOSE, Santa Clara Co., Calif. 405 W. Santa Clara Street.
One-story reinforced concrete automobile building (107x20 feet) concrete floors, Summerbell truss roof, etc.
Owner—Louis O. Normandin.
Plans by Frank W. Moore, 1132 Glenn Ave., San Jose.
Heating—William Serpa, 497 S-13th St., San Jose.
Plastering — Victor Plummer, 325 N-18th St., San Jose.

Plans Being Prepared

BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinf. concrete bank bldg. (composition roofing, steam heat).
Owner—Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

17— THEATRES

Sub-Contracts Awarded.

ALTER THEATRE Cost, $7000
MONTEREY, Monterey Co., Cal. Alvarado Street.
Alterations to Golden State Theatre (redecoration, alterations to lobby, electric work, etc.)
Owner—Golden State Theatre & Realty Co., 25 Taylor St., San Francisco.
Architect—Not Given.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.
Plastering—W. N. Ingram, 850 Archer St., Monterey.
Cast Plaster—O. F. Larson & Son, 480 Potrero Ave., San Francisco.
Lumber—Work Lumber Co., David and Lighthouse Sts., Monterey.
Sidewall Redecoration — C. Heinsbergen Decorating Co., 7415 Beverly Drive, Los Angeles.

Planned

ALTER THREARE Cost, $10,000
SALINAS, Monterey Co., Calif. East Main Street.
Alterations to Crystal Theatre (new equipment, enlarge balcony, etc.) seating capacity of 800.
Owner—Crystal Theatre (John Peters and Lawrence Borg, owners) Salinas.
Architect — Mark T. Jorgensen, 525 Market St., San Francisco. *

Planned.

REMODEL THEARTE Cost, $——
ORLAND, Glenn Co., Cal.
Remodel Orland Theatre (new sound apparatus, etc.)
Owner—Harvey Amusement Co., % C. A. Pendleton, First and Colusa Sts., Oakland.
Architect—Not Given.

Electrical Bids Opened.

THEATRE Cost, $15,000
STOCKTON, San Joaquin Co., Cal. No. 518-24 E. Main Street.
Alterations to theatre building (redecorating, electrical work, painting, etc.)
Owner—Sierra Theatre (Joe Restano and Joe and G. B. Gottelli), 16 Union St., Stockton.
Architect—William Henry Rowe, 216 Pine St., San Francisco.
Contractor — G. B. Pasqualetti, 2330 Larkin St., San Francisco.
Following electrical bids received, as reported by the San Francisco Electrical Contractors' Assn.:

Eddy Electric Co., Stockton	$4954
Matson Seabrooke Co., Oakland	4966
Victor Lemoge, San Francisco	5181
Decker Elec. Constr. Co., S. F.	5815

18— WHARVES & DOCKS

April 2, 1934

BIDS OPENED

SAN DIEGO, Cal.—Arnett & Lipscomb, 4267 Florida St., San Diego, at $2,437 submitted low bid to the Public Works Officer, 11th Naval District, San Diego, for the construction of a timber float (14x40 ft.); removal of existing mooring pile, extension and repair of walkways, etc., at the Navy landing (near Coronado Ferry Slip), San Diego; Spec. No. 7649. Following bids received:

Arnett & Lipscomb, San Diego	$2,437
G. R. Abbott, La Jolla	2,698
M. H. Golden, San Diego	2,700

Bids held under advisement.

Contract Awarded.

REPAIR WHARF Cost, $2205
SAN FRANCISCO. Foot of Hyde St.
Repairs to wharf.
Owner—Southern Pacific-Golden Gate Ferries, Ltd., 64 Market St.
Plans by Engineering Dept. of Owner.
Contractor—Duncanso-Harrelson Co., deYoung Bldg., San Francisco.

19—MISC. CONSTRUCTION

BIDS WANTED

ALAMEDA, Alameda Co., Cal.—Until April 17, 8 P. M., bids will be received by Alameda city council for the construction of two tennis courts in Franklin Park, Alameda. Work involves:
(1) 480 ft. redwood header boards in place;
(2) 170 tons crusher-run base;
(3) 175 tons asphalt concrete base;
(4) 90 tons asphalt concrete top.

Bids Wanted

GRAIN ELEVATOR, Etc. Cost, $——
OAKLAND, Alameda Co., Calif. Oakland Waterfront.
Construct 200,000 bushel capacity elevator (sprinkler system, piling, excavation, etc.)
Owner—Albers Bros. Milling Co., west end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Bids are now being received on the sprinkler system, piling and excavation. Bids for the construction of the grain elevator will be asked in one week.

Plans Being Completed

MISC. BUILDINGS Cost, $——
YOSEMITE VALLEY, Cal. Wawona and Tuolumne Meadows.
Construct rest room, ranger station, bunk house, dining room, kitchen building, etc.
Owner—United States Govt. (National Park Service).
Plans by National Park Service, 525 Market St., San Francisco.
Plans will be completed within 30 days and work done by days labor under the supervision of the Park superintendent. *

Sub-Contracts Awarded.

ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Cal. Holly Cross Cemetery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 by 80 feet. 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Readmix Concrete—South City Lumber Co., South San Francisco.
Reinforcing Steel — W. C. Hauck & Co., 17th and Wisconsin Sts., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.

Plans Being Prepared.

SWIMMING POOL Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Campus of the College of the Pacific.
Concrete swimming pool (35x75 feet), filtration system, etc.

Owner—College of the Pacific.
Architect—H. G. Bissell, 327 E. Channel St., Stockton.
Bids will be asked in about two weeks.

BONDS VOTED

MESA, Arizona—The $240,000 bond issue to finance the construction of electrical lines has been authorized by voters in Electrical District No. 5, about 35,000 acres lying immediately east of the Roosevelt Water Conservation District canal in Maricopa County. Construction will await development of the Verde Project.

LOW BIDDER

SAN FRANCISCO—Automatic Elec. Co., Chicago, Ill., at $18,130 submitted only bid to U. S. Department of Justice, Bureau of Prisons, Washington, D. C., for furnishing all labor and materials for the complete installation, including five year's maintenance service, of a private interior telephone exchange and outside service facilities at the Federal prison on Alcatraz Island in San Francisco Bay; Specification 742. Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO — Phoenix-Simpton Co., at approximately $2000 awarded contract by Bankers Investment Co., 742 Market St., to install sidewalk lights at 742 Market St.

BIDS WANTED

SANTA CLARA Cal.—Bids are being received by the Custodian, Santa Clara Post Office, for surveying site for the proposed new Post Office building in Santa Clara.

BIDS WANTED

FRESNO, Cal.—Until 2 P. M., April 10, bids will be received by John Beardslee, assistant engineer, assisant engineer, U. S. Airway Radio Station, R.F.D. 9, Box 596, Fresno, for erecting modified Adcock raido antenna system on property two miles southwest of Fresno airport. The principal items of work involved comprise the erection of four steel skeleton radio masts, each 125 feet high, on concrete foundations, and the appurtenant ground system, obstruction lighting, etc. Some of the major quantities involved are approximately as follows Concrete, 75 cu. yds.; cable and ground system trenches, 280 lin. rods; reinforcing steel, 3000 lbs.; No. 6 bare copper wire, 4200 lin. ft.; structural steel (material to be furnished by the government), 13 tons. Schedule No. 307-E. Further information may be obtained from the Assistant Director of Aeronautics, Air Navigation, Department of Commerce, Washington, D. C., or to the Assistant Engineer, U. S. Airway Radio Station, R. F. D. 9, Box 596, Fresno, Calif. Prospective bidders may, if they desire, make appointment for a representative of the Air Navigation Division to meet them at the site and show them the work. Such appointment may be made either through the operator in charge, U. S. Airway Radio Station, R. F. D. 9, Box 596, Fresno, Calif., or the Assistant Director of Aeronautics, Air Navigation, Department of Commerce, Washington, D. C. Bid guaranty in the amount of $200 will be required.

BIDS OPENED

PORTLAND, Oregon — Helser Machine & Marine Works, Inc., 511 N. 22nd St., Portland, at $30,173.95, time limit 30 days, submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, for drydocking, cleaning and painting and repairing U. S. Dredge "Col. P. S. Michie," under Bid No. 34-547. The other bids were:
Albina Engine & Machine Works, Inc. Portland, $32,481; time limit, 36 days.
Commercial Iron Works, Portland, $33,164; time limit, 34 days.
Engineer's estimate, $26,500.

Bids Opened.

RACE TRACK Cost, $250,000
SAN MATEO COUNTY, Cal. Bay Meadows (Curtiss-Wright Airport), 120 acre tract.
Horse racing plant (structural steel, frame and concrete clubhouse and grandstand, clubhouse to house 1000 and grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Architect—G. O. Wootten, 251 Kearny St., San Francisco.
Engineer—Stillman W Curtis, 430 Natoma St., San Francisco.
Complete bids follow:

Structural Steel

Furnishing and erecting structural steel for grandstand and clubhouse together with two connecting bridges and miscellaneous free beams.
(1) Clubhouse; (2) Grandstand; (3) Bridges:

Golden Gate Iron Works	(1)	$16,791
	(2)	37,620
	(3)	600
*Herrick Iron Works, Oakland	(1)	16,970
	(2)	39,660
*Independent Iron Works Oakland	(1)	18,450
	(2)	39,960
*Schrader Iron Works, S. F.	(1)	17,990
	(2)	43,640
*McClintic Marshall Co., San Francisco	(1)	18,400
	(2)	43,420
*Judson Pacific Co., S. F.	(1)	18,037
	(2)	44,940

*Item three included in bid on item two.

General Work

(1) Erection of clubhouse, not including structural steel.
(2) Erection of grandstand, not including structural steel.
(3) Erection of 25 stable buildings, each building having forty stalls (total of 1000 stalls).

Cahill Bros., 206 Sansome St., San Francisco cost plus basis, six per cent (estimated cost, $207,000).		
Young & Horstmeyer, San Francisco	(1)	$104,733
	(2)	128,460
	(3)	119,723
K. E. Parker Co., S. F.	(1)	98,600
	(2)	131,700
(each unit)	(3)	5,200
San Francisco Constr. Co., San Francisco	(1)	97,922
	(2)	131,755
(each unit)	(3)	4,780
(Job complete)		342,500
J. B. Oswald, San Francisco	(1 and 2)	236,747
(each unit)	(3)	5,783
Lindgren & Swinerton, Inc., San Francisco, Cost plus basis (add $25,000 for supervising construction, with a maximum figure of $389,000, including fee).		
E. T. Leiter & Son, Oakland	(1)	62,000
	(2)	137,000
	(3)	60,000
MacDonald & Kahn, S. F.	(1)	107,270
	(2)	138,097
(each unit)	(3)	4,443
J. D. Hannah, S. F.	(1)	46,430
	(2)	74,792
(each unit)	(3)	2,480
James L. McLaughlin, San Francisco, Cost plus basis, adding $15,000.		

All above bids exclusive of electrical work.
Bids held under advisement.

Completing Plans.

LOS ANGELES, Cadif. — Universal Pictures Corp., Universal City, is completing plans for alterations to a frame and stucco sound stage at Universal City. It will cover an area 160x150; concrete work, roofing, sound material, etc. Cost $40,000.

CONTRACT AWARDED

ALCATRAZ ISLAND, Cal.—Automatic Electric Co., Chicago, Ill., at $18,130 awarded conaract by U. S. Bureau of Prisons, for furnishing complete installation, including five-year maintenance service of a private interior telephone exchange and outside service facilities at the Federal prison on Alcatraz Island in San Francisco Bay: Spec. No. 742.

Contract Awarded.

REMODEL PLUNGE Cost, $9000
MERCED, Merced Co., Cal. Seventeenth and Q Streets.
Remodel municipal plunge (new steel lockers, etc.)
Owner — Guaranty Building & Loan Assn., 69 S-First St., San Jose.
Plans by Mr. Hansen.
Contractor—A. L. Hansen, % Owner.

REINFORCING STEEL CONTRACT AWARDED

ARCADIA, Los Angles Co., Cal.—Lindgren & Swinerton, Pacific Mutual Bldg., Los Angeles, builders of the horse racing plant under construction in Arcadia for the Los Angeles Turf Club, report that they have awarded a contract to Pacific Coast Steel Corp., Los Angeles, for the entire reinforcing steel requirements for the plant. Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, architect.

Contract Awarded

REMODEL PLUNGE Cost, $9,000
MERCED, Merced Co., Calif. Seventeenth and Q Streets.
Remodel municipal plungs (25x80 ft., etc.; new steel lockers, etc.)
Owner—Guaranty Building and Loan Assn., 69 S First St., San Jose.
Plans by Mr. Hansen.
Contractor—A. L. Hansen, Fresno.

20—MISC. SUPPLIES AND MATERIALS

AWARDS RECOMMENDED

SAN DIEGO, Cal.—The engineers of the Indian Irrigation Service at Los Angeles, has recommended that contracts for cement concrete irrigation pipe for the Northside main and distribution system of the Pale Project, located in the valley of San Luis Rey River, near Temecula, San Diego Co., be awarded as follows:

Frank J. Moran, Solano Beach—Item (1), 500 ft. 18-in. std. pipe at 44c ft. No discount.

Concrete Conduit Co., Ontario—(2) 5400 ft. 16-in. double wall pipe, at 66c; (3) 5400 ft. 16-in. std., 35c; (4) 500 ft. 14-in. double wall pipe, at 38c per ft. No discount.

W. E. Wilson, San Jacinto—(5) 500 ft. 14-in. std. pipe at 28½c ft.; and (6) 700 ft. 12-in. std. pipe at 21.5c ft. Discount, 5%.

J. R. Montigle, Redlands—6000 ft. 10-in. std. pipe at 16.8c ft. Discount, 5%.

Bids were opened at Los Angeles March 19.

CONTRACT AWARDED

LOS ANGELES, Cal.—Keenan Pipe & Supply Co., at $3353.44 awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water Dist., Los Angeles, March 27, for furnishing standard black pipe, lot 2, f.o.b. Indio, Calif., under Bid No. 12521.

BIDS OPENED

LOS ANGELES, Calif. — Southwest Welding & Mfg. Co., 3201 W Mission St., Los Angeles, submitted low bid to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, for furnishing electric welded steel pipe sections, bolts, manholes, gaskets and other attachments, under Spec. No. 1401. The bids were:

ITEM 1

Southwest Welding & Mfg. Co., (a) f.o.b. cars Saugus, $12,853; (b) f.o.b. cars bidder's shipping point, $11,680; (c) f.o.b. trucks delivered to construction site, $12,170; ½ of 1%, 20 days.

C. C. Moore & Co., (a) $21,754; (b) no bid; (c) $22,226. Sections to be in 20-ft. lengths. Bends to have 3 angles. Bid net.

Consolidated Steel Corp., (a) $32,-500; (b) $32,140; (c) no bid. Sections to be in 8- and 10-ft. lengths. Bends to have six angles near tees and four angles near wyes. Bid net.

ITEM 1, ALT. A

No bids.

ITEM 1, ALT. B

Consolidated Steel Corp., (a) $33,-500; (b) $33,140; (c) no bid.

ITEM 1, ALT. C

No bids.

AWARDS

WASHINGTON, D. C.—Following is a list of awards made by various offices of the Bureau of Reclamation for miscellaneous supplies ,bids opened on dates at points mentioned:

Dec. 21, Denver, pro. 22037A, 15,000 bbls. cement: Bids rejected.

Feb. 2, Denver, pro. 22044-A1, Casper-Alcova project: Aluminum Co. of America, Pittsburgh, 200 miles copper or aluminum cable, $32,903.17, f.o.b. Massena, N. Y., with freight allowed.

Feb. 12, Denver, pro. 606-D, electrical apparatus, transformers, etc.: Kuhlman Elec. Co., Bay City, Mich., item 1, $18,549.60; 6, $4,568. General Elec. Co., Pittsfield, Mass., item 2, $3,444.49. Johnson Mfg. Co., Atlanta, Ga., 3, $1,458.24; 4, $535.96. Kelman Elec. & Mfg. Co., Los Angeles, 5, $1,790.

Feb. 13, Denver, pro. 35505H, 9,000 bbls cement: Bids rejected.

Feb. 19, Denver, pro. 608-D, valve guides, etc.: Johnson City Fdy. & Mch. Co., Johnson City, Tenn., item 1, $3,384. Provo Fdy. & Mch. Co., Provo, Utah, 2, $1,642. Am. Locomotive Co., 3, $14,879. John W. Beam, Denver, 4, $4,500.

Feb. 26, Denver, pro. 22056A, insulators and line materials: Corning Glass Works, Corning, N. Y., $17, 570.67.

Owyhee Project

Pro. 36017-A, cement screening unit: W. S. Tyler Co., $997.50.

Pro. 36016-A, Grant mixer with air motors. Union Iron Works, $1,500.

Pro. 36--6-A1, hot rolled copper sheets Warner Co., $928.

Pro. 36015-A1, horizontal duplex slush pump: Gardner-Denver Co., $550.

Pro. 36020-A, bullet steel reinforcement bars: Pacific Coast Steel Corp., $7,035.78.

Belle Fourche Project

Pro. 957-A, 15 h. p. gas motor-driven tractor: Caterpillar Tractor Co., $1,285.

Casper-Alcova Project

Pro. 22044-B, centrifugal pump for survey and testing: Hendrie & Balthoff M. & S. Co., $1,154.50.

Verde Project

Pro. S-605-D, core drilling and excavation: Fred B. & Frank Cannon, $5,725.

Boulder Canyon Project

Pro. 23089-A, deformed reinforcement bars for power house: Laclede Steel Co., $8,139.54.

Contract Awarded.

NAPA, Cal.—Wm. H. Young, Napa, at $1500 awarded contract by Post Office Supply Department for furnishing second hand furniture and screen line equipment for the Napa Post Office.

AWARD

COCONINO COUNTY, Arizona—Union Oil Co., Los Angeles, at $0.65 per bbl. awarded contract by U. S. Bureau of Public Roads, San Francisco, for furnishing 45,500 gals. liquid asphaltic road material, Type SC 1-A.

Standard Oil Co. of California, San Francisco, at $12.50 per ton awarded contract for furnishing 1500 tons liquid asphaltic road material, Type MC-4 of MC-5.

Complete bids published March 14.

CONTRACT AWARDED

NAPA, Cal.—Miller & Wigginton, 1729 98th Ave., Oakland, at $10.99 per day, awarded contract by J. W. Adams, Maintenance Superintendent, 1019 Pearl St., Napa, for the rental of two to four 1½-ton dump trucks for approximately 100 days. Complete bids follw:

Miller & Wigginton, Oakland	$10.99
Garcia Constr. Co., Irvington	13.00
Della Rosa & Son, Martinez	13.50
R. W. Ross, Alameda	13.92
A. L. Philbrick, Glenwood	14.00
Louis Green, Oakland	14.92
H. E. Macbeth, Oakland	15.04
L. B. Andrews, Oakland	15.20
Rock & Gravel Trucking Co., Oakland	15.60
Jerry Taylor, Oakland	16.00
E. G. Gressot, Fairfield	17.44
Barney Trucking Co., Willits	18.00

CONTRACT AWARDED

YUMA, Ariz.—Penn Metal Co. has been awarded a contract by the Treasury Dept., Division of Supply, at $703.-83, for furnishing metal shelving for Yuma; Proposal 4451.

CONTRACT AWARDED

SAN CARLOS, Ariz. — Consolidated Lumber Co. awarded contract by the U. S. Indian Irrigation Service for furnishing Douglas fir creosoted poles for the transmisison line for the San Carlos Federal Irrigation District, Project No. 261, Coolidge, Arizona.

BIDS OPENED

PARKER, Arizona—Bids for furnishing a total of 510 ft., or 170 sections, of galvanized metal flume for Federal Project No. 263, Parker, Arizona, were opened by the U. S. Irrigation Service, 751 S. Figueroa St., Los Angeles, April 12. The bids were:

California Corrugated Culvert Co., 409 Leroy St., Los Angeles, $861.90; f.o.b. Berkeley, discount ½ of 1%

Western Metal Mfg. Co., Phoenix, Ariz., $984.28, f.o.b. Parker, Ariz., discount ½ of 1%.

CONTRACT AWARDED

SAN CARLOS, Ariz.—Phelps-Dodge Copper Products Corp., 1840 E. 15th St., Los Angeles, at $79,278.08 awarded contract by the U. S. Indian Irrigation Service, Los Angeles, for furnishing copper cable and wire for the San Carlos Federal Project No. 261, f.o.b. Coolidge, Ariz.

BIDS OPENED

SEATTLE, Wash. — Following bids received by the Seattle Board of Public Works, March 29, for furnishing materials for the Railroad Avenue Project as follows

(1) Reinforcing steel;
(2) Bending above reinforcing steel;
(3) 178,854 lbs. threaded bolts, deliverd as follows:
(a) By truck at site in quantities as specified by City Engineer.
(b) By truck in carload lots at site in quantities specified by City Engineer.
(c) By car f.o.b. spur track adjacent to work.

The bids were:

Pacific Coast Steel Co. (1) $50,303; (2) $5405.

Northwest Steel Rolling Mills, (1) $50,-303; (2) $5405.

C. O. Larsen, (2) $5158.

Talbot Campbell & Harry Powell, (2) $382.

Pacific Coast Forge Co., (3a) and (3b) $7154; (3c) $7109.

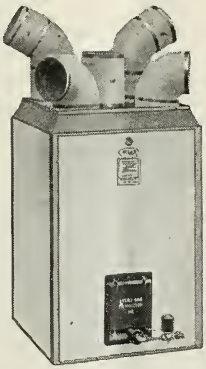
Northwest Bolt & Nut Co., (3a) and (3b), $7243; (3c) $7154.

All bids held under advisement.

LOW BIDDER

SAN FRANCISCO.—John G. Ils Co., 2902 19th Street, at $69.00 submitted low bid to Quartermaster Supply Officer, Fort Mason, for furnishing one cook's table for Fort Mason.

Atlas Economy Gas Fuel Circulating System of Warm Air Heating



The ATLAS ECONOMY GAS CONVECTOR, the most important link in this circulating system, is as modern as tomorrow. Its square casing comes in a two-tone green, marking the age when a furnace can be as attractive and pleasing to the eye as it is efficient.

The Atlas Gas Convector is built of heavy gauge iron, all welded, with a bottom casing which eliminates the possibility of infiltration of dust or dirt.

The Atlas Economy Gas Furnace in all sizes has been approved by the American Gas Association and has met with all requirements of their laboratory tests, thus giving assurance that the furnace is properly designed and constructed for efficiency and safe operation.

Atlas Heating & Ventilating Co., Ltd.

Everything In Heating

557-567 Fourth Street
SAN FRANCISCO
Phone DOuglas 0377

1451 32nd Street
OAKLAND
Phone LAkeside 1266

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

WAR DEPARTMENT

FORT MASON, San Francisco—Until April 13, 10.00 A. M., bids will be received under Bid No. 928-34-199 by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, for furnishing miscellaneous supplies as follows:

1500 ft. conduit, cord, locknuts, molding, tape, 400 ft. copper wire, telephone wire, latches, steel wool, 38 gross screws, gasoline torches, sulphur, 56 bottles sulphuric acid, enamel, aluminum powder, paint, varnish, fire extinguishing liquid, soda, cocks, faucets, balls, lead, 2600 ft. welded steel pipe, rock, cement and 20,000 FBM pine lumber.

Specifications available from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Washington, D. C., (Navy Department), for miscellaneous equipment, as follows:

LOCOMOTIVES, gasoline engine operated; 2. Sch. 2059-R, Mountain View; bids April 10.

LATHES, motor-driven engine; 2, Puget Sound. Sch. 2027-R; April 10.

FLOOR SANDING MACHINE, motor-driven; San Diego. Sch. 2102-R; April 13.

BURNERS, steam turbine driven rotary cup type, and spares; East and West Yards. Sch. 2088; April 17.

VALVES, angle relief, and spare springs; East and West Yards. Sch. 2086; April 17.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., as follows:

CLOTHS, cotton wiping; 400,000 lbs.; Mare Island. Sch. 2047; April 10.

COMPOUND, boiler; 60,000 lbs.; Mare Island. Sch. 2053; April 10.

LACQUER, nitro-cellulose; 1200 qts.; Mare Island. Sch. 2091; April 17.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until April 13, bids will be received by A. L. Flint, General Purchasing Officer, Panama Canal Zone, Washington, D. C., under Schedule No. 2951, for miscellaneous supplies and equipment including 4 hoisting pinions; 500 ft. cast iron pipe; 1 gasoline engine; 4-cylinder; 1 steam boiler; 144 switchboard fittings; 1000 ft. copper cable; 10,000 lbs. copper wire; quantities of window glass; sheet glass; polished plate glass; 36 fire extinguishers; 4 saloon hoppers; brass machine screws; 432 street-sweeping brooms; 4500 lbs. laundry soap; 288 transfer cases; signal flags; 3000 FBM white oak; 1 ventilating fan, motor-driven, and 9 ventilators.

Specifications obtainable from the above office ad from the Assistant General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

BAKERSFIELD CITY

BAKERSFIELD, Cal.—Until Apr. 9 5 P. M., bids will be received by the Bakersfield city council, V. Van Riper city clerk, for furnishing one power sprayer, suitable for use by the Park Department in spraying trees.

Specifications obtainable from the city clerk.

INDIAN SERVICE

ALBUQUERQUE, N. M.—Until Apr. 12 bids will be received by the Superintendent of Construction, U. S. Indian Service, 305 Federal Bldg., Albuquerque, N. M., for furnishing one miscellaneous lot of iron pipe and fittings; oil burner and boiler; radiators; oil storage tank; various plumbing fixtures; hot water generator; sewer pipe and fittings.

Information available from the above office.

SAN CARLOS, Ariz.—Until April 17, 10 A. M., bids will be received at the office of the Project Engineer, U. S. Indian Irrigation Service, Coolidge, Arizona, for furnishing crossarms for transmission and distribution system, San Carlos Federal Project No. 261. The items are

(1) 200 cross arms, each 3¾x5¾-in. by 20 ft., f.o.b. bidder's shipping point (bids will be taken also f.o.b. on minimum carload weight Coolidge, Olberg, Florence, Kelvin, Ray Junction and Hayden, Ariz).

(2) 1500 cross arms, each 3¾x4¾-in. by 12 ft., f.o.b. bidder's shipping point (bids will also be taken f.o.b. on minimum carload weight at Coolidge, Olberg, Florence, Kelvin, Ray Junction and Hayden, Ariz.)

(3) 1400 cross arms, each 3¾x4¾-in. by 70 ft., f.o.b. bidder's shipping point (bids will also be taken f.o.b. on minimum carload weight at Coolidge, Olberg, Florence, and Casa Grande, Ariz.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until April 12, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 886, for furnishing:

36 AIR CLEANERS for 18 Schramm compressors, 240 cu. ft. displacement per minute.

2 AIR CLEANERS for 1 Davey Compressor, 142 cu. ft. displacement free air per minute.

6 AIR CLEANERS for 6 Rix compressors, 120 cu. ft. displacement free air per minute.

Delivery f.o.b. bidder's shipping point.

GOVERNMENT ISLAND, Cal.—Until April 9, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 887, as follows:

(1) 120 welded hoops, ½-in. deformed bars.

(2) 253 pieces straight bars.

(3) 8 pieces bolt stock.

Specifications obtainable from above office. Delivery f.o.b. bidder's shipping point, and/or f.o.b. Kentucky House.

Kentucky House is located on S. P. R. R. in Calaveras County.

GOVERNMENT ISLAND, Cal.—Until April 10, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 891, for furnishing one valve refacing machine, 5/16 to ⅝ stems capacity, provided with marked stops for grinding valves from 30° to 75°.

Specifications obtainable from above office.

Delivery f.o.b. bidder's shipping point.

GOVERNMENT ISLAND, Cal.—Until April 13, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 890 for the following:

(1) 152 miles of No. 9 BWG galvanized iron telephone wire;

(2) 15 miles of No. 12 BWG galvanized iron telephone wire.

Delivery f.o.b. Ogden, Utah. Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until April 16, 3 P. M., bids will be received by T. A. Brooks, Purchases of Supplies, 270 City Hall, for furnishing linseed oil shellac, turpentine, lead, litharge and putty for the term May 1 to August 31, 1934. Proposal No. 1169.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until April 9, 10 A. M., bids will be received by the State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation 37165; Req. 8718, for furnishing one 8-ft. hand-operated leaning wheel type grader.

Delivery f.o.b. Division of Highways, Shop 5, Hollister, Calif.

Specifications obtainable from above office.

OAKLAND CITY

OAKLAND, Cal.—Until April 17, 4:00 P. M., bids will be received under Schedule No. 50, by the Secretary of the Board of Education, Room 104, Administration Bldg., Oakland, for lumber, for the City School Department.

Specifications available from above office.

POST OFFICE DEPT.

GLENDALE, Los Angeles Co., Cal. —Until April 13, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furnishing 32 Venetian blinds for the Glendale Post Office. Proposal No. 1266.

U. S. BUREAU OF PRISONS

McNEIL ISLAND, Washington—Until April 13, 2 P. M., bids will be received by Director, Bureau of Prisons, Department of Justice, Washington, D. C., under Schedule No. 984 for furnishing and installing a heavy duty electric oven, capacity of 400 one lb. loaves, at the U. S. Penitentiary, McNeil Island, Washington.

ENGINEERING NEWS

NEWS INDEX

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21— BRIDGES

CONTRACT AWARDED

LEWIS COUNTY, Wash. — West Coast Constr. Co., Lloyd Bldg., Seattle, at $36,284 awarded conaract by Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for constructing a 260-ft. steel span with two 31-ft. timber approach spans as an extension to the existing bridge over the Cowlitz River near Nesika on State Road No. 5, in Lewis County.

D. Nygren, Seattle, at $36,841 submitted the second low bid; and Macrae Bros., Seattle, at $42,949 submitted third low bid.

CONTRACT AWARDED

KING COUNTY, Wash.—West Coast Constr. Co., Lloyd Bldg., Seattle, at $44,000 awarded contract by Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for constructing steel through truss (150-ft.) with teated pile and timber approach spans over Green River, and constructing a 51-ft. treated pile and timber trestle over Drainage Ditch in King County.

Gustafsen & Olsen Co., Seattle, at $47,607 and Andrew Sather, Seattle, at $48,237 submitted second and third low bids respectively.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for the construction of the Figueroa Street Tunnel No. 4, bids for which will be opened by the Los Angeles Board of Public Works April 11, 10 A. M., as previously reported, are:

Service Material Co., Ltd., 4656 W Pico.
C. S. Van Brundt, 801 S Grand View.
Martter & Bock, Ltd., 1007 South Harvard.
Walker-Martin Corp., Ltd., 1307 W. 48th Street.
Soule Steel Co., 6200 Wilmington.
Concrete Engr. Co., 1450 Mirasol.
R. F. Boyd, 810 S Spring Street.
L. E. Dixon Co., 609 S. Grand Ave.
Newberry Electric Corp,. 1038 Venice Blvd.
Floyd Shofner, 5670 Wilshire Blvd.
Western Pipe & Steel Co., 5717 Santa Fe Ave.
Apex Steel Corp., Ltd., 6147 South Eastern Ave.
Southern California Roads Co., 2145 E. 25th St.
Morrison-Kundson Co., 411 W 5th St.
Worthington Co., Inc., 5075 Santa Fe Avenue.
Fred E. Potts Co., Union Bank Bldg.
R. E. Campbell, 108 W. 6th St.
Henry Kaiser, 1522 Latham Square Bldg., Oakland.
Blue Diamond Co., Ltd., 1650 South Alameda Street.
D. W. Fether, W. W. Wilson Bldg., Huntington Park.
Graham Bros., Inc., 3425 Fowler St.
Massachusetts Bonding & Insurance Co., 458 S. Spring Street.

All the above addresses are in Los Angeles unless otherwise noted.

BIDS WANTED.

ARIZONA STATE.—Until April. 13, 2 P. M., bids will be received by T. S. O'Connell, State Highway Engineer Phoenix, for the construction of one timber bridge and 0.8 mile of approach roadway on the Kingman - Boulder Dam Highway approximately 40 mi. northwest of Kingman. Work involves

(1) 14,100 cu. yds. drainage excav.;
(2) 650 cu. yds. struc. excav.;
(3) 3,400 cu. yds. borrow excav.;
(4) 1,650 cu. yds. select material;
(5) 2,100 cu. yd. mile select material, haul;
(6) 89 MBM treated timber;
(7) 6 MBM untreated timber;
(8) 848 lin. ft. treated piling in timber bents.

Alternate Item: 101 MBM redwood timber and other incidental items.

Funds have been programmed for the construction of this project in the amount of $77,432. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed, the length of the project will be shortened.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for constructing the Tunnel Station Bridge on San Fernando Road at Tunnel Station, bids for which will be opened by the Los Angeles Board of Public Works April 11, 10 A. M., as previously reported, are:

Service Material Co., Ltd., 4656 W. Pico.
C. S. Van Brundt, 801 South Grand View.
Martter & Bock, Ltd., 1007 South Harvard Street.
Walker - Martin Corp., Ltd., 1307 W. 48th Street.
Soule Steel Co., 6200 Wilmington.
Concrete Engr. Co., 1450 Mirasol St.
R. F. Boyd, 810 S Spring Street.
Dimmitt & Taylor, 815 E. 95th St.
Creighton, Inc., 108 W 2nd St.
Oscar Oberg, 150 N. Vista.
D. A. Loomis, 676 W. Salem, Glendale.
Apex Steel Corp., Ltd., 6147 South Eastern Avenue,
John Oberg, 3470 E 8th Street.
Weymouth-Crowell Co., 2104 E 15th.
C. F. Graff, 5925 Barton Avenue.
Fred Potts Co., Union Bank Bldg.
R. E. Campbell, 108 West 6th St.
Blue Diamond Co., Ltd., 1650 South Alameda Street.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Graham Bros., Inc., 3425 Fowler St.
Massachusetts Bonding & Insurance Co., 458 S. Spring St.

All the above addresses are in Los Angeles unless otherwise noted.

CONTRACT AWARDED

SPOKANE COUNTY, Wash. — Andrew Sather, 8052 15th NE., Seattle, at $53,984 awarded contract by Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for constructing an undercrossing under the tracks of Northern Pacific Railway and constructing special riprap on south end of Latah Creek Bridge, State Road No. 3, Spokane South Entrance.

Interstate Engr. and Const. Co., Seattle, at $55,772 and Colonial Const. Co., Spokane, at $56,133 submitted second and third low bids, respectively.

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—H. A. Anderson, Rio Dell, at $665 awarded contract by Humbildt County Board of Supervisors, March 28, for the construction of a pile trestle bridge across Prairie Creek near Orrick, in Road District No. 5. The County will furnish the major part of the materials. Complete bids follow:

H. A. Anderson, Rio Dell	$665
W. S. Selvage, Eureka	766
Fred J. Maurer & Sons, Eureka	875
Smith Bros., Eureka	947

CONTRACT AWARDED

SACRAMENTO, Cal.—M. A. Jenkins 3560 Y St., Sacramento, at $11,850 was awarded contract by State Highway Commission, Sacramento, for widening a portion of the I Street bridge across the Sacramento river in Sacramento.

AWARD

ALAMEDA COUNTY, Cal.—Healy-Tibbitts Const. Co., 64 Pins St., San Francisco, at $26,433 awarded contract by State Highway Commission, Sacramento, for construction of a double reinforced concrete subway with reinforced concrete ramps and wing walls, installing drainage system and pumping equipment at Emeryville, Alameda County, at the Paraffine Companies plant, East Bay Approach to the San Francisco-Oakland Bay Bridge.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for constructing two bridges on Gaffey Street, one a concrete girder bridge of four 60-ft. spans with a 60-ft. roadway, on Gaffey Street, over Summerland, and the other a reinforced concrete arch bridge of 100-ft. span with a 45-ft. roadway on Elberon Ave. over Gaffey Street, under cash contract, bids for which will be opened by the Los Angeles Board of Public Works April 11, 10 A. M., as previously reported, are:

Service Material Co., Ltd., 4666 W. Pico.
C. S. Van Brundt, 801 South Grand View.
Martter & Bock, Ltd., 1007 South Harvard Street.
Walker - Martin Corp., Ltd., 1307 W. 48th Street.
Soule Steel Co., 6200 Wilmington.
Concrete Engr. Co., 1450 Mirasol St.
R. F. Boyd, 810 S Spring Street.
Dimmitt & Taylor, 815 E. 95th St.
Newbery Elec. Corp., 1038 Venice Blvd.
Creighton, Inc., 108 W 2nd St.
Oscar Oberg, 150 N. Vista.
Raymond Concrete Pile Co., Wash-

ington Bldg.
Apex Steel Corp., Ltd., 6147 South Eastern Avenue.
Massachusetts Bonding & Insurance Co., 458 S. Spring St.
C. F. Graff, 5925 Barton Avenue.
Fred Potts Co., Union Bank Bldg.
R. E. Campbell, 108 West 6th St.
Blue Diamond Co., Ltd., 1650 South Alameda Street.
Graham Bros., Inc., 3425 Fowler St.
All the above addresses are in Los Angeles.

BIDS WANTED

LOS ANGELES, Cal.—Until April 23 11 A. M., bids will be received by the Metropolitan Water District, Room 504 306 West Third St., Los Angeles, for furnishing approximately 2500 tons of liner plates and other fabricated steel for tunnel support for 15 ft. 3 in. and 16 ft. diameter tunnels, in accordance with Spec. No. 66, copies of which may be obtained at the office of the General Manager and Chief Engineer, F. E. Weymouth, Room 1007, 306 W. 3rd St., upon payment of $2.00 per set. Certified check or cashier's check for 10% must accompany each bid. The schedules and items are: (Note—No bids will be considered for less than all the items of a schedule):

SCHEDULE 1

Furnishing steel tunnel liner plates complete with bolts and other accessories. Schedules 1 and 2 are alternative to Schedule 3.

(1) 120 tons liner plates 16-in. wide by 37 11-16 in. or 18 27-32 in. long by $\frac{3}{16}$-in. thickness;
(2) 120 tons liner plates 16 in. wide by 37 11-16 in. or 18 27-32 in. long by 5-32 in. thickness;
(3) 1000 tons liner plates 16-in. wide by 37 11-16 in. or 18 27-32 in. long $\frac{1}{8}$-in. thickness;
(4) 100 tons liner plates 16-in. wide by 37 11-16 in. or 18 27-32 in. long by 7-64 in. thickness;
(5) 600 grout connections in liner plates.

SCHEDULE 2

Furnishing structural steel ribs complete with bolts and splices. Schedules 1 and 2 are alternative to Schedule 3.

(6) 60 tons ribs of 6-in. 12.5-lb. I-beams;
(7) 50 tons ribs of 5-in., 10.0-lb. I-beams;
(8) 450 tons of 4-in. 7.7-lb. I-beams.

SCHEDULE 3

Furnishing steel tunnel liner plates and structural steel ribs complete with bolts, splices, and other accessories. Schedule 3 is alternative to Schedules 1 and 2.

(9) 120 tons liner plates 16 in. wide by 37 11-16 in. or 18 27-32 in. long by $\frac{3}{16}$-in. in thickness;
(10) 120 tons liner plates 16 in. wide by 37 11-16 in. or 18 27-32 in. long by 5-32 in. in thickness;
(11) 1000 tons liner plates 16-in. wide by 37 11-16 in. or 18 27-32 in. long by $\frac{1}{8}$-in. in thickness;
(12) 100 tons liner plates 16-in. wide by 37 11-16 in. or 18 27-32 in. long by 7-64 in. in thickness;
(13) 600 grout connections in liner plates;
(14) 60 tons ribs of 6-in., 12.5-lb. I-beams;
(15) 50 tons ribs of 5-in., 10.0-lb., I-beams;
(16) 450 tons ribs of 4-in., 7.7-lb. I-beams;

SCHEDULE 4

Furnishing structural steel wall beams complete with splice plates and bolts.

(17) 260 tons wall beams 6-in., 20.0-lb., CH or 20.0-lb. BH or equal;
(18) 20 tons wall beams 6-in., 15.5-lb., BH or equal.

SCHEDULE 5

Furnishing structural steel columns complete with bolts.

(19) 40 tons columns 6-in., 20.0-lb. CH or 20.0-lb. BH, or equal;
(20) 150 tons columns 6-in., 15.5-lb. BH or equal;
(21) 130 tons 4-in., 13.0-lb. BH or 13.8 lb. CH, or equal.

Specifications have been issued to the following:

Pacific Iron & Steel Co., 241 West Avenue 26, Los Angeles.
F. D. Kyle, 5555 Magnolia Ave., Los Angeles.
Koppel Industrial Car & Equip. Co., 2416 E 16th St., Los Angeles.
Chas. Cooper & Co., 519 Relta Bldg., Los Angeles.
Commercial Shearing and Stamping Co., 138 Glenville Drive, Los Angeles.
Truscon Steel Co., 5480 E Slauson Ave., Los Angeles.

BIDS WANTED

WINSLOW, Arizona—Until April 18, 2:30 P. M., bids will be received by Arizona Highway Commission, Phoenix, for the removal and disposal of an old concrete bridge and the construction of a new concrete bridge culvert at the same location, in the City of Winslow, NRM 20 (AFE No. 531). The work involves:

(1) 20 sq. yds. 6-in. conc. pave.;
(2) 100 cu. yds. drainage excav.;
(3) 90 cu. yds. struc. excav.;
(4) 117 cu. yds. Class A concrete;
(5) 9,200 lbs. reinf. steel.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. Certified or cashier's check, 5%.

CONTRACT AWARDED

TILLAMOOK CO., Ore.—W. W. McFarland, Canby, Oregon, at $11,220 awarded contract by the Oregon State Highway Commission, Portland, for constructing a bridge over Little Nestucca river on Little Nestucca Secondary Highway near Dolph, National Recovery Project No. 214, in Tillamook County.

Sub-Contract Awarded.

ALAMEDA COUNTY, Cal.—MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco, general contractors on the Park Street Bridge, have awarded a sub-contract for plumbing to the Scott Co., 243 Minna St., San Francisco.

BIDS WANTED

ARIZONA STATE.—Until April 18, 2:00 P. M., bids will be received by the Arizona Highway Commission, Phoenix, for widening and lengthening an existing concrete arch bridge and the grading, draining and concrete paving of about 0.6 mile of approach roadway located about six miles east of Bisbee, on the Benson-Douglas Highway, NRH 11-A (AFE ....o. 8025). The work involves:

(1) 2,450 cu. yds. roadway excav.;
(2) 3,800 cu. yds. select material, CIP;
(3) 6,200 sq. yds. grading;
(4) 265 cu. yds. concrete;
(5) 22,600 lbs. reinf. steel;
(6) 6,240 sq. yds. concrete pave.;
(7) 4,560 sq. yds. removal of old pave.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. Certified or cashier's check, 5%.

BIDS OPENED

GOVERNMENT ISLAND, Oakland, Cal. — Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, for furnishing beam and truss spans:

Bid 873: One 55-ft. beam span, furnishing and fabricating all structural steel, bolts and miscellaneous steel portions necessary for complete erection. Delivery f.o.b. bidder's shipping point and/or f.o.b. Hilt, California:

Minneapolis Steel & Machinery Co., San Francisco, $711 f.o.b. Minneapolis; $1100 f.o.b. Hilt.
Dyer Bros. Golden West Iron Works, San Francisco, $900 f.o.b. San Francisco.
Judson - Pacific Co., San Francisco, $644 f.o.b. San Francisco; $791 f. o.b. Hilt.
Schrader Iron Works, San Francisco, $738 f.o.b. San Francisco.
Western Iron Works, San Francisco, $775 f.o.b. San Francisco.
Halsey Machine Mfg. Co., $817 f.o.b. San Bernardino; $1187 f.o.b. Hilt.
Moore Drydock Co., Oakland, $649 f. o.b. Oakland; $799 f.o.b. Hilt.
Herrick Iron Works, Oakland, $676 f. o.b. Oakland; $834 f.o.b. Hilt.
Golden Gate Iron Works, San Francisco, $720 f.o.b. San Francisco; $820 f.o.b. Hilt.
Independent Iron Works, Oakland, $900 f.o.b. Oakland; $1020 f.o.b. Hilt.
McClintic-Marshall Corp., San Francisco, $644 f.o.b. Alameda; $808 f. o.b. Hilt.

Bid 874: One 129-ft. 6-in. truss span, furnishing and fabricating all structural steel bolts for field connections, superstructure bolts, and all miscellaneous steel portions necessary for complete erection. Bridge pins, steel castings, and anchor bolts are not part of this contract. Delivery (1) f.o.b. bidder's shipping point and/or (2) f.o. b. Kentucky House, Calif., S. P. R. R.:

Independent Iron Works, Oakland (1) $2540 Oakland; (2) $2740 Kentucky House.
Halsey Machine Mfg. Co., (1) $3971 San Francisco; (2) $4271 Kentucky House.
Western Iron Works, San Francisco, (1) $2620 San Francisco.
Judson-Pacific Co., San Francisco, (1) $2645 San Francisco; (2) $2812 Kentucky House.
Dyer Bros. Golden West Iron Works, San Francisco, (1) $2476 San Francisco.
Minneapolis Steel & Machinery Co., San Francisco, (1) $2319 Minneapolis; (2) $2751 Kentucky House.
Herrick Iron Works, Oakland, (1) $2574 Oakland; (2) $2774 Kentucky House.
Golden Gate Iron Works, San Francisco, (1) $2150 San Francisco; (2) $2300 Kentucky House.
McClintic-Marshall Corp., San Francisco, (1) $2528 Alameda; (2) $2679 Kentucky House.

All bids held under advisement.

BIDS WANTED

TUCSON, Ariz.—Until April 19, 2 P. M., bids will be received by the Arizona State Highway Commission at Phoenix for constructing an underpass of reinforced concrete and appurtenances on the Tucson-Florence Highway, NRM 9 (AFE 528) within the City of Tucson, on Stone Ave. between approximately Toole Ave. and Sixth St. The work involves:

(1) 15,300 cu. yds. struc. excav.;
(2) 72,500 cu. yds. mi. haul on struc. excavation;
(3) 2,000 cu. yds. concrete;
(4) 312,000 lbs. reinf. steel;
(5) 2,000 lin. ft. vit. clay or concrete pipe, various sizes;
(6) 2,000 lin. ft. cast iron pipe, various sizes;
(7) 6,000 sq. yds. conc. pave.;
(8) furnish and place curbs, gutters, catchbasins, sidewalk, manholes, etc.;
(9) furnish and install a complete lighting system;
(10) pumping system.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

ADDITIONAL PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for the construction of the Figueroa St. Tunnel No. 4, bids for which will

be opened by the Los Angeles Board of Public Works April 11, 10 A. M., as previously reported, are:

Bechtel Co., 155 Sansome St., San Francisco; Ingersoll-Rand Co. of California, 1460 E. 4th St., Los Angeles; United Concrete Pipe Co., 1347 West 208th St., Los Angeles; Jos. I. Johnson, 810 S. Spring St., Los Angeles; Jahn & Bressi, 208 W. 8th St., Los Angeles, Geo. G. Pollock Co., P. O. Box 903, Sacramento.

APPLICATION FOR APPROVAL FILED

ORANGE COUNTY, Cal.—Application has been made by the Department of Public Works, State of California, for War Department approval of plans and location of concrete pile highway bridge across channel near northwest limits of Newport Bay, to replace nearby existing bridge. Drawings showing the location and plan of the proposed construction may be seen at the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until April 10, 11 A. M. Major H. H. Stockney, district engineer.

22—DREDGING HARBOR WORKS EXCAVATION

PLANS COMPLETED

SANTA MONICA, Cal.—Plans for a 3300-ft. extension to the Santa Monica Harbor breakwater have been completed in the office of the Commission of Public Works, H. C. Sanborn and will be presented immediately to the Federal Emergency Relief Administration in an effort to procure funds to finance construction. The proposed structure, which ties in with the original breakwater, will be located at the foot of California St., and will provide three times the present area of harbor. The proposed extension calls for a rock mound breakwater 16-ft. wide at the crest, 14-ft. above the low water line with side slopes of 1 to 1¼, with five per cent variation permitted in either direction. Specifications provide for for stone of 155 pounds per cubic foot above low water and 130 lbs. below. The total estimated quantity of rock is 360,000 tons based on 30 per cent voids, and 315,000 tons based on 40 per cent voids. A timber pier with sheet piling, 604 ft. in length and 24 ft. wide, will provide the first shore end section of the structure and will be so constructed as to control the currents and beach errosion. Present plans also contemplate the construction of a 750-ft. extension to the south, involving approximately 120,000 tons of rock. The extension is estimated to cost $750,000. Commisioner Sanborn is organizing a local citizens' committee to assist in promoting the project. If the city is successful in obtaining aid to construct the extension, the present 75-ft. extension of the Santa Monica municipal pier will be dismantled and the T-end of the pier improved and resurfaced with asphalt blocks. The 400-ft. stretch between the pier and the enrockment would be the only entrance under the new plans.

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until April 16, 5 P. M., bids will be received by the Stockton Port District, City Hall, Stockton, for dredging approximately 700,000 cu. yds. of material from south side of Stockton Channel and Slip No. 1, located approximately between U. S. E. D. Stations 82-57 and 98-00.

Plans and specifications obtainable from above office upon deposit of $20. B. C. Allin, Secretary.

CONTRACT AWARDED

RICHMOND, Contra Costa Co., Cal.—Standard Dredging Co., 325 Central Bldg., Los Angeles, at $5.88 per cu. yd. awarded contract by U. S. Army Engineer Corps, for dredging at Richmond Harbor, inveiving 36,580 cu. yds. Circular No. 28. Bids were opened at San Francisco February 13.

CONTRACT AWARDED

SAN DIEGO, Calif.—Sparks & McClellan, Newport Beach, at $8,280.00 awarded contract by Bureau of Yards & Docks, Washington, D. C., March 27, for dredging at pier at the Naval Operating Base (Air Station) San Diego; Spec. No. 7631.

BIDS WANTED

LOS ANGELES, Cal.—Until April 16, 2 P. M., bids will be received by the Los Angeles county supervisors for the construction of an earth levee, furnishing and placing of riprap and the construction of a railroad track on the east bank of the San Gabriel river, from the Pacific Electric Railway tracks, Whittier ranch, downstream 2-000 ft., involving:

(1) 35,000 cu. yds. for the placing of fill in levee, including all necessary excavation;
(2) 14,000 tons furnish and place riprap on levee slopes;
(3) 2,500 lin. ft. laying railroad track.

E. C. Eaton, chief engineer, 205 S. Broadway. Mame B. Beatty, 501 Hall of Records, clerk of the board.

NOTICE OF HEARING

VENTURA, Ventura Co., Cal.—April 26, 10 A. M., has been set as the date for a hearing by the War Department, Major H. H. Stickney, District Engineer, at the Council Chamber in the City Hall, California and Santa Clara Sts., Ventura, for proposed improvements to Ventura Harbor.

PERMIT ASKED

LOS ANGELES, Cal.—Application has been made by the Los Angeles Harbor Department for War Department permit to construct eight creosoted piling and timber frame piers in Fish Harbor, Terminal Island District, Los Angeles Harbor. Drawings showing the location and plan of the proposed piers may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until April 9, 11 A. M., or at the office of the Harbor Engineer, City Hall, San Pedro. H. H. Stickney, Major, Corps of Engineers, District Engineer.

BIDS TO BE ASKED

LONG BEACH, Cal. — Plans and specifications No. R-769 for the proposed sea wall to be built at Rivo Alto Canal, Naples Canal, and Colonnade Canal, Alamitos Bay, in the Naples District, were adopted by the Long Beach City Council March 30. Bids will be called probably within the next two weeks. The work will cost about $316,300, financed by Federal Public Works funds. The work will involve:

(1) 11,300 lin. ft. conc. sheet piling;
(2) Concrete coping;
(3) Pipe railing;
(4) Cement concrete walk.

ALLOTMENT APPROVED

SAN DIEGO, Cal.—An allotment of $1,800,000 for widening the main channel off North Island, was approved by the House, Rivers and Harbor Committee, Washington, D. C., March 29. This item will be included in a $100,-000,000 waterways projects bill to be introduced in the House of Representatives. The proposed San Diego project will involve widening the main ship channel off North Island to 2200 feet and depositing dredged material at the north beach to add about 450 acres to the naval air station land.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

LOS ANGELES, Calif.—English and Lauer, Inc., at $524.89 awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, for furnishing centrifugal pumps under Bid No. 21467. Other bids were:

Luitweiler Pump Co., $554.69.
Ingersoll-Rand Co. of Calif., $586.28.
Fairbanks, Morse & Co., $600.04.
Kimball-Krogh Pump Co., $642.88.
Layne & Bowler Corp., $643.94.
Byron-Jackson Pump Co., $668.94.
Buffalo Pumps, Inc., $696.
Weil Pump Co., $750.42.
American Pump Co., $820.59.
De Laval Steam Turbine Co., $860.30
Westco Pump Sales Co., $860.30.
Worthington Co., Inc., $863.73.
Oil Well Supply Co., $857.22.

CONTRACT AWARDED

BEVERLY HILLS, Cal.—Wallace & Tiernan Sales Corp., Los Angeles, at $627.50 awarded contract by Beverly Hills City Council, March 27, for furnishing a chlorinator.

Wallace & Tiernan Sales Corp., submitted only bid.

BIDS OPENED

SACRAMENTO, Cal.—Byer, Anderson & Stocker Co., 506 Y St., Sacramento, at $8219 submitted low bid to the Sacramento City Council, March 29, for furnishing nine dump bodies for use on the city's garbage trucks. Complete bids follow:

Byer, Anderson & Stocker Co...	$ 8,219
Palm Iron Works, Sacramento	8,287
Frank Z. Ahl, Sacramento.....	9,618
S. S. Albright, Sacramento.....	10,442
Western Pipe & Steel, S. F.....	11,217

All bids held under advisement.

BIDS OPENED

BERKELEY, Cal.—Following bids received by the U. S. Forest Service, California Forest Experiment Station, 332 Giannini Hall, University of California, Berkeley, for furnishing:

(1) Gasoline power driven engine to operate a 600-gal. per hour capacity deep well plunger pump;
(2) Deep well plunger pump of 600 gal. per hour capacity.

Pacific Pump & Supply Co., f.o.b. San Francisco (1) $225; (2) $921.15.
Fairbanks-Morse Co., f.o.b. San Francisco, (1) and 2), $1150.
Kratz & McClelland, f.o.b., San Francisco, (1) $258.
Woodin & Little, Inc., f.o.b., San Francisco, (1) $235; (2) $884; (1-alt.) $240; (2-alt.) $884; (1-alt.) $190; (2-alt.) $884.

All bids held under advisement.

CONTRACT AWARDED

BEVERLY HILLS, Los Angeles Co. Cal.—Waterworks Supply Co., 417 S. Hill St., Los Angeles, at $1,750 awarded contract by the Beverly Hills city council, March 27, for furnishing two Venturi meters.

Complete bids follow:

Waterworks Supply Co., L. A.....	$1,750
Bailey Meter Co., L. A.....	1,822
International Filter Co., L. A.....	2,045

Salisbury, Bradshaw & Taylor, Los Angeles, consulting engineer.

PURCHASED

LOS ANGELES, Cal.—The Metropolitan Water District has purchased four used air compressors for use on the aqueduct construction work from the following:

Macco-Lewis, Inc., two Gardner-Denver and one Ingersoll-Rand.

City and County of San Francisco, one Ingersoll-Rand.

The original bids for new equipment were taken under Spec. No. 65 and rejected as too high.

CONTRACT AWARDED

FORT MASON, Cal.—York Ice Machinery Corp., 234 Ninth St., San Francisco, at $433.57 awarded contract for furnishing two ammonia condensers, horizontal, enclosed shell and tube type, for Fort Mason, for delivery to the Department Quartermaster, Philippine Department, Manila, P. I. Complete bids follow:

York Ice Mchy. Corp., S. F.....$433.57
C. C. Moore & Co., S. F..... 493.00
Pelton Water Wheel Co., S. F. 571.43
Calif. Steel Products Co..... 347.00

CONTRACT AWARDED

LOS ANGELES, Calif.—Consolidated Steel Corp., Ltd., 6500 E Slauson Ave., Los Angeles, at $1096.75 awarded contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, March 31, for furnishing atmospheric cooling towers under Bid No. 21692. The other bids were: Binks Mfg. Co., $1384; Fluor Corp., Ltd., $1,654.04; Lamberth - Bell Co., $1752.83; Gay Engr. Corp. of California, $1861.20, and The Marley Co., $1861.20.

CONTRACTS AWARDED

SAN FRANCISCO.— O. N. Hirsch, Irvington, at $700 submitted the only bid under Sale No. 98 for one used Bodinson Duplex Classifier, and was awarded the contract by T. A. Brooks, Purchaser of Supplies, City Hall.

Blair & Friedman at $205 awarded contract for sale of one used Westinghouse Arc Welder. H. M. Schlick Products Co. submitted the only other bid for the welder at $110.

CONTRACT AWARDED

MARIN COUNTY, Cal.—White Co., 11th and Mission Sts., at $3,998.53 submitted only bid and awarded contract by Board of Trustees of Tamalpais Union High School District April 3 for furnishing one new White 31-passenger school bus.

CONTRACT AWARDED

SAN FRANCISCO.—Kelly Pipe Co., 525 Mission Rd., Los Angeles, at $0.401 per foot submitted only bid and was awarded contract under Sale No. 100 for the sale of 2000 ft. of 24-in. diameter 16-gauge used riveted blower pipe and 100 bands for same, by T. A. Brooks, Purchaser of Supplies, City Hall, San Francisco.

27—FIRE ALARM SYSTEM

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —W. K. Jennings, 58 Spring Grove Ave., San Rafael, at $2347 submitted low bid to Constructing Quartermaster Hamilton Field, for the installation of shutter coded signal siren at Hamilton Field. Following bids received:

W. K. Jennings, San Rafael.....$2347
Chas. Langlais, San Francisco.... 2476
Butte Elec. Co., San Francisco.... 2750

Bids held under advisement.

28—FIRE EQUIPMENT

BOND ELECTION

MADERA, Cal.—The Madera City Council has set April 9 as the date for holding a bond election in the sum of $9000 to purchase a fire truck and fire hose.

30—RESERVOIRS & DAMS

BIDS WANTED

FORT PECK, Mont.—Until April 11, as previously reported, bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of four diversion tunnels at the Fort Peck Dam, near Glasgow, Montana. Work will involve the construction of four concrete lined tunnels, eight vertical concrete lined gate-shafts, concrete inlet and outlet structures and lower portal cuts. Internal diameter of tunnels will be 28 ft. 2 -in., and each tunnel will be lined with concrete averaging approx. 27-in. in thickness. Tunnels will be drifted at 125 ft. centers for great part of length and will vary in length from 5200 ft. to 7150 ft., average length being approx. 6160 ft. Gate shafts will be located about 2400 ft. downstream from upper portal and four of them will be circular in cross section with inside diameter of about 60 ft. Other four shafts will be rectangular in cross section and have inside dimensions approx. 33x18. Each of the shafts will be 242 ft. high, of which height approx. 50 ft. will be above the surface of the ground, all shafts will be line, with concrete averaging 60-in. in thickness. It is believed that in the main all excavation for the tunnels and shafts will consist of the removal of Bearpaw shale.

The work involves:

(1) 308,000 cu. yds. open cut shale excavation;
(2) 718,000 cu. yds. open cut overburden excavation;
(3) 24,600 cu. yds. main tunnel excav.
(4) 144,000 cu. yds. shaft excav.;
(5) 8,100 cu. yds. excav. for cut off collars;
(6) 3,300,000 lbs. steel supports for main tunnels(furnish & place);
(7) 1,200,000 lbs. steel supports for shafts (furnish and place);
(8) 25,000 ft. timber supports for pilot tunnels (bents; furnish and place);
(9) 350 MFBM timber supports for pilot tunnels (laging; furnish and place);
(10) 280 MFBM sheathing and bracing for open cut excav. (furnish and place);
(11) 235,800 cu. yds. concrete in tunnel lining (place);
(12) 6,200 cu. yds. concrete in gate shafts (place);
(13) 8,100 cu. yds. do in cut-off collars (place;
(14) 16,000 cu. yds. do in intake struc. (place;
(15) 38,000 cu. yds. do in downstream portal and retaining walls for outlet works (place);
(16) 84,000 cu. yds. concrete in approach channel lining (place);
(17) 500 sq. ft. (100 sq. ft. each) gunite coating;
(18) 1,392,000 lbs. struc. steel for reinf. intake struc. and forming rack;
(19) 6,454,000 lbs. steel bars for reinf. concrete;
(20) 9,886,000 lbs. plate steel lining for shafts and shaft foundations;
(21) 30,000 square (100 sq. ft.) application of bit. spray waterproofing do;
(22) 3,000 ft. drilling grout holes;
(23) 10,000 lbs. grout pipes and connector (furnish and install);
(24) 600,000 lbs. steel sealing strips, (furnish and place);
(25) 85,000 lbs. bronze piling.

AWARD DEFERRED

SUNNYVALE, Santa Clara Co., Cal. Award of a contract to the low bidder, San Francisco Const. Co., Inc., 3159 Fillmore St., San Francisco, at $7,336 for the construction of a reinforced concrete revervoir, 350,000-gal. capacity, has been delayed until April 16 by the Sunnyvale City Council, contingent upon stipulations to be filed by the contractor assuring purchase of all materials from local dealers.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BONDS VOTED

SAFFORD, Arizona—The Town of Safford, Arizona, has approved the $133,000 bond issue which is to be used as a basis for a PWA loan of $184,000 to finance the construction of a new municipal water system at Bonita Canyon, abount 16 miles from Safford. The actual construction proposed will cost $169,489 .

BIDS WANTED

LOS ANGELES, Cal.—Until April 18 10 A. M., bids will be received by the Los Angeles Board of Public Works for the construction of a storm drain in a portion of Macy St. between Los Angeles river and a point 173 ft. west of Avila St., to serve the Union Passenger Terminal Station. The work will involve:

(1) 767.15 ft. reinf. conc. arch storm drain (10x10 ft.);
(2) 1070.42 ft. 120-in. concrete storm drain;
(3) 218.36 ft. 108-in. reinf. conc. pipe (DM);
(4) 12 ft. 30-in. do;
(5) 66 ft. 15-in. do;
(6) 138 ft. 12-in. reinf. conc. pipe;
(7) 1060.42 ft. special conc. cradle for 120-in. reinf. conc. pipe;
(8) 24 ft. 8-in. diameter pipe;
(9) 2 catchbasins, No. 38;
(10) 2 catchbasins, No. 39;
(11) 5 catchbasin frame frame and cover sets;
(12) 1 manhole BX;
(13) 1 manhole BX for arch;
(14) 1 manhole AX for pipe;
(15 12 supporting walls for exist. pipes
(16) 1 closing ends of pipes;
(17) 1 remove existing outlet struc.;
(18) 3 manhole frame and cover sets;
(19)10 ft. special transition for 120-in. storm drain;
(20) 11.17 ft. spec. junction struc. for R. C. arch to R. C. pipe;
(21) 1 outlet structure;
(22a) 35 ft. conc. reinf. for 12-in. pipe
(22b) 10 ft. do for 15-in. pipe;
(22c) 7 ft. do for 8-in. pipe;
(23) 11 sq. ft. 8-in. brick wall;
(24) 1 special catchbasin, No. 38;
(25) 1 supporting wall for sewer manhole.

The cost is estimated at $50,000.

BONDS DEFEATED

AZUSA, Los Angeles Co., Cal.—The $180,000 bond issue to finance the construction of a sewer system and a dosposal plant was defeated at the special election March 30. PWA loan and grant had been previously allotted for this purpose and the bonds were to have been issued as security.

BIDS OPENED

FORT PECK, Mont.—C. F. Lytle, Sioux City, Iowa, at $224,013.14 (bidding on vitrified pipe) submitted low bid to the U. S. Engineer Office, Kansas City, Mo., for constructing the sewage and water system at the Fort Peck dam site.

Complete bids follow:

Woodrich Const. Co., Minneapolis, Minn. (vit.) $296,986.30; (conc.) $296,720.30.

Addison-Miller, Inc., St. Paul, Minn. (vit.) $351,262.79; (conc.) $351,262.79.

Interstate Const. Co. and John Spitcaufsky, Kansas City, Mo., (vit.) $284,779.42; (conc.) $285,167.38.

Frazier-Davis Const. Co., St. Louis, Mo. (vit.) $261,857.71; (conc.) no bid.

S. Birch & Sons Const. Co. and J. A. Shaw Const. Co., Great Falls, Montana, and Fargo, N. D., (vit.) $253,178.78; (conc.) $255,790.58.

Gjellefald Const. Co., Forest City, Iowa (vit.) $283,392.30; (conc.) no bid.

Barnett & Record Co., Minneapolis, Minn. (vit.) $252,810.59 (conc.) same.

West Coast Const. Co. and Teufel & Carlson, Seattle (vit.) $295,295.24; (conc.) same.

Felding & Shepley, Inc., St. Paul, Minn. (vit.) $342,319.41; (conc.) no bid.

Construction Service, Inc., Peter Seerie, and Edw. Seerie, Denver, Colo., (vit.) $263,563.30; (conc.) no bid.

Lease & Leighland, Great Falls, Mont., (vit.) $287,413.86 (conc.) no bid.

BIDS OPENED AND REJECTED

MONTEREY, Cal. — W. J. Tobin, 3701 Balfour Ave., Oakland, at $112,-899 submitted the only bid to the Monterey City Council for construction of an outfall sewer and intercepting sewers. The bids was rejected as excessive. The city has available for the project bond money of $64,500 and a Public Works Administration grant of 30 per cent of the cost of labor and materials, estimated at $22,000. The contract involves:

(1) 800 lin. ft. 15-in. vitrified pipe;
(2) 2600 lin. ft. 21-in. vitrifieed pipe;
(3) 3150 lin. ft. 27-in. vitrified pipe;
(4) 110 lin. ft. 30-in. vitrified pipe;
(5) 1000 lin. ft. 24-in. cast iron pipe;
(6) 21 manholes;
(7) 267 cu. yds. concrete jacket;
(8) Lump sum outfall junction structure;
(9) 5000 B. F. redwood lumber.

PREPARING PLANS

PASADENA, Cal.—Otto Hedrick, Mechanical Engineer of the Municipal Light & Power Dept., is preparing plans for a preheater to treat the odors from the sewage disposal works, and a new filter. Estimated cost, $33,000, a portion of which will probably be paid by the cities of Alhambra and South Pasadena.

PLANNED

SUNSET BEACH, Orange Co., Cal. —Duke Hunt, Sunset Beach, consulting engineer, is preparing plans for remodeling the present treatment plant at Seal Beach, the construction of an outfall sewer and for a collection system to be built in the Sunset Beach Sanitary District. The project is being promoted jointly by Seal Beach and Sunset Beach. An application for PWA funds has been filed. The present treatment plant at Seal Beach is of the trickling filter type and the alterations propose to add capacity to serve an additional 5000 population. This work, including an outfall sewer consisting of 700 ft. of 10-in. cast iron pipe, is estimated to cost $50,765. The proposed collection system for Sunset Beach, estimated to cost $43,468, will involve:

(1) 12,000 ft. 8-in. vitrified sewer pipe;
(2) 11,000 ft. 6-in. vitrified sewer pipe;
(3) 8500 ft. 4-in. vitrified house connections;
(4) 49 standard manholes;
(5) 5 flush tanks.

LOW BIDDER

LOS ANGELES, Cal.—L. W. Odell, 6517 Drexel Avenue, Los Angeles, at $2515 submitted low bid to the Los Angeles Board of Public Works for constructing an extension to the by-pass at the Hyperion Treatment Plant. Work involves construction of the by-pass, about 286 ft. in length, of from 20- to 23-in. inside diameter.

33—. WATERWORKS

NOTICE OF HEARING

MERCED COUNTY, Calif.—Merced County Board of Supervisors has set April 17 as the date for hearing of a petition for formation of the Merced County Water Works District No. 1, in the town of Dos Palos and adjacent territory.

CONTRACT AWARDED

BEVERLY HILLS, Cal.—Fred W. Weber, 8442 California Ave., South Gate, at $7873.50 awarded contract by Beverly Hills City Council, March 27, for constructing a water line to the La Cienega District from Pruess well to a connection with the main on Gregory Way, involving:

(1) 1870 ft. 8-in. cast iron pipe;
(2) 2360 ft. 8-in. cast iron pipe; 770 ft. 14-in. cast iron pipe.

The work includes trenching and backfilling, furnishing and laying pipe. Complete bids follow:

Fred W. Weber, South Gate, (1) $2,-663.50; total; (2) $3216 (total 8-in.) $1994, (total 14-in.)
Franklin B. Gridley, Pasadena, (1) $1.47 lin. ft. 8-in.; (2) $1.47 lin. ft. 8-in.; $2.30 lin. ft. 14-in.
Mike Radich, Los Angeles, (1) $1.85 lin. ft. 8-in.; (2) $1.73 lin. ft. 8-in.; $2.85 lin. ft. 14-in.
Marko Matich, Los Angeles (1) $1.48 lin. ft. 8-in.; (2) $1.40 lin. ft. 8-in.; $2.53 lin. ft. 14-in.
Gogo & Rados, Los Angeles, (1) $1.55 lin. ft. 8-in.; (2) $1.40 lin. ft. 8-in.; $2.50 lin. ft. 14-in.
R. G. Whinery, Los Angeles (1) $1.64 lin. ft. 8-in.; (2) $1.55 lin. ft. 8-in.; $3.10 lin. ft. 14-in.

March 24.

PLANNED.

CARLIN, Nevada—Bonds have been voted and plans are being completed by City Engineer C. F. DeArmond, Elko, Nevada, for a complete water system for Carlin; estimated to cost $67,000, and also for a sewer project for that city estimated to cost $33,000.

BONDS VOTED

FALLON, Nevada.—Bonds in the amount of $100,000 have been voted by the City of Fallon for financing water system improvements in that city.

Prospective Bidder.

MARE ISLAND, Cal.—Permutit Co., 34 S. 17th St., Philadelphia, has procured a set of plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on April 11 for construction of a continuous blow-down water softening and chemical feeding system at the Navy Yard, Mare Island. Spec. No. 7610.

BIDS OPENED

SAN FRANCISCO—United Pipe & Supply Co., 727 Brannan St., San Francisco, submitted low bid to T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing under Bid No. 1166, standard wrought steel galvanized water pipe, as follows: (1) 35,000 ft. ¾-in.; (2) 1000 ft. 1-in.; (3) 1000 ft. ½-in. The bids were (1) $5.61 (2) $7.81; (3) $4.55. Identical bids at (1) $5.67; (2) $7.90; (3) $4.59 were submitted by the following San Francisco firms: P. E. O'Hair Co.; C. J. Henry Co.; City Pipe Co.; Walworth California Co.; Standard Supply Co.; Steam & Plumbing Service Co.; Baker, Hamilton, Pacific Co.; Olsen-Hefferman; E. E. Newhall Co.; Petroleum Equipment Co.; Tay-Holbrook Co.; Richmond Sanitary Co.; Gilmore Steel & Supply Co.; Grinnell Co. of the Pacific; Federal Pipe & Supply Co.; Marshall-Newell Supply Co.; General Machinery & Supply Co.; Pacific Plumbing, Heating Suply Co.; A. J. Glesser & Co.; Pacific Pump & Supply Co.; Crane Co.; Woodin, Little & Co., Inc.; Sloss & Brittain and Stephen H. McCabe.

All bids held under advisement.

BIDS WANTED

LOMPOC, Cal.—Until April 17, 7:30 P. M., bids will be received by the Lompoc City Council for furnishing pipe and fittings, f.o.b. Lompoc, as follows:

1200 ft. 8-in. Class 150, Duplex Simplex cast iron pipe. Various cast iron fittings necessary for the Job, or equal.

Alternate

1200 ft. 8-in. Class C Transite pressure pipe with Simplex couplings.

Detailed list and specifications for this material will be on file in the office of the City Clerk and also in the office of the Lompoc Light & Water Department. G. E. Bates, City Clerk.

BIDS OPENED

SALT LAKE CITY, Utah — A. H. Walsh, Salt Lake City, at $9115 submitted low bid to Veterans' Administration, Washington, D. C., for constructing a lawn sprinkling system at the Veterans' Administration Facility, Salt Lake City, Utah. Following bids received:

A. H. Walsh, Salt Lake City	$ 9,115
Taylor & Moody, Maywood	9,586
Carl Pieper, Salt Lake City	9,889
Brooks of Calif., Los Angeles	10,475
Muellermist of Illinons, Oak Park, Illinois	10,995
Christensen-Gardner, Inc., Salt Lake City	10,995
H. & K. Plumbing & Heating Co., Salt Lake City	12,000
Hayden-Long Plumbing Co., Salt Lake City	14,300
Johnson & Davis Plumbing & Heating Co., Denver, Colo.	15,960

Bids held under advisement

BIDS WANTED

MODESTO, Stanislaus Co., Calif.—Until April 11, 7:30 P. M., bids will be received by the Modesto City Council at the office of City Clerk H. E. Gragg, 717 10th St., for furnishing 5,-500 ft. welded steel pipe, soil-proofed, and miscellaneous fittings. Specifications obtainable from the above office.

BIDS OPENED

ALBUQUERQUE, New Mexico — Following bids received by the Indian Irrigation Service for furnishing Hog-back pumping plants for Albuquerque, New Mexico. Bids were opened Feb. 26. Bids were taken as follows

(1) Equipment for pumping plant A;
(2)Equipment for pumping plant B;
(3) Equipment for pumping plant Cl.
(4) Equipment for pumping plant D;
(5) Equipment for pumping plant E;

Complete bids follow

Worthington Pump & Mch. Corp., Harrison, N. J.: (1) $1487; (2) $5021; (3) $1050; (4) $2122; (5) $2249; alt. bids, (2($5420; (3)

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RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

$1244; (4) $1984; combination bids, $11,555; alt., $11,113; deduct $323 if delivery of pumps accepted f.o.b. Harrison, N. J.

Myers Co., Las Cruces, N. M., (1) $1,938.91; (2) $7710.90; (3) $1693.58; (4)$2804.85; (5) $3237.27; combination bid, $17,385.51.

Crane-O'Fallon Co., Albuquerque, N. M., (1) $2006; (2) $4830; (3) $1636; (4) $2341; (5) $2880; combination bid, $13,278.

Pomona Pump Co., Pomona, Calif., (1) $997; (2) $3676; (3) $820; (5) $1888 combination bid, $7381.

Allis-Chalmers, Milwaukee, (2) $4515; (3) $1412; (4) $2684.

Dayton-Dowd Co., Quincy, Ill., (1) $1365; (2) $4121, alt. $3990; (3) $1219; (4) $2316, alt. $2171; (5) $2658, alt. $2517; combination bid, $11,677, alt., $11,260; f.o.b. Farmington.

Stearns-Roger Mfg. Co., Denver, Colo. (2) $4977; (3) $1124; (4) $2251; alt. bids, (2) $5186 and $5150; (3) $1,1179 and $1091; (4) $2321 and $2251.

Pelton Water Wheel Co., San Francisco, (1) $1251; (3) $863.

Fairbanks-Morse, Los Angeles, (1) $1249.70, alt. $1036.84; (2) $3566.70; (3) $882.82; (4) $1838; (5) $2186.16; alt. bids, (2) $4834.40 and $3570.32; (3) $741.50; (4) $1823.80.

Victor Equipment Co., Kimball-Krogh Pump Div., Los Angeles, (1) $1554 (2) $5137; (3) $1131; (4) $2449; (5) $2305.

Layne-Bowler, Los Angeles, (1) $1635 (5) $2638.

Morris Mch. Works, Baldwinsville, N. Y., (1) $1553; (2) $5151; (3) $1,345; (4) $2261; (5) $2784.

Byron-Jackson Co., Berkeley, Calif., (1) $1186; (5) $2205; alt. bids, (2) $3940 and $4022; (3) $1085 and $955; (4) $2350 and $1764.

Peerless Pump Co., Los Angeles, (1) $1195; (2) $3995; (3) $879; (4) $1597 (5) $2291.

BOND ELECTION

GILROY, Santa Clara Co., Calif.—May 7 has been set as the date for the Gilroy electorate to vote on a $29,000 municipal waterworks improvement bond issue to secure a PWA allotment of $37,000. The money will finance construction of a new pipeline from the reservoir on Hecker Pass road to the city.

34—PARKS AND PLAYGROUNDS

CONTRACT AWARDED

SAN FRANCISCO. — Meyer Rosenberg, 1755 San Bruno Ave., at $2,469 awarded the contract by Constructing Quartermaster, Fort Mason, for seeding and planting the grounds of the new addition to the San Francisco Cemetery. Complete bids published

BIDS OPENED

MODESTO, Stanislaus Co., Cal.—L. B. Pickett, Modesto, at $370.00 submitted low bid to Custodian, Modesto post office, for seeding and planting at the post office grounds. It has been recommended to Washington that award be made to Mr. Pickett. Following bids received:

L. B. Pickett, Modesto	$370.00
California Nursery Co., Niles	375.00
Loomis Seed & Floral Co., Modesto	446.77
California Seed and Plant Co., Colma	453.50
West Coast Nursery Co., S. F.	627.00

BIDS WANTED

OREGON CITY, Oregon—Until Apr. 15, bids will be received by the Custodian, Oregon City Post Office, for seeding and planting grounds at the U. S. Post Office, Oregon City.

29—STREETS AND HIGHWAYS

AWARD RECOMMENDED

SIERRA COUNTY, Cal.—Award of a contract to Central States Contracting Co., Ltd., 344 High St., Oakland, at $159,984.30 for grading and placing crushed gravel subgrade reinforcement on Section A of Route 27, the Sierraville-Hobart National Forest Highway, Tahoe National Forest, in Sierra County, has been recommended by District Engineer, C. H. Sweetser, U. S. Bureau of Public Roads, 461 Market St., San Francisco.

Complete bids published March 28.

BIDS REJECTED

GRAYS HARBOR AND JEFFERSON COUNTIES, Wash.—All bids received March 27 by the Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for surfacing with crushed stone about five miles Swamp Creek north, and stockpiling crushed stone oil rock for about 34.45 miles, State Road No. 9, Quinault River to Cedar Creek, Federal Public Works Project, in Grays Harbor and Jefferson Counties, were rejected.

Doolittle Bros., Inc., Woodinville, at $52,467 submitted the low bid. Edward L. Edlund, Tacoma, at $64,482, and H. P. Dorsey Co., Bellingham, at $65,487 submitted second and third low bids respectively.

Bids on this project will be re-advertised for opening April 17.

BIDS REJECTED

JEFFERSON AND CALLAM COS.—All bids received March 27 by the Washington State Highway Commission, L. V. Murroy, Director of Highways, Olympia, for stockpiling about 18,550 cu. yds. of crushed stone surfacing and oil rock for about 88.0 mi. of State Road No. 9, Cedar Creek to Port Angeles, Federal Public Works Project, in Jefferson and Callam Counties, were rejected.

R. O. Dail, Aberdeen, at $40,392 submitted low bid. H. P. Dersey, Bellingham, at $53,325 submitted second low bid.

Bids on this project will be re-advertised for opening April 27.

AWARD

RIVERSIDE COUNTY, Cal.—Fredrickson & Watson and Fredrickson Bros., 873 81st Ave., Oakland, at $456,436 awarded contract by State Highway Commission, Sacramento, for grading about 24.3 miles and treating the central portion of the roadbed with fuel oil between Indio and Shavers Summit in Riverside County.

BIDS OPENED AND CONTRACT AWARDED

DOUGLAS, GRANT AND LINCOLN COS., Wash.—Standard Asphalt Paving Co., Chronicle Bldg., Spokane, at $54,057 awarded contract by the Washington State Mighway Commission, L. V. Murrow, Director of Highways, Olympia, for stockpiling about 11,760 cu. yds. crushed stone surfacing and oil rock material for about 71.8 mi. of State Road No. 2, Orondo to Almira, Unit 1 of F.P.W. Project. F. R. Hewett, Spokane, at $57,509, and Newport Constr. Co. of Portland, at $65,191 submitted second and third low bids respectively.

CONTRACT AWARDED

KING COUNTY, Wash.—Northwest Constr. Co., 3950 6th St. NW., Seattle, at $20,706 awarded contract by Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete about 1.0 miles of State Road No. 5, Kent Bridge approaches, Unit 1 of U. S. Public Wks. Project No. NRH 49-B, in King County.

Erickson Paving Co., Seattle, at $20,706 submitted the second low bid, and Florito Bros., Seattle, at $21,721 submitted third low bid.

CONTRACT AWARDED

LINCOLN COUNTY, Wash.—Mathieson Constr. Co., Sunnyside, Washington, at $15,320 awarded contract by the Washington State Highway Commission, L. V. Murrow, Director of Highways, Olympia, for stockpiling about 11,760 cu. yds. of crushed stone surfacing and oil rock material for about 13.7 miles of State Road No. 2, End of Pavement to Creston, in Lincoln County.

George D. Lyon, Spokane, at $15,549 submitted second low bid, and Standard Asphalt Paving Co., Spokane, at $15,575 submitted third low bid.

BIDS WANTED

ARIZONA STATE. — Until April 13, 10 A. M., bids will be received by T. S. O'Connell, State Highway Engineer Phoenix, for placing a cutback armor coat over existing pavement and cutback plant mix oil cake over a new alignment on the Benson - Douglas Highway, Tombstone city streets. The work involves:

(1) 930 cu. yds. rdwy. excav.;
(2) 6,000 cu. yds. imported borrow;
(3) 2,400 cu. yd. mi. imported borrow haul;
(4) 890 lin. ft. road guard (cable or steel plate);
(5) 631 tons armor coat;
(6) 769 tons plant mix;
(7) 87 tons cutback asphalt;
(8) 1,640 sq. yds. placing intersections;
(9) 127 cu. yds. screenings;
(10) miscellaneous items of work.

Funds have been programmed for the construction of this project in the amount of $13,500. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed, the length of the project will be shortened.

AWARD

SANTA CLARA COUNTY, Cal.—L. C. Casstedt, Watsonville, at $6,800 awarded contract by the State Highway Commission, Sacramento, for grading 0.4 miles in Santa Clara Co. between San Felipe and Bell Station.

AWARD

BUTTE CO., Cal.—A. G. Raisch, 251 Kearny St., San Francisco, at $12,441 awarded contract by State Highway Commission, Sacramento, for grading and surfacing the approaches to Pine Creek bridge, about 13 miles north of Chico, with bituminous treated crushed gravel or stone, in Butte County.

CONTRACT AWARDED

LOS ANGELES, Cal. — Arthur E. Pearson, 2225 Glencoe Ave., Venice, at $10,938.32 awarded contract by Los Angeles Board of Public Works, March 28, for improving 65th St., between Main St. and Broadway, under Cash Contract.

CONTRACT AWARDED

UMATILLA CO., Ore.—Joplin & Eldon, Colonial Blvd., and Peninsular, Portland, at $69,105 awarded contract by Oregon State Highway Commission, Portland, for surfacing 12.2 mi. of Meiner's Ranch-Pendleton Section of Pendleton - Cold Springs Highway, National Recovery Project No. 233-A, Umatilla County.

BIDS WANTED

HUMBOLDT COUNTY, Calif.—Until April 12, 11 A. M., bids will be received by the Humboldt County Board

of Supervisors at the office of Fred M. Kay, clerk, Court House, Eureka, for grading and surfacing 0.8 mile of the Arcata-Samoa road in Road District No. 5

Specifications obtainable from the county surveyor.

CONTRACT AWARDED

BENTON AIR FIELD—J. Catucci, 1212 18th Ave., Oakland, at $98,212.25 awarded contract by the War Department, Washington, D. C., for grading runways and placing rock underfill thereon, and for the construction and completion of a extension to the present drainage system at Benton Field Air Depot, Alameda.

BIDS WANTED

LOS ANGELES, Cal.—Until April 18, 10 A. M., bids will be received by Los Angeles Board of Public Works, for grading, paving and otherwise improving the streets in the Kingman Ave. and Estrada Drive Improvement Dist., under cash contract, involving:

(1) 8119 cu. yds. excav. and 5810 cu. yds. fill;
(2) 90,408 sq. ft. asph. conc. pave. 6-in. thick, (4-in. asph. conc. base; 2-in. asph. conc. wearing surf.);
(3) 1375 sq. ft. asph. conc. wearing surf. 4-in. thick;
(4) 240 sq. ft. asph. conc. wearing surface, variable thickness;
(5) 179 sq. ft. Class C resurf., 4-in. thick;
(6) 410 sq. ft. sidewalk, 3-in. thick;
(7) 483 sq. ft. do, 4-in. thick (driveways);
(8) 405 sp. ft. conc. sidewalk, 6-in. thick (driveways);
(9) 1310 lin. ft. unplastered light curb;
(10) 3332 lin. ft. rein. integral curb with concrete gutter 1-ft. wide;
(11) 1386 lin. ft. conc: gutter, 6-in. thick;
(12) Sanitary sewer, complete;
(13) 460 lin. ft. 6-in. house connection sewers (9-ft. deep);
(14) reconstruct ornamental lighting system, complete;
(15) 1449 sq. ft. white conc. traffic line, 6-in. thick, consisting of white conc., 2-in. thick, on asph. conc. base, 4-in. thick;
(16) 2 manholes to be reset.

Estimated cost, $20,712.

COMPLETE BIDS

HUMBOLDT COUNTY, Cal.—Albert Helwig, Sebastopol, at $5161.50, as previously reported, submitted low bid to Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer,, Eureka, for treating with fuel oil about 14.0 miles between Campbell Creek and Klamath River in Humboldt County.

The other bids were: C. F. Fredrickson & Sons, Lower Lake, $7233.10; Ransome Co., Emeryville, $7533.

BIDS WANTED

MARCH FIELD, Riverside, Calif.—Until April 9, 10:00 a. m., bids will be received by Constructing Quartermaster, March Field, Riverside, for reconditioning roads, March Field. Work involves:

(1) 1333 sq. yds. rein. conc. pave., 8-in. to 6-in. section (shoulders on 8-ft. pave.).
(2) 2251 sq. yds. 2½-in. emulsified asph. base and 1½-in. bitum. conc. wear. surf. with conc. curbs (officers' mess parking area).
(3) 7535 sq. yds. rein. conc. pave. 8-in. - 6-in. . 8-in. section with curbs.
(4) 356 sq. yds. rein. conc. pave. 8-in.-6-in.-8-in. section without curbs.
(5) 194 sq. yds. 2-in. emulsified asph. base and 1½-in. bitum. conc. wear. surf.
(6) 36 sq. yds. rein. conc. pave., 8-in.-6-in.-8-in., with curbs.
(7) 1072 ft. conc. curb.
(8) 8300 sq. ft. 4-in. conc. sidewalk.
(9) One 30-in., 14-ga. corr. galv. iron culvert with conc. apron, headwall and ramp.
(10) One 24-in. do.
(11) 245 sq. yds. patching and applying 1½-in. bitum. conc. wear. surf. (on exist. pave.).
(12) Conc. retaining wall along R. R. platform.

Lieutenant Chas. F. Fletter, Constructing Quartermaster. Plans and specifications obtainable upon deposit of $5.

BIDS WANTED

STATE OF WASHINGTON — Until April 17, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Washington, for highway construction and improvement as follows:

THURSTON COUNTY—TRESTLE

Constructing treated timber and steel girder and trestle 124 ft. long to carry the tracks of the Weyerhaeusr Lumbr Co. logging railroad over the new route of State Road No. 1, bet. Olympia and Nisqually in Thurston County, consisting of one 58 ft. steel, deck plate girder span, and four 16 ft. treated timber approach spans.

KITTITAS COUNTY—PAVING

Paving with Portland Cement Concrete about 8.0 miles of State Road No. 2, Snoqualmie Pass to Lake Keechelus, Federal Public Works Project, in Kittitas County.

KITTITAS COUNTY—SURFACING

Surfacing with crushed stone and constructing a bituminous mat by the road mix method on about 17.8 miles of State Road No. 2, Teanaway to Mountain Home, Federal Public Works Project in Kititas County, involving the placing from stockpiles of about 11,540 cu. yds. of crushed stone surfacing, placing from stockpiles 11,-260 cu. yds. of mineral aggregates, 3880 bbls. of SC-2 road oil, 143 tons of cutback asphalt RC-4, and other items.

GRAYS HARBOR AND JEFFERSON COUNTIES—SURFACING

Surfacing with crushed stone about 5 miles, Swamp Creek North, and stockpiling crushed stone oil rock for about 34.45 miles, State Road No. 9, Quinault River to Cedar Creek, Federal Public Works Project in Grays Harbor and Jefferson Counties, involving about 6260 cu. yds. of excavation, 22,610 cu. yds. of crushed stone surfacing and oil rock and other items.

JEFFERSON AND CLALLAM COS. STOCKPILING & SURFACING

Stockpiling about 18,550 cu. yds. of crushed stone surfacing and oil rock for about 88.0 miles of State Road No. 9, Cedar Creek to Port Angeles, Federal Public Works Project, in Jefferson and Clallam Counties.

PACIFIC COUNTY—TRESTLE

Constructing a treated timber pile trestle with concrete deck 997 ft. long over the Palix River on State Road No. 12, Federal Public Works Project in Pacific County, consisting of one 60 ft. steel girder span, and forty-nine 19 ft. treated timber spans.

KITSAP AND MASON COUNTIES—GRADING AND SURFACING

Grading and surfacing with crushed stone on about 8.6 miles of State Road No. 14, Tidewater Creek to Union River, Unit 1 of Federal Public Works Project in Kitsap and Mason Counties, involving about 76 acres clearing; 292,-740 cu. yds. excavation; 32,790 cu. yds. rock ballast or gravel borrow; 22,490 cu. yds. crushed stone surfacing and oil rock; 6020 cu. yds. shoulder material; 549 cu. yds. concrete; 87,560 lbs. steel reinforcing bars; 5871 l.in. ft. pipe culverts; and other items.

Plans and specifications obtainable from above office upon deposit of $2 per set.

BIDS WANTED

TEHAMA COUNTY, Cal. — Until April 13, 2 P. M., as previously reported, bids will be received by the Dept. of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Dist. II, Redding, for treating with fuel oil about 30.6 miles in Tehama County between the Junction of Route 29 and Route 3, westerly on Route 29 to Wells Creek.

The work requires 3850 bbls. heavy fuel oil.

BIDS OPENED

SAN DIEGO, Cal.—C. W. Gardner, Jr., C. W. Gardner, Sr., and A. W. Gardner, 445 E. Cypress Ave., Redlands, at $17,682 ($0.1684 per sq. yd.) submitted low bid to the Public Works Officer, 11th Naval District, San Diego, April 3 for improvement of the landing field (oiling Area "L") at the Naval Operating Base (Air Station), San Diego; Spec. 7658.

Work consists of treating an area indicated as "Area L" (approximately 105,000 sq. yds.) by grading, loosening of the soil, oiling, mixing and compacting to form an additional airplane runway.

The other bids were:

Miracle Co., San Diego, 16.9c.

Martin Bros. Trucking Co., Long Beach, 17.4c.

B. G. Carroll, San Diego, 17.83c.

R. E. Hazard Contr. Co., San Diego, 20.25c.

LOW BIDDER

SAN LUIS OBISPO COUNTY, Cal. —John Fesler, P. O. Box 481, Santa Maria, at $1,215 ($16.20 per cu. yd.) submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for constructing curbs and gutters in San Luis Obispo County in the city of Arroyo Grande between Nelson St. and the east end of the bridge across Arroyo Grande creek. Work involves approximately 1036 lin. ft. curbs and gutters to be constructed.

BIDS WANTED

PHOENIX, Ariz.—Until April 19, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for widening and resurfacing the existing pavement on East Van Buren St. between Central Ave. and 16th St., in the City of Phoenix, on the Phoenix-Tempe Highway, N. R. M. 30-A (AFE No. 519).

The work involves:

(1) 13,950 sq. yds. grading under pave.
(2) 3,000 cu. yds. agg. base course;
(3) 10,725 tons asphaltic concrete and surface finish;
(4) 37,000 sq. ft. concrete sidewalk;
(5) 15,000 lin. ft. curb and gutter;
(6) 23 manholes;
(7) 5,000 lin. ft. concrete pipe, various sizes;
(8) removal of old pavement, curbs & gutters, sidewalks, etc.
(9) misc. items of work;

Specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

BIDS WANTED

SONOMA COUNTY, Cal.—Until Apr. 16, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, John H. Skeggs, District Engineer, District IV, Room 211, State Bldg., San Francisco, for treating with fuel oil as a dust palliative about 41.9 miles in Sonoma County between Duncan Mills and Mendocino county line. The work requires approximately 4,000 barrels of light fuel oil.

Plans and specifications obtainable from above office.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

April 4, 1934

COMPLETE BID LISTING

CLARK COUNTY, Nevada — As previously reported, Dodge Constr. Co. Inc., Fallon, Nevada, at $125,886.39 awarded contract by the Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for reconstructing 4.37 miles of Route 6, Section E-1, between 4.4 mi. southwest of Crystal and Crystal, including an underpass and a reinforced concrete bridge, involving:

(1) 55,100 cu. yds. rdwy. excav.;
(2) 22,193 cu. yds. select borrow;
(3) 1250 cu. yds. struc. excav.;
(4) 210 cu. yds. Class A concrete;
(5) 708 cu. yds. Class B concrete;
(6) 51,200 lbs. reinf. steel;
(7) 84,300 lbs. struc. steel;
(8) 1125 lbs. castings;
(9) 254 lin. ft. 15-in. CMP;
(10) 46 lin. ft. 18-in. CMP;
(11) 100 lin. ft. 24-in. CMP;
(12) 369 lin. ft. 2-ft. x 15-ft. laminated culvert;
(13) 36 lin. ft. 3-ft. x 2-ft. do;
(14) 46 lin. ft. 3-ft. x 3-ft. do;
(15) 36 lin. ft. 4-ft. x 4-ft. do;
(16) 78 lin. ft. 6ft. x 3-ft. do;
(17) 4.7 M.F.B.M. redwood;
(18) 1100 cu. yds. handlaid riprap;
(19) 28 remove headwalls;
(20) 426 lin. ft. remove culvert pipe;
(21) 28 lin. ft. relay culvert pipe;
(22) 26 monuments;
(23) Lump sum, shoo fly;
(24) 4.37 miles subgrade;
(25) 23,000 cu. yds. crushed gravel or stone surface;
(26) 96,192 gals. asph. road material Type SC-2;
(27) 7054 gals. asph. road material Type MC-2;
(28) 4.37 miles roadmix;
(29) 4.37 miles finish roadway.

Complete bids follow:

(A) Dodge Constr. Co., Fallon, $125,886.39.
(B) Gibbons & Reed Co., Salt Lake City, Utah, $127,878.10.
(C) J. A. Casson, Hayward, $129,407.87.
(D) Engineer's Estimate, $111,258.18.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)..	$ .47	$ .50	$ .70	$ .50
(2)..	.60	.50	.65	.60
(3)..	1.50	1.25	1.00	1.50
(4)..	25.00	27.00	25.00	20.00
(5)..	25.00	23.00	27.00	22.00
(6)..	.06	.065	.06	.06
(7)..	.07	.075	.06	.07
(8)..	.20	.20	.20	.15
(9)..	2.00	2.00	1.50	1.50
(10)..	2.50	2.30	2.00	2.00
(11)..	4.00	3.30	3.00	3.00
(12)..	4.25	4.50	2.50	2.25
(13)..	7.75	7.00	4.00	4.25
(14)..	9.25	8.50	4.50	4.75
(15)..	16.25	15.00	10.00	9.00
(16)..	18.75	17.50	12.00	10.00
(17)..	120.00	125.00	100.00	100.00
(18)..	3.50	6.00	3.00	3.50
(19)..	5.00	7.50	5.00	5.00
(20)..	.75	.75	.50	.75
(21)..	.75	.50	.50	.50
(22)..	3.00	3.00	2.00	3.00
(23)..	1500.00	2000.00	1500.00	1000.00
(24)..	100.00	150.00	150.00	150.00
(25)..	1.30	1.20	1.00	.90
(26)..	.07	.08	.06	.06
(27)..	.10	.11	.10	.09
(28)..	600.00	750.00	600.00	550.00
(29)..	100.00	200.00	150.00	100.00

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April 4, 1934

COMPLETE BID LISTING

CLARK and Nye Counties, Nevada. —As previously reported, Union Paving Co., 624 Call Bldg., San Francisco, at $111,982.84 awarded contract by the Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for construction of a portion of the State Highway system in Clark and Nye Counties between Indian Springs and 22 miles west, Route 5, Sections H, A and B1, a length of 22.01 miles.

Complete bids follow:

(A) Union Paving Co., San Francisco, $111,982.34.
(B) Gibbons & Reed, Salt Lake City, $116,268.61.
(C) Dodge Const. Co., Inc., Fallon, $120,193.18.
(D) J. A. Casson, Hayward, Cal., $125-639.24.
(E) Engineer's estimate, $118,607.68.

Unit quantities follow:

(1) 44 acres clearing and grubbing;
(2) 95,400 cu. yds. rdwy. excavation;
(3) 35,417 yd. sta. overhaul;
(4) 3350 cu. ydsfl. struc. excav.;
(5) 22.01 miles subgrade;
(6) 52,700 cu. yds. cr. gravel or stone surface;
(7) 242 cu. yds. Class B concrete;
(8) 32,800 lbs. reinf. steel;
(9) 232 lin. ft. 18-in. corru. metal pipe
(10) 2572 lin. ft. 24-in. corru. metal pipe;
(11) 1228 lin. ft. 30-in. corru. metal pipe;
(12) 392 lin. ft. 36-in. CMP;
(13) 250 cu. yds. Class A concrete;
(14) 64 each monuments;
(15) 22.01 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$15.00	$18.00	$25.00	$20.00	$15.00
(2)....	.31	.34	.40	.32	.35
(3)....	.02	.03	.04	.02	.04
(4)....	1.00	1.25	1.00	.75	1.00
(5)....	100.00	120.00	100.00	100.00	100.00
(6)....	.80	.74	.75	1.00	.85
(7)....	28.00	30.00	27.50	30.00	25.00
(8)....	.05	.06	.07	.07	.07
(9)....	2.00	2.00	2.25	1.70	2.25
(10)....	3.00	2.95	3.00	3.50	3.00
(11)....	4.00	3.70	3.50	4.00	4.00
(12)....	5.00	5.70	5.00	6.00	5.50
(13)....	30.00	30.00	30.00	30.00	27.00
(14)....	2.50	3.00	3.00	3.00	3.00
(15)....	100.00	200.00	150.00	100.00	100.00

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BIDS OPENED

MONTEREY COUNTY, Cal.—Rocca & Caletti, P. O. Box 243, San Rafael, at $67,881 submitted low bid to State Highway Commission, Sacramento, for construction of a timber bridge across Dolan Creek 50 miles south of Monterey, consisting of one 180-foot arch span, nine 19-ft. stringer spans, and four 38-ft. girder spans, in Monterey County.

(A) Rocca & Caletti, San Rafael, $67,881.00.
(B) Bodenhamer Const. Co., Oakland, $76,452.00.
(C) Alfred H. Vogt Co., Inc., San Francisco, $77,642.
(D) M. B. McGowan, Inc., San Francisco, $ 88,466.

Unit quantities follow:

(1) 1,200 cu. yds. stripping;
(2) 870 cu. yds. struc. excav.;
(3) 125 cu. yds. Class A Port. cement concrete;
(4) 315 cu. yds. Class B do;
(5) 11,000 lbs. bar reinf. steel;
(6) 126,000 lbs. structural metal;
(7) 72 MFBM redwood timber dense select all - heart struc. grade arches;
(8) 272 MFBM redwood timber, dense select all-heart struc. grade;
(9) 11 MFBM do select all-heart struc. grade;
(10) 1 lot misc. items of work.

	(A)	(B)	(C)	(D)
(1)....	$ 1.50	$ 1.50	$ 1.00	$ 2.25
(2)....	1.50	3.00	3.50	2.75
(3)....	24.50	28.00	22.00	22.00
(4)....	24.50	27.00	22.00	19.00
(5)....	.05	.057	.06	.06
(6)....	.06	.08	.09	.07
(7)..	184.00	200.00	184.00	350.00
(8)..	114.00	115.00	127.00	140.00
(9)....	100.00	150.00	105.00	145.00
(10)..	530.00	2000.00	2000.00	283.50

COMPLETE BID LISTING

ORMSBY COUNTY, Nev. — As previously reported Jack Casson, Hayward, Calif., at $38,306.16 awarded the contract by Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for grading and surfacing 1.25 miles of Route 3, Sections A2, B and C1, between south city limits and north city limits of Carson City.

Complete bids follow:

(A) Jack Casson, Hayward, $38,306.16.
(B) J. C. Compton, McMinnville, Ore., $44,346.94.
(C) Union Paving Co., San Francisco, $45,474.14.
(D) Engineer's estimate, $38,342.60.

Unit quantities follow:

(1) 1685 cu. yds. rdwy. excav.;
(2) 1382 sta. yds. overhaul;
(3) 600 cu yds. struc. excav.;
(4) 697 cu. yds. select borrow;
(5) 12 150 sq. yds. subgrade;
(6) 3375 cu. yds. crushed gravel or stone base;
(7) 229.50 M. gals. water;
(8) 12 cu. yds. Class A concrete;
(9) 750 lbs. reinf. steel;
(10) 2100 lbs. castings;
(11) 406 lin. ft. 8-in. CMP;
(12) 130 lin. ft. 15-in. CMP;
(13 1000 lin. ft. 18-in. CMP;
(14) 190 lin. ft. 24-in. CMP;
(15) 630 lin. ft. remove culvert pipe;
(16) 34 lin. ft. relay culvert pipe;
(17) 40 cu. yds. remove concrete;
(18) 495 lin. ft. remove fence;
(19) 495 lin. ft. reconstruct fence;
(20) 204 tons emulsified asphalt penetration;
(21) 92 tons emulsified asphalt, mixing
(22) 2500 tons corase aggregate;
(23) 420 tons key rock;
(24) 528 tons screenings;
(25) 50 sq. yds. repair base;
(26) 4680 lin. ft. concrete curb and gutter;
(27) 180 sq. yds. concrete gutter;
(28) 250 sq. yds. concrete sidewalk;
(29) 65 remove trees.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1).....	$ .90	$ .60	$ .29	$ 1.00
(2).....	.04	.02	.02	.05
(3).....	.90	1.30	.55	1.00
(4).....	1.00	.80	.78	.80
(5).....	.10	.10	.07	.07
(6).....	1.00	2.25	.79	1.00
(7).....	1.25	1.00	1.85	1.50
(8).....	25.00	35.00	46.50	25.00
(9).....	.07	.05	.09	.07
(10).....	.20	.06	.12	.20
(11).....	1.00	.75	1.55	1.00
(12).....	1.50	1.25	2.35	1.25
(13).....	2.00	1.50	3.10	2.00
(14).....	3.00	2.00	3.90	3.00
(15).....	.50	.50	1.55	1.00
(16).....	.50	.30	.23	.75
(17).....	4.00	3.00	5.50	5.00
(18).....	.10	.15	.03	.05
(19).....	.10	.30	.31	.10
(20).....	25.00	30.00	32.00	21.40
(21).....	27.50	30.00	36.00	21.40
(22).....	3.25	3.75	3.35	3.25
(23).....	3.25	3.75	4.15	3.50
(24).....	3.25	3.75	4.90	3.50
(25).....	4.00	3.50	4.90	4.00
(26).....	1.00	1.30	1.70	1.10
(27).....	4.00	3.00	1.95	4.00
(28).....	3.20	2.00	4.00	10.00
(29).....	30.00	23.00	10.00	.....

COMPLETE BID LISTING

MINERAL COUNTY, Nev.—As previously reported, George Pollock Co., P. O. Box 903, Sacramento, at $143,308.33 awarded contract by the Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for reconstructing 20.02 miles of Route 3, Sections A2 and B1, between Rhodes and 3.3 miles west of Luning. Complete bids follow:

(A) George Pollock Co., Sacramento, $143,308.33.
(B) Isbell Const. Co., Carson City, $149,104.75.
(C) Union Paving Co., San Francisco, $164,805.44.
(D) Engineer's estimate, $174,898.05.

Unit quantities follow:

(1) 68,300 cu. yds. rdwy. ecxav.;
(2) 14.422 sta. yds. overhaul;
(3) 88,760 cu. yds. select borrow;
(4) 3150 cu. yds. struc. excav.;
(5) 20.02 mi. subgrade;
(6) 63,800 cu. yds. crushed gravel or stone surface;
(7) 158 cu. yds. Class B concrete;
(8) 2700 lbs. reinf. steel;
(9) 296 lin. ft. 18-in. CMP;
(10) 470 lin. ft. 24-in. CMP;
(11) 32 lin. ft. 30-in. CMP;
(12) 2442 lin. ft. 36-in. CMP;
(13) 360 lin. ft. 24-in. vitrified pipe;
(14) 942 lin. ft. remove culvert pipe;
(15) 878 lin. ft. relay culvert pipe;
(16) 116 move pipe culvert headwalls;
(17) 58 remove pipe culvert headwalls
(18) 440,494 gals. asph. road material Type SC-2;
(19) 32,303 gals. asph. road material Type MC-2;
(20) 20.02 mi. roadmix;
(21) 20.02 mi. finish roadway;

Unit bids follow:

	(A)	(B)	(C)	(D)
1).....	$ .25	$ .25	$ .29	$ .30
2).....	.02	.02	.02	.03
3).....	.30	.32	.30	.40
4).....	1.00	1.10	1.50	1.00
5).....	100.00	50.00	100.00	100.00
6).....	.45	.55	.70	.70
7).....	30.00	30.00	25.00	25.00
8).....	.06	.07	.05	.07
9).....	2.50	2.90	2.00	2.00
10).....	2.50	2.75	3.00	3.00
11).....	3.00	3.50	4.00	4.00
12).....	5.00	4.90	7.00	5.00
13).....	4.00	4.00	4.00	5.00
14).....	.50	.75	.50	.75
15).....	.50	.50	.50	.50
16).....	10.00	5.00	5.00	10.00
17).....	5.00	5.00	5.00	5.00
18).....	.065	.06	.06	.065
19).....	.095	.09	.12	.095
20).....	450.00	450.00	450.00	550.00
21).....	100.00	150.00	50.00	100.00

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CLARK COUNTY, Nevada—As previously reported, Silver State Const. Co., Fallon, at $6,812 awarded the contract by Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for contructing a reinforced concrete bridge .006 mile long near Mesquite in Clark County, Route 6, Section H-1. Complete bids follow:

A) Silver State Const. Co., Fallon, $6,812.00.
B) Dodge Const. Co., Salt Lake City, $7,480.00.
C) J. J. Burke Co., Salt Lake City, $9,475.50.
D) Engineer's estimate, $8,590.00.

Unit quantities follow:

1) 5,200 cu. yds. rdwy. excavation;
2) 200 cu. yds. struc. excav.;
3) 158 cu. yds. Class A concrete;
4) 15,000 lbs. reinforcing steel.

Unit prices follow:

	(A)	(B)	(C)	(D)
1).....	$ .35	$ .40	$ .45	$ .50
2).....	.75	2.00	1.80	1.00
3).....	24.00	25.00	36.00	30.00
4).....	.07	.07	.0725	.07

COMPLETE BID LISTING

LINCOLN COUNTY, Nev.—As previously reported, U. B. Lee, San Leandro, Calif., at $25,479.62 awarded the contract by Nevada State Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, for construction of a roadmix asphaltic surface on 13.5 miles of Route 7, Section D-1, from Pioche to Stonehouse.

Complete bids follow:

(A) U. B. Lee, San Leandro, $25,479.62
(B) J. C. Compton, McMinnville, Ore., $25,521.81.
(C) Silver State Const. Co., Fallon, $26,156.55.
(D) Engineer's estimate, $28,806.08.

Unit quantities follow:

(1) 300,164 gals. asph. road material, Type SC-2;
(2) 21,936 gals. do, Type MC-2;
(3) 0.08 mile roadmix (37-ft. width);
(4) 0.30 mile roadmix (24-ft. width);
(5) 13.12 miles do (20-ft. width);
(6) 13.50 miles finish roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1).....	$ .055	$ .0575	$ .059	$ .06
(2).....	.10	.08	.08	.09
(3).....	600.00	700.00	500.00	1000.00
(4).....	500.00	500.00	700.00	650.00
(5).....	450.00	450.00	475.00	600.00
(6).....	50.00	25.00	20.00	50.00

29

BIDS OPENED

WALDPORT, Ore.—Lindstrom and Feigenson, 7923 NE Halsey, Portland, and Parker & Banfield and T. H. Banfield, 984 E. 17th, Portland, at $685,040 submitted low bid to the Oregon State Highway Commission, Public Service Bldg., Portland, for the construction of a reinforced concrete bridge 3,028 feet long with 24-ft. roadway and two 3-ft. 6-in. sidewalks, to carry the Oregon Coast Highway across Alsea Bay at Waldport, and consists of two 57-ft. concrete girder spans, three 150-ft. deck arch spans, one 154-ft. thru tied arch span, one 210-ft. thru tied arch span, one 154-ft. thru tied arch span, three 150-ft. deck arch spans, and 1,462 lin. ft. of viaduct.

Total bids follow:

(A) Lindstrom & Feigenson, Parker & Banfield and T. H. Banfield, Portland, $685,040.
(B) Northwest Roads Co., Park Rose, Portland, $685,930.
(C) Teufel & Carlson, Skinner Bldg., Seattle, $701,345.
(D) Gilpin Const. Co., Henry Building, Portland, $774,900.
(E) Mercer-Fraser Co., Eureka, Cal., and Geo. R. Cooke, Detroit, Mich., $863,175.

Unit quantities follow:

(1) 7,000 cu. yds. excavation;
(2) 200 cu. yds. excav. below elevation shown;
(3) 82,000 lin. ft. foundation piling;
(4) 2,200 cu. yds. seal concrete;
(5) 6,600 cu. yds. Class B concrete;
(6) 4,400 cu. yds. Class A concrete in arches;
(7) 2,900 cu. yds. Class A concrete in approaches;
(8) 2,800 cu. yds. Class D concrete;
(9) 2,000,000 lbs. metal reinforcement
(10) 300,000 lbs. structural steel;
(11) 6,200 lin. ft. concrete handrail.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)..	$12.00	$ 8.00	$ 7.35	$14.00	$12.00
(2)..	12.00	12.00	10.00	10.00	12.00
(3)	.46	.45	.3075	.35	.60
(4)..	18.50	19.00	25.60	18.00	28.00
(5)..	17.70	16.25	24.20	18.50	32.25
(6)..	29.00	33.00	25.00	40.00	32.25
(7)..	26.00	31.00	25.00	28.00	32.25
(8)..	22.00	24.70	25.80	27.00	32.25
(9)..	.045	.047	.0525	.0483	.04
(10)..	.08	.07*	.084	.07	.065
(11)..	4.00	3.60	3.50	5.50	4.50

All bids were referred to the Public Works Administration for examination and award of the contract will be made as soon as the recommendation is received; probably early next week.

BIDS OPENED

HARRINGTON POINT, Wash.—Parker-Schram Co., Couch Bldg., Portland, at $30,719.50 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, under Spec. 34-541 for construction of a pile and stone dike in Columbia river at Harrington Point, about 89 miles below Portland.

Complete bids follow:

(A) Parker-Schram, Portland $30,719.50
(B) Kern & Kibbe, Portland.. 31,603.70
(C) Gilpin Const. Co., " 34,503.70
(D) Engineer's estimate 36,803.00

Unit quantities follow:

(1) 46,500 lin. ft. piles, in place;
(2) 14.6 MFBM lumber, in place;
(3) 10,200 lbs. hardware, in place;
(4) 11,600 cu. yds. stone, in place.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$ .22	$ .25	$ .25	$ .30
(2).....	57.50	57.00	57.00	50.00
(3).....	.05	.0575	.0575	.066
(4).....	1.65	1.60	1.85	1.85

All bids held under advisement.

BIDS WANTED

MODOC COUNTY, Cal.—Until April 25, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with crushed gravel or stone about 2.7 miles in Modoc County between Lakeview Road and Cedarville, involving:

(1) 80,000 cu. yds. rdwy. excav., unclassified;
(2) 210,000 sta. yds. overhaul;
(3) 1,650 cu. yds. struc. excav.;
(4) 9,750 tons crushed gravel or stone surfacing;
(5) 2,370 M. gals. water;
(6) 445 bbls. heavy fuel oil;
(7) 268 lin. ft. 12-in. CMP;
(8) 1,450 lin. ft. 18-in. CMP;
(9) 86 lin. ft. 24-in. CMP;
(10) 84 lin. ft. 36-in. CMP;
(11) 68 lin. ft. 42-in. CMP;
(12) 80 lin. ft. 84-in. CMP;
(13) 228 lin. ft. 96-in. CMP;
(14) 65 cu. yds. rubble masonry;
(15) 5.4 miles new property fence, type A;
(16) 0.1 mile do, Type B;
(17) 16 each fence gates;
(18) 160 each culvert markers;
(19) 143 stations finishing roadway;
(20) 72 each monuments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer of San Francisco, Los Angeles, and the district in which the work is situated.

34—PARKS AND PLAYGROUNDS

BIDS OPENED

PETALUMA, Sonoma Co., Calif.—Frank Hoirup, 216 Bassett St., Petaluma, at $589.98 submitted low bid to Petaluma city council for furnishing pipe, sprinklers and other equipment and supplies necessary in the work of installing a sprinkler system in Hill Plaza Park. Following bids received:

Frank Hoirup, Petaluma $589.98
Ray Kynoch, Petaluma..... 599.09
M. P. Crinella Co., Petaluma 607.20
Crane Co., San Francisco..... 631.47
Scott Mchy. Co., San Francisco.. 636.53
Rex Hardware Co., Petaluma..... 639.00
Hagner Hdwe. Co., Petaluma..... 641.23
Grinnell Co., San Francisco..... 679.27
Schluckebier Hdw. Co. Petaluma 694.50
*Herman Lawson, S. F..... 998.00

*Included labor in bid (not considered.

Bids held under advisement until April 16.

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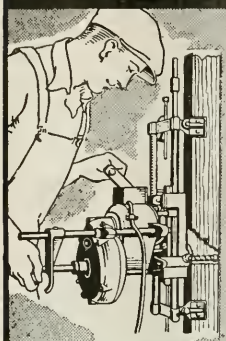
Unit Price Review

Vol. XVII—No. 15

APRIL 14, 1934

WAPPAT Electric TOOLS



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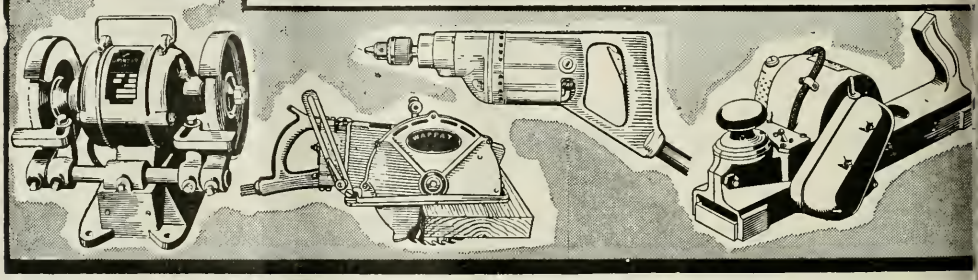

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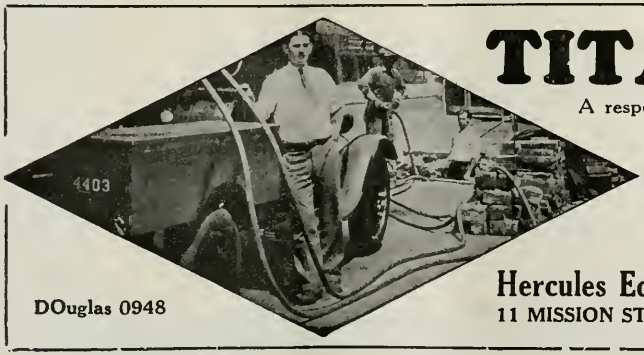

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Vol. XVII SAN FRANCISCO, CALIF., APRIL 14, 1934 No. 15

Low Bids on Five San Francisco Highway Contracts Total $326,000

SACRAMENTO, April 11.—Three contractors divided five state highway contracts in the city of San Francisco for which proposals were received today. The low figures aggregated $326,000.

Successful bidders were Fay Improvement Company and Eaton and Smith on two contracts each, the fifth going to A. J. Raisch Co.

Complete total bids on each contract follow.

1.3 miles between Bayshore Blvd. and Mission St. viaduct, paving with asphalt concrete:

Fay Improvement Co.	$56,325
Pacific States Const. Co.	56,928
Eaton and Smith	60,516
Charles L. Harney	61,844
Jones & King, Hayward	62,541
A. J. Raisch	65,873
Pacific Pavements Co.	74,062

1.5 miles on Sloat boulevard between Great Highway and Nineteenth avenue, widening and paving with portland cement concrete and asphalt concrete:

Eaton and Smith	$104,602
Fay Improvement Co.	105,566
A. J. Raisch Co.	106,534
N. M. Ball & Jones & King, Berkeley	$109,033
Peninsula Paving Co.	115,642
Charles L. Harney	118,750

0.7 mile on Bryant St. between Fifth street and Tenth street, widening and paving with portland cement concrete and asphalt concrete:

A. J. Raisch Co.	$69,461
Fay Improvement Co.	74,804
MacDonald and Kahn	78,697
Eaton and Smith	80,422
Charles L. Harney	87,599

0.9 mile between Van Ness Ave. and Division St., paving with asphalt concrete:

Fay Improvement Co.	$66,384
A. J. Raisch Co.	67,719
Eaton and Smith	69,684
MacDonald & Kahn	76,392
Charles L. Harney	78,218

0.3 mile between Waterloo street and Islais Creek channel, paving with asphalt concrete:

Eaton and Smith	$30,555
Fay Improvement Co.	30,953
Charles L. Harney	32,265
Pacific States Const. Co.	32,983
Pacific Pavements Co., Ltd.	40,636

BODENHAMER BID LOW ON SPILLWAY

SAN DIEGO, April 9—Bodenhamer Construction Co., Oakland, submitted the low bid to the San Diego city purchasing department today for constructing an extension to the spillway at El Capitan Dam. The bid was $197,700.

Other bids were received as follows:

Rohl-Connolly Co., Los Angeles, $235,235; Daley Corp., San Diego, $264,365; V. R. Dennis Construction Co., San Diego, $272,620.

Monterey Sewer Job Readvertised For Bids April 24

New bids are to be received Apr. 24 for constructing the Monterey outfall sewer and intercepting sewers. The city council has voted to receive new figures without any change in specifications but on contracts segregating the work in two parts.

Proposals will be accepted for the work complete or for either the marine portion or the land portion. A separate bid will be received on materials alone for the outfall line.

The council received only one bid when the contract was first advertised and this was rejected as excessive. It was for $112,899, while the estimate cost is $80,000, toward which the city has 64,500 in bond money and a promised PWA grant of $22,000.

OAKLAND PAVING CONTRACT BIDS TO OPEN MAY 2

Five Highway Projects Advertised By Commission Include Eastbay Work

SACRAMENTO, April 10.—Grading and paving of 1.1 miles between San Leandro and Oakland in Alameda county is one of the five contracts on which bids will be received by the State Highway Commission, May 2, it was announced today. Bids will be received on alternate specifications for asphalt concrete and portland cement concrete paving.

The contracts advertised today are the following.

ALAMEDA COUNTY: 1.1 miles between San Leandro and Oakland to be graded and paved with either asphalt concrete or cement concrete.

SANTA CRUZ COUNTY: 6.7 mi. surfacing with bituminous macadam and bituminous surfacing between Inspiration Point and Scotts Valley.

LASSEN AND MODOC COUNTIES: 92.2 miles between Litchfield and Alturas to be treated with heavy fuel oil.

PLUMAS COUNTY: 102.2 miles at various locations to be treated with road oil and fuel oil.

SAN DIEGO COUNTY: Construct overhead crossing near Carlsbad over the tracks of the Santa Fe railroad.

Orders booked for distillate oil burners for the months of January and February, 1934, including new orders and unfilled orders at the end of each month totaled 6,494, as compared with 11,881 for the same two months in 1933, according to reports to the Department of Commerce.

General Contract Registration Under NRA Code to Start Here on Monday

Registration of all general contracts let since March 18, as provided in Chapter II of the Construction Industry Code, will commence in Northern California and Nevada next Monday.

This announcement was made yesterday jointly by Floyd O. Booe and William E. Hague, managers respectively of the Northern California and Alameda County chapters of the Associated General Contractors. A.G.C. chapters are designated registration agencies under the general contractors code.

Registration forms will be available at the offices in San Francisco, 351 California street, and Oakland, 354 Hobart street. Other agencies throughout the state will be announced early next week.

The text of the announcement issued at A.G.C. offices here follows:

Facilities for the registration of all general contract work, in accordance with provisions of Chapter II of the Construction Industry Code, will be ready to function in Northern California and Nevada on April 16.

In accordance with the order of the Divisional Code Authority for General Contractors, all branches and chapters of the A.G.C. have been designated as registration agencies, under the supervision of the National A.G.C. office at Washington, and they are charged with the duty of perfecting plans for the registration of contract work undertaken by general contract subsequent to the effective date of the General Contractors Code, namely, March 19, 1934.

The registration agencies which are set up under this plan are expected to function in the interim, pending complete establishment of the local administrative committees for the General Contractors Code, and may even be continued after that date under the administration of such local committees.

Registration is required on each specific project on forms sent out from Washington and which will be available at all registration agencies. These forms must be filled out with six copies and, with the check or Money Order covering the proper registration fee, returned through the office of the A.G.C. for transmittal to the Divisional Code Authority at Washington. The fee is one-tenth of one per cent and applies on all work, whether public or private, on contracts of $2,000 or more. This fee is subject to readjustment on completion of the contract in the same manner as are contract bond premiums.

It is the understanding of the registration agency that the fee is to apply on work bid subsequent to March 18; and, for the present, only work undertaken under bids submitted subsequent to that date will be required to be registered. A clear ruling has not yet been made in regard to work undertaken under bids submitted between the effective date of the Construction Industry Code, namely, March 2, 1934, and on which contracts were actually signed either before or subsequent to March 19, 1934.

Registration of Public Works Contracts

For the present, it will be required that all public works contracts, whether Federal, State or Municipal, in Northern California and Nevada, be registered through the Northern California Chapter office, under the supervision of Mr. Booe as registration agent, at Room 821, Balfour Bulding, 351 California St., San Francisco. General contractors entering into contracts involving public works construction may request the proper forms either in writing or by personal call at the registration office.

Arrangements are being made whereby the State Department of Public Works will incorporate the required forms, with proper instructions, with the contract documents which are sent out to the general contractor from the head office in Sacramento. This will serve as a convenience to those who are bidding on State work. Efforts will also be made to perfect the same arrangements in regard to work of the Bureau of Public Roads and other Federal and public agencies; but pending completion of these plans, all those who have received an award of public contract on which bids were submitted subsequent to March 18 are requested to get in touch with the registration office, as above designated, for the proper forms and payment of fees.

Registering General Contracts for Private Work

Under the plans being developed, the A.G.C. Chapter will make provision for additional registration agencies in all of the important communities throughout the State. So far as possible, these agencies will consist of secretaries of local general contractors associations or similar groups interested in the construction industry; and the proper forms will be provided to these agencies. Such agencies will report through the A.G.C. Chapter offices, in accordance with the instructions which will be sent to them.

The present plan provides for utilizing, in San Francisco, the Code Coordination Office of the Contractors' License Bureau for the registration of work under $50,000. The Oakland A.G.C. office, under the supervision of Mr. Hague, will handle all registration in the East Bay territory.

Letters have been sent to the additional agencies above mentioned, asking them if they will undertake the work of assisting in registration of construction projects in accordance with the Code provisions; and, just as quickly as possible, the names of these agents and their addresses, and the territory they are to cover, will be announced.

Until the local Code Authorities are set up and ready to function, it is the plan to register all major contracts through the A.G.C. offices and, in accordance therewith, these special registration agencies will probably be requested to register work only up to $50,000 in value.

The Meaning of Registration

Under the Construction Industry Code, there will not be, at least for the present, a blanket enrollment of general contractors. It is understood, on the other hand, that every construction job will be separately registered and reported through the proper Divisional Code Authority in Washington; and there will later be returned a special registration certificate for display on each such job. Whether or not this procedure will be changed after local Code Authorities are established and functioning is not known at this time; but it is believed that, finally, the matter of registration, compliance forms, handling of fees, etc., will be largely delegated to the local Code Authorities.

In handling the registration thru the A.G.C. offices, a copy of the application form will be retained on file; it will be assigned a definite number, which will constitute compliance with the Construction Industry Code, pending return of the proper certificate from Washington; and, inasmuch as the orders of the Divisional Code Auhtority for General Contractors require the filing of the application within fifteen days after award of contract, all contractors should take due notice and should comply with this requirement. Checks or money orders which accompany the application must be made payable to the "Divisional Code Authority for General Contractors" and will be properly recorded, in course of transmittal, through the local registration agencies. A reproduction of the registration form is appended hereto for the general information of the industry as a whole.

Every effort will be made to make the matter of registration as simple and convenient to the applicant as possible and if the registration agencies originally established do not sufficiently cover the territory, additional assignments will be later made in order that proper facilities may be available in all parts of the State.

All of the A.G.C. Chapters in the State have been delegated the same authority and the proper facilities for registration will be set up under the jurisdiction of the respective chapters in their territory.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
86	Aldenhagen	Linder	1200
87	Sellers	Getz	2500
88	Quirk	Yrigoyen	1000
89	Assalino	Sharman	4800
90	Haley	Owner	1200
91	Shing	Lee	1000
92	Hirsch	Owner	2000
93	Western	Malloch	1500
93	Gilmore	Michel	3000
94	Rowles	Barrett	3300
95	Spiro	Mullen	10850
96	Modnock	Royal	1500

LTERATIONS
186) NO. 65 MERCED DRIVE. Alter dwelling.
wner—L. Aldenhagen, 4415 Anza St., San Francisco.
rchitect—Not Given.
ontractor—J. F. Linder, 617 Moraga Se., San Francisco. $1200

WELLING
187) S BALBOA ST. 107 E 23rd Ave. One-story and basement frame dwelling.
wner—E. and L. Sellers, 2301 Lincoln Way, San Francisco.
rchitect—Not Given.
ontractor — Sol Getz & Sons, 2301 Lincoln Way. $2500

EPAIRS
188) NO. 1580 OAKDALE AVE. Repair fire damage to dwelling.
wner—W. Quirk, Premises.
rchitect—Not Given.
ontractor—J. Yriogyen, 1746 McKinnon Ave., San Francisco. $1000

AVERN
189) NW HUNTER'S POINT BLVD. One-story and basement frame tavern.
wner—F. Assalino, 3700 Broderick St., San Francisco.
rchitect—Not Given.
ontractor—Thos. R. Sharman, 3700 Broderick St. $4800

DDITION
190) NW BAY SHORE BLVD. AND Crosgrove St. Add to auto supply station, 3 tanks, 3 gas pumps, 1 air pump and 1 lift.
wner—C. L. Haley, 95 26th Ave., San Francisco.
rchitect—Not Given. $1200

LTERATIONS
191) 909 GRANT AVE.; alter store.
wner—Sun Shing, 909 Grant Ave.
rchitect—Not Given.
ontractor—Sun Lee, 115 Waverly Pl. $1000

TATION
192) SE GEARY AND POLK STS. One-story brick service station.
wner — Jay Hirsch Tile Co., 1123 Post St., San Francisco.
rchitect—S. Heiman, 605 Market St., San Francisco. $2000

HED
193) NO. 1000 BRANNAN ST. (rear) One-story frame shed.
wner—Western States Grocery Co., 1000 Brannan St., San Francisco.
rchitect—Not Given.
ontractor—J. S. Malloch, 666 Mission St., San Francisco. $1500

UILDING
193) SW TENTH AND HARRISON Sts. One-story steel building.
wner—Gilmore Oil Co., Third and 18th St., San Francisco.
Architect—Not Given.
Contractor — Michel & Pfeffer Iron Works, Inc., 1415 Harrison St., San Francisco. $3000

ALTERATIONS
(194) N MARKET ST. opp. Valencia Alter service station.
Owner—F. M. Rowles, % Contractor.
Architect — F. E. Barton, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $3300

ALTERATIONS
(195) NO. 742 MARKET ST. Alter store.
Owner—Spiro Co., Market and Beale St., San Francisco.
Plans by N. B. Mears, 60 Rausch St., San Francisco.
Contractor — Mullen Mfg. Co., 60 Rausch St., S. F. $10,850

ALTERATIONS
(196) NO. 675 MARKET STREET. **New store front.**
Owner—Monadnock Bldg., 670 Market St., San Francisco.
Architect—E. G. Bolles and Royal Show Case Co., 770 McAllister St.
Contractor—Royal Show Case Co., 770 McAllister St., S. F. $1500

ALAMEDA COUNTY

157	Lyon	Owner	3150
158	Durkee	Owner	6000
159	Atkins	Jensen	11000
160	Sommarstron	Owner	3000
161	King	Parks	1200
162	Episcopal	Early	1000
163	Roby	Merritt	2000
164	Episcopal	Early	1000
165	Cook	Lynn	1500
166	Parker	Monez	4750
167	Cook	Lynn	1500
168	Huffschmidt	Owner	4900

DWELLING
(157) NO. 22 VETERAN WAY, **OAKLAND.** Two-story 5-room dwelling and one-story garage.
Owner—C. D. Lyon, 6501 Buena Ventura Ave., Oakland.
Architect—Not Given. $3150

OFFICE
(158) NO. 820 HEINZ ST., **BERKELEY.** One-story 1-room type 4 office and warehouse building.
Owner — Durkee Famous Foods, 2900 5th St., Berkeley.
Architect—Henry D. Oliphant. $6000

ALTERATIONS
(159) NO. 90 BOWLING DRIVE, **OAKLAND.** Alterations and addition to dwelling.
Owner—Frank Atkins, Campus Theatre, Berkeley.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland. $11,000

LAUNDRY
(160) NO. 887 THIRTIETH STREET **OAKLAND.** One-story brick and tile laundry.
Owner—E. Sommarstrom and Richard Fong, 251 Oakland Ave., Oakland.
Architect—Not Given.
Contractor — Ed. Sommarstrom, 251 Oakland Ave., Oakland. $3000

ALTERATIONS
(161) NO. 1950 SAN ANTONIO RD., **BERKELEY.** Alterations and additions.
Owner—W. W. King, Premises.
Architect—Not Given.
Contractor—R. F. Parks, 1046 Peralta Ave., Oakland. $1200

REPAIRS
(162) NO. 2624 WEST ST., **OAKLAND.** Fire repairs.
Owner—Episcopal Arch-Diocese, % F. M. Lee, 485 California St., San Francisco.
Architect—Not Given.
Contractor—Fred J. Early, 1629 Telegraph Ave., Oakland. $1000

ALTERATIONS
(163) NO. 1058 FIFTY-THIRD AVE., **OAKLAND.** Alterations.
Owner—Mrs. M. Roby, 1700 47th Ave., Oakland.
Architect—Not Given.
Contractor—Wm. Merritt, 1700 47th Ave., Oakland. $2900

REPAIRS
(164) NO. 2624 WEST ST., **OAKLAND** Fire repairs.
Owner—Episcopal Arch Diocese, % J. M. Lee, 485 California St., San Francisco.
Architect—Not Given.
Contractor—Fred J. Early, 1629 Telegraph Ave., Oakland. $1000

REPAIRS
(165) NO. 1415 TWENTY-THIRD Ave., **OAKLAND.** Fire repairs.
Owner—F. B. Cook, 1831 Tenth Ave., Oakland.
Architect—Not Given.
Contractor—Willis F. Lynn, 1037 Ashmount Ave., Oakland. $1500

DWELLING
(166) NO. 4016 OAKMORE ROAD, **OAKLAND.** Two-story 6-room dwelling.
Owner—Mr. Parker, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Contractor—A. H. Monez, 4350 Bridgeview Drive, Oakland. $4750

REPAIRS
(167) NO. 1409 TWENTY-THIRD Ave., **OAKLAND.** Fire repairs.
Owner—F. B. Cook, 1831 Tenth Ave., Oakland.
Architect—Not Given.
Contractor—Willis F. Lynn, 1037 Ashmount Ave., Oakland. $1500

DWELLING
(168) NO. 3130 CLAREMONT AVE., **BERKELEY.** Two-story 5-room frame dwelling and garage.
Owner—Huffschmidt & Whalen, 461 Tee Drive, Oakland.
Architect—Chester Treichel, 677 Haddon Road, Oakland. $4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

43	Cotugno	Isaac	12869
44	Iacono	Isaac	31138

FLAT BLDG.
(43) N JEFFERSON 121 E Fillmore St. E 29 N 159.375 W 25 S 59.375 W 4 S 100. All work for two-story and basement frame flat building.
Owner—P. Cotugno.
Architect—Sidney A. Colton, 544 Market St., San Francisco.
Contractor — H. H. Isaac, 1738 Page St., San Francisco.
Filed April 10, '34. Dated Mar. 15, '34.

1st floor in place	$2573.80
Roof on	2578.80
Brown coat plaster on	2573.80
When completed	2573.80
Usual 35 days	2573.80
TOTAL COST,	$12,869.00

Bond, $6435. Sureties, J. Di Cristina & Son; Victor Bryditzki and Eureka Elec. Co. of San Francisco. Limit, 110 working days. Forfeit, none. Plans and specifications filed.

FLAT BUILDINGS

(44) E FILLMORE ST. 100 N Jefferson N 59-9xE 125. All work for two two-story and basement frame flat buildings.

Owner—S. Iacono, 610 Lombard St., San Francisco.

Architect—Sidney A. Colton, 544 Market St., San Francisco.

Contractor — H. H. Isaac, 1738 Page St., San Francisco.

Filed April 10, '34. Dated Mar. 15, '34.

Rough 1st floor in place	$6227.60
Roof on	6227.60
Brown coat plaster on	6227.60
When completed	6227.60
Usual 35 days	6227.60
TOTAL COST,	$31,138.00

Bond, $15,569. Sureties, J. Di Cristina & Son; Victor Bryditzki and Eureka Elec. Co. of San Francisco. Limit, 110 working days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
27	Standard	Scott	19515
28	Pacific	Lund	1083

PLUMBING

(27) JONES AVE AND SAN LEANDRO Sts., Oakland. All work for plumbing in factory.

Owner—Standard Brands Co., Emeryville.

Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Contractor—Scott Co., 113 10th St., Oakland.

Filed Apr. 10, '34. Dated Mar. 6, '34

TOTAL COST, $19,515.91

Bond (performance), $19,515. Surety, Filedity & Deposit Co. of Maryland Limit, forfeit, none. Plans and specifications filed.

REMODELING

(28) NE A AND MAIN STS. Hayward. All work for remodeling office building.

Owner—Pacific Gas & Electric Co., 245 Market St., San Francisco

Architect—Not Given.

Contractor—Walter Lund, 480 Peralta St., Hayward.

Filed Apr. 10, '34. Dated Mar. 30, '34.

10 days after completion	75%
Usual 35 days	25%
TOTAL COST,	$1083

Bond, $1083. Surety, Fidelity & Deposit Co. of Maryland. Limit, 35 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

FENCE, $50; 1010 Ingerson St.; owner, Louis Mallegni, Premises.

SIGN, electric, $50; 2497 San Bruno Ave.; owner, Dr Shapiro, Prem.; contractor, Laib, 7th and Folsom.

ALTER flats, $200; SW Columbus Ave and Bay St.; owner, C. Cuneo Jr., 625 Market St.

ALTER dwelling, $90; 81 Glover St.; owner, J. Pagone, 267 24th St.; contractor, V. Lippy, 666 Mission.

SIGN, metal, $25; 349 Geary St.; owner, The Marie Co., Premises, contractor, Laib, 7th and Folsom.

ADD to dwelling, $200; 481 Yerba Buena Ave.; owner, W. Remensperger, Premises; contractor, Larsen & Larsen, 629 Bryant St.

ADD to apartments, $400; 337 Tenth Ave.; owner, J. Sutherland, 337 Tenth Ave.

SIGN, electric, $150; 625 Larkin St.; owner, Willow Tavern, 625 Larkin St.; contractor, QRS Neon Corp., 690 Potrero Ave.

SIGN, electric, $75; 1160 Market St.; owner, Richelieu Inn, 1160 Market St.; contractor, QRS Neon Corp., 690 Potrero Ave.

ALTER stores, $150; 2876 Mission St. owner, Home Owner's Bldg. Supply Co., Premises.

SIGN, metal, $75; Guttenberg and Mission Sts.; owner, Philip Liff, 215 Leavenworth St.

ALTER restaurant, $400; 3292 Mission St.; owner, S. Psycoges, Premises; contractor, E. Rosemont, 176 Duboce Ave.

SIGN, electric, $75; 424 Bush St.; owner, Baker's Buffet, Prem.; contractor, Electric Prod. Corp., 255 Golden Gate Ave.

ALTER stores, $485; 1132 Market St.; owner, J. Hevia, 1132 Market St.; contractor, Theo. Petrilsis.

REPAIR fire damage to store and flats, $400; 4464 Mission St.; owner, Mr. Farrah, 1734 Broderick St. contractor, L. Salomon, 1734 Broderick St.

GARAGE, private, one-story & basement frame, $150; 731 Rhode Island St.; owner, F. Homan, Prem.

SIGN, electric, $50; 2247 Mission St., owner, Restwell Mattress Co., 2247 Mission St.; contractor, QRS Neon Corp., 690 Potrero Ave.

DWELLING and office, one-story frame, $300; NE Buchanan and Jefferson Sts.; owner, H. S. Peterson, Premises.

GARAGE, private, $750; 1336 Larkin; owner, Elizabeth Dollar, 1336 California St.; architect, C. O. Clausen, 746 46th Ave.; contractor, Henry Doelger, 320 Judah St.

ADD to flats, $75; 12 Blake St.; owner, Margaret A. Fipal, 12 Blake.

ALTER dwelling, $200; 1376 Van Ness Ave. South; owner, Mrs. Bezera, 1376 Van Ness Ave. South.

ALTER office and store room, $200; 26 Chesley St.; owner, Charles Pengra, 66 Naples St.

STUCCO dwelling, $200; 395 Vermont; owner, Gus Garibaldi, Premises.

SIGN, electric, $150; 318 Columbus Ave.; owner, Ray Maiola, Prem.; contractor, Neon Sign Service Co., 1707 Folsom St.

ALTER store, $300; 726 Mission St.; owner, Incandescent Supply Co., 726 Mission St.

SHED, one-story frame, $200; 1826 Filbert St.; owner, Peter Cottura, Premises.

BARBER pole, $50; 144 Taylor St.; owner, John Samonlides, 144 Taylor St.

ALTER dwelling, $200; 2907 Diamond St.; owner, Anuthony Pardini, Prem.; contractor, Henry Erickson, 972 Chenery St.

STUCCO dwelling, $350; 1261 Noe St.; owner, Max Kolk, 1261 Noe St.

SIGN, electric, $140; 674 Broadway; owner, P. Cailhabot, Premises; contractor, Neon Sign Service Co., 1707 Folsom St.

ALAMEDA COUNTY UNDER $1000

RETAINING wall, concrete, $330; 417 Oakland Ave., Oakland; owner, H. A. Wyckoff, Premises; contractor, Ed. Doty & Son, 2481 26th Ave

FIRE repairs, $300; 1421 23rd Ave Oakland; owner, F. B. Cook, 1831 Tenth Ave.; contractor, Willis F Lynn, 1037 Ashmont Ave.

BILLBOARD, $50; N E-12th St. 100 E 9th Ave., Oakland; owner, Foster & Kleiser, 22nd and Market Sts.

ALTERATIONS, $500; 261 Fourth St. Oakland; owner, A. S. Day, 1420 Jackson St.; contractor, H. J. Christensen, 1955 Webster St.

FIRE repairs, $80; 2268R E-14th St. Oakland; owner, Koenig Estate, % Bank of America ; contractor, W. F. Lynn, 1037 Ashmount Ave.

ALTERATIONS, $190; 800 Calmar Ave Oakland; owner, Mrs. C. Helm, 800 Calmar Ave.

ALTERATIONS, $300; 2819 College Ave., Berkeley; owner, Walter Sorensen, 2940 Piedmont Ave.

FIRE repairs, $300; 1842 Addison St., Berkely; owner, H. M. Packard, 2104 Grove St.

RE-ROOFING, $180; 311 Cypress St. Oakland; owner, Home Ice & Fuel Co., 2508 Blanding Ave., Alameda, contractor, Wm. Kaplin.

SHED, $50; 7732 Foothill Blvd., Oakland; owner, O. F. Helmkamp, Premises.

FRUIT stond, $50; 6514 Telegraph Ave., Oakland; owner, S. D. Cohen, 3001 Grove St.

BARN, $350; 4200 Harborview Ave., Oakland; owner, C. P. Richmond, Premises.

REBUILD front steps, $45; 3030 Nicol Ave., Oakland; owner, E. J. McEntire, Premises.

FIRE repairs, $200; 2303 Market St., Oakland; owner, N. Campana, 1036 61st St.; contractor, A. H. Rose, 478 25th St.

ALTERATIONS, $350; 2301 Shattuck Ave., Berkeley; owner, Blanche L. Porter, Oakland.

ALTERATIONS, $100; 1788 San Lorenzo St., Berkeley; owner, Roy Damon, Premises.

ALTERATIONS, $50; 1924 Park Blvd., Oakland; owner, C. D. Clark, 209 Moss Ave.

ALTER basement, $270; 1629 68th Ave., Oakland; owner, Luigi Capacci, 1629 68th Ave.; contractor, G. Musso, 930 46th St.

ALTERATIONS, $200; 390 12th St., Oakland; owner, St. Marks Hotel, 390 12th St.; contractor, J. T. Caskey, 4125 Carson St.

ALTERATIONS and addition, $990; 6310 San Pablo Ave., Oakland; owner, J. Bernandon; contractor, M. E. Valente, 5118 Clarke St.

REPAIRS, $10; 2915 E-22nd St., Oakland; owner, Mrs. W. H. Fisher, 2915 E-22nd St.

PORCH addition, $125; 3840 Beaumont Ave., Oakland; owner, Mrs. Jennie Barton, 3840 Beaumont Ave.; contractor, E. W. Dahl, 2901 56th Ave.

GARAGE, one-story, $50; 5926 E-16th St., Oakland; owner, H. Weston, Premises.

ALTER for garage and basement, $225 4140 Montgomery St., Oakland; owner, Carl J. Macintire, Prem.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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17.—Theatres
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2— BONDS

BIDS REJECTED

ROSEVILLE, Placer Co., Calif.—R. H. Moulton Co., San Francisco, submitted the only bid to the Roseville City Council April 5 for a block of $250,000 of municipal water bonds. The bid offered 5¾% interest and a premium of $1,000.

The bids was rejected by the City Council.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until April 23, 10 A. M., bids will be received by Sacramento County Board of Supervisors, Sacramento, for the purchase of $16,500 of Arden School District bonds. The money obtained from the bonds will be used to finance purchase of school lots, the building or purchasing of new schools, and the alterations to existing schools, etc.

NO BIDS RECEIVED

ROSEVILLE, Placer Co., Cal.—No bids were received by the Board of Supervisors of Placer County, Auburn, April 3, for the sale of an $80,000 bond issue to finance construction of a new elementary school building and the improvement of two existing buildings.

3— CHURCHES

Contract Awarded.

CHURCH Cost, $30,000
SAN FRANCISCO. Fourteenth Ave. and Clement St.
One-story reinforced concrete and steel church (to seat 100); felt, gravel and terra cotta tile roof, some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect—F. W. Dakin, 625 Market St., San Francisco.
Contractor—Leo Epp, 4745 Geary St., San Francisco.

4— FACTORIES & WAREHOUSES

Sub-Contracts Awarded

FACTORY Cost, $4000
SAN FRANCISCO. SE Yosemite and Mendell Streets.
One-story frame and corrugated iron factory (composition roof).
Owner—Simon Mattress Mfg. Co., 1777 Yosemite Street.
Engineer—W. W. Hanscom, 848 Clayton Street.
Contractor—George Wagner, 181 South Park.
Readymix Concrete — Readymix Concrete Co., Carolina and Mariposa Streets.
Lumber—Spring Valley Lumber Co., 2401 San Jose Avenue.

Corrugated Asbestos Contract Awarded.

WAREHOUSE Cost, $7000
BERKELEY, Alameda Co., Cal. No. 826 Heinz Street.
One-story office and warehouse building.
Owner — Durkee Famous Foods, 2800 Fifth St., Berkeley.
Plans by H. D. Oliphant, 2915 Florida St., Oakland.
Corrugated Asbestos—Clarke E. Wayland, 675 Harrison St., San Francisco.

As previously reported, Structural steel awarded to Herrick Iron Works, 18th and Campbell Sts., Oakland.

CONTRACT AWARDED

INDIAN WELLS, Kern Co., Calif.—D. A. Loomis, 676 W. Salem Street, Glendale, at $4,672 awarded contract by Department of Public Works for the construction of maintenance station buildings in Kern County, as follows, Homestead Maintenance Station, Indian Wells, near Inyokern, consisting of one standard truck shelter, 30x 60 ft.; one standard gasoline and oil house, and one septic tank and leaching field. The work comprises excavation, concrete and masonry, carpentry and mill work, sheet metal work, painting, glazing, plumbing and electrical work.

Prospective Bidders.

FOUNDATIONS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Outer Harbor.
Concrete foundations for Rosenberg warehouse (work involves driving 976 green piles, 31 to 35 feet in length; 680 cu. yds. concrete; 60 tons reinforcing steel).
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Following have procured plans. Bids open April 16, 4:30 P. M.
Fredrickson & Watson, 873 81st Avenue, Oakland.
Pan Pacific Piling & Constr. Co., 2145 E. 25th St., Los Angeles.
A. W. Kitchen, 110 Market St., San Francisco.
Ben C. Gerwick, 112 Market St., San Francisco.
MacDonald & Kahn, Financial Center Bldg., San Francisco.
Barrett & Hilp, 918 Harrison St., San Francisco.
Lindgren & Swinerton, 225 Bush St., San Francisco.
Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.
A. B. Hauser, 411 Tuxedo Street, Stockton.
Schuler & McDonald, 1723 Webster St., Oakland.
W. E. Lyons, 354 Hobart St., Oakland.
Soule Steel Co., 1750 Army St., San Francisco.
Lee J. Immel, 1031 Evelyn St., Berkeley.
Duncanson Harrelson Co., deYoung Bldg., San Francisco.
Chas. R. McCormick, 461 Market St., San Francisco.
M. B. McGowan, 74 New Montgomery St., San Francisco.
Price Constr. Co., 1723 Webster St., Oakland.
Plans and specifications available from City of Oakland Port Commission upon deposit of $5.

Plans Completed.

WAREHOUSE Cost, $200,000
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two-story reinforced concrete warehouse (518x101 ft.), sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors, hydraulic elevator, 520 feet of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Bros., Oakland.
Bids will be asked in about one week.

Contract Awarded.

ADDITION Cost, $2,500
SAN JOSE, Santa Clara Co., Calif., S. E. Center and Julian Sts.
One-story addition to storage building.
Owner—Chase Lumber Co., W. Santa Clara St., San Jose.
Architect — Chas. McKenzie, Twohy Building, San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.

Contract Awarded.

ALTER FACTORY Cost, $2000
SAN JOSE, Santa Clara Co., Cal. NW San Fernando and Bush Sts.
Alterations to factory building.
Owner—Western Pacific Railway Co., Mills Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—G. M. Latta, 157 Rhodes Court, San Jose.

Preparing Working Drawings

FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner—Channel Pie Co., 3566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about 2 weeks.

Planned.

ADDITION Cost, $——
LOCAN, Fresno Co., Cal. Temperance and Ventura Avenues.
Three-story addition to packing plant (60,000 gallon steel water tank).
Owner—Bonner Packing Co., Locan.
Architect—Not Given.

To Be Done By Day's Work

WAREHOUSE Cost, $——
SEBASTOPOL, Sonoma Co., Calif.
Owner—Speas Mfg. Co., Sebastopol.
Plans by Owners.
Lumber—Hess Lbr. Co., Sebastopol.
Work is being done by day's labor under the supervision of the owner.

Contract Awarded.

EXTENSION TO PLANT $——
LODI, San Joaquin Co., Cal.
Reinforced concrete extension to fermenting plant (increase capacity to 1,000,000 gallons).
Owner—Roma Wine Co. (B. H. Turner, General Sales Mgr.), Lodi.
Engineer——Dodge & Searles, 142 Moss Ave., Oakland.
Contractor—L Franceschi, 100 Capra Way, San Francisco.
Construction will start shortly.

Sub-Contracts Awarded.

SAN FRANCISCO — K. E. Parker Co., 135 South Park, San Francisco, awarded the following sub-contracts in connection with the construction of a one-story steel frame and reinforced concrete pier shed, 111x574 feet, with 2-in. Redwood deck roof, plumbing

and electrical work, wrecking of present wooden shed and shop, etc. Cast $151,100.
Steel Sash and Steel Doors — Soule Steel Co., 1750 Army St.
Plumbing and Heating—F. W. Snook, 596 Clay St.
Sheet Metal—Morrison & Co., 74 Duboce Ave.

As previously reported Fay Improvement Co., Phelan Bldg., at $18,000 awarded contract for laying railroad track.

Contract Awarded
LAUNDRY Cost, $3500
OAKLAND, Alameda Co., Calif. 887 30th Street.
One-story brick and tile laundry.
Owner—E. Sommarstrom and Richard Fong, 251 Oakland Ave., Oakland.
Architect—Not Given.
Contractor — Ed. Sommarstrom, 2 5 1 Oakland Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $4000
SAN FRANCISCO. S Balboa St. 107 E Twenty-third Avenue.
One-story and basement frame and stucco residence.
Owner—E. & L. Sellers, 2301 Lincoln Way San Francisco.
Architect—Not Given.
Contractor—Sol Getz & Son, 2301 Lincoln Way, San Francisco.

Structural Steel Contract Awarded
WAREHOUSE Cost, $7000
BERKELEY, Alameda Co., Calif. 826 Heinz Street.
One-story office and warehouse building.
Owner—Durkee Famous Foods, 2 9 0 0 Fifth St., Berkeley.
Plans by H. D. Oliphant, 2915 Florida St., Oakland.
Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.
(4200) 1st report April 6, 1934.

Additional Sub-Contracts Awarded
FACTORY Cost, $14,000
OAKLAND, Alameda Co., Calif.
One - story and basement frame and brick factory.
Owner—Cardinet Candy Company.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor—J. J. Moore, 354 Hobart St., Oakland.
Brick Work—Wm. Sherratt, 3024 24th St., San Francisco.
Painting—Pacific Painting & Decorating Co., 5414 Telegraph Ave., Oakland.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and 10th Streets, San Francisco.
Structural Steel—Judson Pacific Co., foot of Park Ave., Emeryville.
Concrete and Paving—J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Lumber and Mill Work—T. P. Hogan, 2nd and Alice Sts., Oakland.
Glass—W. P. Fuller & Co., 259 Tenth St., Oakland.
Reinforcing Steel—McGrath Steel Co., 2059 Webster St., Oakland.
Sheet Metal—Airport Sheet Metal Works, Oakland.

As previously reported plastering contract awarded to Wm. Makin, 2151 Lexington Ave., Oakland; plumbing to Carl T. Doell, 467 21st St., Oakland.
(3946) 1st report March 3; 7th, March 31, 1934.

Construction Under Way.
MILK PLANT Cost, $——
GALT, Sacramento Co., Cal.
Powdered milk plant (capacity of 24,000 pounds per day).
Owner—Sego Milk Products Co.
Plans by Engineering Dept. of Owner.
Manager of Constr.—Louis S. Fetzer, Premises.

To Be Done By Day's Work
ADDITION Cost, $1500
STOCKTON, San Joaquin Co., Cal. 821 South Wilson Way.
Addition to frame warehouse.
Owner—Julius Horning, 821 S. Wilson Way, Stockton.
Architect—Not Given.

Bids Wanted—To Close May 2, 5 P. M.
COTTON COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One-story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.
Owner—City of Stockton (Port Commission) City Hall, Stockton.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).
Plans and specifications available from above office upon deposit of $50. Bids must be in by 5 o'clock and will be opened at 8 o'clock.
(3070) 1st report Nov. 16, 1933; 7th, April 4, 1934.

6— GARAGES & SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, $3000
REDWOOD CITY, San Mateo Co., Cal. Bayshore Highway and Main St.
Construct new service station.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.

PLANS COMPLETE
SANTA BARBARA, Calif.—General Petroleum Corp., 108 W. Second St., Los Angeles, has submitted plans to the Santa Barbara city building department for an automobile service station the corporation will erect at the northwest corner of State and Sola Sts., Santa Barbara.

To Be Done By Day's Work.
SERVICE STATION Cost, $2000
SAN FRANCISCO. NW Bay Shore Blvd. and Cosgrove St.
Addition to service station (3 tanks, 3 gas pumps, 1 air pump and 1 lift)
Owner—C. L. Haley, 95 26th Ave., San Francisco.
Architect—Not Given.

Plans Being Completed.
SERVICE STATION Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif. Pacific Ave. and Carthcart St.
Super service station.
Owner—Gilmore Oil Co., Third and 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner. Bids will be asked in about ten days

Contract Awarded.
GARAGE, ETC. Cost, $12,000
FRESNO, Fresno Co., Cal. No. 1662 Van Ness Avenue.
One-story garage and salesroom building (rest rooms, etc.)
Owner—Gilmore Oil Co., Blaskstone St., Fresno.
Plans by Engineering Dept. of Owner.
Contractor—J. T. Cowan, 423 Roosevelt St., Fresno.

Contracts Awarded
SERVICE STATION Cost, $12,000
SAN FRANCISCO. SE Geary and Polk Streets.
One-story brick service station.
Owner—Jay Hirsch Tire Co., 1123 Post Street.
Architect—S. Heiman, 605 Market St.
Contractor—Louis Cohn.
Plumbing & Wiring—Frank J. Klimm.
Equipment—Bowser Pump Co.
Pumps and Tanks—Wayne Pump Co.

Planned.
GARAGE Cost, $——
FRESNO. Fresno Co., Cal. 962 Van Ness Avenue.
Remodel building for garage and service station (new cement floor, driveways, etc.)
Owner—Louis Gundelfinger, 2201 Calaveras St., Fresno.
Architect—Not Given.
Lessee—Uriarte & Simensen, 4221 Iowa St., Fresno.

To Be Done By Day's Labor.
SERVICE STATION Cost, $14,000
MODESTO, Stanislaus Co., Cal. Ninth St., bet. I and J Sts.
New service station (Neon lights, etc.)
Owner—Standard Oil Co. (S. J. Cutherell, Modosto Branch Mgr.
Plans by Engineering Dept. of Owner.

Sub-Contracts Awarded.
SERVICE STATION Cost, $7000
SAN FRANCISCO. NE Taylor and Jefferson Streets.
One-story steel service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., Sa Francisco
Gas Piping and Pumps—Claude Vierhus, 1463 24th Ave.
Electric—Chas. Langlais, 472 Tehama Street.
Plumbing—Scott Co., 243 Minna St.
Reinforcing Steel and Mesh—W. S. Wetenhall, 17th & Wisconsin Sts.

Sub-Contracts Awarded.
SERVICE STATION Cost, $3000
REDWOOD CITY, San Mateo Co., Cal. Bayshore Highway and Main St.
Construct new service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Piling—Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.
Plumbing—Victor Doppee, 247 Iris St., Redwood City.
Reinforcing Steel and Mesh — Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

BIDS OPENED
ALHAMBRA, Los Angeles Co., Cal. —As previously reported, Schuler and McDonald, 1723 Webster St., Oakland, at $184,000 (Item 1) and $183,900 (Item 2) submitted low bid to Treasury Department, Washington, D. C., for the construction of a two-story reinforced concrete post office building on South Garfield Ave., Alhambra. John Walker Smart, 39 E. Main St., Alhambra, architect.

Following bids received:

Schuler & McDonald, Oakland	(1)	$184,000
	(2)	183,900
deduct	(3)	900
K. E. Parker Co., S. F.	(1)	$189,200
	(2)	189,200
	(3)	1,500
R. E. McKee, Los Angeles	(1)	$191,000
	(2)	190,900
	(3)	1,500
Murch Bros. Const. Co. St. Louis, Mo.	(1)	$198,000
	(2)	197,900
	(3)	800
J. K. Doolan, Pasadena	(1)	$199,874
	(2)	200,740
	(3)	.....
H. M. Baruch Corp., L. A.		$199,893
	(2)	201,593
	(3)	1,420

The following contractors' bids have not yet been received: Bannister-Field Co., Andy Sordal, Theodore A. Byer Corp., Sarver & Zoss and H. Mayson.

Construction To Start Shortly
SERVICE STATION Cost, $6000
SAN JOSE, Santa Clara Co., Cal. Market and Post Streets.
Construct new service station.
Owner—Associated Oil Co., Second & James Sts., San Jose (J. Derroil Chace, Manager).
Plans by Engineering Dept. of Owner.

Contract Awarded.
BUILDING Cost, $3000
SAN FRANCISCO. SW Tenth and Harrison Streets.
One-story steel building.
Owner — Gilmore Oil Co., Third and 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Michel & Pfeffer Iron Works, 1415 Harrison St., San Francisco.

Contract Awarded.
ALTER SERVICE STATION $4000
SAN FRANCISCO. N Market St. opp. Valencia Street.
Alterations to service station.
Owner—F. M. Rowles, % Contractor.
Architect—F. E. Barton, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Planned.
SERVICE STATION Cost, $——
SANTA ROSA, Sonoma Co., Cal. Sebastopol Ave. and N. W. Pacific Railway Tracks.
Super service station.
Owner — R. E. O'Neill, 646 A Street, Santa Rosa.
Architect—Not Given.
Further details will be announced shortly.

7—FEDERAL BUILDING

COMMISSIONED TO PREPARE PLANS
DENVER, Colo.—Architects T. H. Buell and Geo. M. Musick, Denver, have been commissioned by the Treasury Department to prepare plans for an addition to the U. S. customs house in Denver. The sum of $870,000 was recently allotted for the project.

SITE BIDS WANTED
SAN FRANCISCO.—Until May 1st, bids will be received by the Procurement Division, Treasury Department, Washington, D. C., for the sale or donation of a site approximately 40,000 square feet for the proposed new U. S. mint. Public Works Administration recently allotted $1,225,000 to finance construction of the proposed building.

BIDS WANTED
SEATTLE, Wash. — Until Tuesday, May 1, bids will be received by the Treasury Department, Washington, D. C., for all labor and material for waterproofing exterior masonry of all officers' quarters and attendants' buildings at the U. S. Marine Hospital, Seattle.

BIDS WANTED
ORANGE, Orange Co., Cal.—Treasury Department is taking bids for soil tests and a topographical survey of the new United States post office site at Chapman Ave. and Lemon Street, Orange.

BIDS WANTED
HAMILTON FIELD, Marin Co., Cal. —Until April 20, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for construction of alterations and additions to existing refrigeration equipment for fur storage room in Air Corps Warehouse, Hamilton Field. Plans and specifications available from above office.

BIDS WANTED
FRANCE FIELD, C. Z.—Until April 30, 10 A. M., bids will be received by Constructing Quartermaster, Ft. Mason, for the construction of one 110-man barracks and one 200-man barracks and utilities at France Field. Plans and specifications available from above office upon deposit of $15.00.
(3729) 1st report Feb. 14; 3rd, April 5, 1934.

BIDS WANTED
SAN FRANCISCO.—Until April 16, 10:00 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for the construction of a boiler room in Building No. 101, and chimney foundation, chimneys and low pressure steam heating systems in Buildings Nos. 91, 92, 93, 94 and 101, Main Post, Presidio, San Francisco.
Plans and specifications available from above office upon deposit of $5.

BIDS WANTED
SAN FRANCISCO.—Until April 16, 10:30 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for removal of twenty - two small oil burners; furnishing and installing twenty-two new oil burners at the Presidio, San Francisco.
Plans and specifications available from above office upon deposit of $5.

BIDS WANTED
PITTSBURG, Contra Costa Co., Cal. —Bids are being received by the Custodian, Pittsburg Post Office, for survey of site for the proposed new Post Office building at Pittsburg.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Meyer Constr. Co., 727 Portola Drive, San Francisco, at $88,045 awarded contract by Constructing Quartermaster, Hamilton Field, for the construction of nine one-story bungalow type, hollow tile company officers' quarters at Hamilton Field. There will be three Type H-1, three Type H-2 and three Type H-3.
Complete bids published March 29.

CONTRACT AWARDED
SAN DIEGO, Cal.—Expo Stucco & Art Marble Co., Foot of Juniper St., San Diego, at $5349 awarded contract by 11th Naval District for repairs to shower and toilet room floors at the Naval Operating Base (Training Station), San Diego. Spec. No. 7655.

BIDS WANTED
SAN FRANCISCO—Until April 13, 11 A. M., bids will be received by Public Works Officer, Twelfth Naval Dist., Room 518, 100 Harrison St., for plumbing, tile work, painting and plaster at Quarters No. 1, Naval Receiving Ship, Yerba Buena Island, San Francisco. Specification No. 7678. Plans and specifications available from above office upon deposit of $5.

BIDS WANTED
PACIFIC STATES—Custodian of the post offices in the following cities are receiving bids for surveying sites for proposed Post Office buildings:
Compton, Calif.; Ocanside, Calif.; Torrance, Calif.; Kingsman, Arizona; Bend, Oregon; Hood River, Oregon; Alamosa, Colo., and Waisenburg, Colo.

ADDITIONAL PROSPECTIVE BIDDERS
PORT TOWNSEND, Wash. — Following are additional contractors who have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Division, Washington, D. C., on April 23, ft the construction of buildings, boat basin, etc., at Port Townsend, Wash.:
Sheble Constr. Co., Securities Bldg., Seattle, Wash.
R. Rowntree, Lloyd Bldg., Seattle, Wash.
K. E. Parker Co., 135 South Park, San Francisco.
West Coast Constr. Co., Loud Bldg., Seattle, Wash.
Puget Sound Bridge & Dredging Co. 2929 16th Ave., S. W., Seattle, Wash.
Warrack Construction Co., MacDowall Bldg., Seattle, Wash.
A. F. Mowat, McDowall Bldg., Seattle, Wash.
Jos. Hub, 1247 Hermes Ave., Covington, Ky.
Libby & Libby Co., 244 2nd. Ave., Minneapolis, Minn.
Peder P. Gjarde, Lyon Bldg., Seattle Wash.
Emil Pohl, Railway Exchange Bldg., Seattle, Wash.

CONTRACT AWARDED
SAN FRANCISCO—A. Nelson, 242 Ocean Ave., at $90,000 awarded contract by War Department for the construction of a Marine Repair Shops Building with utilities at Fort Mason, San Francisco.
Complete bids published Feb. 24.

PREPARING SKETCHES.
SANTA MONICA, L. A. County, Calif.—Architects Henry Carlton Newton and Robert Dennis Murray, 502 Architects' Bldg., Los Angeles have received the program and are preparing revised sketches for the U. S. post office building to be built in Santa Monica. Cost $130,500.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Venor Company, 354 Hobart St., Oakland, at $2189.20 awarded contract by Constructing Quartermaster, Hamilton Field, for furnishing linoleum for non-commissioned officers' quarters at Hamilton Field.

8— CLUB BUILDINGS

Planned
LODGE BLDG. Cost, $7000
SEBASTOPOL, Sonoma Co., Cal. So. Main Street.
Two - story Class A concrete lodge building.
Owner—Sebastopol Post, American Legion.
Architect—To Be Selected.
Following committee appointed to interview architects and gather data for proposed building: A. M. Garcia, Dr. A. P. Sweetnam, Charles Tucker, H. B. Scudder and Dr. C. E. Marsh.

April 12, 1934

Contracts Awarded.
MASONIC HALL Cont. Price, $42,570
VISALIA, Tulare Co., Cal. S Locust St. and Mineral King Ave.
Two-story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system cooling system, maple floors, etc (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen small stage, etc.)
Owner—Masonic Temple Association.
Architect — P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Contractor—W. T. Harris, 577 McKinley Ave., Fresno.
Heating and Ventilating — Aladdin Heating & Ventilating Co., 5107 Broadway, Oakland, at $2725.
Complete bids published April .2.
(2170) 1st report July 8, 1933; 11th April 2, 1934. 8

PLANNED
MEMORIAL Cost, $52,000
YREKA, Siskiyou County, Calif.
Two-story reinforced concrete Memorial building (ball rooms, stage, orchestra pit, kitchen, checkrooms, rest rooms, etc.),
Owner—Roosevelt Post, American Legion.

Architect—Plans by Kenneth Garner, c/o American Legion, Yreka.
Application will be filed with the PWA for funds to finance construction.

Plastering Contract Awarded
LODGE Cost, $11,000
PITTSBURG, Contra Costa Co., Cal. School and Norton Streets.
Two-story frame and stucco Masonic Temple (40x70 feet; lodge rooms, club room, banquet hall, etc.)
Owner—Pittsburg Lodge No. 429, F. & A. M. (W. G. Buchanan, Master).
Architect—Not Given.
Contractor—G. E. Seeno, 1520 E. 2nd St., Pittsburg.
Plastering—Loule Rossi, Martinez.

Additional Sub-Contracts Awarded.
ADDITION Cost, $——
SAN FRANCISCO, California and Mason Streets.
One-story steel and concrete addition to club building for card room (32 by 50 feet).
Owner—Pacific Union Club, Premises.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Plumbing — Wm. J. Monihan, 1552 Fulton St., San Francisco.
Electric — NePage-McKenny Co., 7 Front St., San Francisco.
Heating and Ventilating—Alta Elec. Co., 467 O'Farrell St., S. F.

9— HOSPITALS

ADDITIONAL PROSPECTIVE BIDDERS

SAN FRANCISCO — Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Branch, Washington, D. C., on April 17 for the construction of an addition to the plague laboratory at the U .S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Estimated cost, $12,000:
Chambliss Co., Southern Building. Washington, D. C.
Frank J. Reilly, 6350 Fulton St., San Francisco.
Schuler & McDonald, 1723 Webster St., Oakland.
DeLuca & Son, 1745 Filbert St., San Francisco.

Additional Sub-Contracts Awarded.
HOSPITAL Cont. Price, $55,300
REDDING, Shasta Co., Cal.
Two-story reinforced concrete hospital (24x36 ft.) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Delchmann, 110 Sutter St., San Francisco.
Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.
Mill Work, Glass and Glazing — Diamond Match Co., Chico.
Window Shades—D. N. & E. Walter, 562 Mission St., San Francisco.
Ornamental Iron — Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Miscellaneous Iron—Mortenson Construction Co., 608 Indiana St., San Francisco.
Other awards reported April 4.

General Contract Awarded.
HOME Cont. Price, $157,000
SITKA, Alaska.
Three-story reinforced concrete pioneer's home (accommodate 50 patients), X-Ray room, solarium, offices, recreation, card room, morgue.
Owner—Pioneers' Home, Sitka.
Architect — Heath, Gove & Bell, Tacoma, Wash., and N. Lester Troast Juneau, Alaska.
Contractor — Warrack Constr. Co., MacDowall Bldg., Seattle.

Preparing Plans.
HOSPITAL Cost, $75,000
ELKO, Nevada.
Modern hospital building (accommodate 25 beds) for the Duck Valley Reservation.
Owner—United States Government.
Architect—J. Erickson, Chicago, Ill.
Plans will be forwarded to Washington for approval when completed, and bids will be asked.

CONTRACT AWARDED

FORT STANTON, New Mexico -A Smith Co., Chicago, Ill., at $250,000 awarded contract by Treasury Department for the construction of a main hospital building, including laundry and power plant at the U. S. Marine Hospital, Fort Stanton, New Mexico.
Complete bids published March 20

10— HOTELS

Contract Awarded.
HOTEL Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Stockton Waterfront.
Two-story frame hotel.
Owner—Anchor Inn Hotel (P. G.. Ferrari, et al), 2031 N. ElDorado St., Stockton.
Architect—Not Given.
Contractor—Fay Zinck, 2030 Pacific Ave., Stockton.

11—ICE AND COLD STORAGE PLANTS

Sub-Contracts Awarded
ICE PLANT Cost, $——
EXETER, Tulare Co., Calif.
One-story cold storage and pre-cooling plant addn. (install new equipment, etc.)
Owner—Exeter Ice & Fuel Company.
Plans by Mr. Williamson.
Contractor—W. W. Williamson, 320 Market St., San Francisco.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., San Francisco.
Miscellaneous Iron—Schrader Iron Works, 1247 Harrison Street, San Francisco.
Fibre Insulation—Pacific Lumber Co., Exeter.
Cork—Van Fleet Freear Co., 557 Howard St., San Francisco.

12— POWER PLANTS

LOW BIDDERS

BOULDER CANYON, Nev.—American Bridge Co., Frick Bldg., Pittsburgh, Pa., at $426,640 submitted low bid on items 1, 3 and 4 to the U. S. Bureau of Reclamation, Denver, under Spec. No. 567, for furnishing and delivering f.o.b. Boulder City, structural steel for the Boulder Power Plant, Boulder Canyon Project. McClintic-Marshall Corp., San Francisco at $445,172 submitted second low bid, and Ingalls Iron Works, Inc., Birmingham, Ala., at $456,855 submitted third low bid.
Complete bids will be published shortly.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

To Ask Bids April 30
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Cal. Market and San Carlos Sts.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Bids will probably be opened May 21.

BIDS WANTED

PORTLAND, Oregon — Until April 16, 10:30 A. M., bids will be received by R. B. Cooper, Purchasing Agent, County Commissioners, Multnomah County, Oregon, for furnishing and installing hot water system at the Kelly Butte Jail, Multnomah County, Ore. Plans and specifications on file with County Clerk and available upon deposit of $5.

CONTRACT AWARDED

HAYWARD, Alameda Co., Cal.—Frank Sambrisky, Hayward, at $1716 awarded contract by Hayward City Council, for asphaltic mastic levelling course and a rubber tile floor covering for the City Hall auditorium, Hayward. John A. Mancini, City Engineer. Following bids received:
Frank Sambrisky, Hayward.....$1716
Van Fleet Freear Co., S. F..... 1888
Martin's Linoleum Store, Hayward 1890
Lustig Hardware & Furniture Co., Hayward $1929

Contract Awarded.
ADDITION Cont. Price, $67,776
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete annex addition to City Hall.
Owner — City of Sacramento (H. G. Denton, Rm. 203, City Hall, Clerk)
Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—Campbell Constr. Co., 800 R St., Sacramento.

Commissioned To Prepare Plans
COURTHOUSE Cost, $1,712,000
OAKLAND, Alameda Co., Calif. 7th and Fallon Streets.
County courthouse and hall of records.
Owner—County of Alameda.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland; James W. Plachek, Mercantile Bank Bldg., Berkeley; Carl Werner, 1303 Bay St., Alameda; William J. Corlett, Bank of America Bldg., Oakland; H. A. Minton, 2044 Alameda Ave., Alameda.

PLANNED

SANTA BARBARA, Calif.—Santa Barbara county supervisors will present to SERA engineers next week a program of proposed county building projects, including a $250,000 service building adjoining the court house, an American Legion memorial building, a hospital for tubercular children at the county hospital and an isolation ward at the county hospital.

CONTRACT AWARDED

SAN QUENTIN, Marin Co., Cal.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $932 awarded contract by State Department of Public Works, Sacramento, for structural steel framing for roof of connecting structure at the San Quentin State Prison. Following bids received:
Golden Gate Iron Works, S. F.....$ 932
Schrader Iron Works, S. F..... 1090
Judson-Pacific Co., S. F..... 1198

Contract Awarded
FIRE HOUSE Cont. Price, $11,250
SACRAMENTO, Sacramento Co., Cal. Vallejo Way and Freeport Blvd.
One-story brick fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—William C. Keating, 1121 24th St., Sacramento.

BONDS DEFEATED
CARMEL, Monterey Co., Cal.—City of Carmel defeated bond issue April 9 in the amount of $50,000, proceeds of which were to have financed construction of a new city hall in Carmel.
(3263) 1st report Dec. 13, 1933 2nd March 10, 1934.

14— RESIDENCES

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal.
One and one-half-story frame residence (5 rooms and 1 bath) shingle roof, gas heating system, tile bath, etc.
Owner—Victor Rohmer.
Architect—Williams & Wastell, 374 17th St., Oakland.
Contractor—James L. Rich, 556 37th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
WINTERS, Yolo Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Harry Brinck.
Architect—Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—J. Gale, Winters.

Construction To Start Shortly
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two - story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Architect—William K. Strickland, 1273 Sunnyhills Road, Piedmont.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Sub-bids will be awarded within a week.

Sub-Contracts Awarded
ADDITION Cost, $4000
SAN FRANCISCO. 80 Santa Monica Way.
Addition to residence.
Owner—C. W. Smith, Premises.
Architect—H. H. Gutterson, 626 Powell Street.
Contractor—Frank G. Applebe, 2405 Acton St., Berkeley.
Plumbing—Loop Lumber Co., Central Basin.
Plumbing—Scott Co., 243 Minna St.
Electric—Old San Francisco Electric Co., 635 38th Ave.

Sub-Contracts Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 6191 Acacia Avenue.
Two-story and basement frame and stucco residence (8 rooms).
Owner and Builder—H. C. Pfrang, 6659 Ocean View Drive, Oakland.
Plans by Owner.
Plumbing—J. M. Dale, 372 24th St., Oakland.
Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $8500
SALINAS, Monterey Co., Cal.
One-story and basement frame and stucco residence (tile roof, etc.)
Owner—Not Given.
Plans by W. A. Doctor, 1629 Telegraph Ave., Oakland.
Contractor—Harry C. Knight, 315 15th St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $4500
ALAMEDA, Alameda Co., Cal. Yale and Fernside Avenues.
One-story and basement frame and stucco residence (6 rooms).
Owner—W. E. Thompson, 3004 Encinal Ave., Alameda.
Architect—Not Given.
Contractor—Harry C. Knight, 315 15th St., Oakland.

Construction To Start Shortly
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Claremont Avenue near Brookdale.
One - story and basement frame and stucco residence.
Owner and Builders—Hufschmidt and Whalen, 337 17th St., Oakland.
Architect—Not Given.

Sub-Contracts Awarded
RESIDENCES Cost, $——
OAKLAND, Alameda Co., Cal. Florence Ave. and Wisconsin Ave.
Four one-story frame and stucco residences (6 rooms each).
Owner and Builder—Fred T. Dooley, 3936 Vale Ave., Oakland.
Plans by Owner.
Brick—Henry Koenig, 4418 Ygnacio Ave., Oakland.
Heating—California Furnace Co., 4801 E. 14th St., Oakland.
Electric—E. L. Reed, 3615 Porter St., Oakland.
Ornamental Iron Work—J. M. Nielsen, 1804 Harmon St., Berkeley.

Contract Awarded.
COTTAGE Cont. Price, $6249
AGNEW, Santa Clara Co., Cal. State Hospital.
One-story frame physician's cottage (concrete foundations, stucco exterior walls, tile roof, plumbing, steam heating system, electrical work, etc.)
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—Raymond W. True, Mountain View.

To Be Done By Day's Work.
RESIDENCE Cost, $12,000
FRESNO, Fresno Co., Cal. No. 1549 Echo Street.
Two-story and basement frame and stucco residence.
Owner & Builder—Taylor & Wheeler, Inc., Power Bldg., Fresno.
Plans by Engineering Dept. of Owner.

Contract Awarded.
RESIDENCE Cost, $6000
FRESNO, Fresno Co., Cal. No. 3006 Van Ness Blvd.
One-story and basement frame and stucco residence.
Owner—F. J. Perry, 506 Princeton St., Fresno.
Architect—Not Given.
Contractor—J. D. Brase, 2029 Ferger St., Fresno.

Preparing Plans.
RESIDENCE Cost, $——
FAIRFAX, Marin Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—P. A. Ostaddl.
Architect—Arthur Dudman, 67 Bungalow Ave., San Rafael.

Plans Being Prepared.
RESIDENCE Cost, $10,000
PIEDMONT, Alameda Co., Cal. Claremont Pines.
Two-story frame and stucco residence (9 rooms and 2 baths).
Owner—Karl J. Weber, 1737 34th Ave. Oakland.
Architect—Withheld.

Contract Awarded.
ALTER RESIDENCE Cost, $1500
SAN FRANCISCO. No. 65 Merced Drive.
Alterations to frame residence.
Owner—L. Aldenhager, 4415 Anza St., San Francisco.
Architect—Not Given.
Contractor—J. F. Linder, 617 Moraga St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $11,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Alterations and additions to two-story frame and stucco residence.
Owner—Frank Atkins, Campus Theatre, Berkeley.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
(4142) 1st report March 31, 1934.

Plans Being Figured — Bids Close April 14.
RESIDENCE Cost, $——
REDWOOD CITY, San Mateo Co.
Two-story frame and stucco residence (6 rooms, 1 bath); shingle roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect — Chester Treichel, 696 Cleveland Ave., Oakland.

Contract Awarded
RESIDENCE Cost, $4,000
BURLINGAME, San Mateo Co., Calif. Bayswater Avenue.
One-story frame and stucco residence.
Owner—H. P. Olsen, 1206 Floribunda, Burlingame.
Architect—Not Given.
Contractor—M. Sorensen, 118 Bancroft Road, Burlingame.

Completing Plans
RESIDENCE Cost, $——
CENTERVILLE, Alameda Co., Calif.
One - story and basement frame and stucco residence (five rooms) California Colonial style.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Bids will be asked in about 2 weeks.

Sub-Contracts Awarded
RESIDENCE Cost, $11,500
SAN MATEO, San Mateo Co., Cal. W. Poplar Street.
Two - story and basement frame and stucco residence (10 rooms and 4 baths) shake roof, gas heating system, oak plank floors, tiled baths.
Owner—Gerald White, 236 Clark Dr., San Mateo.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Lengfeld and Olund, 220 Third Ave., San Mateo.
Lumber and Mill Work—Wisnom Lbr. Co., San Mateo.
Concrete—M. Camerotto, San Mateo.
Sheet Metal—G. & M. Sheet Metal Works, San Mateo.
Heating and Air Conditioning—B. B. Stern & Co., Burlingame.
Plumbing—Morrison-Blair, San Mateo.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana Street, San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Plastering—P. Venturelli, San Mateo.
Painting—A. Patterson, San Mateo.

Bids Wanted—To Close April 25th, 3 P. M.
RESIDENCES Cost, $125,000
BONNEVILLE, Ore. Columbia River.
Twenty 2-story and basement frame and stucco residences (3 and 4 bedroom houses) warm air heating system (to be furnished by the government) tile baths and kitchens, metal lath.
Owner—United States Government.
Plans by U. S. Engineers Office, Portland.
Plans and specifications are on file in the office of the Daily Pacific Builder and in the office of the U. S. Engineer'a office, 414 Custom House, San Francisco, and may be inspected by those interested. Residences will be constructed on the reservation of the Bonneville Dam, Columbia river.

CONTRACT AWARDED
BAKERSFIELD, Kern Co., Calif.—Williams & Greenough, 130 Lincoln St., Bakersfield, have been awarded

a contract at $12,862 for the construction of 40 cabins on the Greenfield ranch, near Bakersfield, for Allan Hoover.

Bids Opened
RESIDENCE Cost, $6000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story frame and stucco residence.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Low Bidder — W. A. Petersen, 7107 Weld St., Oakland.
Following bids received:

W. A. Petersen	$4,797
C. W. Leekins	4,907
J. J. Moore	4,987
E. Campomenosl	4,989
J. R. Armstrong	5,069
H. P. Castl	5,071
Chas. Fork	5,016
A. Holyoake	5,300

Bids held under advisement.

Bids Opened
RESIDENCE Cost, $7000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) French style.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Low Bidder—Eugene S. Campomenosi, 6401 Broadway Terrace, Oakland.
Following bids received:

E. S. Campomenosi, Oakland	$6,695
Wallace A. Petersen	7,132
C. W. Leekins	7,174
J. R. Armstrong	7,210
H. P. Castl	7,255
J. J. Moore	7,313
A. Holyoake	7,400
Chas. Fork	7,927

Bids held under advisement.

Contract Awarded
ALTER RESIDENCE Cost, $3000
NORTH BERKELEY, Alameda Co., Cal. Arlington Villa Site.
Alterations to residence.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—H. G. Parks, 1046 Peralta St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Dr. C. Snoddy, 820 Capitol St., Vallejo.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Concrete Aggregates—Horan Fuel & Feed Co., 717 Marin St., Vallejo.
Pouring Concrete—Mark Fuller, 712 Tennessee St., Vallejo.
As previously reported, lumber awarded to Vallejo Lumber Co.

15— SCHOOLS

BONDS DEFEATED
TULARE, Cal.—Tulare High School District defeated bond issue April 7. Funds were to have financed construction of a new auditorium at the high school. The count was Yes, 1107; No. 747.

Additional Sub-Contracts Awarded
SCHOOL REPAIRS Cost, $35,043
SAN FRANCISCO. Broadway between Powell and Mason Streets.
Repairs and reconstruction of school building (Jean Parker school).
Owner—City and County of San Francisco.
Architect and Engineer — W. P. Day, Financial Center Bldg.
Contractor—H. L. Petersen, 731 Treat Avenue.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Avenue.
Brick and Tile—White & Gloor, Monadnock Building.
Mill Work—Herring & Nutting, 750 Florida Street.
Ornamental Iron—Patterson & Koster Iron Works, 280 13th Street.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St.
Blackboards—Fred Turner, 557 Market Street.
Painting—Raphael Co., 270 Tehama St.
Steam Cleaning — American Building Maintenance Co., 467 O'Farrell St.
As previously reported, structural steel awarded to Schrader Iron Works, 1247 Harrison St.; terra cotta to N. Clark & Son, 116 Natoma St.; electric to Strom & Smith, 1077 Valencia St.; plastering to James F. Smith, 271 Minna Street.

Bond Election
SCHOOL IMP. Cost, $105,101
PALO ALTO, Santa Clara Co., Calif.
Reconstruction and improvements to Palo Alto High School and Mayfield School.
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Proposed work includes:
Reconstruction of the administration building, $55,363; strengthening auditorium, $43,472; rebuilding cloister, $3-766, etc.
An election will be held May 3rd to vote bonds in the amount of $110,000 to finance construction.

COMMISSIONED TO PREPARE PLANS
SANTA BARBARA, Cal.—Architect and Engineer Edwards and Plunkett, 114 E. De la Guerra, Santa Barbara, have been commissioned by the Santa Barbara bord of education to prepare plans for a new school building to replace the old Garfield structure in the Oak Park district of Santa Barbara.

COMMISSIONED TO PREPARE PLANS
SANTA BARBARA, Cal.—Architect L. A. Cooke, 423 E. Victoria Street, Santa Barbara, has been commissioned by the Santa Barbara board of education to prepare plans for locker, toilet and rest rooms to be constructed under the Santa Barbara high school stadium. Estimated cost of the work is $2500.

To Be Done By Day's Work.
IMPROVE SCHOOL Cost, $1000
BERKELEY, Alameda Co., Cal. Oxford and Eunice Streets.
Alterations to Oxford School (work involves, bracing frame and roof structure, remove tower, remove upper portion of brick flue and replace with steel stack; line furnace room with fire resisting materials).
Owner—Berkeley City School District
Plans by Engineering Dept. of Owner.
Work is being done by day's labor under the supervision of Walter Steilberg, Berkeley Board of Education.

BOND ELECTION
SHAFTER, Kern Co., Calif.—Richland School District will hold an election April 17 at which time it is proposed to vote bonds in the sum of $85,000, proceeds to be used for financing the construction of a school building at Shafter. Architect Edwin J. Symmes, Haberfelde Bldg., Bakersfield, has completed plans for the structure.

BOND ELECTION PLANNED
DELANO, Kern Co., Calif.—Delano Union Grammar School District is preparing to hold another election for the purpose of voting on a $60,000 bond issue to finance the construction of an auditorium building at the Delano grammar school. Architect Edwin J. Symmes, Haberfelde Building, Bakersfield, has plans about 90 per cent complete. At an election March 20, the proposal was defeated by eight votes.

BOND ELECTION
INDIAN WELLS, Kern Co., Calif.—Indian Wells Valley Union School District will hold an election April 18 at which time it is proposed to vote bonds for financing the construction of an addition to school building at Indian Wells. The proposed addition will be a wood frame and stucco structure, costing about $11,000. Architect Edwin J. Symmes, Haberfelde Building, Bakersfield, has completed plans and specifications for the building. Election date was previously set for April 4 but due to a technical error, was postponed until April 18.

Plans Being Figured—Bids Close Apr. 18th, 2:30 P. M.
REPAIR SCHOOL Cost, $35,000
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny Street.
Work includes: Removal of terra cotta partitions and replacement with metal lath and plaster, placing structural steel horizontal bracing in second story ceiling and complete bracing of the building frame. Banding existing brick chimney, alter brick and terra cotta work, repair and replace concrete floors and walls, marble and terrazzo repairs, roofing repair, sheet metal, remove and reset plumbing fixtures, electrical wiring, heating and ventilating and vacuum cleaning system, painting and decorating.
Plans and specifications available from S. J. Hester, Chief Deputy Director, City Hall, upon deposit of $10. Penalty of $25.00 per day for each day work is not completed after specified time. Bond of $8,750 required with bid.

Sub-Contracts Awarded.
LIBRARY Cont. Price, $19,400
MODESTO, Stanislaus Co., Cal. Modesto Junior College.
One-story concrete and brick library.
Owner—Modesto City School Dist. (E. D. Abbott, Secretary).
Architect—John J. Donovan, 950 Parker St., Berkeley.
Contractor—H. Tennyson, 125 Poplar St., Modesto.
Structural Steel—McClintic-Marshall Corp., Webster and Tynan Sts., Alameda.
Reinforcing Steel—F. A. Klinger, 1068 N-Pilgrim Ave., Stockton.
Plumbing—Hansens', Tenth St., Modesto.
Electric Wiring—Hansens', Tenth St., Modesto.

PRELIMINARY PLANS APPROVED.
LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary architectural and engineering plans for rehabilitating, repairing and reconstructing the main building and the auditorium at the Gulf Avenue school, located at 1196 Gulf Ave., Wilmington. H. L. Gogerty, 6305 Yucca St., is the architect, and R. McC. Beanfield, 615 Chamber of Commerce Bldg., is the structural engineer. Cost $50,400.

PLANNED

SANTA BARBARA, Calif.—Santa Barbara board of education announced plans this week for extensive repairs or replacement of the Jefferson elementary school on the Riviera. The school was temporarily abandoned last year because of structural defects.

BOND ELECTION

PALO ALTO, Santa Clara Co., Cal.—An election is to be held May 3rd by the Palo Alto School District at which time bonds in the amount of $15,000 will be voted to finance purchase of a site for the proposed new junior high school in Palo Alto.

Electrical Contract Awarded

DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two - story frame and stucco buildings (four domitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park, San Francisco.
Electric—Roy M. Butcher, 1020 Sherwood St., San Jose.
Other awards reported March 27.

Plans Being Completed

RECONST. SCHOOL Cost, $46,000
SAN FRANCISCO. Seventh Avenue between Irving and Judah Streets.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer—Ellison and Russell, Pacific Building.
Plans will be completed in about one week and forwarded to Sacramento for approval.

Plans Completed

SCHOOL Cost, $5000
STOCKTON, San Joaquin Co., Cal. El Dorado School Site.
One - story brick veneer bungalow school (2 classrooms) wood shingle roof, wood floors, blackboards, wallboard, etc.
Owner—El Dorado School District.
Architect—Joseph Losekann, 1218 W. Harding St., Stockton.
Work will be done by manual training department of the school. Brick bids will be asked in about 2 weeks.

976.
BIDS WANTED

LOS ANGELES, Cal.—Until 10:30 A. M., May 2, bids will be received by Los Angeles board of education for reconstructing, strengthening and rehabilitating the east building, less auditorium, at the Graham school, 1901 E. Firestone Blvd. Plans were prepared by Structural Engineer Ralph A. DeLine, 1144 S. Grand Ave., and the architectural division of the board, A. S. Nibecker, Jr., architect. Cost, $52,-

Plans Being Prepared.

SCHOOL Cost, $12,000
VALLE, VISTA, Alameda Co., Cal. Four miles south of Hayward.
One-story light structural steel and wood frame school building (two classrooms and auditorium); tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—Geo. P. Simonds Hayward.
Bids will be asked shortly.
Bonds in the amount of $12,000 were sold to R. H. Moulton Company, proceeds of which are to finance construction of the above project.

Bids Opened

REPAIR SCHOOL Cost, $——
SAN FRANCISCO. Filbert Street bet. Jones and Taylor.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnler, Sharon Building.
Low Bidder—Harry J. Oser, Hobart Building.

Harry J. Oser	$12,750.00
M. E. Vukicevich	13,747.00
J. Harold Johnson	14,458.00
H. L. Petersen	14,339.00
O. Monson	15,300.00
C. L. Wold & Co.	15,879.00
De Luca & Son	16,295.00
Barrett & Hilp	16,572.00
MacDonald & Kahn	17,071.00
Anderson & Ringrose	17,151.00

Bids held under advisement.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary architectural drawings for re-constructing, rehabilitating, and strengthening the following buildings at the Polytechnic high school, 400 W. Washington St.: shop and boiler room, gymnasium, auditorium, classroom annex, domestic science. Albert C. Martin, 228 Higgins Bldg., architect. Cost, $192,975.

Bids Opened.

REPAIR SCHOOL Cost, $25,200
SAN FRANCISCO. S Washington St. between Powell and Stockton.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Low Bidder—C. L. Wold, 4416 Fulton St., San Francisco.
Following bids received:

C. L. Wold	$20,734
Harry J. Oser	22,725
O. Monson	22,900
Moore & Roberts	22,950
Alfred H. Vogt Co.	23,885
H. L. Petersen	24,594
William Spivock	25,190
De Luca & Son	25,539
J. Harold Johnson	25,970
MacDonald & Kahn	26,000
Anderson & Ringrose	28,337
B. J. Hawkins Co.	29,800
Barrett & Hilp	35,470

Bids held under advisement.

Bids Opened.

SCHOOL Cost, $11,000
FORT JONES, Siskiyou Co., Cal.
One-story wood frame grammar school building (3 classrooms).
Owner—Fort Jones Union Elementary School District (W. D. Mathews, President).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Low Bidder—Albert Young, Yreka.
Following bids received:

Albert Young, Yreka	$14,500
D. M. Reid, Yreka	16,431
Chas. F. Unger, Sacramento	16,972
George Kopp, Sacramento	18,213
J. P. Brennan, Redding	19,120
J. W. Anderson, Mt. Shasta	19,500
*H. C. Martin, Sacramento	17,200

*Bid irregular. Bids held under advisement.

BIDS WANTED

SALT LAKE CITY, Utah—Until April 27, 1 P. M., bids will be received by Utah State Building Commission, Salt Lake City, for the construction of an educational trades building at the State Industrial School, Odgen, Utah. Estimated cost $125,000. Eber F. Piers, Ogden, Architect.

PLANNED

LOS ANGELES, Cal.—Los Angeles Board of Education has adopted a revised program for rehabilitating schools, using the $11,706,336 available. Under the new program, architects and structural engineers previously appointed will be retained to prepare plans for those buildings already allotted to them; buildings where no architect or structural engineer has been appointed will have architects and structural engineers appointed at a later date. A complete list of buildings to be rehabilitated, reconstructed and strengthened, with estimates of cost, and the names of the architects and engineers, where assigned, follow:

LOS ANGELES HIGH SCHOOLS

John Burroughs Junior High (main and auditorium, classroom and shop), R. McC. Beanfield, engineer· $191,506.

Thomas A. Edison Junior High, Murray Erick, engineer; Walker & Eisen, architects; $253,154.

James A. Foshay Junior High (all buildings, less physical education), L. J. Waller, engineer; S. E. Lunden, architect; $215,048.

John Muir Junior High (all buildings, less physical education), $171,-584.

Virgil Junior High (main and south) C. J. Derrick, engineer; $170,308.

Phineas Banning High (shop), $10,-080.

Bell High (main, including auditorium), Oliver G. Bowen, engineer; Train & Cressey, architect; $235,276.

Canoga Park High (shop), $5049.

Benjamin Franklin High (science), $79,492.

John C. Fremont High (Shop No. 1), $11,760.

Gardena High (all buildings, less library and physical education), Blaine Noice, engineer; Farrel & Miller, architects; $138,208.

Hollywood High (new buildings), $322,560.

Hollywood High (library), $21,394.

Huntington Park High (liberal arts, power plant, practical arts, annex, boy's gymnasium and girls' gymnasium), Murray Erick, engineer; G. M. Lindsey, architect; $335,680.

Huntington Park High (new buildings), $241,920.

Thomas Jefferson High (all buildings, less boys' gymnasium, girls' gymnasium, and boiler house), D. D. Smith, engineer; Marsh, Smith & Powell, architects; $392,971.

David Starr Jordan High (main, domestic science and Shops Nos. 1 and 2), Wm. Mellema, engineer; Sumner P. Hunt, architect; $212,632.

David Starr Jordan High (new), $134 400.

Abraham Lincoln Higt (administration, English hall, boiler room, library and music hall), $226,800.

Manual Arts High (new buildings), John and Donald B. Parkinson, architects; $400,000.

Palytechnic High (new buildings), $188,160.

Polytechnic High (auditorium and annex), Holmes & Narver, engineers; A. C. Martin, architect; $93,186.

South Gate High (administration), $94,080.

San Pedro High (new buildings), $450,000.

Torrance High (main and shop), R. McC. Beanfield, engineer; Wm. Richards and Wesley Eager, architects; $73,597.

University High (main), $109,760.

Van Nuys High (annex), $44,800.

New building, $161,280.

Venice High (new building), John C. Austin and Frederic M. Ashley, architects; $402,000.

Venice High (mechanical arts), John C. Austin and Frederic M. Ashley, architects; $22,400.

Geo. Washington High, Oliver G

Bowen, engineer; Architectural Division, architect; $254,908.

L. A. ELEMENTARY SCHOOLS

Alta Loma, R. McC. Beanfield, engineer; E. T. Heitschmdt, architect; $53,528.

Angeles Mesa (annex), C. J. Derrick engineer; Newton & Murray, architects; $33,910.

Bandini Street, L. J. Waller, engineer; architectural division, architect; $23,955.

Brentwoood, H. A. Nelson, engineer; Harold Johnson, architect; $33,589

Bridge Street, $55,440.

Brockton Avenue, Jno. S. Ferguson, engineer; $28,534.

Buchanan Street (east and west annex), $12,000; new building, $20,169

Budlong Avenue, Holmes & Narver, engineers; T. F. Power, architect, $59,-040.

Burnside Avenue, Grant & Bruner, engineers; P. P. Lewis, architect, $67,-052.

Cabrillo Avenue, E. W. Taylor, engineer; E. C. Taylor, architect; $54,-837.

Canoga Park (new), Sumner Spaulding, architect; $89,360.

Center Avenue, L. J. Waller, engineer; $57,344.

Chatsworth Park (new), Frank Allen, Jr., architect; $46,940.

Clenega, R. McC. Beanfield, engineer; Architectural Division, architect; $52,918.

Corona Avenue, $47,600.

Dominguez, Davis & Wales, engineers; W. L. Risley, architect; $34,720

Eagle Rock Elementary, $51,520.

Eastman Street, L. A. Parker, engineer; E. L. Taylor, architect, $56,-464.

Elysian Heights, $21,504.

Fifty-ninth Street, Grant & Bruner, engineers; S. C. Lee, architect, $64,512.

Fifty-second Street, $26,880.

Figueroa Street (Building No. 1), D. H. Merrill, engineer; P. O. Wright, architect; $72,313.

Fishburn Avenue, M. Sasso, engineer; R. A. Nicolais, architect; $38,080

Ford Boulevard, R. E. Marvin, engineer; Harold Johnson, architect; $26,656.

Forty-ninth Street, H. A. Nelson, engineer; H. C. Deckbar, architect; $83,440.

Fries Avenue, B. E. Beatty, engineer; H. F. Withey, architect, $73,062.

Gage Avenue, J. S. Ferguson, engineer; $64,960.

Garvanza, $25,480.

Glasseli Park, $50,400.

Graham, R. DeLine, engineer; Architectural Division, architect; $46,394

Gulf Avenue, R. McC. Beanfield, engineer; H. L. Gogerty, architect; $59,-400.

Hammel Street(Buildings Nos. 1, 2 and 3), $76,216.

Heliotrope Avenue, $35,504.

Hermon, $64,512.

Holmes Avenue, S. Deuel, engineer, $41,440.

Hyde Park, East Buildings A, B, C and D, and West Buildings Nos. A, B, C and D; $28,672.

Lankershim (Building No. 2), C. J. Derrick, engineer; $30,930. New building, $33,600.

Leland Street, L. J. Waller, engineer; Barker & Ott, architect; $61,688.

Liberty Boulevard, W. M. Bostock, engineer; Architectural Division, architect; $34,869.

Lillian Street, Geo. J. Fosdyck, engineer; Wm. L. Woollett, architect; $53,760.

Logan Street, $43,680.

Loma Vista Avenue, B. I. Means, engineer; C. K. Denman, architect; $56,023.

Lorena Street, F. N. Dlouhy, engineer; Paul Kingsbury, architect, $53,-216.

Malabar Street (annex), $59,360.

Manchester Avenue, Holmes & Narver, engineers; Arlos Sedgley, architect; $133,560.

Marengo Heights (Building No. 2), $61,776.

McNerney, $11,648.

Menlo Avenue, S. B. Barnes, engineer; Hibbard, Gerity & Kerton, architects; $61,826.

Micheltorena Street, Murray Erick, engineer; $97,440

Middleton Street, W. M. Bostock, engineer; R. M. Bates, architect; $22,624.

Miles Avenue (main building), $47,-680. New buildings, Ralph C. Flewelling, architect; $134,400.

Miramonte (new building), H. A. Nelson, engineer; C. M. Winslow, architect; $219,271.

Ninety-fifth Street (main building), Blake Beatty, $35,840; Annex, Paul Jefferes, engineer; Architectural Division, architect; $45,000.

Ninety-seventh Street, D. H. Merrill, engineer; P. C. Pape, architect; $66,080.

Normandie Avenue (main brick), D. F. Shugart, engineer; $34,720. New building, $84,000.

One Hundred Eighteenth Street, F. N. Ropp, engineer; W. Erkes, architect; $89,040.

One Hundred Ninth Street, R. McC. Beanfield engineer; $41,888.

Orange Street, $42,336.

Pacific Boulevard, W. M. Bostock, engineer; Architectural Division, architect; $29,540.

Pacoima (main), $30,408.

Point Fermin, $83,440.

Reseda, $59,584.

Riggins Avenue, $61,600.

Roosevelt Elementary, C. W. Driver, engineer; F. R. Farrar, architect; $18,144.

Rowan Avenue (new brick), C. J. Derrick, engineer; $80,640.

Russell, C. J. Dedrick, engineer, $75,530.

San Antonio (Building No. 2, $13,440.

San Fernando Elementary (main wings, Home Economics and Manual Training), $59,360.

San Gabriel Avenue, W. M. Bostock, engineer; Architectural Division, architect; $36,616.

Santa Barbara Avenue (main), E. W. Taylor, engineer; E. C. Taylor, architect; $35,728.

Sawtelle Boulevard (Building No. 1), $29,003.

Second Street (Building No. 1), Wm Mellema, engineer; $39,512.

Seventy-fifth Street, Blain Noice, engineer; $100,367.

Seventy-ninth Street (main), Ralph A. DeLine, engineer; F. D. Hudson, architect; $50,226.

Sheridan Street (North and South Buildings), (less auditorium), $61,600.

Sixth Avenue (main); $89,040.

Sixty-first Street, S. B. Barnes, engineer; H. Roy Kelly, architect; $58,-240.

Sixty-sixth Street (Building No. 2), S. B. Barnes, engineer; Gene Verge, architect; $48,552.

Soto Street, W. M. Bostock, engineer; $83,104.

South Park Avenue, Holmes & Narver, engineer; $69,664.

State Street, Holmes & Narver, engineer; Architectural Division, architect; $93,210.

The Palms (main wings), $24,192. New building, $40,320.

Thirty-seventh Street, C. J. Derrick, engineer; R. Montgomery, architect; $49,392.

Torrance Elementary, R. McC. Beanfield, engineer; S. E. Lunder, architect; $72,744.

Tweedy, $23,968.

Twentieth Street (main brick), Harold P. King, engineer; $36,848. New building, $40,320.

Twenty-fourth Street, $40,320.

Van Nuys Elementary (annex), W. D. Coffey, engineer; $34,720. New building, $80,640.

Vine Street (main), $62,720.

Virginia Road (Buildings No. 1 and 2), R. McC. Beanfield, engineer; Robt H. Orr, architect; $64,400. New building; $40,320.

Wadsworth Street, C. G. DeSwarte, engineer; Sea & Grarstang, architect; $88,007.

Wilmington Park, D. F. Shugart, engineer; H. L. Gogerty, architect; $92,-956.

Woodcrest (annex, less auditorium) $22,400.

Woodlawn Avenue, L. A. Parker, engineer; $24,412.

Lafayette Jr. (main, less auditorium), Shop; $132,160.

McKinley Jr. (Administration and Shop), Oliver G. Bowen, engineer; D. J. Witmer and L. F. Watson, architect; $131,649.

Jacob Riis Jr.; $131,946.

16—BANKS, STORES AND OFFICES

Plans Being Figured.

OFFICES Cost, $10,000

PETALUMA, Sonoma Co., Cal. Fourth and D Streets (50x100 ft.)

One-story frame and stucco office building, built-up roof, gas furnace, medical and dental equipment, etc.

Owner—Dr. Mark L. Lewis and Dr. Max Kameny, 41 Main St., Petaluma.

Architect—Brainerd Jones, 226 Washington St., Petaluma.

Owners taking bids.

Contract Awarded.

STORE Cont. Price, $6295

FRESNO, Fresno Co., Cal. No. 1337 Fulton St. near Merced St.

One-story brick store building (25x120 feet), cement floors, plate glass front, etc.)

Owner—L. E. Brown, 1479 Wishon St., Fresno.

Architect — Charles Franklin, T. W. Patterson Bldg., Fresno.

Lessee—S. H. Flanigan.

Contractor—William Hopkins, 1837 Merced St., Fresno.

Following bids received:

William Hopkins	$6295
W. T. Harris	6416
Jolly & Harrington	6421
T. C. Irwin	6551
R. P. Moore	6587
E. J. Heffner	6813

All bidders of Fresno.

Contract Awarded.

TAVERN Cost, $5000

SAN FRANCISCO. NW Hunters Point Blvd.

One-story and basement frame tavern

Owner—F. Assalino, 3700 Broderick St., San Francisco.

Architect—Not Given.

Contractor—Thos. R. Sharman, 3700 Broderick St., San Francisco.

Plans Being Completed

BANK Cost, $20,000

NEVADA CITY, Nevada Co., Calif. NW Broad and Pine Streets.

One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.

Owner — Bank of American National Trust & Savings Assn., 1 Powell St., San Francisco.

Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).

Bids will be asked in about 10 days.

Contract Awarded

ALTER STORE Cont. Price, $1,178

SAN FRANCISCO. Pierce and Chestnut Streets.

Alterations to store building.

Owner—Capital Co., 625 Market St.

Plans by Engineering Dept. of Owner.

Contractor—Hannah and Wooldridge, 268 Market Street.

Oven Contract Awarded
BAKERY Cont. Price, $19,300
SAN FRANCISCO. NE Powell and Francisco Streets.
One-story concrete bakery.
Owner—Venetian bakery.
Architect—T. Ronneberg, Crocker Building.
Contractor—MacDonald & Kahn, Financial Center Building.
Oven—J. P. Glazer, 2480 Union Street.
As previously reported, sheet metal awarded to Atlas Heating & Ventilating Co., 557 Fourth St.; plastering to M. J. King, 666 Mission Street.

Plans Being Figured.
OFFICES Cost, $——
EXETER, Tulare County, Calif.
One-story masonry office building (offices, salesroom and storage facilities (50x100 feet).
Owner—Southern California Gas Co., 1700 Santa Fe Ave., Los Angeles.
Architect—Plans by Engineering Department of Owner.
Bids are being received by the Purchasing Department of the owner.

Plans Being Figured—Bids Close April 24, 2 P. M.
DINING ROOM Cost, $——
CAZADERO, Sonoma Co., Cal.
Frame dining room (rustic exterior, pine interior).
Owner—City of Berkeley.
Plans by Building Dept. of City of Berkeley.
Plans and specifications available from above office.

Bids Opened
ADDITION Cost, $25,000
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and T Streets.
Two two-story brick wing additions to present laboratory building (concrete foundations, concrete floors, brick walls, composition roofing, steel sash and alterations to the present structure (Fort Highway Department).
Owner—State of California.
Architect—Geo. B. McDougall (State Architect) Public Works Building, Sacramento.
Low Bidder—William C. Keating, 1121 24th St., Sacramento.
Electric—Luppen & Hawley, 3126 J St. Sacramento.
Following bids received:

General Work

(1) deduct for omitting portion of one wing.
Wm. C. Keating, Sacramento....$14,444
.....(1) 1,000
Campbell Const. Co., Sacto.....$15,480
.....(1) 1,200
Betz & Yoho, Sacramento.....$15,800
.....(1) 1,244

Electrical Work

Luppen & Hawley, Sacto.....$1,025
.....(1) 45
M. P. Canon, Sacramento.....$1,111
.....(1) 35
Campbell Const. Co., Sacto.....$1,217
.....(1) 70
Bids held under advisement.

Planned.
OFFICES, ETC. Cost, $30,000
FRESNO, Fresno Co., Cal. Broadway and Amador Streets.
One-story brick office building (display rooms and pump manufacturing plant, etc.)
Owner—Peerless-Bean Sales & Service, Inc. (L. A. Harnish, Division Mgr..), 1864 H St., Fresno.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $10,850
SAN FRANCISCO. No. 742 Market Street.
Alterations to store building.
Owner—Spiro Co., Market and Beale Sts., San Francisco.
Plans by N. B. Mears, 60 Rausch St., San Francisco.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco.

Contract Awarded.
STORE BLDG. Cost, $12,000
SAN FRANCISCO. No. 2665 Mission Street.
Alterations to store building.
Owner—J. J. Newberry Co., Prem.
Architect—Norstrom & Anderson, 117 W-Ninth St., Los Angeles.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Contract Awarded.
REPAIRS Cost, $——
STOCKTON, San Joaquin Co., Cal. No. 634 W-Acacia Street.
Repair fire damage to store building.
Owner—Maurice Nunan, Premises.
Architect—Not Given.
Contractor—Lewis & Green, Bank of America Bldg., Stockton.

Contract Awarded.
REMODEL OFFICES Cost, $1083
HAYWARD, Alameda Co., Cal. NE A and Main Streets.
Remodel one-story frame office building.
Owner — Pacific Gas & Electric Co., Premises.
Plans by Engineering Dept. of Owner
Contractor — Walter Lund, 480 Peralta St., Hayward.

To Ask Bids A
BRANCH BANK Cost, $25,000
SAN FRANCISCO. NW Fillmore and Chestnut Streets.
Branch bank building (tile work, marquise, marble floors, bronze work, plate glass, steel doors, vault, etc.)
Owner — Anglo California National Bank.
Architect—S. Heiman, 605 Market St., San Francisco.

Plans Being Revised.
ALTER OFFICES Cost, $3000
SAN FRANCISCO. No. 604 Mission Street.
Alterations to offices.
Owner—Bothin Realty Co.
Architect—Bertz, Winter & Maury, Monadnock Bldg., San Francisco
New bids will be asked in three or four days.

17— THEATRES

Brick Contract Awarded
THEATRE Cost, $30,000
GRASS VALLEY, Nevada Co., Calif. West Main Street.
One-story steel frame theatre building (steel girders, marque) to seat 508.
Owner—Montez Theatre Company.
Architect—Wm. Mooser, Monadnock Bldg., San Francisco.
Mgr. of Const.—E. T. Leiter & Son, 811 37th St., Oakland.
Brick Work—Hallert & Kneale, 2500 65th Ave., Oakland.
As previously reported, structural steel awarded to Herrick Iron Works, 18th and Campbell Sts., Oakland.

Being Done By Day's Work.
THEATRE Cost, $50,000
ALMIRA, Washington. Grand Coulee Dam.
Construct theatre building (60x120 ft.) to seat 1000.
Owner—Edwin F. James, 1901 Fifth Ave., Seattle.
Architect—Henry S. Bittman, Securities Bldg., Seattle.
Contract was previously awarded to A. S. Hansen, Seattle, who relinquished it before work was started.

18— WHARVES & DOCKS

Planned.
ENLARGE TERMINAL Cost, $200,000
PORTLAND, Oregon.
Concrete addition to terminal (450x200 feet); concrete floor, fireproof roof, sprinkler systems, marine elevators, ventilators and steel fire doors.
Owner—Union Pacific System, Pittock Bldg., Portland.
Architect—Not Given.
Lessee — McCormick Steamship Co., Foot of Irving St., Portland.

Plans Completed
ENLARGE TERMINAL Cost, $200,000
PORTLAND, Oregon.
Concrete addition to terminal (450x200 feet) concrete floor, fireproof roof, sprinkler systems, marine elevators, ventilators and steel fire doors.
Owner—Union Pacific System, Pittock Bldg., Portland.
Architect—Not Given.
Lessee — McCormick Steamship Co., foot of Irving St., Portland.
Plans have been forwarded to the Eastern office for approval and bids will be asked in about two weeks.

19—MISC. CONSTRUCTION

Contract Awarded.
LOADING PLATFORM Cost, $——
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Sixty-ninth St.
Construct loading platform.
Owner—Chevrolet Motor Co., Prem.
Plans by Eng. Dept. of Owner (Mr. Roberts in charge).
Contractor—H. J. Christensen, 1955 Webster St., Oakland.

Piling Excavation Contract Awarded
GRAIN ELEVATOR, ETC. $——
OAKLAND, Alameda Co., Cal. Oakland Waterfront.
Construct 200,000 bushel capacity elevator (sprinkler system, piling, excavation, etc.)
Owner—Albers Bros. Milling Co., West End of 7th St., Oakland.
Plans by Engineering Dept. of Owner. Oconomowoc, Wis.
Piling Excavation — Healy Tibbitts Constr. Co., 64 Pine St., S. F.
Bids are now being received on the sprinkler system. Bids for the construction of the grain elevator will be asked in one week.

LOW BIDDER
FRESNO, Cal.—Jackson Construction Co., at $2490 submitted low bid to assistant engineer, U. S. Airway Radio Station, Fresno, for erecting modified Adcock radio antenna system on property two miles southwest of Fresno airport. The principal items of work involved comprise the erection of four steel skeleton radio masts, each 125 feet high, on concrete foundations, and the appurtenant ground system, obstruction lighting, etc. Some of the major quantities involved are approximately as follows: Concrete, 75 cu. yds.; cable and ground system trenches, 280 lin. rods; reinforcing steel, 3000 lbs.; No. 6 bare copper wire 4200 lin. ft.; structural steel (material to be furnished by the government), 13 tons. Schedule No. 307-B City Improvement Co., Oakland, at $2667 submitted second low bid and Cole Bros., Cheyenne, Wyo., at $3707 were third low.
Complete bids will be published shortly.

Preparing Working Drawings.
SWIMMING POOL Cost, $15,000
STOCKTON, San Joaquin Co., Cal. Campus of the College of the Pacific.

Concrete swimming pool (35x75 feet), filtration system, etc.
Owner—College of the Pacific.
Architect—H. G. Bissell, 327 E. Channel St., Stockton.

Plans will be completed in about two weeks and work will propably be done by day's labor by the students of the college.

SUB-CONTRACTS AWARDED

SUNNYVALE, Santa Clara Co., Cal. —Clinton Stephenson Const. Co., 550 Montgomery Street, San Francisco awarded the following sub-contracts for the construction of two sentry houses and garage and tool building at the Naval Air Station, Sunnyvale; Spec. No. 7585:

Reinforcing Steel—Pacific Steel Co., 20th and Illinois Sts., San Francisco.
Plumbing—I. Chadbourne, 424 Dewey Blvd., San Francisco.
Mill Work—National Mill & Lumber Co., 230 California St., San Francisco.
Concrete Materials—Urban Bros., 96 Homer Ave., Palo Alto.
Steel Rolling Doors—Cornell Bros. (C. J. Waterhouse, agent), 55 New Montgomery St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Painting—R. P. Paoli, 3159 Fillmore St., San Francisco.
Miscellaneous Iron, Steel Doors and Steel Sash—Michel & Pfeffer Iron Works, San Francisco.
Roofing—Malott & Petersen, 20th and Harrison Sts., San Francisco.

Sub-Contracts Awarded

POOL, ETC. Cost, $10,000
BOYES SPRINGS, Sonoma Co., Calif.
Reinforced concrete swimming pool (35x70 feet) and frame addition to dining room.
Owner — Sonoma Mission Inn (Mrs. Emilie Long), Sonoma Mission Inn Boyes Springs.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Contractor—San Francisco Const. Co., 3159 Fillmore St., San Francisco.
Lumber—Roth Maier, 2800 Third St., San Francisco.
Grading—Canel and Welsh, Boyes Springs.
Plumbing—Wm. Gibb, Boyes Springs.

Bids are being taken on plastering and electrical work.

As previously reported, mechanical equipment awarded to Scott Machinery Co., 960 Folsom St., San Francisco.

Planned

SWIMMING POOL Cost, $——
YUBA CITY, Sutter Co., Cal. Site To Be Selected.
Construct new swimming pool.
Owner—City of Yuba City.
Architect—Not Given.

Contract Awarded.

RETAINING WALL Cost, $——
OAKLAND, Alameda Co., Cal. No. 631 Haddon Road.
Construct reinforced concrete retaining wall (250 ft. long 6 in. high).
Owner—Mr. McKee.
Architect — Williams & Wastell, 374 17th St., Oakland.
Contractor — Walter Anderson, 1014 Doris Court, Oakland.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —Forni Mfg. Co., 1379 62nd St., Oakland, at $687.50 awarded contract by Constructing Quartermaster, Hamilton Field, for furnishing metal covers for underground garbage receptacles for Hamilton Field.

Complete bids published Feb. 24.

CONTRACT AWARDED

FORT PECK, Montana—Allis Chalmers Mfg. Co., Milwaukee, Wisconsin, at $203,000 awarded contract by U. S. Engineer Office, Kansas City, Mo., for erecting Rainbow electric substation at Fort Peck, Montana.

CONTRACT AWARDED

FORT PECK, Montana—Westinghouse Electric & Mfg. Co., 310 Grant St., Pittsburgh, at $529,470 awarded contract by U. S. Engineer Office, Kansas City, Mo., for the erection of a substation at Fort Peck, Montana.

LOW BIDDER

VANCOUVER, Wash.—Bennett and Taylor, 1978 S. Los Angeles St., Los Angeles, at $7,840, submitted low bid to Army Quartermaster, Pierson Field, Vancouver, April 3, for installing gasoline fueling system at Pierson Field.

LOW BIDDER

CHILKOOT BARRACKS, Alaska—West Coast Heating Co., 1924 Ninth St., Seattle, Washington, at $8285 submitted low bid to Ninth Corps Area, Presidio, San Francsico, for the removal of old boilers and the installation of new steam heating boilers in fifteen sets of Officers' Quarters and double barracks buildings at Chilkoot Barracks, Alaska.

BIDS WANTED

LOS ANGELES, Cal.—Architect Albert C. Martin, 228 Higgins Bldg., has prepared plans and is taking bids for a complete air conditioning system to be installed in the upper six stories of the Higgins Bldg. The work will include the installation of new elevator fronts on the lower four floors and the basement. Bids are to be opened at 10 A. M., April 24.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

SAN FRANCISCO — Alpha Stores, Ltd., Nevada City, Calif., at $0.201 per lin. ft., total $1407 submitted high bid and awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, San Francisco, for the sale under Sale No. 99, for 7000 lin. ft. used 4-in. standard black wrought steel pipe.

H. N. Satterfield, San Francisco, at $0.1639 per lin. ft., total $1147.30 submitted only other bid.

BIDS OPENED

SAN FRANCISCO—Identical bids at $0.315 were received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid 1168 for furnishing 1050 Condenser Tubes for Central Shops No. 1. The firms bidding were:

C. W. Marwedel, Standard Supply Co., Chase Brass & Copper Co., American Brass & Copper Supply Co., Ltd., Richmond Sanitary Co., Marshall-Newell Supply Co., Ducommun Corp. and Scovill Mfg. Corp., all of San Francisco.

CONTRACT AWARDED

SAN FRANCISCO—De Luxe Metal Furniture Co. at $2921.34 awarded contract by Supply Division, Treasury Department for furnishing metal shelving for the Post Office, San Francisco. Proposal No. 4575.

BIDS OPENED

LOS ANGELES, Cal.—Standard Oil Co., Union Oil, Texas Oil Co., General Petroleum Co., Associated Oil Co., Rio Grande Oil Co. and Shell Oil Co. submitted essentially identical bids to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Apr. 6, for furnishing gasoline f.o.b. various locations for a period of three months. The bids were:

Los Angeles and vicinity: $.095 per carload; $.0975 per tank wagon and trailer; $.10 per tank wagon.

Prices per gallon from Saugus north to Bishop ranged from $.105 to $.185 tank wagon delivery. Prices from San Bernardino to Boulder City, Nevada, ranged from $.125 to $.195 per gallon, tank wagon delivery.

All bidders agreed not to raise prices more than 25% of present prices during the three months period; Spec. No. 1422.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, April 6, for furnishing approximately 600,000 cu. ft. of oxygen and $350,000 cu. ft. of acetylene f.o.b. warehouse of the department during a period of 12 months.

Air Reduction Sales Co., 2423 E. 58th St., Los Angeles, (1) for oxygen, per C cu. ft., $1.15; (2) for acetylene per C c. ft., $2.45.
Linde Air Products Co., Los Angeles, (1) $1.35; (2) $2.55.
Vegetable Oil Products Co., Los Angeles, (1) $1.15; (2) $2.30; alternate bid f.o.b. bidder's warehouse, (1) $1.05; (2) $2.30.

Specification No. 1411.

CONTRACT AWARDED

REEDLEY, Fresno Co., Cal.—George Fensky Co., at $1485 awarded contract by Post Office Department for furniture and screen line equipment for the Reedley Post Office.

COMPLETE BIDS

FORT PECK, Montana.—McClintic-Marshall Corp., Bethlehem, Pa., at $67,255 net, submited low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for furnishing discharge pipe and connections for dredges for Fort Peck. Total bids follow:

McClintic-Marshall Corp., Bethlehem Pa., (net) $67,255; (Govt. freight) $11-729.14; (total cost) $78,984.14.

Taylor Forge & Pipe Works, Cicero, Ill., $69,619; $11,729.14; $81,349.04.

Treadwell Const. Co., Midland, Pa., $83,483; $12,798.12; $96,281.12.

Alco Products, Inc., New York City $84,275.37; $12,796.63; $97,072.00.

Steel Tank & Pipe Co. of California, Berkeley, $85,326; $13,739.75; $99,065.75.

Complete tabulation of bids is on file at the office of the Daily Pacific Builder. J

CONTRACTS AWARDED

LOS ANGELES, Cal.—Contracts for lead covered cable under Spec. No. 1399 were awarded by the Los Angeles Water and Power Commission April 10 as follows:

General Cable Corp., items 1, 3, 4, 5 and 6 at the following prices:
(1) 6,000 ft. 1,000,000 CM cable, $905.00 per M. ft.;
(3) 10,000 ft. No. 4 AWG cable, $104 per M. ft.;
(4) 12,000 ft. No. 6 AWG cable, $79 per M. ft.;
(5) 9,850 ft. 500,000 CM cable, $1,768.00 per M. ft.;
(6) 9,850 ft. 500,000 CM cable, $1,768.00 per M. ft.;

Habirshaw Cable & Wire Corp. items 2 and 9 at the folowing prices:
(2) 5,000 ft. 500,000 CM cable, $532.00 per M. ft.;
(9) 7,000 ft. 2/0 AWG cable, $853.00 per M. ft.

Okonite Callender Cable Co., item (7) 10,450 ft. 500,000 CM cable at $1,768.00 per M. ft.

General Electric Co., item (8) 10,450 ft. 500,000 CM cable, at $1,768 per M. ft.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

CALIFORNIA STATE

PANAMA CANAL ZONE.—Until April 23, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., under Circular No. 2952, for the sale of approximately 9,461 tons of scrap iron and steel.

Bids will also be opened by the Chief Quartermaster, The Panama Canal, Balboa Heights, Canal Zone, at the same time, April 23, 10:30 A. M.

Specifictions obtainable from above offices.

PANAMA CANAL ZONE.—Until April 19, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., under Schedule 2953, for furnishing miscellaneous supplies and equipment, including insulated cable, resistance wire, panelboards, fuses, wood battery separators conduit fittings, steel buckle plates, aluminumware, water gauges, twist drills, stone drills, hand taps, hammers, saws, clay picks, ship scrapers, garden hoes, bicycle tires, red paint, dry Bismarck brown, powdered aluminum, dry red lead, zinc dust, pitch, mineral seal oil, paraffin wax and finishing hardware.

Specifictions obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

REDDING, Cal.—Until April 16, 10 A. M., bids will be received by the State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation 38188, Req. 16376, for furnishing two hydraulic dirtmovers or scrapers (to be mounted on "30" Caterpillar tractors).

Delivery f.o.b. Division of Highways Shop 2, Redding.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until April 16, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

Bid 906; 1,000 gals. Aluminum Paint for delivery f.o.b. Government Island.

Bid 905: 1,200 spools (80 rods each) of Glidden 2-point galv. barbed cattle wire, and 2,000 lbs. galv. fence staples, 1½-in. and 1¾-in. No. 9 gauge, for delivery f.o.b. Government Island.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Alameda Co., Cal.—Until April 24, 2 P. M., bids will be received by the U. S. Forest Service, Frank Haynie, Supply Officer, for furnishing 82,000 metal signs, size 7x10-in., under Bid No. 907.

Specifications obtainable from above.

GOVERNMENT ISLAND, Cal.—Until April 18, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 910, for the following:

(1) 34,173 ft. BM lumber, delivery f.o.b. bidder's shipping point, and/or f.o.b. Kentucky House, Calaveras Co.

(2) 32,566 ft. BM lumber, delivery f.o.b. bidder's shipping point and/or f.o.b. Auburn.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until April 25, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing 12,820 ft. 750,000 cm., 35,000 volt, 3 conductor, lead covered cable; 13,053 ft. 750,000 cm., 35,000 volt, 3 conductor, lead covered cable; 12,800 ft. No. 12 AWG, 600 volt, 12 conductor lead covered cable. Spec. 1388.

Los Angeles Cal.—Until April 20, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing approximately 26,000 lin. ft. 2½-in. fibre conduit and approximately 5000 ft. 2-in. fibre conduit. Specification No. 1420.

VET'S ADMINISTRATION

SAN FRANCISCO—Until April 23, bids will be received by the Procurement Division, Veterans Administration, Washington, D. C., for four arm chairs, 6 reclining chairs, 7 arm rocking chairs, 74 rocking chairs, twenty-two common chairs, four costumers, four settees, twenty-two writing desks and two library tables for San Francisco. Proposal No. G-236.

BERKELEY CITY

BERKELEY, Alameda Co., Cal.—Until April 18, 2 P. M., bids will be received by Clara F. Andrews, Secretary, Berkeley Board of Education, Room 203, Administration Bldg., Berkeley, for furnishing storeroom supplies for the school year, 1934-1935. Specifications are on file in the office of the Secretary.

POST OFFICE DEPT.

MARYSVILLE, Yuba Co., Cal.—Until 2 P. M., May 1, bids will be received by the Treasury Dept., Procurement Division, Public Works Branch, Washington, D. C., for insect screens to be installed in the Marysville post office. Plans and specifications may be obtained from the custodian of the building or from Washington.

SAN JOAQUIN COUNTY

LODI, San Joaquin Co., Cal.—Until April 24, 8 P. M., bids will be received by Lodi Union High School District of San Joaquin County for furnishing a new school bus. Two-ton bus chassis, dual rear wheels, spare tire and rim, 3:25x20 tires, booster brakes, ready for delivery to body builders, Model B-4 International, or equal.

Body to be double strength all-steel coach with capacity of 48 high school students, Model P & C No. 92-220, or equal.

Specifications obtainable from above office. R. J. Stuck, clerk of the Board of Trustees, Lodi Union High School District.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies, as follows:

April 17, Sch. 2122: Hack saw tungsten blades for Mare Island;

April 20, Sch. 2130; 1,000 steel tubes for Mare Island.

Specifications obtainable from above office.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies, as follows:

April 20, Sch. 2151: 72 soot blowers for Mare Island; 40 do for East and West yards;

April 20, Sch. 2135: 12 pneumatic drills 15 pneumatic grinders, 100 pneumatic scaling hammers for Mare Island;

April 20, Sch. 2093: 16 turbine-driven generators and 16 automatic voltage regulators and spares for Puget Sound.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until April 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing 5 miles of alloy trolley wire for the Municipal Railway.

Specifications obtainable from above office.

SAN FRANCISCO.—Until April 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, for furnishing spray booth for the School Department.

Specifications obtainable from above office. Bid No. 1178.

SAN FRANCISCO.—Until April 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, for furnishing woodworking machinery for the School Department.

Specifications obtainable from above office. Bid No. 1179.

WAR DEPARTMENT

BENICIA, Solano Co., Calif.—Until April 18, 10 A. M., bids will be received by the Commanding Officer, Benecia Arsenal, Benicia, under Schedule 146-34-41, for the following:

(1) 13 power panelboards;

(2) 3 lighting panelboards;

(3) 7 breakers.

Specifications obtainable from above office. NOTE: Award will be made for total low bid on all items. Time of delivery will be a factor in placing award.

SACRAMENTO, Cal.—Until April 16, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, under Order No. 6302/Stkn. 191, for the following:

(1) Nickel Steel Shafting, 3¼-in., S. A.E.-2325-2345; 2 pcs., each 6 ft.

(2) Nickel Steel Shafting, 3-in., S.A.E. 2325-2345; 1 piece, 5 ft.

Specifications obtainable from above office. Capt. J. G. Drinkwater, Dist. Engineer. Delivery f.o.b. Rio Vista.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

COOS BAY, Ore.—Until April 26, 9 A. M. (date previously reported tentatively) bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, third floor of the Public Service Bldg., Portland, for the construction of a bridge to carry Oregon Coast Highway across Coos Bay near North Bend, Oregon.

Plans and specifications obtainable from the State Highway Commission Room 322, State Office Bldg., Salem, upon deposit of $5 per set, and may be inspected at the offices of the Associated General Contractors in Portland, Seattle, Spokane, or San Francisco.

Complete description of this project published March

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until April 16, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 888, as follows:

(1) 2 30-ft. opposite hand skew beam spans;
(2) 4 bridge pins, American Bridge Co. standard recessed bridge pin, or equal;
(3) 2 rockers, cast steel;
(4) 2 pedestals, cast steel;
(5) 2 bed plates, cast steel;
(6) 8 anchor bolts.

Delivery f.o.b. bidders shipping point and/or f.o.b. Kentucky House.

BIDS WANTED

LOS ANGELES COUNTY, Calif.—Until April 23, 2 p. m., bids will be received by the L. A. County Supervisors for constructing a bridge on Center St., over the San Gabriel River, consisting of six timber and steel frame 60-ft. Howe truss spans with a 30-ft. roadway, and will have timber piling. Alternate bids will be taken on Creosoted Douglas Fir and on redwood lumber. W. D. Armstrong, County Bridge Engineer, 12th floor, Hall of Records. Specifications obtainable from above office.

BIDS WANTED

LOS ANGELES, Calif.—Until April 23, 2 p. m., bids will be received by the L. A. County Supervisors for constructing a viaduct on La Tijera Blvd. over Pacific Electric Railway, consisting of five spans, 42-ft. each, reinforced concrete, steel girders and concrete railing. W. D. Armstrong, County Bridge Engineer, 12 floor, Hall of Records. Specifications obtainable from the above office.

BIDS REJECTED

TILLAMOCK COUNTY, Oregon—All bids received by the Oregon State Highway Commission, Portland, April 5, for 1.28 miles of highway roadbed and 66 lin. ft. treated timber trestle on Austin Creek-Upper Yach Bridge Section of Little Nestucca Secondary Highway, were rejected. The bids were:

F. C. Dillard, Medford	$18,557
O. N. Pierce and M. L. O'Neil & Son, Portland	22,912

CONTRACT AWARDED

LANE COUNTY, Oregon — E. C. Hall, Eugene, Oregon, at $8130 awarded contract by Oregon State Highway Commission, Portland, April 5, for constructing four bridges over Amazon Slough on the Eugene-Veneta Highway near Eugene, Lane County. Complete bids follow:

E. C. Hall, Eugene	$ 8,130.00
Barham Bros., Salem	8,215.45
O. N. Pierce & Co., Portland	8,770.00
Sig Ash, Medford	8,785.00
Averill & Philpott, Portland	9,717.25
McCall & Sewell, Klamath Falls	10,026.76
Shattuck & Neland, Portland	11,060.56

ADDITIONAL SUB-CONTRACTS

ALAMEDA COUNTY, Calif.—MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco, general contractors on the Park Street bridge, have awarded the following additional sub-contracts:

Reinforcing Steel — W. S. Wetenhall Co., 17th and Wisconsin Sts., San Francisco.

Creosoted Lumber and Piling—Chapman Lumber Co., 10806 S. Central Los Angeles.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal.—Until April 24, 10 A. M., bids will be received by Glendale City Council for the construction of a rigid frame type bridge on Central Avenue across the Arroyo Verdugo. The proposes structure will be of reinforced concrete construction, with a 50-foot skewed span across a 43-ft. channel, with a 48-ft. roadway and two 5-foot walks.

Bids will be taken on a unit price basis, the list of items and quantities to be announced later.

Plans prepared by J. C. Albers, city engineer.

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until May 2, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of an overhead crossing over the Atchison, Topeka & Santa Fe Railway near Carlsbad, San Diego County, consisting of one 26-ft. 10½-in. span; two 30-ft. 7-in. spans; one 32-ft. span, and one 45-ft. span on concrete bents to be widened. The work involves:

(1) 46 cu. yds. exist. concrete to be removed and disposed of;
(2) 204 lin. ft. temporary timber railing;
(3) 300 cu. yds. struc. excav.;
(4) 340 cu. yds. Class A Portland cem. conc. struc.;
(5) 8 cu. yds. do, railing;
(6) 51,000 lbs. bar reinf. steel;
(7) 264 lbs. bronze expansion plates;
(8) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file in the offices of the District Engineer in San Francisco, and Los Angeles and the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS OPENED

LOS ANGELES, Cal.—Atlas Const. Co., 39 Congress St., Pasadena, at $42,000 submitted low bid to Los Angeles County Board of Supervisors, April 9, for widening the Western Avenue Viaduct south of 114th Street over the Pacific Electric Railway. The bids were:

Atlas Const. Co., Pasadena	$42,000
Bannister-Field Co., Ltd., and Fred E. Potts, L. A.	42,975
Oscar Oberg, L. A.	49,438
Byerts & Dunn	49,700
Person & Thiele	50,500
Dimmitt & Taylor, L. A.	51,500
The C. A. Beyer Corp., L. A.	51,652

The four low bids were held under advisement; all others were rejected.

LOW BIDDERS

LOS ANGELES, Cal.—Jahn & Bressi Const. Co., Inc., Lane Mortgage Bldg., Los Angeles, at $384,560.78 submitted low bid to Los Angeles Board of Public Works for the construction of the Figueroa Street Tunnel No. 4.

Macco Const. Co., Clearwater, at $396,923.47 submitted second low bid, and Floyd Shofner and J. H. Gordon, Los Angeles, at $405,050.06 submitted third low bid.

AWARD

MONTEREY COUNTY, Cal.—Rocca & Caletti, P. O. Box 243, San Rafael, at $67,881 awarded contract by State Highway Commission, Sacramento, for construction of a timber bridge across Dolan Creek, 50 miles south of Monterey, consisting of one 180-foot arch span, nine 19-ft. stringer spans, and four 38-ft. girder spans.

LOW BIDDER

LOS ANGELES, Calif. — Creighton, Inc., 108 West Second St., Los Angeles at $33,398.76 submitted low bid to Los Angeles Board of Public Works for constructing Tunnel Station Bridge on San Fernando Road at Tunnel Station.

LOW BIDDER

LOS ANGELES, Calif. — Creighton, Inc., 108 West Second St., Los Angeles at $141,734.82 (using pre-cast piles) submitted low bid to the Los Angeles Board of Public Works for constructing two bridges; one on Gaffey Street over Summerland, and one on Elberton Avenue over Gaffey Street.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

STOCKTON, Cal.—Until April 16, 5 P. M., bids will be received by the Stockton Port District, City Hall, Stockton, for opening at 8 P. M., by the Stockton Port Commission for dredging approximately 700,000 cubic

yards of material from South Side of Stockton Channel and Slip No. 1 and located approximately between U. S. E. D. Station 82+57 and 98+00.

Plans and specifications obtainable from above office upon deposit of $20 which amount will be refunded on the return of the plans and specifications, in good condition, if accompanied by proposal. If plans and specifications are returned in good condition not later than 10 days after opening of blds, unaccompanied by a proposal, $10 will be refunder.

ESTIMATED QUANTITIES

LONG BEACH, Cal.—Approximate quantities for the construction of a retaining walls in the Naples District, as prepared by A. H. Adams, City Engineer, are shown below. A date for receiving bids will probably be set within two weeks. The work, which will cost about $316,300, is to be financed chiefly by PWA funds. Work consists of constructing about 11,280 lin. ft. of bulkhead. Estimated quantities follow:

(1) 8700 cu. yds. conc. sheet piles;
(2) 1120 cu. yds. conc. coping;
(3) 2,612,000 lbs. reinforcing steel;
(4) 35,500 lin. ft. creosoted piles;
(5) 172,000 lbs. anchor rods, nuts, washers;
(6) 2500 lbs. drain pipes and caps;
(7) 800 sq. ft. expansion joint material;
(8) 32,000 lbs. lifting V-bolts;
(9) 1800 lbs. expansion joint pine;
(10) 6700 lbs. expansion joint bars;
(11) 15,000 cu. yds. fill;
(12) 2400 lin. ft. walls to be removed;
(13) 20 sets of steps to be removed;
(14) 8900 lin. ft. coping to be removed;
(15) 7300 lin. ft. railing to be removed;
(16) 15 light standards to be removed.

BIDS OPENED

WALKER AND PUGER ISLANDS, Wash.—Kern & Kibbe, 290 E. Salmon St., Portland, Oregon, at $6959.80 submitted low bid to the U. S. Engineer Office, Portland, for repairing approximately 80 lin. ft. of pile dike and placing about 3200 cy. yds. of additional stone revetment in the Columbia River at Walker and Puget Islands, about 52 and 70 miles, respectively, below Portland.

Parker-Schram Co., Portland, at $8232.70 submitted only other bid.

AWARD

MARTINEZ, Contra Costa Co., Cal. —American Dredging Co., 255 California St., San Francisco, at approximately $7,500 awarded contract by Shell Oil Co. for dredging approximately 40,000 cu. yds. of silt from an area about 600 ft. long by 600 ft. wide at the west end of the Shell Oil Co. wharf in Carquinez Strait.

Dredging is to provide a minimum channel depth of 30 ft.

BIDS OPENED

COLUSA COUNTY, Cal.—Olympian Dredging Co., 249 First St., San Francisco, at $0.3227 per cu. yd., total, $164 254.30 submitted low bid to U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Sacramento, under Spec. No. 6290, for raising and strengthening a part of an existing levee along the easterly side of the Sacramento River, extending from Butte Slough northearly to point near Colusa Bridge, Colusa County, involving approximately 509,000 cu. yds. of earth and including clearing and grubbing of R/W along a levee length of about 4.2 miles, etc.

Franks Contracting Co., San Francisco, at $0.345, total, $175,605 submitted the only other bid.

Engineer's estimate, $0.2995, total, $152,463.

BIDS OPENED

DUWAMISH, Wash.—Puget Sound Bridge and Dredging Co., Seattle, Wash., at $86,697 ($0.169 per cu. yd.) submitted low bid to the U. S. Engineer Office, Seattle, for dredging 513,000 cu. yds. of material from Duwamish waterway. General Construction Co., Seattle, at $92,340 ($0.18 per cu. yd.) submitted the only other bid.

Engineer's estimate, $0.123 per cubic yard.

23—IRRIGATION PROJ.

LOW BIDDERS

ONTARIO, Oregon — Barnard-Curtiss Co., 504 Globe Bldg., Minneapolis, Minnesota, at $154,296 submitted low bid to the U. S. Bureau of Reclamation, Ontario, Oregon, for construction of structures, North Canal, Station 513 to Station 2051, and Mitchell Butte Lateral, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, under Spec. No. 563.

J. A. Terteling & Sons, Boise, Idaho, at $172,755 submitted second low bid.

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LOW BIDDERS

STANFIELD, Oregon—J. A. Terteling & Sons, Boise, Idaho, at $49,593 submitted low bid to the U. S. Bureau of Reclamation, % of Stanfield Irrigation District, Stanfield, Oregon, for the construction of siphons and a tunnel, furnishing canal and earthwork ad structures for Drain No. 1, Stanfield Project, Oregon, under Spec. No. 568.

Barnard-Curtiss Co., Minneapolis, at $49,752 submitted second low bid, and Morrison-Knudsen Co., Boise, at $50,182 submitted third low bid.

PERMITS ISSUED

SACRAMENTO—Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of March,, 1934:

4290, Application 7799 (Humboldt County) issued to John E. and James R. Kane, Arcata, Calif., March 5, 1934, for 0.5 c. f. .s from Mad River for domestic purposes and irrigation of 40 acres. Est. cost, $250.

4921, App. 7777 (Trinity County) issued to H. F. Martin, Hayfork, Calif., March 6, 1934, for 2.0 cu. ft. per sec. from Summit Creek, for mining and domestic purposes. Est. cost, $50.

4292, App. 7807 (Los Angeles County) issued to United States-Angeles National Forest, Los Angeles, Calif., Mar. 9, 1934, for 0.002 cu. ft. per sec. from Clear Spring, for fire protection and recreation purposes. Est. cost, $180.

4293, App. 7810 (Santa Barbara Co.) issued to United States-Santa Barbara National Forest, Santa Barbara, Calif. March 12, 1934, for 585 gallons per day from an unnamed Spring for domestic purposes. Est. cost, $250.

4294, App. 7788 (El Dorado County) issued to Oliver L. Morton and Dee Hayes Dunlap, Napa and Stockton, Calif., March 12, 1934, for 400 gallons per day from an unnamed spring for domestic purposes. Est. cost, $195.

4295, App. 7793 (Ventura County) issued to Chester F. Robbins, Ventura, Calif., March 13, 1934, for 1.0 cu. ft. per sec. and 1.0 acre ft. per annum from Middle (or Center) Creek for domestic purposes and irrigation of 80 acres.

4296, App. 7804 (Humboldt County) issued to Hilda Carlson, Arcata, Calif., March 13, 1934, for 1.0 cu. ft. per sec. from Mad River for domestic purposes and irrigation of 30 acres. Est. cost $750.

4297, App. 7579 (Inyo County) issued to Ash R. Moore, Los Angeles, Calif., March 28, 1934, for 1.0 cu. ft. per sec. from Water Canyon for mining and milling purposes. Est. cost, $300.

4298, App. 7580 (Inyo County) issued to Asa R. Moore, Los Angeles, Calif., March 28, 1934, for 1.0 c. ft. per sec. from Lost Cabin Springs for mining and milling purposes. Est. cost, $600.

4299, App. 7808 (Los Angeles County) issued to United States-Angeles Nat'l. Forest, Los Angeles, Calif., March 28, 1934, for 0.003 cu. ft. per sec. from Grassy Spring for recreational and fire protection purposes. Est. cost, $100.

4300, App. 7760 (Sierra County) issued to N. J. Laughlin, Downieville, Calif., March 29, 1934, for 3.0 cu. ft. per sec. from Secret Canyon for mining and domestic purposes. Est. cost, $100.

4301, App. 7639 (Trinity County) issued to Hilton Placer Mine, Salyer, Calif., March 30, 1934, for 1.0 cu. ft. per sec. from an unnamed stream for mining and domestic purposes. Est. cost, $500.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during March, 1934:

Application 7858 (Amador Co.) Nathaniel B. Ellery, 2124 E 39th Street, Oakland, for 270,000 ac. ft. per annum from Cosumnes river, tributary to Mokelumne river; to be diverted for power purposes, 11930 t.h.p. to be developed. Est. cost, $5,700,000.

Application 7859 (Amador Co.) Nathaniel B. Ellery, 2124 E 39th Street, Oakland, for 270,000 ac. ft. per annum from Cosumnes river, tributary to Mokelumne river; to be diverted for municipal purposes.

App. 7860 (Modoc Co.) South Fork Irrigation District, Likely, Calif., for 17,000 ac. ft. per annum from West Valley creek, South Fork Pit river and Pit river, tributary to Sacramento river, to be diverted for irrigation purposes on 12,900 acres. Est. cost, $160,000.

App. 7861 (Modoc Co.) South Fork Irrigation District, Likely, Calif., for 50 c.f.s. and 17,000 ac. ft. per annum from West Valley Creek, South Pit river and Pit river tributary to Sacramento river, to be diverted for power purposes, 1136 t.h.p. to be developed.

App. 7812 (Tehama County) Coneland Water Co., Los Molinos, for 5 c.f.s. from Sacramento river, to be diverted for irrigation purposes on 500 acres. Est. cost, $4,000.

App. 7863 (Sierra County) Blue Jay Mining Corp., Downievile, for 3 c.f.s. from Last Chance Creek, tributary to Rock Creek and North Fork Yuba river, to be diverted for mining and domestic purposes. Est. cost, $500.

App. 7864 (Butte Co.) J. G. Land, John Bean and Wm. M. Bills. Feather Falls, for 3 c.f.s. from Sucker Run and Big Winters Creeks tributary to South Fork Feather river, to be diverted for irrigation and domestic purposes on 150 acres.

App. 7865 (Inyo County) W. R. Wallace, Darwin, for 1 c.f.s. from Darwin Wash, tributary to no stream, to be diverted for mining and domestic purposes. Est. cost, $10,000.

App. 7866 (Mendocino County) Hilbert Gardella, 920 Edinburgh St., San Francisco, for 0.087 c.f.s. from Big Dann Creek tributary to South Fork Eel river, to be diverted for irrigation and domestic purposes on 5 acres. Estimated cost, $500.

App. 7867 (Mariposa Co.) Estelle I. Fraser, Coulterville, for 1 c.f.s. from North Fork Merced river tributary to Merced river, to be diverted for mining and domestic purposes.

App. 7868 (Inyo Co.) Mrs. Joan Cronin, Hotel Mayfair, Los Angeles, for Angeles, for 0.06 c.f.s. from Upper Centennial spring tributary to no stream, to be diverted for mining purposes. Est. cost, $500.

App. 7869 (Placer Co.) E. F. Wilkie and A. S. Bacon, Iowa Hill, for 7.50 c.f.s. from Brushy Creek, tributary to Shirttail Canyon and North Fork of American river, to be diverted for mining purposes. Est. cost, $4000.

App. 7870 (Siskiyou Co.) Harry R. Dimmick, Sawyers Bar, for 2 c.f.s. from East Fork of Whites gulch tributary to Salmon river, to be diverted for mining and domestic purposes.

App. 7871 (Trinity Co.) James Russell Blair, Weaverville, for 0.2 c.f.s. from Mountain Lion tunnel, tributary to Little Papoose creek, to be diverted for mining purposes. Est. cost, $50.

App. 7872 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 0.025 c.f.s. from Icy Springs creek tributary to Big Rock creek, to be diverted for recreational purposes. Est. cost, $2700.

App. 7873 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 0.002 c.f.s. from Spring Camp spring tributary to Big Santa Anita, to be diverted for domestic and fire protection purposes. Est. cost, $85.

App. 7874 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 0.0015 c.f.s. from Magnetic spring tributary to Santa Clara river, to be diverted for fire protection purposes. Est. cost, $100.

App. 7875 (Lassen Co.) U. S. Lassen National Forest, Susanville, for 2,000 gals. per day from Coopervale spring tributary to Hamilton branch of the Feather river, to be diverted for domestic purposes. Est. cost, $3000.

App. 7876 (Shasta Co.) Harry Newton, Redding, for 0.25 c.f.s. from North fork of Olney creek tributary to Tadpole creek, to be diverted for mining purposes. Est. cost, $200.

App. 7877 (Plumas County) Golden Eagle Mining Co., 2076 Gray St., Oroville, for 20 c.f.s. from Fall river tributary to Middle fork Feather river, to be diverted for mining purposes.

App. 7878 (Placer Co.) J. H. Stephens, 2531 H St., Sacramento, for 115 c.f.s. and 16,000 ac. ft. per annum from Monumental creek and nine other tributaries to North Fork of North Fork American River, to be diverted for mining purposes.

App. 7879 (Inyo Co.) Inyo Mines Inc. 1040 W. 21st St., Los Angeles, for 1.1 c.f.s. from Upper Addie and Paiute Springs tributary to Saline Valley Sink, to be diverted for mining and domestic purposes. Est. cost, $5000.

App. 7880 (Shasta Co.) H. C. Orofoot, Igo, Cal., for 275 c.f.s. from Clear, Boulder, Brandy and South Forth Clear Creek tributary to Sacramento river, to be diverted for mining domestic purposes.

App. 7881 (San Diego Co.) Carl F. Lassen, Barrett, for 720 gals. per day from an unnamed spring tributary to Cottonwood Creek, to be diverted for domestic purposes. Est. cost, $300.

App. 7882 (Siskiyou County) U. S. Klamath National Forest, Yreka, for 0.2 c.f.s. from Kelsey Creek, tributary to Scott river, to be diverted for irrigation purposes on 3 acres. Est. cost $1500.

App. 7883 (Siskiyou County) U. S. Klamath National Forest, Yreka, for 0.025 c.f.s. from Kelsey Creek tributary to Scott River, to be diverted for recreational purposes.

App. 7884 (Siskiyou County) U. S. Klamath National Forest, Yreka, for 0.075 c.f.s. from Kelsey Creek tributary to Scott river, to be diverted for domestic purposes.

App. 7885 (Plumas Co.) Walter J. Nelson and J. W. McKay, Crescent Mills, for 0.75 c.f.s. from Deadwood creek tributary to Spanish Creek, to be diverted for power purposes, 12-t.h.p. to be developed.

App. 7886 (Sutter Co.) Sutter Mutual Walter Co., Robbins, for 8.05 c. f. s. from Sacramento river, to be diverted for irrigation purposes on 322 acres.

App. 7887 (El Dorado Co.) Lucile E. Pyle, Placerville, for 1. c.f.s. from Long Canyon creek tributary to South Fork American river, to be diverted for mining and domestic purposes. Estimated cost, $1000.

App. 7888 (Humboldt Co.) Division of Highways, Sacramento, for 5,000 gals. per day from an unnamed spring tributary to South Fork of the Eel river, to be diverted for drinking fountain on state highway. Est. cost $250.

App. 7889 (Merced Co.) Jos. P. East, Snelling, for 2 c.f.s. from waste water tributary to Ingalsby slough and Merced river, to be diverted for irrigation and domestic purposes on twenty acres.

25—MACHINERY AND EQUIPMENT

BID ACCEPTED

CENTERVILLE, Alameda Co., Cal. —Board of Trustees of Washington High School, Centerville, has accepted the lowest bid submitted for furnishing the school a new safety coach transportation bus. The chassis, an Indiana, the product of the White Co., and a Papchet body were the selection. Approximate cost, $3,400. The bids have been submitted to District Attorney Warren for approval.

BIDS OPENED

FRESNO, Fresno Co., Calif.—J. D. Adams Co., 230 Utah St., San Francisco, at $877.35, 2% 30 days, submitted low bid to the State Bureau of Purchases, 323 State Capitol, Sacramento, for furnishing two 7-ft. hand-operated, leaning wheel type graders, f.o.b. Division of Highways Shop 6, Fresno.

The other bids were:

Jenison Machinery Co., San Francisco, $895.25; 2% 30 days.

Budd & Quinn, Inc., Fresno, $1,-208.00; 2% cash.

All bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO. — Metropolitan Water District, 306 W 3rd St., Los Angeles, at $2,025 submitted high bid and awarded contract by T. A. Brooks, Purchasing Agent, City Hall, San Francisco, under Sale No. 101, for the sale of one Ingersoll-Rand XRB compressor.

J. E. Knapp Co., San Francisco, at $1,050 submitted the only other bid.

PURCHASE AGREEMENT

IMPERIAL, Cal.—The Imperial Irrigation Dist. has executed an agreement to purchase from the Hooven, Owens, Rentschler Co. three 1100-hp. Diesel engines and electrical equipment for a power plant to serve as an auxiliary to the hydraulic power generators to be installed on the All-American Canal. The purchase price is $228,546.36. M. J. Dowd is the chief engineer of the district.

Bids Rejected.

SACRAMENTO, Calif.—All bids received by the Sacramento City Council March 29 for furnishing 9 dump bodies for use on the city's garbage trucks have been rejected. City Manager James S. Dean reported that the two low bids were illegal. The bodies will be purchased on the open market. Byer, Anderson and Stocker Co., Sacramento, at $8,219 submitted low bid.

CONTRACT AWARDED

FORT PECK, Montana—Bucyrus-Erie Co., South Milwaukee, Wisc., at $156,290 awarded contract by U. S. Engineer Officer, Kansas City, Mo., for twenty dredge pumps, complete with accessories and fittings for the Fort Peck Project, Montana.

BIDS OPENED

SACRAMENTO, Cal.—Midland Tractor Co., 1701 Second St., Sacramento, at $1187 (Cat. No. 33) submitted low bid to the State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation 37165; Req. 8718, for furnishing one 8-ft. hand operated leaning wheel type grader f.o.b. Division of Highways Shop 5, Hollister.

Jenison Machinery Co., San Francisco, at $1226 (Galion No. 88) and scarifier, $218; and Austin Western Road Machinery Co. (No. 8 Austin leaning wheel) at $1226 submitted the only other bids.

All bids 2%, 30 days.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Department of Agriculture, Division of Purchases, April 3 for furnishing two leaning wheel graders for use at Oakland, under Proposal 6217:

Caterpillar Tractor Co., Peoria, Ill., $2285.36 each; Austin Western Road Machinery Co., Philadelphia, $2285.36; W. A. Riddell Co., Bucyrus, Ohio, $1-771, 2%; Galion Iron Works, Galion, Ohio, $2285.36.

28—FIRE EQUIPMENT

BIDS OPENED

MARE ISLAND, Calif.—Howe Fire Apparatus Co., Anderson, Ind., (5%) at $1,974.50 and $1,986.27 submitted the low bid to the Bureau of Yards and Docks, Navy Dept., Washington, D. C., March 30, under Sch. 1995, for furnishing combination booster pump and hose car fire engine for Mare Island. Complete bids follow:

Howe Fire Apparatus Co., Anderson, Ind., (5%) $1,974.50 and $1,986.27.

General Fire Truck Corp., St. Louis, (2%) $2,622 and $2,879.

Chicago Pneumatic Tool Co., Philadelphia, $3,159.90.

Peter Pirsch & Sons Co., Kenosha, Wis., (1%) $3,212.50.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

SALT LAKE CITY, Utah—A. H. Walsh, Salt Lake City, at $9115 awarded contract for the construction of a lawn sprinkling system at the Veterans' Administration Facility, Salt Lake City, Utah.

BIDS OPENED

BONNEVILLE, Ore. — Lynch Bros., 3635 Woodland Park Ave., Seattle, at $7,525 submitted low bid to the U. S. Engineer Office, Portland, April 5, under Bid 34-580, for performing all the work required in drilling for the purpose of obtaining reliable information as to the nature of materials below the surface at Ruckle Slide on the south bank of the Columbia river about 44 miles east of Portland, in connection with the Bonneville dam project.

Fred B. and Frank G. Cannon, Los Angeles, at $10,225 submitted the only other bid.

Engineer's estimate, $15,000.

31— PIPE LINES & WELLS

BIDS REJECTED

ROSEVILLE, Placer Co., Calif.—R. L. Norris, Sacramento, at $4,904 submitted low bid to the Roseville City Council April 5 for drilling and casing a well 18- and 12-in. in diameter to a depth not exceeding 450 ft. San Jose Well & Pump Works, San Jose, at $5,284.50 submitted the only other bid.

All bids were rejected.

BIDS WANTED

RIO VISTA, Solano Co., Cal.—Until April 17, 3 P. M., bids will be received

by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, under Spec. No. 6277, for drilling a well, the depth to be determined upon by the contracting officer, and the installation of a 7⅝-in. wrought well casing, at the U. S. Engineer depot, Rio Vista. Bids will be taken as follows:

(1) moving to job, setting up equipment ready for drilling, and dissembling and moving from job at end of work, complete;

DRILLING AND CASING:

(2) 1 to 50, per ft.;
(3) 51 to 100 ft., per ft.;
(4) 101 to 150 ft., per ft.;
(5) 151 to 200 ft., per ft.;
(6) 201 to 250 ft., per ft.;
(7) 251 to 300 ft., per ft.;
(8) testing flow five times, each;
(9) perforating pipe 30 ft., per ft.

Plans and specifications are obtainable from the above office.

32—SEWERS & SEWAGE

COMPLETE BIDS

LOS ANGELES, Cal.—L. W. Odell, 6517 Drexel Ave., Los Angeles, at $2-515 (previously reported at $251,500) submitted low bid to Los Angeles Board of Public Works, April 4, for constructing an extension to the By-pass at the Hyperion treatment plant.

The other bids were:

Case Const. Co., L. A.	$3,497
R. A. Wattson, L. A.	3,550
Miagenovich & Gillespie, L. A.	3,789

BIDS WANTED

COALINGA, Cal.—Until April 19, 5 P. M., as previously reported, bids will be received by City Clerk E. J. McCroskey, Coalinga, for the construction of a complete sewage treatment works and outfall sewer extension, involving:

(1) 1891.5 lin. ft. constructing 15-inch sewer outfall;
(2) 5 manholes with covers, complete;
(3) 64 ft. span bridge with concrete pile and abutment, complete;
(4) trestle with concrete piles, complete;
(5) sedimentation tank complete with 15-in. effluent pipe in headwall; 6-in. cast iron sludge pipe with valves; 6-in. cast iron pipe from scum gutter with valve;
(6) pump house complete with concrete footings and concrete floor;
(7) pump complete with foundation, motor, switchboard, wiring for pump, etc.;
(8) sludge digestion tank, complete with 6- and 4-in. cast iron fresh sludge pipes with valves; 8-inch cast iron digested sludge pipe with valves; 6-in. cast iron overflow pipe line and all remaining valves, fittings, gas burner, heating coils, sampling pipe, etc.;
(9) 2 sludge drying beds, excavation only, including placing of all excavated material in position around tanks.

The city has applied for a grant from the PWA but the grant has not yet been approved. Estimated cost, $20,000.

Plans and specifications obtainable from the city clerk upon payment of $10, of which $5 is returnable.

John S. Bates, 3134 Eton, Berkeley, is the consulting engineer.

PLANNED

SAN MATEO COUNTY, Calif.—San Mateo County plans to vote on a $450-000 bond issue to finance construction of the San Mateo County Harbor at Redwood City. The issue will probably be submitted at the August primary.

The county has applied to the PWA for a loan of $300,000 and a grant of $78,000.

BIDS WANTED.

COALINGA, Cal.—Until April 19, 5 P. M., bids will be received by City Clerk E. J. McCroskey of the Coalinga City Council for the construction of a complete sewage treatment works and outfall extension.

Plans and specifications obtainable from the City Clerk upon payment of $10, $5 of which is returnable.

The City has applied for a grant from the PWA, but the grant has not yet been approved.

Estimated cost, $20,000. John S. Bates, Berkeley, is Consulting Engineer.

NEW BIDS ASKED

MONTEREY, Monterey Co., Calif.—Until April 24, 7:30 P. M., new bids will be received by the Monterey City Council for construction of the outfall sewer system and intercepting sewer.

Alternate bids will be considered as follows:

(1) for the project complete;
(2) for furnishing materials;
(3) for the construction of the outfall;
(4) for the construction of the intercepting system.

PETITION FILED

PALM SPRINGS, Riverside Co., Cal.—A petition asking for the formation of a sanitary district to construct a sewer system and disposal plant in Palm Springs has been filed with the Riverside County Board of Supervisors. J. F. Davidson of the firm of Davidson & Fulmor, is the engineer.

33—WATERWORKS

CONTRACTS AWARDED

COLTON, Cal.—Contracts for constructing the new city water system were formally awarded by the Colton city council April 3 as follows:

J. N. Rodgers, Bishop, drilling two wells, at $5460 and $4010.

Fairbanks, Morse & Co., Los Angeles, pumping station & booster pumps, at $2207.08.

Southern Pipe & Casing Co., Azusa, constructing pipe lines, at $38,676.

Myers Brothers, Los Angeles, constructing reinforced concrete reservoir at $43,450.

BONDS DEFEATED

TUCSON, Ariz.—The $203,000 bond issue to finance construction of improvements to the water system in Tucson was defeated at an election April 3. A recently allotted PWA loan of $250,000 was contingent upon the successful outcome of the election.

33

BIDS OPENED

ROSEVILLE, Placer Co., Cal.—Followings bids received by the Roseville City Council April 5 for furnishing pipe, valves, fittings and specials for the Roseville Water System:

U. S. Pipe & Foundry Co. San Francisco, for A.W.W.A. special C.I.P.; $11,326, for standard cast iron pipe. The bid includes couplings and specials.

American Cast Iron Pipe Co., San Francisco, $14,804.48 for pipe, valves and fittings (job complete).

Water Works Supply Co., San Francisco, $1,146.28 for valves; $1,036.38, alternate.

A. P. Smith Mfg. Co., San Francisco $1,146.28 for valves; $899.50, alternate.

W. P. Alexander Co., San Francisco $967.31 alt., for valves.

Renselaer Valve Co., San Francisco, $1,146.28 for valves; $1,036.38 alternate.

R. D. Wood & Co., Los Angeles, $13-855.53, partial bid, for pipe and valves.

Crane Co., San Francisco, $15,924.68 for pipe, valves and fittings (job complete) $13,891.78, alternate.

L. M. Johnson, Roseville, $1,540.70, for 2-in. pipe only.

Pacific States Cast Iron Co., S. F., $9,157.00 for 2-in. pipe and specials.

Walworth Co. of California, S. F., $2,704.48 for 2-in. pipe, specials and valves; $2,402.78, alternate.

Sacramento Pipe Works, Sacramento, $2,675.68 for 2-in. pipe and valves; $2,497.58 alternate.

Dallman Supply Co., Sacramento, $2,509.46 for 2-in. pipe and valves.

Wolfe & Royer, Roseville, $2,725.48 for 2-in. pipe and valves.

All bids held under advisement.

CONTRACT AWARDED

FORT PECK, Mont.—Republic Steel Corp., Youngstown, O., at $4,744 was awarded contract by U. S. Engineer Office, Kansas City, Mo., for furnishing steel pipe for temporary water system at the site of the Fort Peck Project. Joseph Greenspon's Son Pipe Corp., St. Louis, Mo., at $6,183.50 also awarded contract for this project.

CONTRACTS AWARDED

SAN FRANCISCO, Cal.—The following firms have been awarded contracts by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing pipe and fittings under Bid 1158:

Dalziel-Moller Co., Walworth-California Co., P. E. O'Hair & Co., Dunham, Carrigan & Hayden Co.; Marshall-Newell Supply Co.; Richmond Sanitary Co.; Olsen & Heffernan; Steam & Plumbing Service Corp.; Grinnel Co. of the Pacific; United Pipe & Supply Co., and Tay-Holbrook, Inc.

LOW BIDDERS

MARE ISLAND, Cal.—C. C. Moore Co., 450 Mission St., San Francisco, at $11,560 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a continuous blow-down water softening and chemical feeding system at the Navy Yard, Mare Island. Specification No. 7610. Second low bid was submitted by the Permutit Company, Philadelphia, at $11,679.

34—PARKS AND PLAY-GROUNDS

BIDS REJECTED

BENTON FIELD, Alameda Co., Cal.—Construction Quartermaster, Fort Mason, rejected all bids received Mar. 21 for construction of approximately 4660 lineal feet of chain link fence at Benton Field Air Depot, Alameda. New bids will be asked shortly. On previous bid opening identical bids were submitted by all bidders.

BIDS REJECTED

ROSEBURG, Oregon—Veterans' Bureau rejected all bids for tree planting and shubbery plant at the Veterans' Administration Facility, Roseburg, Oregon. On bid opening only bid was submitted by Doty Doerny, Portland, at $4317.

BIDS WANTED

EL CENTRO, Imperial Co., Cal.—Until April 16, bids will be received by the Custodian, El Centro Post Office, for a sprinkler system at the U. S. Post Office, El Centro.

CONTRACT AWARDED

BENICIA, Solano Co., Cal.—Trask & Squires, 39 Natoma St., San Francisco, at $852 awarded contract by Commandinf Officer, Benicia Arsenal, for the erection of 840 feet of chain link fabric fence, five feet high, around the Main Reservoir at the Benicia Arsenal. Identical bids at $852 were submitted by the following:

Trask & Squires, Michel & Pfeffer Iron Works, Kamian Fence Co., Standard Fence Co., Western Steel & Wire Works, Anchor Post Fence Co., Wickwire Spencer Co., C. J. Waterhouse, California Ornamental Iron Fence Co.,

West Coast Wire & Iron Works, Munthe Equipment Co., Wyne Iron Works, California Wire Cloth Co.

BIDS WANTED

COALINGA, Fresno Co., Cal.—Until April 19, 5 P. M., bids will be received by City Clerk E. J. McCroskey of the Coalinga City Council, for furnishing and installing one deep well turbine pump ofthe submerged motor type, guaranteed to operate in the 16-inch diameter city well, and to have a rated capacity of 1000-g.p.m. at 130 feet. The motor is to be 40-hp., 3-phase, 60-cycle, 440-volt, 1200-g.p.m. Alternative bids on 50- and 60-hp. will also be considered. The city will provide motor control switch and automatic starter for motor.

Bidders are required to submit proof that they are recognized as successful manufacturers of submerged type motors and pumps and are thoroughly familiar with their installation. List of six similar installations which have been in continuous operation for at least three years is to accompany bid.

Specifications obtainable from above office.

29—STREETS AND HIGHWAYS

BIDS WANTED

FORT PECK, Mont.—Until April 27 12 M., blds will be received by the U. S. Engineer's Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for constructing bituminous conc. pavement, walks and driveways at the site of the proposed Fort Peck construction camp, about 25 miles southeast of Glasgow.

Plans and specifications obtainable from above office upon deposit of $25.

CONTRACT AWARDED

SAN DIEGO, Cal.—George Gardner & Sons, Redlands, at $17,682 awarded contract by Navy Department, Washington, D. C., for improvement of the landing field (oiling Area "L") at the Naval Operating Base, San Diego, under Spec. 7658

CONTRACT AWARDED

FT .PECK, Mont.—R. Newton McDowell, Kansas City, Mo., at $368,000 awarded contract by U. S. Engineer Office, Kansas City, for placing stone in stockpiles, at the site of the Fort Peck Dam construction camp, Fort Peck Project.

CONTRACT AWARDED

FORT PECK, Montana.—Morrison-Knudsen Co., Spokane, Wash., at $108-950 awarded contract by U. S. Engineer Office, Kansas City, for grading about 25 miles, and other improvements at the site of the Fort Peck Dam construction camp, Fort Peck Project.

BIDS WANTED

ALHAMBRA, Los Angeles Co., Cal. —Until April 17, 9 A. M., bids will be received by the Alhambra City Council for furnishing asphalt concrete for the Garfield Avenue repaving from Ramona Blvd. to Valley Blvd., involving:

(1) 2,000 tons asph. conc. base (delivered on the job);
(2) 1,500 tons asph. conc. wearing surface, ¾-in. maximum side (delivered on the job).

BIDS WANTED

PLUMAS COUNTY, Cal.—Until May 2, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with oil about 102.2 miles in Plumas County between Rich and Quincy, between the westerly boundary and Quncy, between Keddie and Chester, between Blairsend and the Sierra County line. The work requires:

(1) 3370 bbls. asphaltic road oil;
(2) 5670 bbls. heavy fuel oil.

Plans and specifications obtainable from above office, and on file at the offices of the District Engineer in San Francisco and Los Ageles and the district in which the work is situated.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal. —Until April 24, 10 A. M., bids will be received by Glendale City Council for resurfacing Canada Blvd. between San Gabriel Ave. and 500 ft. north of Verdugo Road, 1.47 miles, under cash contract, involving:

(1) grading, lump sum (37,500 sq. ft.)
(2) 1628 ft. curb;
(3) 6860 sq. ft. walk;
(4) 8300 tons asph. conc. (resurfacing)
(5) storm drain (lump sum).

The storm drain will involve:

288 ft. 36-in. centrif. spun RC pipe;
80 ft. 27-in. do;
64 ft. 21-in. do;
156 ft. 18-in. do;
36 ft. 15-in. do;
100 ft. 12-in. do;
6 catchbasins;
2 manholes.

J. C. Albers is the city engineer.

BIDS WANTED

MONROVIA, Los Angeles Co., Cal.—Until April 21, 10 A. M., bids will be received by the Monrovia City Council for improving Mountain Ave. and Oak Park Lane and other streets, by resurfacing and other work under cash contract. The resurfacing of Mountain Ave. will be 40 ft. wide and on Oak Park Lane 24 ft.

The work involves:

(1) 124,000 sq. ft. light macadam paving, about 1½-in.;
(2) 225 lin. ft. cement curb;
(3) 650 sq. ft. concrete gutter;
(4) 7,950 lin. ft. resurfacing trench on Greystone Ave. and Hillcrest Blvd. (lump sum bid).

Plans and specifications obtainable from the above office upon payment of $2. . Garth Duell, city engineer.

BIDS WANTED

LASSEN AND MODOC COUNTIES, Cal.—Until May 2, 2 P. M., bids will be received by the State Highway Commision, Sacramento, for treating with fuel oil about 92.2 miles in Lassen and Modoc Counties bet. Litchfield and Alturas. The work requires 10,330 bbls. heavy fuel oil.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer in San Francisco ad Los Angeles, and the district i which the work is situated.

BIDS WANTED

SANTA CRUZ COUNTY, Cal.—Until May 2, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for surfacing with bituminous macadam and bituminous surfacing all to be placed on crusher run base on about 6.7 miles in Santa Cruz County, between 1 mile north of Inspiration Point and Scotts Valley, Involving:

(1) 50,000 cu. yds. slops excav. unclass.;
(2) 750,000 sta. yds. overhaul;
(3) 56,000 tons crusher run base;
(4) 21,200 tons broken stone bit. macadam;
(6) 1500 tons crushed rock bit. surf :
(7) 41 tons emulsified asph. road oil bituminous surfa cong;
(8) 1120 tons natural rock aspna bituminous surfacing;
(9) 880 bbls. fuel oil shoulders;
(10) 445 tons screenings shoulders;
(11) 75 each embankment protector assemblies to be removed and reset;
(12) 190 each culvert markers;
(13) 180 ach monuments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer in San Francisco and Los Angeles, and the district in which the work is situated.

CONTRACT AWARDED

LOS ANGELES, Cal.—Geo. R. Curtis Paving Co., 2440 E. 26th St., Vernon, at $44,394.94 awarded contract by Los Angeles County Supervisors, April 9, for improvement of Long Beach Blvd. from the north boundary of the City of South Gate south of Cudahy St., north to the south boundary of the City of Huntington Park at Florence Ave., 0.61 mile.

BIDS WANTED

MARIN COUNTY, Cal.—Until April 23, 11 A. M., bids will be received by the Marin County Board of Supervisors, San Rafael, for improvement of various county roads as follows: Terrace Ave. and Park Ave., Bolinas, 0.8 mile; Bolinas-Olema road from Women's Club, Bolinas, to Pine Gulch corner, 0.8 mile; Mill Valley-Stinson Beach rad from Muir Woods toll gate to Edgewood, Mill Valley, 1.3 miles; town of Tiburon from end of the state highway easterly 0.3 mile; Tiburon Blvd. from 1 mile east of Tiburon to California City, 1.7 miles.

Bids will be taken on one contract for all of the work, involving the following approximate quantities:

(1) 242 bbls. light oil;
(2) 117 tons heavy oil;
(3) 1051 tons crushed rock;
(4) 525 tons screenings.

Specifications available at the office of County Surveyor Rodney Messner and the county clerk, San Rafael. No charge will be made to prospective bidders.

BIDS WANTED

ALAMEDA COUNTY, Cal. — Until May 2, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with either asphalt concrete or Portland cement concrete, as the Department of Public Works may elect, about 1.1 miles in Alameda County, between San Leandro and Oakland, involvong:

(1) 48,000 cu. yds. rdwy. excav., unclass.;
(2) 61 000 sta. yds. overhaul;
(3) 1960 cu. yds. struc. excav.;
(4) 185 cu. yds. remove conc. from exist. curbs, sidewalks and structures;
(5) 32,000 sq. yds. prepare subgrade for pavement;
(6) 5500 sq. yrs. asph. paint binder;
(7) 1200 tons asph. conc. street intersections exclusive of central 40-ft. pavement strip;
(8) 250 cu. yds. Class A Port. cem. conc. curbs, gutters and sidewalks
(9) 757 cu. yds. Class A Port. cem conc. structures;
(10) 73,000 lbs. bar reinf. steel struc.
(11) 336 lin. ft. temporary bridge railing;
(12) 310 lin. ft. 8-in. CMP;
(13) 388 lin. ft. 18-in. CMP;
(14) 764 lin. ft. 18-in. CMP close riveted and soldered;
(16) 160 lin. ft. 24-in. CMP close riveted and soldered;
(17) 110 lin. ft. 48-in. CMP;
(18) 1 only CMP elbow 18-in. dia.;
(19) 16 each special catchbasins;
(20) 20 each conc. joints 18-in. culvert
(21) 5 each concrete joints 24-in. culvert;
(22) 1870 cu. yds. crusher run base;
(23) 12,000 sq. yds. mixing fuel oil and shoulder surfacing;
(24) 500 bbls. heavy fuel oil shoulders;
(25) 100 M. gals. water;
(26) 0.5 mi. new property fence;
(27) 0.4 mi. move and rest exist. prop fence;
(28) 7 each fence gates;
(29) 55 each mounments complete in place.

ALTERNATE ITEMS FOR CENTRAL 40-FT. PAVEMENT STRIP

ALTERNATE A

(1) 12 tons emulsified asphalt;
(2) 65 tons screenings;
(3) 9370 tons asph. concrete;

ALTERNATE B

(1) 50 tons asph. road oil seal coat;
(2) 4970 cu. yds. Class A Port. cem conc. pavement;
(3) 129,600 lbs. bar reinf. steel pave.

NOTE:

Alternative A sets forth the necessary items for the construction of the central 40-ft. width of pavement with asphalt concrete.

Alternative B sets forth the necessary items for the construction of the same area with Portland cement concrete.

The contract may be awarded on the basis of constructing the said portion of either type at the option of the Department of Public Works.

Plans and specifications obtainable from above office, and on file at the offices of the District Engineers of San Francisco and Los Angeles, and the district in which the work is situated

BIDS OPENED

MARCH FIELD, Riverside, Cal.—G. R. Abbott, P. O. Box 271, La Jolla, at $13,429.31 (job complete) submitted low bid to the Constructing Quartermaster, March Field, April 9, for reconditioning roads at March Field. Bids were taken as follows:

I—All work complete;
II—Deduction if 1072 lin. ft. concrete curbs are omitted;
III—Deduction if 8300 lin. ft. of 4-in. concrete sidewalks are omitted;
IV—Deduction of 1843 sq. yds. reinf. concrete pavement are omitted.

Complete bids follow:

G. R. Abbott, La Jolla, (I) $13,429.31 (II) $650.00 (III) $1245.00 (IV) $3550.

B. G. Carroll, San Diego, (I) $13,-543.00 (II) $643.00 (III) $1235.83 (IV) $3361.00.

Matich Bros., Elsinore, (I) $13,889.-15 (II) $536.00 (III) $1369.50 (IV) $3,-114.30.

Cresmer Mfg. Co., Riverside, (I) $15,785 (II) $498 (III) $1353 (IV) $3203.

Myers Bros., Los Angeles, (I) $16,-678 (II) $322 (III) $1222 (IV) $4135.

All bids held under advisement.

BIDS WANTED

ARIZONA STATE.—Until April 25, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for grading, draining, placing base course and road mix on approximately 9¾ miles on the Prescott-Jerome Highway NRS 19-A and 19-B, beginning at the Ashfork - Jerome Highway junction & extending northeasterly towards Jerome, involving:

(1) 24,400 cu. yds. road excavation;
(2) 100 cu. yds. struc. excav.;
(3) 3,600 cu. yds. borrow;
(4) 77,500 lin. ft. line fence;
(5) 29,000 cu. yds. aggregate base;
(6) 114,000 cu. yds. agg. base haul;
(7) 10,000 cu. yds. mineral aggregate;
(8) 182,000 gals. road oil;
(9) 9.25 miles processing road mix;
(10) 228 tons emulsified asphalt;
(11) 450 lin. ft. CMP;
(12) 800 cu. yds. screenings;

T. S. O'Connell, State Highway Engineer. Plans and specifications obtainable from the above office.

BIDS OPENED

SKAGIT COUNTY, Wash.—A. Del Guzzo, 3702 Ida St., Seattle, at $71,-014.50 submitted low bid to the Skagit County Commissioners, April 5, for construction of Deception Pass Road, Secondary Highway Project No. 9. Complete bids follow:

A. Del Guzzo, Seattle.....$71,014.50
Wilder & Montfort, Blaine.... 76,186.70
Cowan-Hubback, Seattle..... 80,428.80
C. L. Creelman, Seattle..... 80,663.10
Rumsey & Co., Seattle..... 80,991.80
R. C. Sisson, Bellingham..... 82,804.10
L. J. Dowell, Seattle..... 83,651.40
Hallaron Bros., Seattle..... 84,841.00

Bids held under advisement.

BIDS REJECTED

LEWIS & PIERCE Counties, Wash.—All bids received by L. V. Murrow, Director of Highways, Olympia, April 3, for surfacing and stockpiling for about 78.1 miles of State Road No. 5, Mill Creek to Elbe and Kosmos to Packwood, have been rejected.

Newport Const. Co., Portland, at $62,942 submitted low bid.

Project re-advertised for opening April 24.

AWARD

CLARK COUNTY, Nev.—Morrison-Knudson Co., P. O. Box 1518, 318 Broadway, Los Angeles, at $177,522.80 awarded contract by U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and surfacing Section A of Federal Lands Highway Project No. 7, N. R. P. L. 7-A, Charleston Park Road, in Clark County, Nev.

CONTRACT AWARDED

COLUMBIA and Garfield Counties, Wash.—M. J. Kuney Co., 419 Hutton Bldg., Spokane, at $50,642 awarded contract by L. V. Murrow, Director of Highways, Olympia, for grading, surfacing and stockpiling crushed stone (oil rock) material on about 29.7 miles of State Road No. 5, end of the pavement north of Dayton to Pomeroy, Unit 1 of FPW Project in Columbia and Garfield Counties.

BIDS WANTED

KING & Snohomish Counties, Wash. Until April 24, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading and surfacing with crushed stone about 5.5 miles of State Road No. 15, Money Creek to Halford, Unit 1 of U. S. P. W. Project No. NRH 189-B, in King and Snohomish counties. The work involves:

(1) 41 acres clearing;
(2) 185,450 cu. yds. excavation;
(3) 35,450 cu. yds. gravel borrow;
(4) 15,190 cu. yds. crushed stone surfacing materials;
(5) 4,866 lin. ft. of pipe;
(6) other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS REJECTED

KING & PIERCE Counties, Wash.—All bids received by L. V. Murrow, Director of Highways, Olympia, April 3 for stockpiling crushed stone materials for about 30.5 miles of State Road No. 5, Enumclaw to Park Entrance, have been rejected.

Edward L. Edland, Tacoma, at $65,-255 submitted the low bid.

Project re-advertised for opening April 24.

BIDS WANTED

KING & PIERCE Counties, Wash.—Until April 24, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for stockpiling about 37,720 cu. yds. of crushed stone (oil rock) materials for about 30.5 miles of State Road No. 5, Enumclaw to Park Entrance, Unit 1 of F P W Project No. 6720, in King and Pierce Counties.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS WANTED

LEWIS & PIERCE Counties, Wash. Until April 24, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for surfacing with crushed stone and stockpiling crushed stone surfacing and oil rock for about 78.1 miles of State Road No. 5, Mill Creek to Elbe and Kosmos to Packwood, Unit 1 of FPW Project No. 8003, in Lewis and Pierce Counties, involving about 31,090 cu. yds. crushed stone surfacing and oil rock materials.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS WANTED

DOUGLAS, Grant & Lincoln Cos., Wash.—Until April 24, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for constructing a bituminous treated surface by the road mix method on about 11.8 miles and constructing a non-skid seal coat on about 83.6 miles of State Road No. 2, Orondo to Wilbur, Unit 2 of FPW Project No. 7762, in Douglas, Grant and Lincoln Counties. The work involves:

(1) 1,432 tons bit. cem. cutback asphalt RC-4;
(2) 4,060 bbls. of bit. cement SC-2 road oil;
(3) miscellaneous items of work.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS WANTED

TILLAMOOK COUNTY, OREGON.—Until April 20, 10 a. m., bids will be received by the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, Oregon, for constructing or improving the McMinnville - Tillamook Reconstruction Grading & Subgrade Reinforcement Project NR-1-A1, B, National Forest Project, Suislaw National Forest, Tillamook County, Oregon. The length of the project is approximately 4.4117 miles and involves the following approximate quantities:

(1) 34 A. clearing.
(2) 18 A. grubbing.
(3) 153,800 c. y. unclass. excav.
(4) 230,000 sta. yds. overhaul.
(5) 4.4117 miles finishing.
(6) 1,500 M. gals. watering.
(7) 3,000 c. y. mi. cushion haul.
(8) 1 only log stringer span.
(9) 600 sq. ft. crib face.
(10) 28,000 c. y. subgrade reinforcement.
(11) 60 c. y. Class A concrete.
(12) 10,000 l. f. flat. & rounding cut slopes.
(13) 1,240 l. f. culverts.
(14) 1,000 c. y. loose riprap.
(15) 690 lin. ft. remove and reinst. reinforced concrete pipe.
(16) Lump Sum, Remove and dispose of old bridges.
(17) 6,000 c. y. salvaged surfacing.
(18) 4,000 c. y. suppl. crushed rock or cr. gravel.

Plans and specifications obtainable from the above office upon deposit of $10.

BIDS REJECTED

MORROW COUNTY, Oregon—All bids received by the Oregon State Highway Commission, Portland, April 5, for furnishing crushed rock in stockpiles on Heppner Rock Production Project on the Oregon-Washington Highway, were rejected. The bids were:

Schmeer & Williams, Portland..$ 9,690
Arthur Gentemann, Portland.... 10,140

CONTRACT AWARDED

LAKE COUNTY, Oregon—E. C. Hall, Eugene, Oregon, at $53,675 awarded contract by Oregon State Highway Commission, Portland, April 5, for 2.98 miles of roadbed widening, gravel topping and bituminous macadam on Danebo Road-Eugene Section of Eugene-Veneta Highway. Other bids were:

United Cont. Co., Portland..$66,948.00
A. Milne, Portland..... 68,441.50

BIDS WANTED

DOUGLAS and JACKSON COUNTIES, Oregon.—Until April 20, 10 a. m. bids will be received by the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Post Office Bldg., Portland, for constructing or improving 12.44 miles of the Diamond Lake Highway Surfacing and Bituminous Surface Treatment Project NR-43--B2, C3, National Forest Road Project, Rogue River National Forest, in Douglas and Jackson Counties, Oregon, involvig:

(1) 2,000 c. y. unclass. excav.
(2) 12.44 mi. fine gr. subgr. & shoulders.
(3) 39,000 tons cr. rock on bunkers (bot.)
(4) 13,000 tons crushed do. (top).
(5) 2,500 tons do. (supplemental).
(6) 1,500 M. gals. watering.
(7) One provide and manitain roller.
(8) 150 days operation of roller.
(9) 3,000 c. y. binder.
(10) 3,000 c. y. mi. binder haul.
(11) 12.44 mi. prep. and fin. rdwy. for bit. treatment.
(12) 150 c. y. bit. mix in stockpiles.
(13) 54,500 tons cr. rock, haul and place.
(14) 110 tons SC-2 Grade Lqluid asphalt.
(15) 165 tons SC-4 grade liquid asphalt.
(16) 110 tons MC-2 grade liquid asphalt.
(17) Lump Sum, clearing, grubbing & leveling stockpile and borrow.

Plans and specifications obtainable from the above office upon deposit of $10.

BIDS WANTED

SONOMA and Mendocino Counties, Cal.—Until April 25, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for surfacing with bituminous treated crushed gravel or stone plant mixed about 13.9 miles in Sonoma and Mendocino Counties between Cloverdale and Hopland.

The work involves:

(1) 31,250 tons crushed gravel or stone bituminous treated surfacing;
(2) 1,660 tons cut-back asphalt;
(3) 1,140 bbls. light fuel oil subgrade treatment;
(4) 4,200 bbls. heavy fuel oil shoulders
(5) 13.6 miles prepare, mix and shape shoulders.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer of San Francisco, Los Angeles, and the district in which the work is situated.

BIDS OPENED

LOS ANGELES, Cal.—Geo. R. Curtis Paving Co., 2440 E. 26th St., Vernon, at $44,394.94 submitted low bid to the Los Angeles County Board of Supervisors, April 2, for the improvement of Long Beach Blvd, from the north boundary of the city of South Gate south of Cudahy St. north to the south boundary of Huntington Park at Florence Ave., 3203 lin. ft., or 0.61 mile under Cash Contract No. 464. Complete bids follow:

G. R. Curtis Co., Vernon.....$44,394.90
Griffith Co., Los Angeles..... 46,127.50
South. Calif. Roads Co., L. A. 46,319.80
Los Angeles Paving Co..... 47,205.00
Kovacevich & Price, Inc., So. Gate 49,744.20

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening April 18.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue line prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised:

II-Sha-20-C, D & E between Redding and Viola, none.

II-Sis-3-C, Yre. between the south boundary of Yreka and 1½ miles north of Yreka: Plans (No. of sheets) 11; (cost) $1.10; Cross-Sections, (No. of sheets) 54, (cost) $5.40; (total) $6.50.

V-Mon-56-D Bridge across Hot Springs Creek: Plans, (No of sheets) 11, (cost) $1.10; (total) $1.10.

X-Alp-23-C bet. Centerville bridge and Markleeville: Plans (No. sheets) 27, (cost) $2.70; Cross-sections, (No. of sheets) 229, (cost) $29.90; (total) $32.60.

Checks for above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

BIDS WANTED

MARIN COUNTY, Cal.—Until April 25, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for bituminous surface treatment and asphaltic seal coat to be applied to about 14.6 miles in Marin Co. between Stinson Beach and Marshall, involving 430 tons emulsified asphaltic road oil and 5,850 tons screenings.

CONTRACT AWARDED

CLATSOP COUNTY, Oregon—Brookfield Co., Astoria, Oregon, at $16,720 awarded contract by Oregon State Highway Commission, Portland, for furnishing crushed gravel in stockpiles on the Astoria-Gnat Creek Section of the Columbia River Highway. The other bids were:

A. T. Dolan, Tillamook.....$16,060
Schmeer & Williams, Portland 19,710

BIDS REJECTED

LANE COUNTY, Oregon—All bids received by the Oregon State Highway Commission, Portland, April 5, for furnishing crushed rock in stockpiles on Low Pass-Cheshire Rock Production Project on the Siuslaw Highway, Lane County, were rejected and the project ordered re-advertised. The bids were:

Inter-City Sand & Gravel Co., Eugene, $9,120.
Eugene Sand & Gravel Co., Eugene, $9,440.
Mountain States Constr. Co., Eugene, $10,000.
Arthur Gentemann, Portland, $12,200.
Schmeer & Williams, Portland, $13,000.

BIDS WANTED

LAKE COUNTY, Cal.—Until April 18, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 Wabash Ave., Eureka, for treating with fuel oil about 20.2 miles in Lake County, between Middletown and Lower Lake Road (I-Lak-89-B & C). The work requires:

(1) 1330 bbls. heavy fuel oil;
(2) 1330 bbls. light fuel oil.

Plans and specifications obtainable from above office

CONTRACT AWARDED

ARIZONA STATE.—William Peper Const. Co., P. O. Box 1564, Phoenix, at $9,937.40 awarded contract by the Arizona Highway Commission, Phoenix, for constructing culvert and incidental grading on the Phoenix-Prescott Highway, Project NRH 84-A, located 11.25 miles southeast of Hot Springs Junction.

BIDS WANTED

SAN DIEGO COUNTY, Calif.—Until April 17, 2 P. M., bids will be received by Department of Public Works Division of Highways, Union Building, San Diego, for treating with fuel oil about 28.2 miles of State Highway in San Diego County between Descanso and Morettis. E. E. Wallace, District Engineer, District XI.

Specifications obtainable from above office.

CONTRACT AWARDED

ARIZONA STATE.—W. E. Hall Co., 1025 Westminister Rd., Alhambra, Cal. at $15,688.47 awarded contract by the Arizona State Highway Commission, Phoenix, for constructing three concrete box culverts and incidental grading on Phoenix-Wickenburg Highway, Project NRH 76, about 5¼ miles southeast of Hot Springs Junction.

CONTRACT AWARDED

ARIZONA STATE.—R. E. Martin & Co., Box 934, Tucson, at $17,679.65 awarded contract by Arizona State Highway Commission, Phoenix, for widening pavement in the City of Miami, Ariz., on the Miami-Globe Highway, NRH 91-A.

BIDS WANTED

HAMILTON FIELD, Cal.—Until April 16, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, San Rafael, for furnishing 700 tons crushed run base, under Schedule No. W-6754-34-40.

Bid sheets and information obtainable from above office.

BIDS OPENED

NAPA, Cal.—Basalt Rock Co., 900 Eighth St., Napa, at $1.48 per bbl., total, $5476 submitted low bid to the Department of Public Works, Division of Highways, District Engineer's Office, Room 211, State Bldg., San Francisco, for treating with fuel oil about 28.5 miles in Napa County between Napa and the easterly boundary. The work requires 3700 bbls. light fuel oil.

Complete bids follow:(1) per bbl; (2) total:

Basalt Rock Co., Napa, (1) $1.48; (2) $5476.
L. J. Immel, Berkeley, (1) $1.71; (2) $6327.
Peninsula Paving Co., San Francisco, (1) $1.75; (2) $6475.
E. A. Forde, San Anselmo, (1) $1.80; (2) $6660.
L. A. Bristol, Arroyo Grande (1) $1.84 (2) $6808.
Ransome & Co., Emeryville, (1) $2.10; (2) $7707.
Granite Constr. Co., Watsonville, (1) $2.14; (2) $7918.

All bids held under advisement.

CONTRACT AWARDED

LINCOLN COUNTY, Oregon—A. S. Wallace, Roseburg, Oregon, at $12,680 awarded contract by Oregon State Highway Commission, Portland, April 5, for furnishing crushed rock in stockpiles on Otis Rock Production Project on the Salmon River and Oregan Coast Highways. Complete bids were:

A. S. Wallace, Roseburg.....$12,680
A. T. Dolan, Tillamock..... 15,880
Saxton & Looney, Corvallis.... 16,580
Schmeer & Williams, Portland.. 16,860

BIDS REJECTED

HOOD RIVER COUNTY, Oregon—All bids received by the Oregon State Highway Commission, Portland, April 5, for furnishing crushed gravel in stockpiles on the Parkdale Rock Production Project, the Mt. Hood Highway, were rejected and the project ordered re-advertised. The bids were:

A. S. Wallac, Roseburg.....$13,200
Schmeer & Williams, Portland.... 20,070
Arthur Gentemann, Portland.... 20,760

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—Albert Helwig, Sebastopol, at $5161 awarded contract by State Highway Commission, Sacramento, for treating with

fuel oil about 14 miles between Campbell Creek and Klamath River in Humboldt County.

BIDS WANTED

SAN FRANCISCO—Until April 18, 2:30 P. M., bids will be received by the Board of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for improvement of Pulgas Road near Redwood City, involving 164,000 sq. ft. emulsified asphalt wearing surface, 1-in. armour coat, including preparation of the existing macadam road and painting traffic line.

Estimated cost, $6000. Plans and specifications obtainable from above office upon deposit of $10.

BIDS OPENED

COLUMBIA and Garfield Counties, Wash.—Max J. Kiney Co., Spokane, at $50,642 submitted low bid to the Washington State Highway Dept., Olympia, for grading, surfacing and stockpiling crushed stone (oil rock) material on about 29.7 miles of State Road No. 3, end of pavement north of Dayton to Pomeroy, Columbia and Garfield Cos.

Homer G. Johnson, Portland, at $51-925, and G. D. Lyon & Co., Spokane, at $52,660 submitted second and third low bids, respectively.

All bids held under advisement.

BIDS OPENED

KING AND PIERCE COUNTIES, Wash.—Edward L. Edland, 302 S 30th, Tacoma, at $65,255 submitted low bid to Washington State Highway Department, Olympia, for stockpiling about 37,720 cu. yds. of crushed stone (oil rock) materials for about 30.5 miles of State Road No. 5, Enumclaw to Park Entrance, King and Pierce Cos.

L. J. Dowell, Inc., Seattle, at $65,-332, and Newport Const. Co., Portland, at $69,494, submitted second and third low bids, respectively.

All bids held under advisement.

BIDS OPENED

LEWIS AND PIERCE COUNTIES, Wash.—Newport Const. Co., Governor Bldg., Portland, at $62,942 submitted low bid to Washington State Highway Department, Olympia, for surfacing with crushed stone and stockpiling crushed stone surfacing and oil rock for about 78.1 miles of State Rd. No. 5, Mill Creek to Elbe and Kosmos to Packwood, in Lewis and Pierce Counties. R. O. Dail, Aberdeen, at $63,524 submited second low bid.

All bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Myers & Co., 332 W. 5th St., at $22,500 submitted low bid to the Los Angeles Board of Public Works April 4, for grading and excavating at the site of the proposed Union Depot. Work involves approximately 50,000 cu. yds. of excavation.

The bids were: Myers & Co., 45c cu. yd.; total $22,500. M. W. Southard & Co., 54c cu. yd.; $27,000. Engineer's estimate, $.574 cu. yd.; $28,700.

The bids of Gogo & Rados was not declared as it was not accompanied by a corporate surety bond.

AWARD

LOS ANGELES COUNTY, Cal.—Oswald Bros., 266 E. 58th St., Los Angeles, at $75,930 awarded contract by State Highway Commission, Sacramento, for paving with asphalt concrete and Portland cement concrete about 1 mile in Los Angeles County between West Channel Road and California Ave.

CONTRACT AWARDED

KLICKITAT COUNTY, Wash. — H. J. Moss Const. Co., Zenith, Wash., at $5,311 awarded contract by the Washington State Highway Department for construction of about 9,400 lin. ft. of cable guard rail, Design No. 6, on about 1.5 miles of State Road No. 8, Grand Dalles to Maryhill, in Klickitat County. The other bids were:

Tony Romano, Seattle $5,593
Smith Bros., Naches..... 5,593

BIDS WANTED

DOUGLAS, Ariz.—Until April 18, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, Ariz., for highway construction on the Benson-Douglas Highway N. R. M. 77-H (A.F.E. 505). The work, which lies within the city limits of Douglas on "A" Avenue, a distance of approximately 0.6 mi. consists of widening the existing pavement and placing curbs and gutters, involving:

(1) 1300 cu. yds. rdwy. excav.;
(2) 1000 cu. yds. aggregate base course
(3) 900 tons aggregate for pavement;
(4) 80 tons emulsified asphalt;
(5) 3800 lin. ft. concrete curb.

Plans and specifications obtainable from above office.

BIDS WANTED

MARICOPA COUNTY, Ariz.—Until April 20, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for the highway construction on the Blythe-Wickenburg Highway, N.R.H. 98-C (A.F.E. 6016). The work, which extends from the Yuma-Maricopa County line easterly about 10.8 miles to the town of Aguila, consists of furnishing and placing base course and oil mix (either road or plant mix). The work involves:

(1) 13,500 cu. yds. aggregate base course;
(2) 103,300 cu. yd. mi. do haul;
(3) 11,900 cu. yd. mineral aggregate;
(4) 214,200 gals. road oil;
(5) 268 tons Class A mulsified asph.;
(6) 10.8 mi. placing plant mix.

Specifications obtainable from above office.

BIDS WANTED

INYO COUNTY, Cal.—Until April 19, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Bishop, for treating with fuel oil about 18.3 miles in Inyo County, between the east boundary of Death Valley National Mounment and Death Valley Junction, (IX-Iny-127-L & M).

Plans and specifications obtainable from above office

BIDS WANTED

KERN COUNTY, Cal.—Until April 19, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Dist. IX, Bishop, for treating with asphaltic road oil about 7.0 miles in Kern County, between Mojave and 7 miles northwesterly, (IX-Ker-58-G).

Plans and specifications obtainable from the above office.

BIDS WANTED

PLACER AND EL DORADO COS., Cal.—Until April 16, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, Dist. Engineer, Dist. III, Marysville Hotel, Marysville, for treating with oil about 44.5 miles in Placer and El Dorado Counties, bet. Lincoln and Newcastle (III-Pla-91-A) between Placerville and Cool (III-E.D.-93-A & B), and between Kyburz and Fred's Place and between 2 miles east of Fred's Place and Strawberry (III-E.D.-11-H).

Plans and specifications obtainable from above office

BIDS WANTED

YOLO, SUTTER, COLUSA, GLENN AND BUTTE COUNTITS, Cal.—Until April 16, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, District III, Marysville Hotel, Marysville, for treating with fuel oil about 42.5 miles located as follows:

Yolo County, between the Solano County line and 12 miles northerly (III-Yol-99-A); Sutter County bet. 2.75 miles north of the Yolo County line and 4.75 miles north of the Yolo County line (III-Sut-87-A); Colusa County, between the Yolo County line and 9.5 miles northerly (III-Col-88-A) Glenn County, between 3.65 miles north of Glenn and 4.6 miles north of Glenn (III-Gle-88-B), and between 0.4 miles north of Ord Bend and Hamilton City (III-Gle-88-C), and Butte County, between the Feather River and 9.6 miles east (III-But-21-E).

Plans and specifications obtainable from above office

BIDS WANTED

INYO COUNTY, Cal.—Until April 19, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Dist. IX, Bishop, for treating with fuel oil about 32.9 miles in Inyo County between 1 mile west of Lone Pine and the east end of Zinc Hill grade (IX-Iny-127-B, C, D, E and F).

Plans and specifications obtainable from above office.

AWARD

MULTNOMAH COUNTY, Oregon.—Parker-Schram Co., Couch Building, Portland, at $162,091 awarded contract by Oregon State Highway Commission Portland, for grading and paving 1.97 miles of the North Unit, Portland-Milwaukie Section of East Portland-Oregon City Highway, in Multnomah County.

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In San Francisco

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RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN FRANCISCO — 0.9 MILES PAVING — (STATE)

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., San Francisco, at $66,384.02 submitted low bid to the State Highway Commission, Sacramento, for paving with asphalt concrete about 0.9 miles between Van Ness Avenue and Division Street in San Francisco, involving:

(1) 55,000 sq. ft. street grading;
(2) 7500 tons cru. run base rock fill;
(3) 19,100 sq. yds. remove asphalt concrete;
(4) 19,100 sq. yds. asph. paint binder;
(5) 6820 tons asphalt concrete;
(6) 1070 cu. yds. Class A Port. cem. conc. pavement widening;
(7) 200 cu. yds. Class A Port. cem. conc. sidewalks and driveways;
(8) 100 cu. yds. Class C Port cem. curb backfill;
(9) 23 tons emuls. asphaltic road oil
(10) 60 tons screenings;
(11) 7200 lin. ft. moving and reset existing granite curb;
(12) 2400 sq. ft. redressing existing granite curb;
(13) 350 lin. ft. new granite curb tangent;
(14) 210 lin. ft. new granite ucrb curved;
(15) 132 each move and reset side sewer traps;
(16) 134 lin. ft. 6-in. vitrified clay pipe side sewer;
(17) 281 lin. ft. 12-in. vitrified clay pipe encased in concrete sewer;
(18) 245 lin. ft. 18-in. vit. clay pipe do
(19) 4440 lin. ft. furnishing untreat. Douglas fir piles;
(20) 74 each driving timber piles;
(21) 10 each brick catchbasins raised to grade;
(22) 27 each move and reset brick catchbasins;
(23) 23 each brick manholes raised to grade;
(24) 2 each new brick manholes;
(25) 770 each traffic markers.

Complete bids follow:

(A) Fay Improvement Co., San Francisco, $66,384.02.
(B) A. J. Raisch, San Francisco, $67,719.09.
(C) Eaton & Smith, San Francisco, $69,684.95.
(D) MacDonald & Kahn, San Francisco, $76,392.85.
(E) Charles L. Harney, San Francisco, $78,218.

Unit bids folliw:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .0565	$ .09	$ .04	$ .10	$ .08
(2)	1.17	1.00	1.30	1.00	1.50
(3)	.15	.25	.20	.145	.14
(4)	.024	.02	.02	.036	.03
(5)	3.47	3.80	3.65	4.40	4.25
(6)	8.26	7.70	8.03	10.40	10.00
(7)	13.00	11.00	9.00	13.55	11.00
(8)	6.50	6.00	7.50	12.35	10.00
(9)	21.00	20.00	20.00	24.00	22.00
(10)	3.38	3.00	4.00	1.95	2.50
(11)	.255	.35	.50	.25	.40
(12)	.60	.80	1.00	.90	.50
(13)	1.74	2.20	1.50	1.75	1.60
(14)	3.00	3.30	1.70	1.87	2.00
(15)	7.40	2.00	10.00	12.10	6.00
(16)	1.38	.53	2.00	1.25	2.00
(17)	6.60	5.57	6.40	5.40	7.50
(18)	9.00	7.44	8.39	7.45	11.00
(19)	.20	.19	.18	.165	.20
(20)	24.00	23.00	22.80	18.15	20.00
(21)	10.00	5.00	10.00	18.15	12.00
(22)	45.00	36.00	35.00	24.00	60.00
(23)	10.00	6.00	5.00	24.00	6.00
(24)	85.00	64.00	75.00	85.00	110.00
(25)	.72	.30	.75	.55	.55

SAN FRANCISCO — 0.3 MI. PAVING — (STATE)

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $30,555 submitted low bid to State Highway Commission, Sacramento, for paving with asphalt concrete about 0.3 mile between Waterloo Street and Islais Creek Channel in San Francisco.

Complete bids follow:

(A) Eaton & Smith, San Francisco, $30,555.00.
(B) Fay Improvement Co., San Francisco, $30,953.75.
(C) Chas. L. Harney, San Francisco, $32,265.00.
(D) Pacific States Const. Co., San Francisco, $32,615.00.
(E) A. J. Raisch Co., San Francisco, $32,983.50.
(F) Pacific Pavements Co., Ltd., San Francisco, $40,636.45.

Unit bids follow:

(1) 2,700 sq. yds. remove exist. surf.
(2) 10,500 cu. yds. select material;
(3) 2,600 tons crushed run base;
(4 110 M. gals. water;
(5) 6,200 tons asph. concrete;
(6) 5 cu. yds. Class A Port. cement concrete curbs;
(7) 15 cu. yds. Class A Port. cement conc. sidewalks;
(8) 30 tons emulsified asph. road oil;
(9) 35 tons screenings;
(10) 15 each timber guide posts;
(11) 14 sta. finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .10	$ .13	$ .10	$ .17	$ .18	$ .45
(2)	.30	.63	.45	.51	.50	.60
(3)	1.25	1.30	1.00	1.60	.95	1.50
(4)	1.75	1.80	2.00	1.75	1.00	2.52
(5)	3.65	3.27	3.75	3.43	3.80	4.45
(6)	16.00	19.25	25.00	20.00	30.00	19.00
(7)	9.00	14.25	12.00	15.00	12.00	15.79
(8)	20.00	21.00	21.00	21.00	20.00	25.31
(9)	4.00	4.00	2.50	3.00	3.00	2.66
(10)	2.50	4.25	2.50	3.50	2.50	2.00
(11)	5.00	3.00	10.00	5.00	2.50	10.00

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(Continued from Page 25)

29—STREETS AND HIGHWAYS

BIDS OPENED

NAPA CO., Cal.—L. Della Rosa and Sons, Martinez, at $19.00 per day, submitted low bid to J. W. Adams, Maintenance Supt., Department of Public Works, Division of Highways, 1019 Pearl St., Napa, April 4, for the rental of two to four daily, 5-ton dump trucks, pneumatic tired, power hoist, not over three years old, for approximately 100 days old. Complete bids follow:

L. Della Rosa & Sons, Martinez	$19.00
Lee J. Immel, Berkeley	20.00
W. C. Colley, Berkeley	20.00
Gus J. DePaul, Oakland	21.52
Daniel Gallagher Co., S. F.	22.40
Hirt & Lloyd, Lafayette	24.00
Layton Hanifen, Pleasanton	24.00
San Bruno Feed & Fuel, S. F.	24.00
Meyer Rosenberg, S. F.	24.00
Chas. W. Beguhl, Burlingame	26.00
J. O'Shea, Inc., S. F.	26.80

All bids held under advisement.

BIDS WANTED

ARIZONA STATE—Until April 20, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix-Yuma Highway, N.R.H. 64-A (A.F.E. 8032). The work which begins about 4 miles north of Gillespie Dam Bridge and extends northeasterly about 5.2 miles, consists of grading, draining, placing aggregate base course and mineral aggregate, and processing by the road mix method.

The work involves:

(1) 36,500 cu. yds. rdwy. excav.;
(2) 865 cu. yds. Class A conc.;
(3) 82,700 lbs. rein. steel;
(4) 54,600 lin. ft. line fence;
(5) 14,800 cu. yds. aggregate base course;
(6) 5700 cu. yds. mineral aggregate;
(7) 102,000 gals. road oil;
(8) 127 tons Class A emulsified asph.;
(9) 5.2 miles processing road mix.

Plans and specifications obtainable from above office.

BIDS OPENED

HUMBOLDT COUNTY, Cal.—Miller & Wigginton, 1729 98th Ave., Oakland, at $1.375 per hour, operated, submitted low bid to the Department of Public Works, Division of Highways at the office of J. W. Vickrey, District Engineer, 546 W. Wabash Ave., Eureka, March 30, for rental of two one-yard dump trucks, for not to exceed a total of 1000 hours.

Complete bids follow:

Miller & Wigginton, Oakland	$1.375
A. S. Hubbs, Colton	1.43
E. P. Jolly, Oakland	1.44
A. A. Abercrombie, Whittier	1.50
Jack Leonard, Oakland	1.60
H. K. Smith and H. F. Willingham, Hollywood	1.74
J. P. Buonacorsi, Willitts	1.95

All bids held under advisement.

BIDS WANTED

VALE, Ore.—Until April 30, 10 A. M. bids will be received by the U. S. Bureau of Reclamation, Vale, under Spec. No. 613-D, for the construction of the relocated county road around Agency Valley reservoir, Vale, involving:

(1) 31,715 cu. yds. excav., all classes;

(Continued on Page 27)

ROSEVILLE — LAYING WATER PIPE — (CITY)

ROSEVILLE, Calif.—Following bids received by the Roseville city council, April 5, for the necessary trenching, hauling, and laying of pipe (to be furnished by the city) and appurtenances, testing and backfilling, for the construction of the first unit of a water distribution system in Roseville. The work involves:

(1) 2,400 cu. yds. trench excav., backzll and solid rock excav.;
(2) 350 sq. yds. cut and remove pave.
(3) 60 sq. yds. cut and remove concrete sidewalks and driveways;
(4) 1,800 lin. ft. lay 16-in. standard Class B cast iron pipe;
(4a) 1,800 lin. ft. lay 16-in. Class 150 thin shell cast iron pipe;
(5) 2,050 lin. ft. lay 12-in. standard Class B cast iron pipe;
(5a) 2,050 lin. ft. lay 12-in. Class 150 thin shell cast iron pipe;
(6) 2,650 lin. ft. lay 8-in. Class B cast iron pipe;
(7) 900 lin. ft. lay 6-in. do;
(7a) 900 lin. ft. lay 6-in. Class 150 thin shell cast iron pipe;
(8) 7,000 lin. ft. lay 2-in. galv. steel pipe;
(9) 10,000 lin. ft. place cast iron pipe specials and fittings;
(10) placing three 16-in. gate valves (each) ;
(11) placing five 12-in. do;
(12) placing five 8-in. do;
(13) placing four 6-in. do;
(14) placing twenty 2-in. do;
(15) 250 tons hauling pipe, valves and fittings from material yard to job, per ton.

Bids were taken as follows:
I—For laying standard cast iron pipe by hand labor;
II—do by machine labor;
III—For laying thin shell cast iron pipe by hand labor;
IV—do by machine labor.

Total bids follow:
(A) G. C. DeGloyer, Oakland, (I) $5,451 (II) $4,601 (III) $5,451 (IV) $4,601.
(B) O. G. Ritchie, San Jose, (I)$5,487 (II) $4,487 (III) $5,451 (IV) $4,451.
(C) Frederick Snook, San Francisco, (I) $6,096.37 (II) $3,936.37 (III) $6,096.37 (IV) $3,936.37.
(D) E. J. Treacy, San Francisco ,(I) $7,527 (II) $5,527 (III) $7,527 (IV) $5,527.
(E) E. W. Redman, Fresno, (I) $7,816 (II) ..... (III $7,739 (IV) .....
(F) W. J. Tobin, Oakland, (I) $7,971.50 (II) $6,771.50 (III) $7,971.50 (IV) $6,771.50.
(G) T. J. Binkley, Palo Alto, (I) $9,349.50 (II) $5,609.50 (III) $9,249.50 (IV) $5,605.50.
(H) Herman Lawson, San Francisco, (I) $9,468.28 (II) $8,508.28 (III) $9,468.28 (IV) $8,508.28.
(I) H. Gould, Sacramento, (I) ..... (II) $6,633 (III) .....; (IV) $6,454.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1).....	$ .66	$ .80	$ .42	$ .75	$ 1.69	$ .85	$ .75	$ 1.60	$ 1.70
(2).....	1.40	.90	.43	.45	1.35	.75	3.10	2.40	.90
(3).....	1.20	.75	.51	.40	1.85	.40	1.60	1.70	.90
(4).....	.32	.25	.285	.55	.35	.34	.31	.45	.25
(4a).....	.32	.23	.285	.55	.33	.34	.28	.45	.20
(5).....	.22	.18	.265	.40	.28	.32	.19	.35	.18
(5a).....	.22	.18	.265	.40	.26	.32	.17	.35	.15
(6).....	.14	.10	.235	.25	.23	.30	.13	.19	.12
(7).....	.12	.08	.23	.23	.21	.29	.09	.20	.10
(7a).....	.12	.08	.23	.23	.21	.29	.08	.20	.07
(8).....	.06	.02	.03	.04	.07	.19	.045	.05	.04
(9).....	.01	.03	.025	.02	.02	.02	.015	.04	.02
(10).....	5.00	15.00	10.92	10.00	10.00	5.00	16.50	12.18	5.00
(11).....	3.00	10.00	10.32	5.00	8.00	4.00	8.50	10.88	4.00
(12).....	2.00	5.00	5.23	5.00	5.00	4.00	4.50	10.16	3.00
(13).....	1.00	4.00	4.49	4.00	3.50	4.00	3.50	8.01	3.00
(14).....	.50	1.25	1.14	2.00	1.50	1.00	2.00	1.45	2.00
(15).....	1.50	1.80	1.00	1.00	1.50	2.00	2.50	2.25	1.50

The bids of G. C. DeGolyer, O. G. Ritchie and F. W. Snook held under advisement.

SAN FRANCISCO—1.5 Miles Paving Sloat Blvd.—(State)

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Avenue, at $104,602.70 submitted low bid to State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.5 miles on Sloat Blvd. between Great Highway and Nineteenth Avenue, in San Francisco, involving:

(1) 5450 cu. yds. rdwy. excav. unclass.
(2) 26,500 sq. yds. remove exist. asphalt surface;
(3) 2320 cu. yds. crusher run base;
(4) 26,500 sq. yds. asph. paint binder,
(5) 11,480 tons asph. concrete;
(6) 2950 cu. yds. Class A Port. cem. conc. pavement;
(7) 110 cu. yds. Class A Port. cem. conc. sidewalks;
(8) 80 cu. yds. Class A Port. cem. conc. armored curb;
(9) 150 cu. yds. Class C Port. cem. conc. curb backing;
(10) 200 cu. yds. conc. removed from exist. pavement;
(11) 3500 lin. ft. move and reset conc. curbs;
(12) 250 lin. ft. 6-in. vitrified clay pipe side sewer;
(13) 1560 lin. ft. 8-inch vitrified clay pipe sewer;
(14) 265 lin. ft. 12-inch vitrified clay pipe sewer;
(15) 222 lin. ft. 12-in. vitrified clay pipe sewer in pavement area;
(16) 293 lin. ft. 10-in. vitrified clay pipe culverts;
(17) 120 lin. ft. 8-in. CIP Class C sewer in pavement area;
(18) 1 only reinf. conc. sewer junction structure;
(19) 10 each brick manholes;
(20) 10 each move and reset manhole frames and covers;
(21) 17 each move and reset brick catchbasins;
(22) 2 each lamp holes;
(23) Widening bridge;
(24) 31,600 lin. ft. paint traffic stripe;
(25) 15 each move and reset stop and street signs;
(26) 500 each cross walk markers;
(27) 3200 lin. ft. trimming hedge;
(28) 58 each move and rest light standards.

Complete bids follow:
(A) Eaton & Smith, San Francisco, $104,602.70.
(B) Fay Imp. Co., San Francisco, $105-666.46.
(C) A. J. Raisch, San Francisco, $106-634.80.
(D) N. M. Ball and Jones & King, Berkeley, $109,033.10.
(E) Peninsula Paving Co., San Francisco, $115,642.45.
(F) Chas. L. Harney, San Francisco, $118,750.80.

Unit bids follow:

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(2) 500 cu. yds. backfill;
(3) 145 cu. yds. concrete in struc.;
(4) place 16,000 lbs. reinf. bars;
(5) install 370 lin. ft. CMP;
(6) construct 600 lin. ft. timber guard rail;
(7) move and erect steel truss bridge.

Plans and specifications obtainable from the Bureau of Reclamation at Denver, or Vale, without charge to prospective bidders; to others, $1, not returnable.

BIDS WANTED

LOS ANGELES, Cal.—Until April 18, 10 A. M., bids will be received by the Los Angeles Board of Public Works for the improvement of Sepulveda Blvd., between Ventura Blvd. and Beverly Blvd., under Cash Contract. The work involves:

(1) 35,865 cu. yds. excav., 30,562 cu. yds. fill;
(2) 1,132,770 sq. ft. of Warrenite-bitulithic pave., 8-in. thick, consisting of asph. conc. base, 6-in. thick and Warrenite-bitulithic wearing surface, 2-in. thick;
(3) 445 sq. ft. Warrenite-Bitulithic wearing surface of variable thickness, (average, 3-in.)
(4) 3319 sq. ft. conc. pave. 8-in. thick, (local depressions);
(5) 494,237 sq. ft. rock and oil roadway, 2-in.;
(6) 394 lin. ft. reinf. integral curb, as per standard plan No. B-1037;
(7) 964 lin. ft. reinf. conc. integral curb and conc. gutter, 1½ ft. wide, as per standard plans No. B-1037.
(8) 828 lin. ft. unplas. heavy curb;
(9) 805 sq. ft. conc. sidewalk, 3-in. thick;
(10) 663 sq. ft. conc. gutter, 8-inches thick;
(11) 39,158 sq. ft. white conc. traffic lines, 8-in. thick consisting of white conc. 2-in. thick on asph. conc. base, 6-in. thick;
(12) 10 sq. ft. white conc. traffic lines, 2-in. thick;
(13) 6586 lin. ft. wooden guardrail, as per standard plan No. B-902;
(14) Sanitary sewer and appurtenances, complete, not including resurfacing;
(15) Storm drain appurtenances, complete, not including local depressions;
(16) Concrete retaining walls, complete;
(17) 216 lin. ft. conc. baffle walls;
(18) 9 manholes to be reset;
(19) 141 sq. ft. Class C resurfacing.

Specifications obtainable from above office.

COMPLETE BIDS

SAN LUIS OBISPO CO., Cal.—John Fesler, P. O. Box 481, Santa Maria, at $1,215 ($16.20 per cu. yd.) as previously reported, submitted low bid to Department of Public Works, Division of Highways, L. H. Gibson, District Enginesr, San Luis Obispo, for constructing curbs and gutters between Nelson St. and east end of the bridge across Arroyo Grande creek in the city of Arroyo Grande, San Luis Obispo County.

Work involves placing 75 cu. yds. Class A Portland cement concrete (curbs and gutters).

Complete bids follow:

John Fesler, Santa Maria, $1,215; $16.20.

Theo. Maino, San Luis Obispo, $1,417.50; $18.90.

Walter B. Roselip, San Luis Obispo, $1,762.50; $23.50.

L. A. Brisco, Arroyo Grande, at $1,087.50; $14.50, submitted a bid which was not considered, as the check was insufficient.

(Continued from Page 27)

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .40	$ .32	$ .90	$ .60	$ .59	$ .50
(2)	.15	.10	.20	.10	.235	.15
(3)	1.50	1.60	1.00	1.45	1.87	2.00
(4)	.02	.024	.02	.015	.017	.03
(5)	3.85	3.80	3.90	3.60	3.60	4.10
(6)	8.00	8.46	7.80	9.10	8.41	9.20
(7)	9.00	12.30	11.00	13.00	11.75	11.00
(8)	16.00	19.00	20.00	14.00	21.60	22.00
(9)	7.50	8.65	6.00	11.00	9.60	14.00
(10)	2.00	1.15	4.00	3.50	4.15	2.00
(11)	.40	.13	.40	.30	.48	.50
(12)	1.00	.90	.50	1.05	1.06	1.00
(13)	1.75	1.67	1.25	2.30	1.65	2.00
(14)	2.00	2.25	1.50	2.80	2.47	3.00
(15)	2.60	3.35	1.65	3.20	3.70	3.25
(16)	1.50	1.17	1.00	1.90	1.20	1.10
(17)	3.50	4.00	2.40	3.50	4.30	2.75
(18)	1059.00	2000.00	1890.00	3000.00	3584.00	4600.00
(19)	75.00	71.00	60.00	90.00	94.00	80.00
(19)	5.00	5.00	5.00	10.00	5.90	5.00
(21)	50.00	52.00	40.00	50.00	88.00	60.00
(22)	13.00	25.00	16.00	20.00	17.65	15.00
(23)	1036.00	1100.00	400.00	2000.00	1753.00	2000.00
(24)	.01	.016	.01	.015	.0095	.02
(25)	5.00	5.00	4.00	10.00	3.90	5.00
(26)	.60	.20	.20	.30	.38	.20
(27)	.10	.13	.20	.10	.10	.06
(28)	202.00	215.00	200.00	190.00	248.00	175.00

SAN FRANCISCO—0.7 Mi. Widen & Pave Bryant St. (State)

SAN FRANCISCO.—A. J. Raisch Co. 215 Kearny Street, at $69,461.70 submitted low bid to State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 0.7 mile on Bryant St. between Fifth St. and Tenth St., in San Francisco.

Complete bids follow:

(A) A. J. Raisch Co., San Francisco, $69,461.70.
(B) Fay Improvement Co., San Francisco, $74,804.58.
(C) MacDonald & Kahn, San Francisco, $78,697.78.
(D) Eaton & Smith, San Francisco, $80,422.79.
(E) Chas. L. Harney, San Francisco, $87,599.50.

Unit quantities follow:

(1) 5600 tons crusher run base;
(2) 13,000 sq. yds. asphaltic paint binder;
(3) 5400 tons asphalt concrete;
(4) 1100 cu. yds. Class A Port. cem. conc. pavement;
(5) 114 cu. yds. Class A Port. cem. conc. sidewalks;
(6) 290 cu. yds. Class B Port. cem. cons. curb backing;
(7) 515 cu. yds. conc. removed from exist. sidewalks;
(8) 5940 lin. ft. remove and reset stone curbs;
(9) 3200 sq. ft. redressing stone curbs
(10) 200 lin. ft. furnish and placing new stone curbs tangent;
(11) 900 lin. ft. furnish and placing new stone curbs circular;
(12) 12,000 sq. ft. remove and reset basalt block pavement;
(13) 80 each side sewer traps removed and reset;
(14) 58 each brick catchbasins removed and reconstructed;
(15) 1 only new brick catchbasin;
(16) 17 each manholes frames and covers removed and reset;
(17) 10 each new brick manholes on piles;
(18) 1450 lin. ft. 6-in vit. clay pipe side sewer;
(19) 860 lin. ft. 12-in. vit. clay pipe sewer encased in concrete;
(20) 240 lin. ft. 18in. vit. clay pipe sewer do;
(21) 420 lin. ft. 21-in. vit. clay pipe sewer do;
(22) 24 each 12-in.x6in. Wye branches in place;
(23) 7 each 18in.x6-in. Wye branches in place;
(24) 11 each 21-in.x6-in. Wye branches in place;
(25) 18,440 lin. ft. furnish untreated Douglas fir piles;
(26) 214 each driving Douglas fir piles
(27) 300 each cross walk markers.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 1.00	$ 1.17	$ 1.00	$ 1.30	$ 1.50
(2)	.02	.024	.036	.02	.03
(3)	3.70	3.52	4.40	3.65	4.20
(4)	7.70	8.26	10.30	8.03	9.50
(5)	11.00	12.90	13.50	9.00	11.00
(6)	6.00	6.45	12.25	7.50	10.00
(7)	5.00	2.00	2.40	2.00	2.50
(8)	.35	.36	.25	.50	.40
(9)	.30	.60	.90	1.00	....
(10)	2.20	1.74	1.75	1.50	1.60
(11)	3.30	3.00	1.85	1.70	2.00
(12)	.09	.06	.036	.20	.12
(13)	2.00	7.40	12.00	10.00	6.00
(14)	36.00	45.00	24.00	40.00	70.00
(15)	64.00	150.00	42.00	75.00	95.00
(16)	5.00	10.00	36.00	5.00	6.00
(17)	64.00	85.00	110.00	75.00	125.00
(18)	.53	1.55	1.10	3.00	2.00
(19)	5.57	6.60	5.35	7.40	8.00
(20)	7.44	9.00	7.36	9.39	11.00
(21)	8.25	10.80	9.25	10.64	12.50
(22)	1.00	1.26	3.62	1.80	1.25
(23)	2.00	3.50	8.20	3.87	3.00
(24)	3.00	4.68	10.60	6.40	4.00
(25)	.23	.24	.21	.22	.25
(26)	18.00	19.00	20.00	17.85	20.00
(27)	.20	.20	.12	.75	.20

ENGINEERING NEWS

(Continued from Page 27)

BIDS WANTED

SAN FRANCISCO.—Until April 18, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for improvement to roads in Golden Gate Park, under Contract No. 3, involving:

(1) 98,000 sq. ft. 2-in. asph. concrete wearing surf., including preparation of subgrade, etc.;
(2) 46,600 sq. ft. 2-in. asph. concrete wearing surface and 6-in reinf. concrete base;
(3) 2500 sq. ft. 8-in. waterbound macadam base;
(4) 300 cu. yds. red rock;
(5) 8 storm water inlets;
(6) 7,600 lin. ft. 6-in. open tile drain;
(7) 500 lin. ft. 6-in. vit. clay pipe culvert;
(8) 1 seepage pit;
(9) 500 lin. ft. 2-in. galv. NEC conduit;
(10) 3,600 cu. yds. excav. under 6-in. reinf. conc. base;
(11) 3,000 cu. yds. sand backfill under 6-in. reinf. conc. base.

Estimated cost, $27,000. Plans and specifications obtainable from above office upon deposit of $10.00.

BIDS WANTED

BUTTE AND TEHAMA COS.—Until April 26, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section F of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Butte and Tehama Counties, involving:

(1) 193,000 cu. yds. unclass. excav.;
(2) 2880 cu. yds. unclass. excav. for structures;
(3) 300,000 sta. yds. overhaul;
(4) 4.441 mi. finish earth graded road
(5) 230 cu. yds. cru. rock or gravel backfill;
(6) 1700 lin. ft. protection ditch;
(7) 0.8 MFBM untreated timber;
(8) 434 cu. yds. concrete;
(9) 36,200 lbs. reinforcing steel;
(10) 5148 lin. ft. corrugated metal pipe
(11) 26,000 lbs. structural steel;
(12) 100 cu. yds. hand laid riprap;
(13) 59 cu. yd. hand laid rock embankment;
(14) 11 each spillway inlets, Type A;
(15) 146 each R/W monuments.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

CONTRACT AWARDED

TILLAMOOK COUNTY, Oregon—A. T. Dolan, Tillamook, at $13,880 awarded contract by Oregon State Highway Commission, Portland, April 5, for furnishing crushed rock in stockpiles on Wheeler-Kilchi River Rock Production Project on the Oregon Coast Highway. Complete bids follow:

A. S. Wallace, Roseburg	$12,600
A. T. Dolan, Tillamook	13,880
Brookfield Co., Astoria	16,200
Schmeer & Williams, Portland	17,100

BIDS OPENED

LOS ANGELES, Cal.—L. W. Odell, 6417 Drexel Ave., Los Angeles, at $7,326 submitted low bid to the Los Angeles County Supervisors April 9, for the construction of a gravity block at the east abutment of the Sierra Madre Dam. The work involves:

(1) 300 cu. yds. excavation;
(2) 750 cu. yds. placing of concrete in gravity block;
(3) 2400 sq. ft. placing of gunite facing slab.

Total bids follow:

(A) L. W. Owell, L. A.	$ 7,326.00
(B) Cast Const. Co., L. A.	7,393.00
(C) R. A. Wattson, L. A.	8,456.50
(D) Geo. Hess, L. A.	8,643.05

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SAN FRANCISCO—1.3 Miles Paving Bayshore—(State)

SAN FRANCISCO. — Fay Improvement Co., Phelan Bldg., at $56,325.70 submitted low bid to State Highway Commission, Sacramento, for paving with asphalt concrete about 1.3 miles between Bay Shore Blvd. and Mission St. Viaduct, in San Francisco, involving:

(1) 21,950 cu. yds. select material;
(2) 10,800 tons asphalt concrete;
(3) 31,200 sq. yds. subgrade for pave.
(4) 110 lin. ft. 10-in. vit. clay pipe culvert;
(5) 660 lin. ft. 12-in. vit. clay pipe sewer;
(6) 90 lin. ft. 15-in. do;
(7) 50 lin. ft. 21-in. do;
(8) 420 lin. ft. 8-in. CMP;
(9) 12 each spillway assemblies;
(10) 150 tons emuls. asphaltic road oil;
(11) 280 tons screenings;
(12) 200 M. gals water;
(13) 27 each manholes to be adjusted to grade;
(14) 3 each reflector type stop signs;
(15) 1 only timber catchbasin;
(16) 550 lin. ft. 1½-in. electrical conduits.

Complete bids follow:

(A) Fay Improvement Co., San Francisco, $56,325.70.
(B) Pacific States Const. Co., San Francisco, $56,928.00.
(C) Eaton & Smith, San Francisco, $60,516.50.
(D) Chas. L. Harney, San Francisco, $61,844.50.
(E) Jones & King, Hayward, $62,541.50
(F) A. J. Raisch, San Francisco, $65,-873.10.
(G) Pacific Pavements Co., Ltd., San Francisco, $74,062.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .48	$ .48	$ .35	$ .50	$ .50	$ .75	$ .72
(2)	3.33	3.43	3.65	3.80	3.81	3.72	4.29
(3)	.08	.07	.15	.075	.08	.09	.10
(4)	1.30	1.10	1.25	1.25	1.65	1.25	1.62
(5)	2.25	2.00	3.50	2.40	2.25	1.47	2.04
(6)	2.78	2.50	3.75	3.00	3.35	2.16	2.70
(7)	3.75	3.50	5.00	7.50	6.10	3.24	3.48
(8)	1.15	1.00	1.25	.90	1.10	1.25	2.25
(9)	12.50	13.00	12.00	12.50	15.00	12.00	16.50
(10)	19.40	21.00	20.00	20.50	20.00	19.00	23.50
(11)	3.15	2.60	4.00	2.50	2.25	3.00	2.47
(12)	1.80	1.75	1.75	2.00	2.00	1.00	2.52
(13)	6.00	8.00	5.00	5.00	15.00	5.00	12.00
(14)	10.00	11.00	20.00	10.00	12.50	12.00	18.00
(15)	45.00	50.00	35.00	35.00	60.00	40.00	60.00
(16)	.44	.40	.60	.40	.50	.35	1.03

ONTARIO, OREGON—CANAL STRUCTURES—(GOVT.)

ONTARIO, Oregon—Barnard Curtiss Co., 808 Phoenix Bldg., Minneapolis, Minn., at $154,290, as previously reported, submitted low bid to the U. S. Bureau of Reclamation, Ontario, Ore., for construction of structures, North Canal, Station 513 to Station 2051, an Mitchell Butte Lateral, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, under Spec. 563. Complete bids follow:

(A) Barnard Curtiss Co., Minneapolis Sched. 1, $30,603; Sched. 2, $47,-235.50; Sched. 3, $31,734; Sched. 4, $25,807.50; Sched. 5, $20,910; Total $154,290.
(B) J. A. Terteling & Sons. Boise, Idaho: Sched. 1, $33,980; Sched. 2, $52,192; Sched. 3, $34,295; Sched. 4, $28,349; Sched. 5, $23,939; Total, $172,755.
(C) Morrison - Knudsen Co., Boise, Idaho: Sched. 1, $34,248; Sched. 2, $50,520; Sched. 3, $34,775; Sched. 4, $28,654; Sched. 5, $23,982; Total, $173,179.
(D) John Klug, Nyssa, Oregon: Sched. 1, $35,302; Sched. 2, $52,866; Sched. 3, $37,326; Sched. 4, $31,357.50.
(E) The Hinman Bros. Constr. Co., Denver, Colo.: Sched. 1, $39,396; Sched. 2, $59,216; Sched. 3, $40,-225; Sched. 4, $32,585.
(F) Guthrie-McDougall Co., Portland, Ore.: Sched 1, $44,409; Sched. 2, $63,024; Sched. 3, $46,150; Sched. 4, $37,505; Sched. 5, $25,794; Total, $216,882.
(G) Utan Constr. Co., Ogden, Utah.: Sched. 1, $43,725; Sched. 2, $65,-125; Sched. 3, $44,865; Sched. 4, $36,015; Sched. 5, $42,215; Total, $231,945.

Bids were taken as follows:

SCHEDULE NO. 1

Cow Hollow Siphon, North Canal, Station 807+42 to Station 817+12:

(1) 5500 c. yds. excavation for struc. Class 1;
(2) 4500 cu. yds. excav. for struc., Class 2;
(3) 1000 cu. yds. excac. for strucs., Class 3;
(4) 8000 cu. yds. backfill about strucs.
(5) 600 cu. yds. puddling or tamping backfill about strucs.;
(6) 1440 cu. yds. concrete;
(7) 242,000 lbs. placing reinforcement bars;
(8) 150 sq. yds. dry-rock paving;
(9) 30 lin. ft. const. 4-in. underdrain with uncemented joints;
(10) 100 lin. ft. laying 4-in. diameter drainpipe with cemented joints;
(11) 2000 lb. inst. handrail, stop-plank guides, groove angles, etc.

SCHEDULE NO. 2

East Cow Hollow Siphon, North Canal, Station 1283+90 to Station 1303 +30:

(12) 3300 cu. yds. excav. for strucs., Class 1;
(13) 10,000 cu. yds. excav. for strucs., Class 2;
(14) 500 cu. yds. excav. for strucs., Class 3;
(15) 10,000 cu. yds. backfill about structures;
(16) 700 cu. yds. puddling or tamping backfill about structures:
(17) 2160 cu. yds. concrete;
(18) 520,000 lbs. placing reinforcement bars;
(19) 150 sq. yds. dry-rock paving;
(20) 30 lin. ft. construct 4-in. underdrain with uncemented joints;
(21) 100 lin. ft. laying 4-in. diameter drainpipe with cemented joints;
(22) 2400 lb. inst. handrail, stop-plank guides, groove angles, etc.

SCHEDULE NO. 3

Locket Gulch Siphon, North Canal, Station 1489+86.80 to Station 1500+10.00 and Check and Wasteway, North Canal, Station 1506+37:

(23) 3450 cu. yds. excav. for strucs., Class 1;
(24) 71000 cu. yds. excav. for strucs., Class 2;
(25) 400 cu. yds. excav. for strucs., Class 3;
(26) 8000 cu. yds. backfill about strucs.

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(E) Kovacevich & Price, So. Gate 9,705.00
(F) J. R. Lippincott, L. A..... 13,655.00

Unit bids follow:

	(1)	(2)	(3)
(A)	$ 5.50	$ 6.98	$0.18
(B)	4.50	7.60	.14
(C)	4.60	8.88	.17
(D)	7.43	8.00	.169
(E)	3.25	11.15	.15
(F)	11.00	12.50	.40

30

BIDS OPENED

TRINITY COUNTY, Calif.—Tieslau Bros., 1315 Alliston Way, Berkeley, at $11,510 submitted low bid to C. H. Sweetser, District Engineer, 807 Shelden Bldg., 461 Market St., San Francisco, for placing selected material subgrade reinforcement on Section A and a portion of Section C of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County. Complete bids follow:

(A) Tieslau Bros., Berkeley, $11,510.
(B) J. R. Reeves, Sacramento, $14,689.-50.
(C) Granfield, Farrar & Carlin, San Francisco, $15,493.
(D) E. B. Bishop, Orland, $17,105.
(E) Engineer's estimate, $13,687.50.

Unit quantities follow:

(1) 2,500 cu. yds. unclass excav.;
(2) 2,000 sta. yds. overhaul;
(3) 850 cu. yds. mi. overhaul;
(4) 12,500 cu. yds. subgrade reinf.;
(5) 35,000 cu. yds. mi. hauling on do.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$0.39	$0.50	$0.60	$0.40	$0.25
(2)	.02	.01	.02	.03	.05
(3)	.20	.17	.18	.20	.25
(4)	.49	.60	.60	.35	.60
(5)	.12	.165	.18	.15	.15

All bids held under advisement.

COMPLETE BIDS

SAN DIEGO, Cal.—Bodenhamer Construction Co., 354 Hobart St., Oakland, at $197,700, as previously reported, submitted low bid to the San Diego City Purchasing Department April 9, for the construction of an extension to the spillway at El Capital Dam, providing an additional capacity of 82,000 cu. ft. per second.

Total bids follow:

(A) Bodenhamer Const. Co., Oakland $197,700
(B) Rohl-Connoly Co., L. A..... 235,235
(C) Daley Corp., San Diego..... 264,365
(D) V. R. Dennis Const. Co., San Diego 272,620

The work involves:

(1) 50,000 cu. yds. excav., Class 1, Sta. 7 plus 40 to Sta. 10 plus 37;
(2) 112,000 cu. yds. excav., Class 1, Sta. 10 plus 37 to Sta. 15 plus 50;
(3) 36,000 cu. yds. excav., Class 1, Sta. 15 plus 50 to Sta. 25 plus 00;
(4) 1000 cu. yds. excav., Class 2, cut-off trenches;
(5) 1000 cu. yds. concrete, Class 1, cut-o walls;
(6) 6000 cu. yds. concrete, Class 2, in floor lining;
(7) 2900 cu. yds. concrete, Class 3, in side wall lining;
(8) 13,500 bbls. cement in place in the work;
(9) 520,000 lbs. reinf. steel do;
(10) 6800 lin. ft. 4-in. drain tile do;
(11) 400 lin. ft. 6-in. drain tile do;

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .30	$1.00	$ .90	$ .45
(2)	.30	.40	.51	.45
(3)	.30	.57	.60	.45
(4)	1.00	1.00	1.50	2.00
(5)	10.00	5.00	9.00	9.50
(6)	7.00	5.50	6.00	11.00
(7)	10.00	9.00	9.00	12.00
(8)	2.36	2.25	2.35	3.00
(9)	.04	.04	.05	.05
(10)	.50	.50	1.40	.65
(11)	.60	.60	2.00	.75

All bids held under advisement.

(27) 1200 cu. yds. puddling or tamping backfill about strucs.;
(28) 1460 cu. yds. concrete;
(29) 218,000 lb. placing reinforcement bars;
(30) 300 sq. yd. dry-rock paving;
(31) 2000 lb. inst. handrail, stop-plank guides, blowoff valve, etc.;
(32) 9000 lbs. installing gates and gate hoists;

SHCEDULE NO. 4

Sheep Creek Siphon, North Canal, Station 1613+65 to Station 1624+95:
(33) 3000 cu. yds. excav. for strucs., Class 1;
(34) 5100 cu. yds. excav. for strucs., Class 2;
(35) 250 cu. yds. excav. for strucs., Class 3;
(36) 6500 cu. yds. backfill about strucs
(37) 800 cu. yds. puddling or tamping backfill about strucs.;
(38) 1260 cu. yds. concrete;
(39) 170,000 lbs. placing reinforcement bars;
(40) 150 sq. yds. dry-rock paving;
(41) 1800 lbs. installing stop-plank grooves, blowoff valves and connects.

SHCEDULE NO. 5

Structures, Mitchell Butte Lateral:
(42) 5000 cu. yds. excav. for strucs., Class 1;
(43) 1000 cu. yds. excav. for strucs., Class 2;
(44) 3600 cu. yds. excav. for strucs., Class 3;
(45) 4000 cu. yds. backfill about strucs.
(46) 1600 cu. yds. puddling or tamping backfill about strucs.;
(47) 550 cu. yds. concrete;
(48) 43,000 lbs. placing reinforcement bars;
(49) 500 sq. yds. dry-rock paving;
(50) 260 lin. ft. laying 54-in. diameter precast concrete pipe;
(51) 700 lin. ft. laying 60-in. diameter precast concrete pipe;
(52) 2600 lb. inst. handrail, stop-plank guides, blowoff valves, etc.;
(53) 3700 lb. installing gates and gate hoists.

Unit bids follow:

SCHEDULE NO. 1

(1)	$ .27	$ .50	$ .20	$ .28	$ .50	$ .40	$ .60
(2)	.27	.50	.30	.45	.50	.60	.75
(3)	.62	.50	.60	.90	1.00	1.00	2.00
(4)	.20	.20	.16	.30	.40	.45	.30
(5)	.50	.40	.55	.40	.50	1.35	.75
(6)	14.50	15.00	16.50	16.00	17.00	20.00	18.50
(7)	.0175	.02	.0225	.02	.02	.02	.02
(8)	1.00	.50	1.50	1.25	2.50	.2.00	3.00
(9)	.10	.50	.60	.15	.70	.30	.50
(10)	.15	.50	.80	.25	.80	.50	.55
(11)	.05	.03	.03	.05	.05	.05	.10

SCHEDULE NO. 2

(12)	.30	.50	.20	.28	.50	.40	.60
(13)	.30	.50	.30	.45	.50	.60	.75
(14)	.30	.50	.60	.90	1.00	1.00	2.00
(15)	20	.20	.16	.25	.40	.45	.30
(16)	.50	.40	.55	.40	.50	1.35	.75
(17)	14.50	15.00	15.50	15.50	17.00	18.00	18.50
(18)	.0175	.02	.0225	.02	.02	.02	.02
(19)	1.25	.50	1.50	1.25	2.50	2.00	3.00
(20)	.10	.50	.60	.15	.70	.30	.50
(21)	.15	.50	.80	.20	.80	.50	.55
(22)	.05	.03	.03	.05	.05	.05	.10

SCHEDULE NO. 3

(23)	.32	.50	.20	.28	.50	.40	.60
(24)	.32	.50	.30	.45	..50	.60	.75
(25)	.32	.50	.60	.90	1.00	1.00	2.00
(26)	.20	.20	.16	.30	.40	.45	.30
(27)	.60	.40	.55	.40	.50	1.35	.75
(28)	14.50	15.00	16.50	17.00	17.00	20.00	18.50
(29)	.0175	.02	.0225	.02	.02	.02	.02
(30)	1.25	.50	1.50	1.25	2.50	2.00	3.00
(31)	.05	.03	.03	.05	.05	.05	.10
(32)	.05	.03	.03	.03	.08	.08	.10

SHCEDULE NO. 4

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(33)	.30	.50	.20	.28	.50	.40	.60
(34)	.30	.50	.30	.45	.50	.60	.75
(35)	.30	1.00	.60	.90	1.00	1.00	2.00
(36)	.20	.20	.16	.30	.40	.45	.30
(37)	.60	.40	.55	.40	.50	1.35	.75
(38)	14.50	15.00	16.50	17.50	17.00	20.00	18.50
(39)	.0175	.02	.0225	.02	.02	.02	.02
(40)	1.25	.50	1.50	1.50	2.50	2.00	3.00
(41)	.05	.03	.03	.05	.05	.05	.10

SHCEDULE NO. 5

(42)	.30	.50	.20	.....	.....	.35	.75
(43)	.50	1.00	1.00	.....	.....	.70	1.00
(44)	1.00	1.50	1.25	.....	.....	1.00	3.00
(45)	.20	.20	.30	.....	.....	.45	.50
(46)	.70	.40	.55	.....	.....	1.00	.75
(47)	15.50	18.00	20.00	.....	.....	19.00	30.00
(48)	.02	.02	.025	.....	.....	.02	.03
(49)	1.25	.50	1.00	.....	.....	2.00	3.00
(50)	2.50	2.50	2.50	.....	.....	3.25	3.00
(51)	3.00	2.50	2.75	.....	.....	4.06	3.50
(52)	.10	.03	.04	.....	.....	.05	.15
(53)	.10	.03	.04	.....	.....	.07	.15

GRAND COULEE, Wash.—Grading and Structures—(Govt.)

GRAND COULEE, Wash.—Crick & Kuney, Realty Bldg., Spokane, Wash., at $220,676.50 submitted low bid to the U. S. Bureau of Reclamation, Spokane, for Schedule No. 1 of Spec. No. 569, for the grading and structures for highway, head of Grand Coulee to Columbia River Bridge, and construction of railroad, head of Grand Coulee to Grand Coulee dam site, and grading for streets in government camp site, Columbia Basin Project, Wash.

Crick & Kuney, Sopkane at $144,898 submitted low bid for Schedule No. 2.

S. H. Newell & Co., Board of Trade Bldg., Portland, at $8,580 submitted low bid for Schedule No. 3.

Total bids follow:

SCHEDULE NO. 1

(A) Crick & Kuney, Spokane, Wash., $220.676.50.
(B) Addison-Miller, Inc., Seattle, $228-905.00.
(C) H. J. Kaiser Co. and W. A. Bechtel Co., San Francisco, $236,391.00.
(D) Erickson Paving Co., Seattle $256-$41.50.
(E) David H. Ryan, San Diego, Cal., $263,132.50.
(F) L. Romano Engr. Corp., Seattle, $273,405.00.
(G) Myers & Goulter, Seattle, $278,-846.50.
(H) P. L. Crooks & Co., Portland, $322,378.50.
(I) C. T. Malcom and Clarence Young, $323.046.00.
(J) Morrison-Kundsen Co., Spokane, $333,075.00.

SCHEDULE NO. 2

(A) Crick & Kuney, Spokane, Wash., $144,989.00.
(B) Erickson Paving Co., $164,390.00.
(C) H. J. Kaiser Co. and W. A. Bechtel Co., 167,580.00.
(D) L. Romano Engr. Corp., $171,750.
(E) David H. Ryan, $173,228.00.
(F) Addison-Miller, Inc., $178,371.00.
(G) Myers & Goulter. $179.835.00.
(H) C. T. Malcom and Clarence Young $203.927.00.
(I) Morrison - Kundson Co., $220,700.
(J) P. L. Crooks & Co., $224,794.00.

SCHEDULE NO. 3

(A) S. H. Newell & Co., Portland $8,580.00.
(B) Crick & Kuney, $10,450.00.
(C) Morrison - Kundson Co., $10,900.
(D) Addison-Miller, Inc., $11,872.
(E) Myers & Goulter. $12 420.00.
(F) David H. Ryan, $12,470.00.
(G) Erickson Paving Co., $13,018.00.
(H) H. J. Kaiser Co. and W. A. Bechtel Co., $16,360.
(I) P. L. Crooks & Co., $16,860.
(J) L. Romano Engr. Corp., $17.360.00.
(K) C. T. Malcom & Clarence Young, $19,600.00.

COMBINATION TOTALS
SCHEDULES 1 AND 3

(A) Crick & Kuney, $231,126.50.
(B) Addison-Miller, Inc., $240,777.00.
(C) H. J. Kaiser Co. & W. A. Bechtel Co., $252,751.00.
(D) Erickson Paving Co., $269,859.50.
(E) David H. Ryan, $275,602.50.
(F) L. Romano Engr. Corp., $290,765.
(G) Myers & Goulter, $291,266.50.
(H) P. L. Crooks & Co., $339,238.50.
(I) M. T. Malcom and Clarence Young $342,646.00.
(J) Morrison-Kundson Co., $343 975.

COMBINATION TOTALS
SCHEDULES 2 and 3

(A) Crick & Kuney, $155,348.00.
(B) Erickson Paving Co., $177,408.00.
(C) H. J. Kaiser Co. & W. A. Bechtel Co., $183,940.00.
(D) David H. Ryan, $185,698.00.
(E) L. Romano Engr. Corp., $189,110.
(F) Addison-Miller, Inc., $190,243.00.
(G) Myers & Goulter, $192.255.00.
(H) C. T. Malcom and Clarence Young $223,527.00.
(I) Morrison - Kundson Co., $231,600.
(J) P. L. Crooks & Co., $241,654.00.

Bids were taken as follows:

SCHEDULE NO. 1

(1) 280,000 cu. yds. excav. for highway and railroad, common;
(2) 135,000 cu. yds. excav. for highway and railroad, rock;
(3) 7,133,000 st. cu. yds. overhaul;
(4) 2,500 cu. yds. excav. for struc., common;
(5) 250 cu. yds. excav. for struc., rock
(6) 1,500 cu. yds. backfill about struc.
(7) 380 lin. ft. excav. and backfill of storm sewer trench;
(8) 150 cu. yds. excav., rock, in storm sewer trench;
(9) 150 cu. yds. concrete;
(10) 19,000 pd. placing reinf. bars;

(Continued on Page 31)

(11) 700 cu. yds. rubble masonry;
(12) 1,100 lin. ft. laying 18-in. dia. corrugated metal pins;
(13) 900 lin. ft. laying 24-in. corru. metal pipe;
(14) 575 lin. ft. laying 30-in. diameter concrete pipe;
(15) 5,500 lin. ft. constructing cable guard rail;
(16) 40 m.b.m. erecting timber in railroad overhead crossing;
(17) 19,700 pd. erecting struc. steel & galv. metal decking for railroad overhead crossing;
(18) lump sum installing frame and cover for manhole and pipe and valve box for lamp hole;

SCHEDULE NO. 2

(19) 149,000 cu. yds. excav. for highway, common;
(20) 93,000 cu. yds. excav. for highway rock;
(21) 5,620,000 st. cu. yds. overhaul;
(22) 600 cu. yds. excav. for struc., common;
(23) 250 cu. yds. excav. for struc., rock;
(24) 500 cu. yds. backfill about struc.;
(25) 80 cu. yds. concrete;
(26) 12,000 pd. placing reinf. bars;
(27) 700 cu. yds. rubble masonry;
(28) 720 lin. ft. laying 18-in. diameter corrugated metal pipe;
(29) 40 lin. ft. laying 24-in. diameter corrugated metal pipe;
(30) 7,400 lin. ft. construct cable guard rail;

SCHEDULE NO. 3

(31) 37,400 cu. yds. excav., common grading;
(32) 1,000 cu. yds. excav., rock, grading;
(33) 40,000 st. cu. yds. overhaul;

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .28	$ .225	$ .23	$ .30	$ .24	$ .35	$ .20	$ .40	$ .40	$ .25
(2)	.88	.85	.90	.90	1.10	1.00	1.10	1.30	1.36	1.40
(3)	.001	.004	.004	.005	.004	.003	.0075	.002	.001	.007
(4)	.50	.70	.80	.75	.90	.80	.50	1.00	1.25	1.00
(5)	2.00	3.00	3.00	4.00	2.00	2.00	1.50	2.00	2.50	3.00
(6)	.30	.40	.50	.50	.40	.20	.50	.50	.50	1.00
(7)	2.50	3.00	1.50	3.50	1.00	3.00	1.00	1.00	2.00	9.00
(8)	2.00	3.00	3.00	4.00	2.00	3.00	2.00	3.00	3.00	5.00
(9)	20.00	12.00	20.00	8.00	19.00	20.00	15.00	20.00	25.00	16.00
(10)	.02	.03	.02	.015	.02	.02	.03	.04	.02	.02
(11)	7.00	12.00	10.00	5.00	8.00	7.00	12.00	8.00	6.00	10.00
(12)	.30	.25	.50	.50	.50	.50	.50	.70	.60	.50
(13)	.30	.45	.60	.75	.70	1.50	1.00	1.00	.75	.75
(14)	.30	1.50	3.00	2.50	1.00	3.00	1.50	1.50	1.00	1.00
(15)	.40	.60	.30	.20	.50	.20	.50	.35	.50	.40
(16)	25.00	40.00	50.00	24.00	30.00	25.00	20.00	30.00	20.00	25.00
(17)	.03	.015	.02	.02	.015	.03	.03	.05	.04	.02
(18)	50.00	75.00	200.00	20.00	40.00	20.00	120.00	30.00	25.00	50.00

SCHEDULE NO. 2

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(19)	$ .30	$ .30	$ .26	$ .35	$ .24	$ .25	$ .20	$ .40	$ .25	$ .50
(20)	.90	.90	1.00	1.00	1.10	1.10	1.15	1.36	1.40	1.30
(21)	.001	.005	.004	.003	.004	.004	.005	.001	.007	.003
(22)	.50	.75	1.50	.80	.90	.80	.50	1.25	1.00	1.00
(23)	2.00	4.00	3.00	2.00	2.00	3.00	1.50	2.50	3.00	2.00
(24)	.30	.50	.50	.20	.40	.45	.50	.50	1.00	.40
(25)	20.00	8.00	20.00	20.00	19.00	14.00	15.00	25.00	16.00	25.00
(26)	.02	.015	.02	.02	.02	.03	.03	.02	.02	.04
(27)	7.00	5.00	10.00	7.00	8.00	12.50	12.00	6.00	10.00	8.00
(28)	.30	.50	.50	.50	.50	.25	.50	.60	.75	.70
(29)	.30	.75	1.00	2.00	.70	.90	1.00	.75	1.00	1.50
(30)	.40	.20	.30	.20	.50	.60	.50	.50	.40	.35

SCHEDULE NO 3

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(31)	$ .20	$ .25	$ .25	$ .28	$ .30	$ .30	$ .32	$ .40	$ .40	$ .40	$.50
(32)	.70	.90	.75	1.00	.90	.85	.60	1.00	1.50	.80	.50
(33)	.01	.005	.02	.02	.0075	.01	.01	.01	.01	.04	.01

STIPULATIONS

Crick & Kuney will not accept Schedle 3 unless awarded Scheds. 1 or 2.
Addison-Miller, Inc., will accept Schedules 1 and 3 or Schedules 2 and 3, but not Schedule 3 alone.
Henry J. Kaiser Co. and W. A. Bechtel Co., Inc., will not accept Sched. 3 alone.
David H. Ryan, reduce Item 31 to 0.27 if awarded Scheds. 1 & 3 or 2 & 3.
P. L. Crooks & Co., will accept Schedules 1 & 3 or Scheds. 2 and 3 only.
C. T. Malcom and Clarence Young will not accept Schedule 3 alone.
Morrison-Knudson Co. will not accept Schedule 3 alone.

COMPLETE BID LISTING

LOS ANGELES, Cal. — Pan-Pacific Piling & Construction Co., 2145 E. 25th St., Los Angeles, at $119,250 (item 1), as previously reported, submitted low bid to the Los Angeles Harbor Department, April 4, for finger piers, wharves and miscellaneous construction for Los Angeles Fish Harbor Extension; Spec. No. 929, PWA Docket 2712.

The project, located off the south shore of Terminal Island, consists of constructing six creosoted timber piles and timber deck finger piers and two wharves, each 30 ft. in width and variable in length and approximately 187,300 sq. ft. in total area. The estimated quantities follow:

1,251 only creosoted timber piles, 16-lb. treatment, 60,124 ft.;
166 only creosoted timber logs, 12-lb. treatment, 9,240 ft.;
54 MFBM creosoted bracing and misc. timbers, 16-lb. treatment;
671 MBM untreated fir bracing, various grades and sizes;
360 MBM Port Orford cedar decking;
259 only cast iron mooring cleats;
332 only assemblies of fender log, chains and anchors;
231 lin. ft. conc. mole curbing, remove and resurface;
15 only concrete pedestals, creosoted pile stubs;
140 lin. ft. rubble rock bulkhead, wall, remove and trim;
100 lin. ft. rubble conc. retaining wall;
10,580 sq. ft. 7-in. asph. conc. paving, including grading;
2,900 sq. ft. 3-in. asphaltic conc. wearing surface over pavement;
14,000 sq. ft. grading for pavement;
Miscellaneous hardware, paint, electrical work, etc.

Bids will be taken as follows:

(1) Construct, complete, eight finger piers and wharves with fender system, pile entrance beacon, paved approaches to piers, lump sum;
(2) Construction, complete, exclusive of fender system, logs, chains and anchors, lump sum;
(3) Driving additional length of piling, per lin. ft.

Complete bids follow:

(A) Pan-Pacific Piling & Constr. Co., Los Angeles.
(B) Lynch-Cannon Engrg. Co., Los Angeles.
(C) George Hess, Los Angeles.
(D) R. R. Bishop, Long Beach.
(E) Rohl-Connolly Co., Los Angeles.
(F) Merritt - Chapman - Scott, San Pedro.
(G) Herbert M. Baruch Corp., Los Angeles.

	(1)	(2)	(3)
(A)	$119,250	$180,700	$1.50
(B)	135,200	125,200	1.50
(C)	138,434	127,800	.90
(D)	143,800	132,500	1.00
(E)	166,500	154,500	1.00
(F)	170,173	154,173	.90
(G)	174,872	163,532	1.70

COMPLETE BID LISTING

LOS ANGELES, Cal. — Los Angeles Harbor Department, San Pedro, at $132,300 (item 1), as previously reported, submitted low bid to the Board of Harbor Commissioners, April 4, for rock entrance jetties for Los Angeles Fish Harbor Extension; Spec. No. 928, PWA Docket 2712.

The project consists of furnishing and placing approximately 46,250 cu. yds. finished measurement of quarry rock for two rock mound jetties to be located at entrance to Fish Harbor extension off the south shore of Terminal Island. The east jetty will consist of the extension of existing Fish Harbor Mole for a distance of 160 ft. southerly. West jetty will project from the northeast corner of the U. S. Government reservation in a northeast direction for a distance of 580 ft.

Estimated quantities of rock in the east jetty are:

Class 1, approx. 7,200 cu. yds.;
Class 2, approx. 1,260 cu. yds.;
Class 3, approx. 2,930 cu. yds.

Estimated quantities of rock in the west jetty are:

Class 1, approx. 20,690 cu. yds.;
Class 2, approx. 3,850 cu. yds.;
Class 3, approx. 10,560 cu. yds.

Bids will be taken as follows:

(1) Furnish and install all rock work, including Classes 1, 2 and 3, placed in position in two jetties, lump sum;
(2) Furnish and install all rock work, including railroad freight rates from quarry, lump sum.
(3) Unit price per short ton for rock in place, including freight rates.
(4) Unit price per short ton for rock in place, including freight rates.

Complete bids follow:

(A) Los Angeles Harbor Department, San Pedro.
(B) Karl B. Kumpe, Ltd., Riverside.
(C) Rohl-Connolly Co., Los Angeles.
(D) Merritt - Chapman - Scott, San Pedro.
(E) George Hess, Los Angeles.
(F) San Francisco Bridge Co., San Francisco.

(E)	194,491	128,500	2.80	1.84
	(1)	(2)	(3)	(4)
(A)	$132,300	$.....	$2.70	$.....
(B)	172,250	104,750	2.06	1.16
(C)	172,590	172,590	2.50	2.50
(D)	175,492	109,407	2.15	1.25
(E)	194,491	128,500	2.80	1.84
(F)	280,700	204,200	2.65	1.75

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Release of Nevada PWA Cash Sought

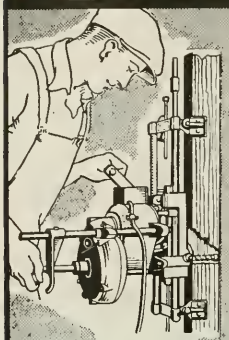
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

APRIL 21, 1934

Vol. XVII—No. 16

WAPPAT Electric TOOLS



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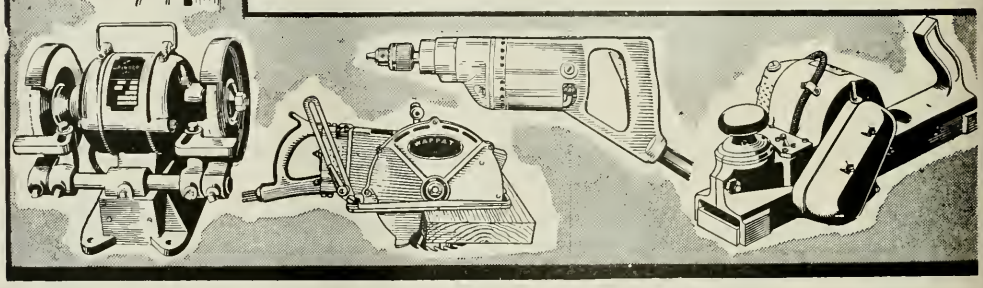

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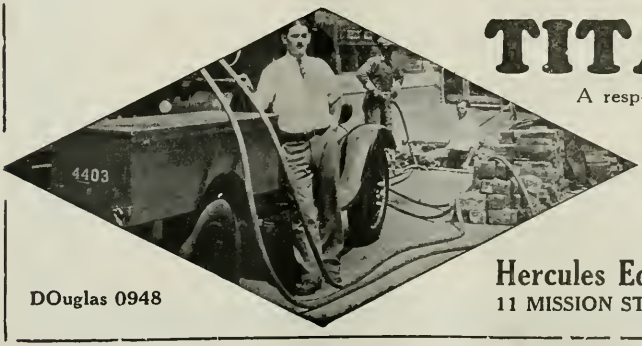

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Vol. XVII SAN FRANCISCO, CAILF., APRIL 21, 1934 No. 16

OILING CONTRACTS ADVERTISED FOR OPENING MAY 9

Merced Trestle Replacement Only Construction Work To Be Let

SACRAMENTO, April 17. — Bids on one highway construction contract will be received May 9 by the State Highway Commission, the project being replacement of an existing timber trestle over the Merced river at Cox Ferry with a steel and timber structure.

Bids will be received on the same date for four oiling jobs in various Northern California counties.

The schedule for May 9 follows.

MERCED CO.: Construct steel and timber crossing over Merced river at Cox Ferry, replacing existing timber trestle.

MENDOCINO COUNTY 51.1 mi. treating with fuel oil between Gualala and Mendocino.

FRESNO and Tulare Counties: 17 miles treating with fuel oil between Orange Cove road and General Grant National Park and between Academy and the east end of Huntington Lake.

TULARE and Kings Counties: 13.5 miles treating with fuel oil between Springville and Camp Belson and between Corcoran and Earlimart.

KERN COUNTY: 15.8 mi. treating with fuel oil between the west boundary and 6.6 miles west of McKittrick and between the junction of State Highway Route 58 and Route 144 and the state institution for women.

Bids are to be received May 1 by the District Engineer at Marysville for treating with fuel oil about 33 miles at various locations in Sierra and Nevada counties.

At Los Angeles the District Engineer will open bids May 4 for placing a bituminous seal coat on 26.5 miles in Orange county at various points.

CEMENT PRICES ARE REDUCED

A drop in prices of cement and lime became effective in San Francisco material markets during the week. Cement was reduced 13 cents a sack. Lime dropped 10 cents a barrel. Roche Harbor and Blubber Bay were reduced 15 cents.

The national average of building material prices gained about one-half of one per cent in the week ending April 7, according to the U. S. Bureau of Labor Statistics. The index rose to 86.7 compared with 86.3 for the previous week and 69.0 in the corresponding week of 1933.

S. F. Utilities Board To Receive Bids On Three Contracts

Bids are being received May 3 by the San Francisco Public Utilities Commission for erection of a dormitory at Moccasin reservoir in Tuolumne county and on the same date for fencing the Priest and Moccasin reservoirs.

The dormitory building will be of frame construction, approximately 62 by 68 feet, one-story and basement. The general contract includes plumbing and wiring.

The fencing contract will require approximately 44,000 feet of barbed wire and 14,000 feet of woven wire, together with posts and gates.

A third contract for which the Utilities Commission is inviting bids to be received May 3 is for erection of the Machine Shop building at the Municipal Airport. This building will be 18 feet by 65 feet, walls of galvanized metal, composition roof, concrete floors set on concrete footings over existing piling.

BIDS MAY 9 ON $100,000 SCHOOL REPAIR CONTRACT

Opening Date Set For Proposals on Girls' High and Bayview Reconstruction

The San Francisco Board of Public Works yesterday advertised for bids on two additional school reconstruction contracts, including that for necessary repairs to the Girls' High School, Geary and Scott Sts., estimated to cost $100,000.

Architect H. A. Minton prepared the reconstruction plans for the Girls' High School.

Bids were called also for repairs to Bayview school, Bayview and Flora streets, estimated at $15,000. This work is to be supervised by E. L. Cope, structural engineer.

The board received bids on repairs to Denman school, Hayes and Pierce streets, and awarded the contract to the low bidder, M. C. Vukicevich, 666 Mission street, at $26,843. Ten bids were received. The board voted also to rescind a previous award on the reconstruction of the Commodore Stockton school, let to C. L. Wold, low bidder. The contract was re-awarded to the second low bidder, Harry Oser, Hobart Building, at $22,725.

The schedule for bids on school repair contracts now is as follows:

April 25—Spring Valley School, estimated, $50,000.

May 2—Bayview School, estimated, $15,000.

May 9—Girls' High School, estimated, $100,000.

According to data released by the Department of Commerce new orders for steel boilers totaled 212 for the month of February and 239 for the month of January 1934. The total for the first two months of 1934 was 461, compared with 373 in the same months in 1933.

NEVADA BOND ACTS OBSTACLE TO PWA LOANS

Officials Meet in Reno to Determine Method of Releasing Money

Faced with opinions from bond attorneys that Nevada statutes are inadequate to permit counties and municipalities to issue the necessary bonds to secure PWA loans a meeting of representatives of communities seeking such loans has been called to Reno to discuss the matter. Captain H. A. Skerry of Fort Lawton, Wash., regional PWA representative, and R. A. Allen, P W A engineer for Nevada, have arranged for the meeting.

Among those invited to attend are members of the board of county commissioners of Washoe county, M. E. Jepson, district attonrey, A. L. Haight, Fallon city attorney, Raymond Flanary, Sparks city attorney, John R. Ross, district attorney of Lyon county, Grover Crick, district attorney of Douglas county, Fred Dangberg of Minden, Geo. L. Sanford, attorney for the Carson River Irrigation District, Harry J. Murrish, Lovelock attorney, Milton Badt, attorney for Carlin, Louis Stodieck of Douglas county, and others who may be interested. Acting Governor Morley Griswold and Gray Mashburn, attorney general, may attend.

PWA loan applications in Navada that have been approved and the money allotted include:

Fallon, $100,000 for water works.

Lovelock, $106,000 for water works.

Lyon county, $40,000 for courthouse repairs.

Carlin, $100,000 for water works.

Sparks, $45,000 for sewers.

Washoe county, $1,500,000 for Truckee river storage.

An application by Douglas county for an $800,000 loan for storage on the Carson river has not been finally approved but, according to Allen's office, it will be approved by Washington.

None of the money will be made available until the counties or municipalities have issued general obligation bonds bearing four per cent interest. In all instances, except the two up-stream storage projects, the bonds must cover seventy per cent of the amount requested while the government will make a grant of thirty per cent.

AWARD THREE S. F. CONTRACTS

SPECIAL TO DAILY PACIFIC BUILDER

SACRAMENTO, Apr. 18.—The State Highway Commission today awarded three contracts for improvement of arterial streets in San Francisco for which bids were submitted last week. The awards authorized are: A. J. Raisch Co., $69,461 for Bryant St. widening and paving; Fay Improvement Co., at $66,384, for paving between Van Ness Ave. and Division St. and at $56,325 for paving between Bayshore boulevard and Mission street viaduct.

$1,712,000 BONDS FOR COURTHOUSE SOLD BY COUNTY

Rate Under Four Per Cent Offered by Purchasers of Building Securities

The entire $1,712,000 Alameda County Courthouse bond issue approved by the voters earlier this month, was sold by the Board of Supervisors yesterday to the lowest of six competing bidders.

The joint offer of the Harris Trust and Savings Company and the Northern Trust Company of Chicago, was accepted by the unanimous vote of the board.

In the combined bid, the firms took $340,000 in bonds, maturing from 1939 to 1942, at 3¾ per cent interest, and the remaining $1,372,000, maturing from 1943 to 1958, at 3½ per cent interest.

The sale embraces the payment of a $140 premium to the county.

Five other banking and investment firms bid on the bonds, the next closest offer coming from Bancamerica, which offered to buy $1,310,000 in bonds at 3¾ per cent interest, and $402,000 bonds at 3¼ per cent, with no premium.

County Treasurer William Foss informed the Supervisors that the Bancamerica bid represented a cost of $12,000 more to the county in the transaction than the Chicago offer. The average rate of interest payment on the accepted offer will run 3.51 per cent, Foss said.

Other participating bidders were the City Company, of New York; Blyth & Co., Inc., R. H. Moulton & Co., R. W. Pressprich & Co

$520,000 BONDS FOR LODI PLANT ON APRIL BALLOT

City Council Submits Issue With Recommendation of Engineers

The city of Lodi will vote April 23 on a proposed bond issue of $520,000 to construct a hydro-electric power plant on the Mokelumne river.

A government grant of 30 per cent of the cost of labor and materials will be asked if the bonds are approved.

The city council action in submitting the bond issue is based on the report of a board of consulting engineers composed of Nelson A. Eckart, Walter L. Huber and F. C. Herrmann of San Francisco.

The engineers reported:

"The project is feasible both from a physical and economical point of view.

"The estimated cost of the proposed hydro-electric plant including the necessary transmission line and step-up and step-down transformer stations, exclusive of land and rights of way, is $510,000.

"The proposed plant will be capable of supplying the requirements of the City of Lodi, amounting to 6,000,000 K.W.H. and it will produce a surplus of 12,000,000 K.W.H. for which there is a ready market to the extent of 9,000,000 K.W.H. in the rural area adjacent to the City of Lodi.

"As compared with the purchase of the necessary electric energy at a cost of $54,000 to meet Lodi's present demand of 6,000,000 K. W. H. annually ,the proposed plant, after being charged with all operating expenses, including standby service, maintenance and depreciation, administration and bond interest, will initially show an annual saving of expense of about $18,000, or about 34 percent, which saving will increase to over $30,000, or about 57 percent, when the bonds have been redeemed.

"On the same basis, the creation of a Rural Utility District, with its own distributing system, affording a market for an additional 9,000,000 K. W. H. annually, would make possible further savings of over $56,000 in the initial year, increasing to about $75,000 when the bonds have been redeemed, over the purchase price under the P-6 Schedule of approximately $125,000."

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
197	Madsen	Ross	2000
198	Wasmuth	Owner	1000
199	Walsh	Irwin	1800
200	Martinelli	Martinelli	3000
201	Cruelles	Owner	1500
202	Wade	McSheehy	1663
203	Olson	Owner	1200
204	Sussman	Jacks	6000
205	Roccon	Vannucci	5000
206	Liebman	Owner	8000

ALTERATIONS
(197) NO. 128 PERRY ST. Alter machine Shop.
Owner—A. Medsen, 1440 15th Avenue, San Francisco.
Architect—Not Given.
Contractor — D W. Ross, 1440 15th Ave., San Francisco. $2000

DWELLING
(198) NO. 721 LONDON ST. One-story frame dwelling.
Owner—C. L. Wasmuth, 1060 Valencia St., San Francisco.
Architect—Not Given. $1000

ALTERATIONS
(199) 63-67 CLARA ST.; alter dwelling.
Owner—Margaret Walsh, 67 Clara St.
Architect—Not Given.
Contractor—J. J. Irwin, 1040 Oak St. $1,800

ALTERATIONS
(200) SE COLUMBUS Ave. and Chestnut Street; alter restaurant.
Owner—Frank L. Martinelli, 1025 Columbus Avenue.
Architect—J. R. Miller & T. L. Pflueger, 580 Market Street.
Contractor—J. Martinelli, 666 Mission Street. $3,009

ALTERATIONS
(201) 3147 FILLMORE St.; alter hotel.
Owner—I. Cruelles, 2226 Mission St.
Architect—Not Given. $1,500

REPAIRS
(202) NO. 2275 CALIFORNIA ST. Repair fire damage to flats.
Owner — James and Blanche Wade, 2275 California St., San Francisco.
Architect—Not Given.
Contractor—James E. McSheehy, 137 Clifford Terrace, S. F. $1663

ALTERATIONS
(203) NO. 1219 TWENTY-FOURTH Ave. Alter dwelling.
Owner—A. E. Olson, 1219 24th Ave., San Francisco.
Architect—Not Given. $1200

ALTERATIONS
(204) FOURTH AND BERRY STS. Alter office.
Owner—Sussman, Wormser & Co., 4th and Berry Sts., San Francisco.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St. $6000

WAREHOUSE
(205) W HARRISON ST. 400 S 4th St. One-story concrete warehouse.
Owner—Frank Roccon, 356 8th St., San Francisco.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Ave., $5000

FLATS
(206) W WEBSTER ST. 75 S Jefferson St. Two-story and basement frame flats.
Owner—Ben Liebman, 5743 Geary St.
Architect—R. R. Irvine, 1849 Chestnut St., San Francisco. $8000

ALAMEDA COUNTY

167	Szuch	Moen	3000
168	Club	Owner	1000
169	Heithon	Fleiner	3000
170	Regal	Electrical	1000
171	Brandi	Cisero	5500
172	Pressler	Owner	3800
174	Weber	Arnold	8000
175	D. S. G. Co.	Owner	1000
176	Pierson	Larmer	3500

DWELLING
(167) NO. 2612 PARKER AVENUE, **OAKLAND.** One-story 5-room dwelling.
Owner—C. Szuch, 2608 Parker Ave., Oakland.
Architect—Not Given.
Contractor—Ole Moen, 4201 E-16th St., Oakland. $3000

ALTERATIONS
(168) NO. 431 NINETEENTH ST., **OAKLAND.** Alterations.
Owner—Club New Yorker, 431 19th St. Oakland.
Architect—F. H. Slocombe, 131 Monte Cresta Ave., Oakland. $1000

DWELLING
(169) NO. 1884 SAN JUAN AVENUE, **BERKELEY.** One-story 3-room frame dwelling and garage.
Owner—Fredia Heithon, 5442 Grove St., Oakland.
Architect—F. H. Rheimers, 233 Post San Francisco.
Contractor — Fleiner & Griffin, 1921 26th Ave., Oakland. $3000

SIGN
(170) SE COR. 12th and Broadway, **OAKLAND;** electric sign.
Owner—Regal Products Co.
Architect—Not Given.
Contractor—Electrical Prod. Corp., 950 30th St., Oakland. $1000

DWELLING
(171) 540 57th ST., **OAKLAND;** one-story 6-room dwelling.
Owner—W. Brandi, 441 51st St., Oakland.
Architect—Not Given.
Contractor—John Cisero, 470 42nd St., Oakland. $5500

DWELLING
(172) NO. 1901 CLEMENS ROAD, **OAKLAND.** Two-story six-room dwelling.
Owner—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given. $3800

DWELLING
(173) NO. 2901 SEVENTY-FIFTH Ave., **OAKLAND.** Two-story 7-room dwelling.
Owner—C. R. Lyon, 1058 75th Ave., Oakland.
Architect—Not Given. $6127

DWELLING
(174) NO. 940 DELAWARE ST., **BERKELEY.** One-story 10-room frame dwelling and garage.
Owner—E. Lasko, 943 Delaware St., Berkeley.
Architect—Not Given.
Contractor—G. Johanson, 1357 Northraid Ave., Berkeley. $5000

DWELLING
(174) 21 AGNES ST., **OAKLAND;** 2-story 7-room dwelling.
Owner—Karl J. Weber, 1737 34th Ave., Oakland.
Architect—Not Given.
Contractor—Henry W. Arnold, 816 Oak St., Alameda. $8,000

ALTERATIONS
(175) 336 38th ST., **OAKLAND;** alteration to dwelling.
Owner and Builder—D. S. G. Co., 160 Grand Ave., Oakland.
Architect—Not Given. $1,000

DWELLING
(176) 90 QUAIL AVE., **BERKELEY;** one-story 5-room frame dwelling and garage.
Owner—Wm. M. Pierson, 190 Poplar St., Berkeley.
Architect—Ray Keefer, Oakland.
Contractor—Edward Larmer, Oakland. $3,500

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt
45	Sussman	Jacks	6424
46	Wristen	Lindgren	2231
47	Hagen	Dawe	5775

INTERIOR FIXTURES, ETC.
(45) SE COR. FOURTH and BERRY Streets; interior fixtures, fittings, millwork, etc., for Sussman, Wormser & Co.
Owner—Sussman, Wormser & Co., 4th and Berry Streets.
Architect—Samuel L. Hyman and A. Appleton, 68 Post Street.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St.
Filed April 14, '34. Dated April 9, '34.
Tenth of each month.....75%
Usual 35 days.....25%
TOTAL COST, $6,424.00
Bond, $6424. Sureties, Great American Indemnity Co. of New York. Limit, 20 working days. Plans and Specifications filed.

ALTERATIONS
(46) NO. 2835 LARKIN STREET. Alterations and repairs to two-story dwelling.
Owner—Arthur and Jennabell Wristen, Premises.
Architect—Not Given.
Contractor — Albin C. Lindgren, 346 Lowell St., San Francisco.
Filed Apr. 16, 34. Dated Apr. 13, '34.
Ready for plaster.....$557.75
Plaste ring completed..... 557.75
Building completed 557.75
60 days after..... 557.75
TOTAL COST, $2231.00
Bond, none. Limit, 60 working days. Forfeit, plans and specifications, none.

RESIDENCE
(47) E TANGENT LINE TWENTY-fourth Ave. 40 S tangent line of Ocean Ave. extended W; S 40xE 100 Blk 7214, Merced Manor. All work for residence.
Owner—Alvin E. and Emily J. Hagen, 144 Beaver St., San Francisco.
Architect—Not Given.
Contractor—Leslie C. Dawe, 449 Coventry Road, Berkeley.
Filed Apr. 17, '34. Dated ——.
Signing of contract .....$ 250
1st floor laid 1105
Ready for plaster..... 1105
Plaster on 1105
Upon completion 1105
Usual 35 days..... 1105
TOTAL COST, $5775
Bond, $5775. Surety, American Employers' Insurance Co. of Boston. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

ALAMEDA COUNTY

29	Roehm	Rich	5169
173	Lyon	Owner	6127
174	Lasko	Johanson	5000

DWELLING

(29) LOT 10 BLK 7, Rock Ridge Park Oakland. All work for one and one-half-story frame dwelling.

Owner — Frederick W. and Florence Roehm.

Architect — Williams & Wastell, 374 17th St., Oakland.

Contractor—James L. Rich, 556 37th St., Oakland.

Filed Apr. 12, '34. Dated Apr. 10, '34.

Joists placed	$969.20
Frame completed	969.20
Ready for painting	969.20
When completed	969.20
Usual 35 days	992.20
TOTAL COST,	$5169.00

Bond, $2500. Sureties, T. P. Hogan and Joseph Z. Todd. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

BILLBOARD, $6.25; N Pacific 133 E. Larkin St.; owner and builder, Foster & Kleiser Co., 1675 Eddy.

ALTER store, $450; 957 Grant; owner, Tom Hing, 957 Grant Ave.; contractor, Frank Yick, 670 Washington St.

ALTER store, $400; 174 Geary; owner, Rita Dress Shoppe, 174 Geary St.; contractor, Seymour Showcase & Fixture Co., 604 Mission St.

ALTER garage, $300; SW Geary and 18th Ave.; owner, Oscar Tobriner, 3494 Jackson St.

ADD to dwelling, $400; 619 19th Ave.; owner, Elwood A. Williams, 619 19th Ave.; contractor, Joseph N. Dunn, 2620 Anza St.

BILLBOARD, $6.25; SW Irving Street and 24th Ave.; owner and builder, Foster & Kleiser Co., 1675 Eddy.

SIGN, electric, $100; 3050 Mission St.; owner, Menary, 3050 Mission St.; contractor, Pioneer Elec. Co., 2128 Market St.

BILLBOARD, $12.50; NE Polk and Greenwich Sts.; owner and builder, Foster & Kleiser Co., 1675 Eddy.

ALTER dwelling, $75; 613 Wisconsin; owner, Maria Girelli, 613 Wisconsin St.

ALTER store, $300; 1015 Market St.; owner, A. F. Sanford, 1015 Market; contractor Commercial Fixture Co. 55 Morris Ave.

DWELLING, 1-story frame, $500; N Gerald 225 N Coleman; owner, R. A. Burk.

SIGN, electric, $150; 3541 18th St.; owner, Mission Turner Hall, 3541 18th St.; contractor, QRS Neon Corp., 690 Potrero Ave.

SIGN, electric, $300; 4668 Mission St.; owner, Ocean Avenue Service Station and Garage, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.

CEMENT floor, $50; 3488A Mission St.; owner, W. Scott, 407 Waller St.

BILLBOARD, $6.25; W Fillmore 122 Cervantes Blvd.; owner, Foster & Kleiser Co., 1675 Eddy St.

REPAIR fire damage to stores & loft $300; 113 Steuort St; owner, ——; contractor, A. L. Thulin, 63 Brady

ALTER beer parlor, $600; 72 Eddy St. owner, W. C. Jones, 1132 Guerrero St.; contractor, W. C. Jones, 1132 Guerrero St.

SIGN, electric, $35; 3707 Balboa St.; owner, Balboa Tavern, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.

SIGN electric, $250; 5542 Geary St.; owner, Martha Washington Candies Co., Premises; contractor, Q. R. S. Neon, 690 Potrero Ave.

GARAGE, one-story private, $75; 316 23rd Ave.; owner, P. Donnelly, 302 23rd Ave.; contractor, P. Donnelly, 302 23rd Ave.

SIGN, electric, $275; SE 20th and Mission Sts.; owner, Martha Washington Candies Co., Premises; contractor, QRS Neon Sign Corp., 690 Potrero Ave.

BILLBOARD, $12.50; W Fillmore 125 N Chestnut St.; owner, Foster & Kleiser Co., 1675 Eddy St.

SIGN, electric, $300; 1414 Van Ness Ave.; owner, Dave Fishman, 1414 Van Ness Ave.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER tavern, $500; 482 Castro St.; owner, F. T. Dunleavy, Premises.

SIGN, electric, $100; 1220 Bush St.; owner, Vartian Garage, 1220 Bush St.; contractor, QRS Neon Corp., 690 Potrero Ave.

REPAIR fire damage to flats, $800; 1621-31 Sutter St.; owner, K. Matsuoka, 102 South Park; contractor, Fred J. Early Jr., 369 Pine St.

ALTER dwelling, $500; 2835 Larkin St.; owner, A. Uristen, Premises; contractor, Albin C. Lindgren, 346 Lowell St.

INSTALL angle braces, $90; 550-552 Montgomery St.; owner, Capital Co., 625 Market St.; contractor, Patterson & Koster Iron Works, 280 13th Street.

ALTER shed, $59; 1964 Hyde St.; owner, D. & G. Food Store, Prem.

ALTER dwelling, $100; 235 28th St.; owner, Mrs. Madson, 235 28th St.

ALTER dwelling, $100; 1420 Chestnut; owner, D. Costantinto, Premises.

GARAGE, private, one-story, $175; 462 22nd Ave.; owner, Louis Blake 462 22nd Ave.

REPAIR fire damage to flats, $825; 2273 California St.; owner, Catherine Bork, Premises; contractor, James B. McSheehy, 137 Clifford Terrace.

ALTER dwelling, $500; 2890 Vallejo; owner, P. Roberts, 1818 Baker St.

INSTALL angle braces, $95; 351 Montgomery St.; owner, Capital Co.; 625 Market St.; contractor, Patterson & Koster Iron Works, 280 13th St.

ALTER restaurant, $300; 779 Market; owner, Ellen Brodesoen, 1060 Pine St.; contractor, S. Gnore, 257 Peralta St.

ALTER dwelling, $150; 135 25th Ave.; owner, Mrs. M. G. Franklin, 1895 Jackson Street; architect W. W. Wurster, 260 California St.

ALTER dwelling, $400; NW 9th Ave. and Lake St.; owner, J. J. Masarie, 3 9th Ave.; contractor, Masarie & Cuneo, 2550 19th St.

ALTER public garage, $400; 650 Valencia; agents, Larsen & Larsen, 629 Bryant St.; contractor, Larsen & Larsen, 629 Bryant St.

ALAMEDA COUNTY UNDER $1000

SIGN, electric, $100; 1946 Franklin St., Oakland; owner, Rex Buffet; contractor, Imp. Elec. Sign Co., 2228 Myrtle St.

SIGN, electric, $150; 2085 Broadway, Oakland; owner, Radio Supply Co.; contractor, Getz Elec. Sign Co., 3140 E. 10th St., Oakland.

SIGN, electric, $150; 2327 San Pablo Ave., Oakland; owner, S. & K. Tavern; contractor, Ace Electric Sign Co., 1243 E. 12th St., Oakland.

SIGN, electric, $55; 3921 Grove Street, Oakland; owner, Viani & Greenwood; contractor, Radiant Neon Display, 2561 San Pablo Avenue, Oakland.

SIGN, electric, $350; 3460 E 14th St., Oakland; owner, Federal Drug Co.; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

SIGN, electric, $115; 461 15th Street, Oakland; owner, California Stelos Co.; contractor, Getz Elec. Sign Co., 3140 E. 10th St., Oakland.

SIGN, electric, $160; 2783 E. 12th St., Oakland; owner, Cochran & Celli; contractor, Getz Elec. Sign Co., 3140 E. 10th St., Oakland.

SIGN, electric, $100; 4096 Pidemont Ave., Oakland; owner, Piedmont Wine Store; contractor, Ace Elec. Sign Co., 1243 E. 12th St., Oakland.

ALTERATIONS, $300; 631 Haddon Rd. Oakland; owner, J. A. McKee, 631 Haddon Rd., Oakland; contractor, W. H. Anderson, 1014 Doris Court, Alameda.

BILLBOARD, $50; SE. Cor. 22nd and Chestnut Sts., Oakland; owner & contractor, Foster & Kleiser, 22nd and Market Sts., Oakland.

ALTERATIONS, $50; 915 Portal Ave., Oakland; owner, Prudential Insurance Co., 372 17th St., Oakland; contractor, E. W. Dahl, 2901 56th Ave., Oakland.

REPAIRS, fire, $250; 2809 8th Avenue, Oakland; owner, Cora B. Coomber, 2809 8th Ave., Oakland; contractor A. H. Rose, 478 25th St., Oakland.

REPAIRS, $50; 1752 Auseon Avenue, Oakland; owner, D. J. Meris, 1752 Auseon Ave., Oakland; contractor, Frank Stevenson, 1224 Derby St., Oakland.

ALTERATIONS, $95; 833 Harrison St. Oakland; owner and contractor, West Coast Life Ins. Co., 1725 Franklin St., Oakland.

ALTERATIONS, $456.00; 1210 Bonita, Berkeley; owner, J. B. Connors.

(1) 1 new 8-in. bench type ETAOINA

BILLBOARD, $25; SW Fourth St. and Broadway, Oakland; owner, Foster & Kleiser, 22nd and Market Sts.

ADDITION, $200; 2304 High St., Oakland; owner, Mrs. C. A. Watson, 2304 High St.

ADDITION and alterations, $575; 4700 Telegraph Ave., Oakland; owner, F. Goria; contractor, M. E. Valente, 5118 Clarke St.

ALTERATIONS, $375; 1752 7th St., Oakland; owner, M. Rhoback, Modesto Ave., Oakland.

FIRE repairs, $200; 362 35th St., Oakland; owner, Minnie Perkins, 362 35th St.; contractor, A. H. Rose, 478 25th St.

ALTERATIONS, $100; 1700 E-12th St., Oakland; owner, S. Friedman, 1700 E-12th St.

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BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Planned.

APARTMENTS Cost, $——
SAN FRANCISCO. NW Broadway and Laguna Street.
Ten-story apartment building.
Owner—Theodore Rulfs, 2090 Pacific Ave., San Francisco.
Architect—Not Selected.
Further details will be announced at a later date.

2— BONDS

BONDS SOLD

OAKLAND, Cal.—William Cavalier & Co., and R. W. Pressprich awarded a block of $204,000 City of Oakland Harbor Improvement Bonds by Oakland City Council April 12, at $204,358 bonds bearing a 2½% coupon rate. The money will finance construction of a new terminal warehouse at Outer Harbor, Oakland.

Following bids were received:
Weeden & Co., $204,037; 2½%.
E. H. Rollins & Sons, $204,378; 3½%.
Schwabacher & Co., $204,294; 3¼%.
Heller, Bruce & Co., $204,745; 2¾%.
American Trust Co., $204,588; 2¾%.

BONDS SOLD

SAN FRANCISCO—The Golden Gate Bridge and Highway District has sold a block of $2,000,000 bonds to the Bank of America Syndicate at a premium and interest rate that will net the district $1,980,696.

3— CHURCHES

Planned

ALTER CHURCH Cost, $——
SAN JOSE, Santa Clara Co., Calif. 34 Cleaves Avenue.
Alterations to church building (new auditorium, amusement hall, classrooms, etc.)
Owner—San Jose Branch of Church of Jesus Christ of Latter Day Saints.
Architect—Not Given.

4— FACTORIES & WAREHOUSES

Construction Started.

REMODEL BLDG. Cost, $——
PETALUMA, Sonoma Co., Cal. Western Avenue.
Remodel building for creamery (7500 sq. feet floor space), new creamery equipment, cooling system, etc.)
Owner — Petaluma Co - Operative Creamery, Petaluma.
Architect—Not Given.
Contractor—Walter Singleton, 501 4th St., Petaluma.

Planned.

ALTER BREWERY Cost, $——
VISALIA, Tulare Co., Cal. No. 118 South Church Street.
Alterations to brewery distribution agency.
Owner — Yosemite Brewery (E. Giometti, General Manager, Visalia plant).
Architect—Not Given.

COMMISSIOENED TO PREPARE PLANS

LONG BEACH, Los Angeles Co., Cal.—Architects Roger K. Nissen, 501 Termino Ave., and Wm. Kenneth Webb, 1235 E. 10th St., Long Beach, have been commissioned by the Long Beach Board of Education to prepare plans for the construction of a school shop and warehouse buildings at Pine Ave. and Willow St., Long Beach. Cost, $70,000.

Structural Steel Contract Awarded

ADDITION Cost, $10,000
FRESNO, Calif. G and Kern Streets.
Steel frame addition to packing plant (60x150 ft.) cement floors.
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Structural Steel—Gunn, Carle & Co., 20 Potrero Ave., San Francisco.
Work is being done by day's labor by owner's own forces.

Sub-Contracts Awarded.

BREWERY Cost, $——
SACRAMENTO, Sacramento Co., Cal. Eighteenth and R Streets.
One-story Class C reinforced concrete bottling house (80x160 feet).
Owner — Pacific Brewing & Malting Company.
Architect — A. A. Cantin, 557 Market St., San Francisco.
Engineer—Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Lumber — Sacramento Lumber Co., 12th and North B Sts., Sacramento
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Plumbing and Sheet Metal—Carpenter & Mendenhall, 907 Front St., Sacramento.
Roofing—Allyn Burr Roofing Co., 11th and R Sts., Sacramento.

To Ask Bids May 1st.

WAREHOUSES Cost, $——
STOCKTON, San Joaquin Co., Calif. Waterfront.
Three one-story heavy mill and brick warehouses (100x150 ft.) sprinkler system, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C Allin, Port Director, in charge), City Hall.

Planned

REMODEL PLANT Cost, $——
SALINAS. Monterey Co.. Cal. Summer Street.
Construct storage plant (20,000 gallon capacity).
Owner—Western Oil & Refining Co., 3124 E. 14th St., Oakland.
Plans by Engineering Dept. of Owner.

BIDS WANTED

EDIZ HOOK, Washington — Until May 11, bids will be received by U. S. Coast Guard, Washington, D. C., for the construction of structural steel and masonary seaplane hangar, approximately 120 by 100 feet with steel sliding doors at the front, two leanto extensions, each approximately 20 by 100 feet with concrete footings, foundations and floors, complete with modern improvements; a creosoted timber and pile seaplane ramp approximately 50 by 196 feet; dredging, concrete turning platform, runway ramps, apron and retaining walls, and accessories for the Coast Guard at Port Angeles Air Station, Ediz Hook, Washington.

Bids Opened.

FOUNDATIONS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Outer Harbor.
Concrete foundations fo Rosenberg warehouse (work involves driving 976 green piles, 31 to 35 feet in length; 680 cu. yds. concrete; 60 tons reinforcing steel).
Owner—City of Cakland Port Commission.
Plans by Engineering Dept. of Owner.
Contractor — Schuler & McDonald, 1723 Webster St., Oakland.
Following bids received:
(1) Work Complete;
(2) Piling per lin. ft.
(3) Concrete, per cu. yd.
(4) Rein. steel, per lb.

Schuler & McDonald, Oakland	(1)	$18,881.00
	(2)	.27
	(3)	7.95
	(4)	.0375
M. B. McGowan	(1)	20,853.00
	(2)	.12
	(2)	12.36
	(4)	.0315
Duncanson Harrelson, San Francisco	(1)	21,961.00
	(2)	.30
	(3)	11.00
	(4)	.045
W. E. Lyons, Oakland	(1)	27,000.00
	(2)	.335
	(3)	20.00
	(4)	.0425
MacDonald & Kahn, S. F.	(1)	27,564.00
	(2)	.35
	(3)	9.50
	(4)	.04
Healy Tibbitts Constr. Co., San Francisco	(1)	27,737.00
	(2)	.11
	(3)	10.00
	(4)	.038
Lindgren & Swinerton, San Francisco	(1)	27,770.00
	(2)	.44
	(3)	17.50
	(4)	.04
Ben C. Gerwick, S. F.	(1)	28,117.00
	(2)	.50
	(3)	16.00
	(4)	.05
Fredrickson and Watson Oakland	(1)	36,500.00
	(2)	.45
	(3)	14.00
	(4)	.045

Bids held under advisement.

BIDS WANTED

SAN FRANCISCO.—Until May 3, 2 P. M., bids will be received by Public Utilities Commission, Room 287, City Hall, for the construction of Mocassin Dormitory (H. H. W. S. Contract No. 147.) Work involves: concrete, brick work, miscellaneous iron, steel and metal work, carpentry, glass and glazing, cement finishing, painting, finish hardware, linoleum, plumbing and plumbing fixtures, electrical wiring and electrical fixtures.

Plans and specifications available from Room 609, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $10.00.

Prospective Bidders.
COTTON COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif.
Stockton Waterfront.
One-story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.
Owner—City of Stockton (Port Commission), City Hall, Stockton.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).
Following have procured plans. Bids open May 2, 5 P. M.
C. L. Wold, 4416 Fulton St., San Francisco.
Campbell Constr. Co., 800 R St, Sacramento
L. S. Peletz, 1660 W. Acacia Avenue, Stockton.
J. C. Nunley, 1735 W. Rose Street, Stockton.
Barrett & Hilp, 918 Harrison St., San Francisco.
MacDonald & Kahn, Finincial Center Bldg., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.
Dinwiddie Constr. Co., Crocker Bldg. San Francisco.
R. Steiner, 3324 Georgia St., Oakland
H. C. Reid & Co., 389 Clementina St., San Francisco.
O. H. Chain, 41 S. Sutter St., Stockton.
C. H. Dodd, 1738 W. Rose Street, Stockton.
John Hackman, Borden Highway, Stockton.
R. E. Campbell, 711 Central Building, Los Angeles.
Plans and specifications available from above office upon deposit of $50.

Steel Door Contract Awarded.
FACTORY Cost, $14,000
OAKLAND, Alameda Co., Cal.
One-story and basement frame and brick factory.
Owner—Cardinet Candy Company.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland.
Contractor — J. J. Moore, 354 Hobart St., Oakland.
Steel Doors—Acme Door Co., Oakland.
Other awards reported April 29.

Contract Awarded
ADDITION Cost, $——
EUREKA, Humboldt Co., Cal. Broadway.
Addition to brewery (work involves installation of seven new tanks of 350 bbl. capacity each, new mash tubs, hot water tanks, etc.)
Owner—Humboldt Malt & Brewing Co. Financial Center Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

BIDS WANTED
SAN FRANCISCO.—Until May 3, 2 P. M., bids will be received by Public Utilities Commission, Room 287, City Hall, for the construction of a machine shop building (Airport Contract No. 33).
Plans and specifications available from Room 609, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $10.00.

Sub-Contracts Awarded.
WAREHOUSE Cost, $18,000
VALLEJO, Solano Co., Cal. Pennsylvania and El Dorado Streets.
One-story reinforced concrete warehouse and garage building (Pabco roof, concrete floors, steel sash, steel trusses and plumbing fixtures).
Owner — Vallejo Electric Light & Power Co., Vallejo.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—James Bitcon, 628 Louisiana St., Vallejo.
Concrete—M. Moore, Vallejo.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Contract Awarded
WAREHOUSE Cost, $5500
SAN FRANCISCO. W Harrison Street 400 S. Fourth Street.
One-story reinforced concrete warehouse.
Owner—Frank Roccon, 356 8th St.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Avenue.

Contract Awarded.
BREWERY Cost, $——
SACRAMENTO, Sacramento Co., Cal. Eighteenth and R Streets.
One-story Class C reinforced concrete brewery (80x160 feet).
Owner — Pacific Brewing & Malting Co.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Engineer — Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Sub-bids will be taken in about one week.

Contract Awarded.
ALTER SHOP Cost, $2500
SAN FRANCISCO. No. 128 Perry Street.
Alterations to machine shop.
Owner — A. Madsen, 1440 15th Ave., San Francisco.
Architect—Not Given.
Contractor — D. W. Ross, 1440 15th Ave., San Francisco.

ROOFING CONTRACT AWARDED
SAN FRANCISCO — K. E. Parker Co., 135 South Park, awarded the roofing contract to C. L. Frost, Palo Alto, for the construction of a one-story steel frame and reinforced concrete pier shed, 111x574 feet, with 2 inch Redwood deck roof, plumbing and electrical work, wrecking of present wooden shed and shop, etc. Cost, $151,100.
As previously reported, steel sash and steel doors awarded to Soule Steel Co., 1750 Army St.; plumbing and heating to F. W. Snook, 596 Clay St.; sheet metal to Morrison & Co., 74 Duboce Ave.; laying railroad track to Fay Improvements Co., Phelan Bldg.,

PLANNED
ESCONDIDO, San Diego Co., Cal.—Escondido Leman Association is considering a plan to build an addition to the association's packing house in Escondido. It is believed a 50 per cent increase in capacity of the building will be needed.

BIDS OPENED
HUMBOLDT & DEL NORTE COS. Cal.—Frank Johnson, Arcata, at $8887 submitted low bid to Department of Public Works for the construction of maintenance station buildings in Humboldt and Del Norte Counties as follows:
One Standard truck shelter (Valley type, 30x60 feet) at Orick.
One Standard truck shelter (Valley type, 30x60 feet) at Klamath.
One Standard truck shelter (Valley type, 30x60 feet) at Crescent City.
Work includes excavation, concrete, masonry work, carpentry, mill work, sheet metal work, painting, glazing, plumbing and electrical installations.
Following bids received:
Frank Johnson, Arcata.....$ 8,887
Theo. Johanns, San Francisco.. 10,890
Fred J. Maurer & Son, Eureka 11,067
Pacific Truck Service, San Jose 11,350
Albert Siemer, San Anselmo..... 12,979
Halsby & Lax, Eureka..... 13,587
Bids held uder advisement.

Property Purchased
WINERY Cost, $125,000
LODI, San Joaquin Co., Calif. Tenacre site on traction line.
One-story co-operative winery (probably hollow tile construction; capacity of 10,000 tons of grapes.)
Owner—East Side Winery (E. J. Mettler, Herman L. Lange, Ed. Prezzler, J. R. Wiederich, A. Nies, J. Kurtz and Herman Vollbrecht, directors.)
Architect—To Be Selected.

To Be Done By Day's Work
WAREHOUSE Cost, $——
COLUSA, Colusa Co., Calif. Main St. between 9th and 10th.
One-story corrugated iron warehouse (100x300 ft.) concrete floors, capacity of 150,000 bags of barley, conveyor, etc.
Owner—Sacramento River Warehouse Co., Colusa.
Plans by Owners.
Work is being done by the owner's own forces.

5— FLATS

Contract Awarded
REPAIR FLATS Cost, $2000
SAN FRANCISCO. 2275 California St.
Repair fire damage to flats.
Owner—James & Blanche Wade, 2275 California Street.
Architect—Not Given.
Contractor—James McSheehy, 137 Clifford Terrace.

Plans Completed.
FLATS Cost, $10,000
SAN FRANCISCO. W Webster St. 75 S Jefferson St.
Two-story and basement frame and stucco flats (2 flats).
Owner and Builder — Ben Liebman, 5473 Geary St., San Francisco.
Architect—R. R. Irvine, 1849 Chestnut St., San Francisco.

6— GARAGES & SERVICE STATIONS

April 14, 1924
Concrete & Cement Contract Awarded
SERVICE STATION Cost, $3000
REDWOOD CITY, San Mateo Co., Cal. Bayshore Highway and Main St.
Construct new service station.
Owner—Standard Oil Co., 225 Bush St. San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Concrete and Cement—W. O. Tyson, 136 Grand, Redwood City.
Other awards reported April 11.

Contract Awarded.
ALTER SERVICE STATION $4000
EL PORTAL, Mariposa Co., Cal.
Alterations to service station (some new equipment).
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service, 646 Park Ave., San Jose.

Contract Awarded
STATION Cost, $10,000
GUSTINE, Merced Co., Calif. SE 5th St. and 1st Ave.
Super service station.
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Roy Kruger, Gustine.

Steel Building Contract Awarded.
ALTER SERVICE STATION $4000
SAN FRANCISCO. N Market St. opp. Valencia Street.
Alterations to service station.
Owner—F. M. Rowles, % Contractor.
Architect — F. E. Barton, Crocker Bldg., San Francisco.

Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Steel Building—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.

Contract Awarded.
SERVICE STATION Cost, $1,200
PLACERVILLE, Eldorado Co., Calif.
Service station (tire repair shop, greasing racks, etc.).
Owner—Richfield Oil Company.
Architect—Plans by Engineering Dept. of owner.
Lessee—Elbert Gray, Placerville.
Contractor—James Morton, Placerville.

CONTRACT AWARDED
SANTA BARBARA, Calif.—Andrew Jensen, 220 E. Figueroa Street, Santa Barbara, awarded contract for erection of a Mission style automobile service station at the NW corner of Sola and State Sts., Santa Barbara, for the General Petroleum Corp., 108 W. 2nd St., Los Angeles.

7—FEDERAL BUILDING

CONTRACT AWARDED
SEATTLE, Wash.—Patterson Bros., 2059 Webster St., Oakland, $18,490 awarded contract by Treasury Department, Washington, D. C., for painting plaster at the U. S. Federal Building, Seattle.

CONTRACT AWARDED
SEATTLE, Wash. — West Coast Painting Co., 322 Kulien Bldg., Seattle, at $3200 awarded contract by Treasury Department for painting the plaster in the U. S. Immigration Station, Seattle

BIDS WANTED
SAN FRANCISCO—Until April 20, bids will be received by the Procurement Division, Veterans' Administration, Washington, D. C., for one mortuary refrigerator, for San Francisco. Pro. 598-M.

Sub-Contracts Awarded.
SAN FRANCISCO — A Nelson, 242 Ocean Ave., awarded the following sub-contracts for the construction of a Marine Repair Shops Building with utilities at Fort Mason. Cost, $90,000:
Reinforcing Steel—Soule Steel Co., 1750 Army St.
Structural Steel — McClintic Marshall Co., 20th and Illinois Sts.
Sheet Metal—Morrison & Co., 74 Duhoce Avenue.
Painting—Patterson Bros., 2059 Webster Street.
Concrete—Bay Concrete Co., 365 Ocean Avenue.
Electric—Lynn & Heffernan, 114 Ashton Avenue.
Lumber—J. H. McCallum, 748 Bryant Street.
Plumbing—F. W. Snook, 596 Clay St.
Heating—George Rehn, 1919 Mission Street.
Steel Windows—Soule Steel Co., 1750 Army St.
Roofing—W. J. Anderson, 3825 Army Street.
Tile—A. Nelson, 242 Ocean Ave.
Carpentry—A. Nelson, 242 Ocean Ave.

Additional Prospective Bidders.
PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Wash., D. C., on April 25th for the construction of an extension to the storehouse at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7594:
Anchor Post Fence Co., 460 5th St., San Francisco.
American Factors, Matson Bldg., San Francisco.
Rolph Mills, 525 Market St., S. F.
Fire Protection Products Co., 1101 16th St., S. F.
Truscon Steel Co., Call Bldg., S. F.
Soule Steel Co., 1750 Army St., S. F.
Grinnell Company, 5th & Brannan Sts., S. F.
E. T. Thurston, 57 Post St., S. F.
Stuart Mannell, Arctic Bldg., Seattle, Wash.
Pacific Coast Steel Co., 20th and Illinois Sts., S. F.
Theo. H. Davies, Matson Bldg., S. F.
Forderer Cornice Works, 269 Potrero Ave., S. F.
George Hess, 434 S. Westmoreland, Los Angeles.
Pioneer Construction Co., Railway Exchange Building, Seattle, Wash.
H. S. Tittle, 85 Columbia Square, San Francisco.

SITE SELECTED
SAN FERNANDO, Los Angeles Co., Cal.—Treasury Department has selected property at the southeast corner of Celis St. and Maclay Ave., San Fernando, as the site for the United States post office to be erected in that city. The sum of $72,600 has been allocated for the project.

BIDS WANTED
ALCATRAZ ISLAND, Cal. — Until April 27, 10:30 A. M., bids will be received by J. A. Johnson, Warden, Alcatraz Island, Post Office Bldg., San Francisco, for the construction of three guard towers and walkways at Alcatraz. Bids are being received for wood frame buildings with an alternate proposal for steel frame and asbestos wood. Plans and specifications available at Alcatraz Island. No deposit required.

Planned.
IMMIGRATION STATION $1,000,000
SAN FRANCISCO.
Construct new immigration station.
Owner—United States Government.
Architect—Not Given.
Edward W. Cahill, San Francisco Commissioner of Immigration and Naturalization has been notified that if a site is selected by April 18, $1,000,000 will be appropriated for the proposed building. A committee comprised of the following has been appointed to select a sites: James B. McSheehy, George Fitch and Horace H. Allen.

MODEL CONTRACT AWARDED
SAN FRANCISCO — Anthony Di Lorenzo, New York City, awarded contract by Treasury Department April 11, at $6455, for plaseer models for the Federal Office Building under construction in San Francisco.

SITE BIDS WANTED
SAN FRANCISCO—Until May 1, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the sale or donation of a lot conveniently located and containing approximately 40,000 square feet with a frontage on a principal street of approximately 200 feet. Consideration will be given to both corner and interior lots. Cost of site not to exceed $100,000. Proposal blanks and circular avilable from District Engineer, Wm. Arthur Newman, 403 Post Office Bldg., San Frtncisco.

BIDS WANTED
SAN DIEGO, Cal.—Until April 19, 11 A. M., bids will be received by Public Works Officer, Eleventh Naval District, San Diego, for repairs to Magnesite floors at the Naval Operating Base (Marine Corps Base), San Diego. Spec. No. 7677. Work consists of cutting out approximately 12,000 square feet of old defective magnesite floor and replacement in part with new magnesite floor and the remainder with new cement topping or red color finish. Bidding data available from above office upon deposit of $10.

COMPLETE BID LISTING
CHILKOOT BARRACKS, Alaska.—As previously reported, West Coast Heating Co., 1924 Ninth St., Seattle, at $8285 submitted low bid to Ninth Corps Area, Presidio, San Francisco, for the removal of old boilers and the installation of new steam heating boilers in fifteen sets of Officers Quarters and double barracks buildings at Chilkoot Barracks.
Following bids received:
(1) complete installation;
(2) eliminate installation of 680 feet of boiler;
(3) do 1120 ft. do;
(4) do 840 ft. do;
(5) eliminate extra 689 ft. of boiler;
(6) do 1120 ft. do;
(7) do 840 ft. do.
(A) West Coast Heating Co., Inc., Seattle, $8,285.00.
(B) University Plumbing & Heating Co., Seattle, $8,750.00.
(C) J. A. Bulger Plb. & Htg. Co., Juneau, Alaska, $9,017.00.
(D) M. J. Reeves Heating Co., San Francisco, $9,030.00.
(E) Herman Lawson, San Francisco, $9,577.00.
(F) Bergh-Griggs Co., Tacoma, $9,924.00.
(G) Wenzler & Ward, Inc. Seattle, $10-779.00
(H) James H. Pinkerton, San Francisco, $11,846.00.
(I) Frederick W. Snook, San Francisco $12,690.00.
(J) Rice & Ahler Co., Juneau, Alaska, $14,999.00.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(A)	$8,285	$230	$420	$402	$190	$385	$360
(B)	8,750	223	400	378	195	372	352
(C)	9,017	260	476	445	204	416	385
(D)	9,030	322	554	403	226	455	425
(E)	9,577	310	470	450	175	340	330
(F)	9,924	200	465	442	190	370	347
(G)	10,779	475	566	502	295	434	371
(H)	11,864	312	533	502	211	425	398
(I)	12,690	90	165	145	300	380	355
(J)	14,999	270	447	425	170	347	325

PLANNED
SAN DIEGO, Calif.—Neval Department has recommended to the Public Works Administration the allocation of funds for improvements at the San Diego naval base. New construction would include land plane hangars to cost $350,000; several small storage buildings near the foot of Broadway, $48,000; general storehouse, $300,000; aircraft storehouse, $140,000; new mess hall and galley, $225,000 and a fleet school, $120,000.

CONTRACT AWARDED
FORT PECK, Montana—Madsen Construction Co., 618 National Bldg., Minneapolis, Minnesota, at $1,453,790 awarded contract by the U. S. Engineer Office, Kansas City, for construction of 388 miscellaneous buildings at the Fort Peck dam site.

CONTRACT AWARDED
SEATTLE, Wash. — West Coast Painting Co., Inc., 322 Kulien Building, Seattle, at $3,200 awarded contract by Treasury Department for painting the plaster in the U. S. Federal Building, Seattle.

Sub-Contracts To Be Awarded.
HAMILTON FIELD, Marin Co., Cal. —Meyer Constr. Co., 727 Portola Drive, San Francisco, will award the following sub-contracts for the construction of nine one-story bungalow type, hollow tile company officers' quarters at Hamilton Field. Cost, $88,045.
Grading—Robert A. Farish, 14 Pinehurst Way, San Francisco.
Concrete—Basalt Rock Co., 900 8th St., Napa.
Reinforcing Steel and Steel Windows—Soule Steel Co., 1750 Army St., San Francisco.
Other awards will be made shortly.

BIDS WANTED

WESTERN STATES—Custodians of the post offices in the following cities are receiving bids for surveying the sites for proposed post office buildings:
Winslow, Arizona;
Alamoso, Colorado;
Walsenburg, Colorado;
Torrance, California.

8— CLUB BUILDINGS

Planned.

CLUB HOUSE Cost, $2500
ALAMEDA, Alameda Co., Cal. Yacht Harbor.
Frame and stucco club house (Spanish style) tile roof, etc.
Owner—Aeolian Yacht Club (William Ritter, club commodore), Alameda
Architect—Not Given.

ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Calif. 431 19th Street.
Alterations to club.
Owner—Club New Yorker, 431 19th St., Oakland.
Architect—F. H. Slocombe, 131 Monte Cresta Ave., Oakland.
Carpentry—Glenn Bunker, 953 Ordway, Berkeley.
Awards on other portions of the work will be made within a few days.

Additional Sub-Contracts Awarded.

CLUB HOUSE Cost, $——
MENLO PARK, Sant Mateo Co., Cal.
One-story frame and stucco club house (tile roof).
Owner—Menlo Circus Club.
Architect — G. Albert Lansburgh, 140 Montgomery St., San Francisco.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Lathing & Plastering—Ira T. Bridges, 654 Oberlin St., Palo Alto.
Tile and Composition Roofing—C. L. Frost, 2286 El Camino Real, Palo Alto.
Sheet Metal — Redwoood City Sheet Metal Works, 502 Arguella St., Redwood City.
Glass and Glazing—Acme Glass Co., 851 Alma St., Palo Alto.
Other awards reported April 2.

PLANNED

SANTA BARBARA, Cal.—City Club is negotiating for the purchase of a site at the southwest corner of Sola and Garden Sts., Santa Barbara, where the construction of a club building is proposed. No definite time has been fixed for starting construction.

9— HOSPITALS

Additional Sub-Contracts Awarded

HOSPITAL Cont. Price, $55,300
REDDING, Shasta Co., Cal.
Two-story reinforced concrete hospital (24x36 ft.) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Dumb Waiters—Vincent Whitney Co., 130 10th St., San Francisco.
Incinerator — Kerner Incinerator Co., 450 Clementina St., San Francisco
Brick Work—White & Gloor, Monadnock Bldg., San Francisco.
Window Screens and Metal Trim — Forderer Cornice Works, 269 Potrero Ave., San Francisco.
Floor Treatment—Horn Products Co., 55 Federal St., San Francisco.
Concrete Testing—Smith, Emery Co., 651 Howard St., San Francisco.
Other awards previously reported.

CONTRACT AWARDED

FORT STANTON, N. M.—A. Smith & Co., Chicago, awarded contract by Treasury Department, at $260, for one metal smoke stack for the United States Marine Hospital, Fort Stanton, New Mexico.

LOW BIDDERS

SAN FRANCISCO—Frank J. Reilly, 6350 Fulton St., at $10,230 submitted low bid to the Treasury Department, Washington, D. C., for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco. Second low bid was submitted by R. S. Silverburg, San Francisco, at $10,-348.
Complete bids will be published shortly.

LOW BIDDER

AGNEW, Santa Clara Co., Calif.—Westinghouse Electric Elevator Co., 166 7th St., San Francisco, at $1,530 submitted low bid to State Purchasing Department for mechanical and electrical work in passenger elevator in Wards Nos. 1 and 2.

COMPLETING PLANS

SAN DIEGO, Cal.—Architect Frank L. Hope, Jr., Commonwealth Building, San Diego, is completing plans for a hydrotherapy pool to be constructed at 850 S. 36th St., San Diego, for the San Diego Society for Crippled Children. Estimated cost of the pool is $20,000. It is expected that construction will be under way shortly.

12— POWER PLANTS

PLANNED

IMPERIAL, Cal.—Imperial Irrigation District will build an electric power plant at Imperial or Brawley, the site to be determined later, at a cost of $400,000. It is understood Diesel engines will be used to generate power.
M. J. Dowd is chief engineer of the district.

COMPLETE BIDS

SAN DIEGO COUNTY, Cal.—Lambs Transfer Co., 828 Cowles St., Long Beach, at $1.57 per barrel, total $6,-217.20, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, Union Bldg., San Diego, for treating with fuel oil about 28.2 miles of State Highway in San Diego County between Descanso and Morettis. The work requires 3960 barrels of fuel oil. Complete bids follow:
Lambs Transfer Co., barrel, $1.57; total, $6,217.20.
Square Oil Co., $1.59; $6,296.40.
Gilmore Oil Co., $1.615; $6,395.40.
Paulsen & March, $1.63; $6,454.80.
Reese F. Morgan, $1.72; $6,811.20.
R. E. Hazard Contr. Co., $1.84; $7,-286.40.
C. W. Wood and Leonard C. Pulley, $1.88; $7,444.80.
Pacific Tank Lines, $2.35; $9,306.00.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Being Prepared.

ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal.
Reconstruct heating and ventilating system in Municipal Auditorium.
Owner—City of Oakland.
Plans by Walter Nottingham, % City Manager, City Hall, Oakland.
Work will be done by day's labor under the CWA.

Commissioned To Prepare Plans

REMODELING Cost, $——
OAKLAND, Alameda Co., Calif. City Hall.
Remodel heating and ventilating system in City Hall.
Owner—City of Oakland.
Engineer—Paul R. Babcock, 328 24th St., Oakland.
Work will be done by day's labor under CWA Project No. 1030X.

Sub-Contracts Awarded.

MEMORIAL Cont. Price, $52,432
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; clubrooms, etc.; tile and composition roofing, hot air heating system, hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., San Francisco.
Structural Steel—Golden Gate Iron Works, 1541 Howard St., San Francisco.
As previously reported, grading awarded to L. C. Karstedt, Box 844, Watsonville.

Plans Being Completed.

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Sts.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Bids will be asked about May 1.

BONDS SOLD

OAKLAND, Cal.—County of Alameda sold bonds in the amount of $1,-712,000 to Harris Trust and Savings Bank of Chicago. Funds are to finance construction of the Alameda County Courthouse on 12th and Fallon Sts., Oakland. Plans will be prepared by W. E. Schirmer, James R. Plachek, Carl Werner, W. J. Corlett and H. A. Minton. *

BIDS WANTED

SAN FRANCISCO.— Until April 25, 1:45 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works City Hall, for iron grilles in the Civic Auditorium. Estimated cost under $1,-000. *

14— RESIDENCES

Contract Awarded

RESIDENCE Cost, $5500
SAN FRANCISCO. E 24th Avenue 40 S. Ocean Avenue.
One - story and basement frame and stucco residence.
Owner—Alvine E. and Emily J. Hagen 144 Beaver Street.
Architect—Not Given.
Contractor—Leslie C. Dawe, 449 Coventry Road, Berkeley.

Contract Awarded

RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. 940 Delaware Street.
One-story frame and stucco residence (10 rooms).
Owner—E. Lakso, 934 Delaware St., Berkeley.
Architect—Not Given.
Contractor—G. Johanson, 1357 Northraid Ave., Berkeley.

To Be Done By Day's Work

RESIDENCE Cost, $6127
OAKLAND, Alameda Co., Calif. 2901 75th Avenue.

Two - story and basement frame and stucco residence (7 rooms).
Owner and Builder—C. R. Lyon, 1058 75th Ave., Oakland.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $9000
OAKLAND, Alameda Co., Cal. No. 21 Agnes Street.
Two-story frame and stucco residence (7 rooms).
Owner—Karl J. Weber, 1737 34th Ave., Oakland.
Architect—Not Given.
Contractor—Henry W. Arnold, 816 Oak St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. No. 90 Quail Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—Wm. M. Pierson, 190 Poplar St., Berkeley.
Architect—Ray Keefer, 770 Wesley St., Oakland.
Contractor—Edward Larmer, 90 Fairview Ave., Piedmont.

Sub-Contracts Awarded
RESIDENCE Cost, $4000
BURLINGAME, San Mateo Co., Calif. Bayswater Avenue.
One-story frame and stucco residence.
Owner—H. P. Olsen, 1206 Floribunda, Burlingame.
Architect—Not Given.
Contractor—M. Sorensen, 118 Bancroft Road, Burlingame.
Plumbing—Harry Olsen, 1206 Floribunda, Burlingame.
Plastering—Geary Leth, Burlingame.
Electric Wiring—Alexander Elec. Co., 1112 Capuchino Ave., Burlingame.
Oak Floors—Haller Floor Co., 1506 Floribunda, Burlingame.
Tile Work—Benetti Tile Co., 916 No. Humboldt St., San Mateo.
Foundation Materials — Cahalan Co., Bayswater and R. R., Burlingame.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
LAFAYETTE, Contra Costa Co., Cal.
One and one-half-story frame and stucco residence.
Owner—L. L. Gummow.
Architect—Not Given.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.
Lumber—Lafayette Lumber Co., Lafayette.
Electric—Kerr & Clifford, 3525 E-14th St., Oakland.
Sub-bids are being taken on other portions of the work.

To Be Done By Day's Work
RESIDENCE Cost, $12,000
PALO ALTO, Santa Clara Co., Calif. 1726 Fulton Street.
Two - story and basement frame and brick veneer residence.
Owner and Builder—W. F. Klay, 124 University Ave., Palo Alto.
Architect—Not Given.

Estimates Being Taken
RESIDENCE Cost, $7500
BERKELEY, Alameda Co., Cal. Holabird and Garber Streets.
Two-story and basement brick veneer and rustic residence (9 rooms and 3 baths) shingle roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Ray Vandervoort.
Architect—E. L. Snyder, 3101 Shattuck Ave., Berkeley.
Estimates are being received from two contractors.

Plans Being Prepared.
ALTER RESIDENCE Cost, $1200
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—Withheld.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.

Sub Bids Being Taken.....
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal No. 4016 Oakmore Road.
Two-story and basement frame and stucco residence (6 rooms).
Owner—Mr. Parker, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Contractor—A. H. Monez. 4350 Bridgeview Drive. Oakland.
Sub bids are wanted on brick work, sheet metal, wiring, floors, and tile work.

Plans Being Completed.
RESIDENCE Cost, $8000
BERKELEY, Alameda Co., Cal. Acacia Avenue.
Two-story frame and stucco residence (6 roome and 2 baths); shade roof, gas heating system, steel sash, tiled baths, hardwood floors, electric refrigeration, brick work, etc.
Owner and Builder — Henry McKallor, 2231 E-39th St., Oakland.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Sub-bids will be taken in one week.

CONSTRUCTION STARTED
SANTA BARBARA, Calif.—Andrew Jensen, 220 E. Figueroa Street, Santa Barbara, has started work on erection of a $15,000 residence on La Vereda Rd., Santa Barbara for Moncure Deardorf.

Contract Awarded
ALTER RESIDENCE Cost, $2231
SAN FRANCISCO, 2835 Larkin Street.
Alterations to additions to two-story frame residence.
Owner—Arthur and Jennabell Wristen 2835 Larkin Street.
Architect—Not Given.
Contractor—Albin C. Lindgren, 346 Lowell Street.

Contract Awarded.
RESIDENCE Cost, $——
STOCKTON, San Joaquin Co., Cal. Kensington Way near Legion Park
One-story and basement frame and stucco residence (5 rooms).
Owner—Karl Ross Post, Stockton.
Architect—Clowdsley & Sala, 2130 N. Commerce St., Stockton.
Contractor — S. C. Giles, 121 Knoles Way, Stockton.

Contract Awarded.
RESIDENCES Cost, $——
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two one-story frame and stucco residences.
Owner—F. Hilthon.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Contractor—Flener & Griffin, 1921 26th Ave., Oakland.

To Be Done By Day's Work.
ALTER RESIDENCE Cost, $2500
PALO ALTO, Santa Clara Co., Cal. No. 846 Lytton Avenue.
Alterations and additions to frame residence.
Owner—J. B. Wells, 846 Lytton Ave., Palo Alto.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $5000
SACRAMENTO, Sacramento Co., Cal. No. 845 Thirty-third Street.
Two-story frame and stucco residence.
Owner—Mervyn F. Stone, 845 33rd St., Sacramento.
Architect—Not Given.
Contractor—Lund & Swing, Premises.

Preparing Preliminary Plans.
RESIDENCE Cost, $8000
HEALDSBURG, Sonoma Co., Cal. Five miles south of Healdsburg on Russian River Road.
One-story and basement frame and brick veneer residence (6 rooms, two baths); asbestos slate roof, oil heating system, tiled baths, hardwood floors.
Owner—Warren Jones.
Architect—John Easterly, 302 Grant St., Healdsburg.
Bids will not be asked for about sixty days.

Construction To Start Shortly.
RESIDENCES Cost, $40,000
SAN CARLOS, San Mateo Co., Cal. Bell J. Brittan Tract, Cedar St. to Alameda de las Pulgas.
Construction of group of residences (work will involve street work, sewers, water and gas mains, etc.)
Owner—Withheld.
Architect—Not Given.
Agent—Merritt R. Hosmer, San Carlos
Manager of Constr.—John W. Rutherdale, Phelps Road, San Carlos.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3130 Claremont Avenue.
Two-story frame and stucco residence.
Owner and Builder — Huffschmidt & Whalen, 337 17th St., Oakland.
Architect—Chester Treichel, 670 Haddon Road, Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4016 Oakmore Road.
Two-story and basement frame and stucco residence (6 rooms).
Owner—Mr. Parker, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Contractor—A. H. Monez, 4350 Bridgeview Drive, Oakland.

Preparing Preliminary Plans.
ALTER RESIDENCE.... Cost, $1000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Interior alterations to frame residence
Owner—Withheld.
Architect—Guy L. Brown, American Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 2612 Parker Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—C. Szuch, 2608 Parker Ave., Oakland.
Architect—Not Given.
Contractor — Ole Meon, 4201 E-16th St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3130 Claremont Avenue.
Two-story frame and stucco residence.
Owner and Builder — Huffschmidt & Whalen, 337 17th St., Oakland.
Architect—Chester Treichel, 670 Haddon Road, Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Plumbing—P. Rouse, 978 Apgar St., Oakland.
Concrete—Spott Electric Co., 569 Ninth St., Oakland.
Fixtures—Voorhees & Maschio, 4121 Broadway, Oakland.
Brick—Carl Hummer, 2221 34th Ave., Oakland.
Hardware — Maxwell Hardware Co., 14th and Washington Sts., Oakland.

Contract Awarded.
RESIDENCE Cost, $4,500
SAN JOSE, Santa Clara Co., Calif. 722 N. Third Street.

One-story & basement frame and stucco residence (5 rooms).
Owner—Salvatore Messina, 87 Grant Street, San Jose.
Architect—Not given.
Contractor—Frank Paiva, 1355 Alviso Street, Santa Clara.

Contract Awarded.
ALTER RESIDENCE Cost, $2000
SAN FRANCISCO. No. 63-67 Clara St.
Alterations to frame residence.
Owner—Margaret Walsh, 67 Clara St., San Francisco.
Architect—Not Given.
Contractor—J. J. Irwin, 1040 Oak St., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
SACRAMENTO, Sacramento Co., Cal. 510 Pico Way.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—C. C. Ruby, 4800 T St., Sacramento.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. No. 450 Fifty-seventh Street.
One-story and basement frame and stucco residence (6 rooms).
Owner—W. Brandi, 441 51st St., Oakland.
Architect—Not Given.
Contractor—John Cisero, 474 42nd St., Oakland

Sub Contracts Awarded
ALTERATIONS Cost, $11,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Alterations and additions to two-story frame and stucco residence.
Owner—Frank Atkins, Campus Theatre, Berkeley.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Federsen, 3443 Adeline St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Plumbing—Carl T. Doell, 467 21st St., Oakland.

Prospective Bidders
RESIDENCES Cost, $125,000
BONNEVILLE, Ore. Columbia River.
Twenty 2-story and basement frame and stucco residences (3 and 4 bed room houses) warm air heating system (to be furnished by the government) tile baths and kitchen, metal lath.
Owner—United States Government.
Plans by U. S. Engineer's Office, Portland.
Following have procured plans. Bids open April 25, 3 P. M.:

General Contractors

Allyn & Powers, 334 Worcester Bldg.
Hoffman Const. Co., 715 SW. Columbia Street.
Charles F. Johnson, 3035 Pacific St.
Robertson, Hay & Wallace, 1815 SW. Grand Avenue.
Geo. Waale Co., 329 SW. Oak.
A. L. Anderson, 2013 NE. Fremont.
E. Lindquist & Son.
Chas. W. Ertz Co., 222 Pittock Blk.
Ross B. Hammond, Inc., 1002 Spalding Bldg.
Reliance Const. Co., 201 Columbia Building.
Guy F. Atkinson Co., Porter Bldg.
Drake, Wyman & Voss, Inc., U. S. National Bank Bldg.
Parker-Schram Co., 515 Couch Bldg.
West Coast Const. Co., Lloyd Bldg., Seattle.
Pioneer Const. Co., 405 Railway Exchange Bldg., Seattle.
Hart & Hart, 308 Woodlark Bldg., Portland.

Sub-Contractors

Chamberlain Metal Weather Strip Co., 821 SW Oak St.
E. Rudy, 434 SW. 2nd Ave.
W. P. Fuller & Co., 700 SW Front.
Kohler Co., Seattle branch 1000 Mercer St., Seattle.
C. R. Back, trustee, Westinghouse Elec. Supply Co.
Fobes Supply Co., 134 NW. 8th Ave.
Marshall Wells Hardware Co., 1420 NW. Lovejoy.
J. L. Austin Sheet Metal Works, 417 SE. Alder St.
Bidders of Portland unless otherwise noted.
Plans and specifications are on file in the office of the Daily Pacific Builder and in the office of the U. S. Engineer's office, 414 Custom House, San Francisco, and may be inspected by those interested. Residences will be constructed on the reservation of the Bonneville Dam, Columbia River.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 1901 Clemens Road.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given.

PLANS BEING COMPLETED
PALM SPRINGS, Riverside Co., Cal. —Architect Earl T. Heitschmidt, Palm Springs, is preparing plans for the Monterey style residence for Mrs. Katherine Seamon of Del Monte, estimated to cost $16,000. Also a residence for Mrs. Anna C. Wetzel of San Diego, Spanish style, to cost $20,000, and a residence for E. Claypool Vajen of San Diego, to cost $12,000. Plans will be completed in three or four weeks and further information available from the Architect.

15— SCHOOLS

Bond Election
SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Calif.
One-story elementary school building (6 classrooms).
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Building, Sacramento.
An election is being held on May 7th at which time bonds in the amount of $33,000 will be voted to finance construction.

BIDS OPENED
SCHOOL Cost, $164,000
NORTH SACRAMENTO, Sacramento County, Cal.
Two-story brick high school building (12 classroom s and gymnasium) tile roof, steam heating system, wood floors, etc.
Owner — Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder—Azevedo & Sarmento, 920 O St., Sacramento.
Complete bids follow
(1) School Building; (2) add for auditorium; (3) total bid.

Azevedo & Sarmento	(1)	$134,000
	(2)	29,000
	(3)	163,000
Campbell Constr. Co.	(1)	135,945
	(2)	27,572
	(3)	163,517
Betz & Yoho	(1)	142,922
	(2)	32,000
	(3)	174,922
Wm. C. Keating	(1)	144,000
	(2)	32,600
	(3)	176,600

Three low bids held under advisement.

PLANNED
GRIDLEY, Butte Co., Calif.—Gridley School District has requested State Department of Education to make a thorough inspection of the McKinley School and make recommendations as to repairs and necessary improvements. George Sellon, California State Life Building, Sacramento, architect.

PREPARING PLANS
SANTA ANA, Orange Co., Calif.—State Board of Public Building Reconstruction has approved the architectural contract of Architect F. H. Eley, 109 Orange Ave., Santa Ana, and the Santa Ana board of education for rebuilding and repairing elementary schools in Santa Ana. Plans are now on the boards for rebuilding the Spurgeon school, estimated to cost $75,000 and for rehabilitating Edison school, to cost $50,000.

PLANS BEING FIGURED
LOS ANGELES, Cal.—Architects M. L. Baker and G. L. Ott, 346½ S. La Brea Ave., are taking bids for the construction of a two-story, 34-room high school building at 7011 S. Hoover St., for Missionary Society of Our Lady of Mount Carmel of Carmelite Order of New York. Laurence J. Waller is the structural engineer. The building will cover an area of 60x232 feet and will be of reinforced concrete construction, steel stud and stucco exterior, Mission tile roofing, ornamental iron, steel sash, wood shutters, gunite work, reinforced concrete corridors, floors and stails, tile toilets and showers, marble toilet and shower partitions, steel lockers, slate blackboards metal lath, acoustical and hardwall plaster, structural steel, kitchen equipment, metal-clad doors, flagstone paving, etc. The folowing conntractors will submit bids April 27. Cost, $100,000:
W. W. Petley, 354 21st St., Santa Monica; Harman-Pacific Co., 422 E. 3rd St.,; B. D. Kronnick Co., 3623 Avalon Blvd.; Wurster Const. Co., 890 E. 59th St.; McDonald & Driver, 111 W. 7th St.; Harmon & Co., 2210 Hyperion; Robert Millsap, 803 Pacific National Bldg.; R. J. Chute, 4924 11th Ave., B. L. Lavender. 624 Ocampo Drive, Pacific Fallsades.

Plastering Contract Awarded.
REPAIR SCHOOL Cont. Price, $6830
SAN FRANCISCO. Broadway between Montgomery and Sansome Sts.
Repairs to Washington Irving School.
Owner—City and County of San Francisco.
Engineer — —H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—O. Monson, 475 Sixth St., San Francisco.
Plastering—Leonard Bosch, 290 Tehama St., San Francisco.
As previously reported, structural steel contract awarded to Judson-Pacific Co., 609 Mission St.

CONTRACT AWARDED
SAN FRANCISCO—Empire Roofing Co., 261 Silver Ave., at $213 awarded contract by Department of Public Works for covering roof of the Paul Revere School Annex, Andover Street and Cortland Ave.

Final Plans Approved.
REPAIR SCHOOL Cost, $35,850
SAN FRANCISCO.
Repair and reconstruction of Adams Elementary school.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St., San Francisco.
Bids will be asked shortly.

PREPARING PRELIMINARY PLANS
SANTA ANA, Orange Co., Cal.—State Board of Public Building Reconstruction has approved architectural contract of Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, and Santa Ana Board of Education for reconstruction, rehabilitation and strengthening of buildings at the

Santa Ana High School and Junior College site in Santa Ana. Cost, $448,000. Preliminary plans being prepared.

Plans Complete

REPAIR SCHOOL Cost, $69,400
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Plans will be forwarded to Sacramento for approval within a few days.

PREPARING PLANS

RIVERA, Los Angeles Co., Cal.—The State Board of Public Building Reconstruction has approved the architectural contract of Architect Herbert E. Mackie and Engineer John Patton Perrine, Western Pacific Bldg., Los Angeles, and the Rivera School District for the reconstruction, rehabilitation and strengthening of the Rivera School. Working drawings 50 per cent complete.

Preparing Preliminary Plans.

REPAIR SCHOOL Cost, $60,000
SAN FRANCISCO. 12th Avenue and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.

FIRE LOSS

FORESTVILLE, Sonoma Co., Cal.—Fire destroyed the Forestville School April 10. Building was a frame structure and damage is estimated at $15,000. Insurance in the amount of $9,000 was carried.

Plans Being Figured—Bids Close Apr. 25, 2:30 P. M.

REPAIR SCHOOL Cost, $50,000
SAN FRANCISCO. Jackson Street bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
School consists of 2 abutting buildings, both three stories in height. The northerly building is steel frame, brick exterior walls, concrete floors with timber roof and second floor ceiling supported on steel frame. All interior columns are encased in concrete fireproofing and all columns in exterior walls are encased in brick. Partitions are of hollow terra cotta tile. Ceilings are plastered on metal lath, on metal channels in the ground and first story and on metal lath on wood ceiling joists on second story.
The southerly building has a reinforced concrete frame and floors, brick exterior walls with timber roof and second floor ceilings supported on concrete frame. Partitions are in some cases plastered in metal lath on metal or wood studs and in some cases of hollow terra cotta tile. Ceilings are plastered on metal lath on metal channels.
The General Contract includes installation of certain concrete cross and division walls in the ground story, first story and second story of each building; the bricking in of two windows in the walls of the ground story of the northerly building; reconstruction of certain portions of the roof of the northerly building; the installation of structural steel beams, struts and braces; the cleaning and rustproofing of corroded steel channels of the parapet walls of the northerly building; the installation of metal stud and lath and plaster partitions and the reconstruction of the parapet walls of both buildings.
Plans and specifications available from S. J. Hester, Chief Deputy Director, Department of Public Works, upon deposit of $20. Bond $12,500; $25 fine for each day work is uncompleted after specified time.

Bonds Voted.

SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms, and assembly hall).
Owner — South San Francisco High School District.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame.
Working drawings will be started shortly.

Contract Awarded

REPAIR SCHOOL Cont. Price, $12,750
SAN FRANCISCO. Filbert Street bet. Jones and Taylor.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Contractor—Harry J. Oser, Hobart Building.

BOND ELECTION

DELANO, Kern Co., Calif.—Delano Union School District will hold an election May 7 at which time bonds in the amount of $46,000 will be voted to finance construction of an auditorium building at the Delano Grammar School. Architect E. J. Symmes, Haberfelde Bldg., Bakersfield, architect.

BOND ELECTION

ANAHEIM, Orange Co., Cal.—Petitions are being circulated in Anaheim asking the Anaheim Union High School District Trustees to call a special election May 15 for the purpose of submitting a $275,000 bond issue for a permanent building to replace temporary quarters now in use. The proposed building would contain a library, auditorium, study hall, administration offices and 16 classrooms. A similar proposal was defeated at an election held last December 18. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects.

PLANS COMPLETED

HUNTINGTON BEACH, Orange Co., Cal.—The State Board of Public Building Reconstruction has approved architectural contract of Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, and the Huntington Beach Elementary School District for the erection of a two-story Class A steel and reinforced concrete school building at the Huntington Beach Elementary School site. The building will be 267x162 feet in area, containing 31 classrooms and auditorium to seat 500 persons; composition roofing, steam heating, ventilating system, concrete floors, wood sash, etc. Cost, $200,000. Working drawings have been completed and are being checked by the State Architect.

BOND ELECTION

SCHOOL Cost, $10,000
LOWER LAKE, Lake Co., Calif.
One-story brick grammar school bldg. (3 classrooms), tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
An election will be held April 30 to vote bonds in the amount of $10,000 to finance construction. Preliminary plans are being prepared.

BOND ELECTION

SALT LAKE CITY, Utah.—An election will be held April 24 (date postponed from April 10) by the Granite School District at which time bonds in the amount of $470,000 will be voted to finance construction of improvements and additions to school buildings in the Granite School District.

BOND ELECTION PLANNED.

TAHOE CITY, Placer Co., Calif.—Lake Tahoe School District will hold an election shortly to vote bonds in the amount of $15,000 to finance construction of a new grammar school in Tahoe City. Mrs. Portia Moss, Supt. of Placer County Schools.

Preparing Plans

ADDITION Cost, $300,000
LOS ANGELES, Cal. Campus of the University of California.
Three-story and basement steel frame, concrete and brick wing addition to chemistry building (concrete floors and stairs, brick exterior, terra cotta tile roof, orn. terra cotta, steel windows, metal lathing and furring, dampproofing, marble, tile, hollow metal doors, slate blackboards, ventilating, high and low pressure steam heating system, piping, etc.
Owner—University of California at Los Angeles.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Engineers—Hunter & Hudson, 41 Sutter St., San Francisco.
Plans will be ready for blds in about sixty days.

Plans Being Prepared

ADDITION Cost, $35,000
BAKERSFIELD, Kern Co., Calif.
Two-classroom addition to Longfellow School, Jefferson School and Roosevelt School.
Owner—Bakersfield City School Dist.
Architect—Chas. H. Biggar and Edwin J. Symmes, Haberfelde Building, Bakersfield.

PREPARING PLANS

LYNWOOD, Los Angeles Co., Calif.—State Board of Public Building Reconstruction has approved the architectural contract of Architects Marsh, Smith and Powell, 816 W. 5th St., Los Angeles, and the Lynwood Elementary School District for reconstruction, rehabilitation and strengthening buildings at the following school sites: George Washington, Theodore Roosevelt, Abraham Lincoln, Woodrow Wilson and Chas. A. Lindberg. Cost $200,000. Preliminary sketches are being completed.

PREPARING PLANS

LOS ANGELES, Calif. — California State Board of Public Building Reconstruction has approved the architectural contract of Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, and the Norwalk School District for the erection of an auditorium building and classroom unit at the Norwalk elementary school site. Preliminary plans are being completed for the auditorium building to be of Class B construction, with a seating capacity of 800 persons. Working drawings are being prepared for the classroom building, to be of Class C construction, containing 7 classrooms, 5 special rooms, administration suite, concrete walls, wood floors, etc. Cost, $160,000.

PREPARING PLANS

LONG BEACH, Cal.—Architect Wm. K. Webb, 1239 E. Tenth St., Long Beach, is preparing working drawings

for repairing and rehabilitating the Starr King school for the Long Beach board of education. Construction will be wood frame, stucco exterior, composition roofing, concrete corridors, maple floors, steam heating, etc.

PREPARING PLANS

LONG BEACH, Cal.—Architect Jas. R. Friend, 210 Laughlin Bldg., Long Beach, is preparing working drawings for a school building to be built on the U. S. Grant school site for the Long Beach board of education. It will contain 17 classrooms, library and administration offices. Construction will be wood frame, stucco exterior, salvaged shingle tile roofing, concrete corridors, maple floors, steam heating.

PREPARING PLANS

LONG BEACH, Cal.—Architect Geo. D. Riddle, 2826 Cedar Avenue, Long Beach, is preparing working drawings for the Franklin junior high school to be built at the corner of Orange Ave. and 6th St., Long Beach, for the Long Beach board of education. The completed group will consist of four buildings. Construction will be of steel frame, gunite walls, composition roofing, concrete corridors and stairs, maple floors, steam heating, etc.

COMPLETING PLANS

COSTA MESA, Orange Co., Calif.—California State Board of Public Bldg. Reconstruction has approved architectural contract of Architect and Engineer Herbert E. Mackie and John P. Perrine, Western Uacific Building, Los Angeles, and Costa Mesa school district for reconstruction, rehabilitation and strengthening the auditorium building, main school and a classroom unit at the Costa Mesa school. Cost, $70,000. Working drawings are about 50% complete.

Preparing Working Drawings

SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two class rooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—Geo. P. Simonds Hayward.
Bids will be asked in about 4 weeks.

BOND ELECTION

SAN MARINO, Los Angeles Co., Cal. —San Marino city school district will hold an election May 8 at which time it is proposed to vote bonds in the sum of $85,000 to provide money for the rehabilitation of San Marino grammar schools to make them earthquake resistent. Architect Edward L. Mayberry, 3900 E. Third St., Long Beach, will prepare plans for the improvements.

SHEET METAL & ROOFING BIDS REJECTED

WHITTIER, Los Angeles Co., Cal.—State Department of Public Works rejected sheet metal and roofing bids for the reinforced concrete gymnasium at Whittier. Materials will be purchased shortly by the State Purchasing Dept.

PREPARING PLANS

COMPTON, Los Angeles Co., Cal.—California State Board of Public Bldg. Reconstruction has approved architectural contract of Architects Marsh, Smith and Powell, 816 W. 5th Street, Los Angeles, and the Compton High School District for reconstruction work at the Compton Junior high school as follows: Structural bracing in shop building, structural bracing in cafeteria building, structural bracing of present administration building and addition of classroom unit, new gymnasium building to be constructed on footings of old building, and construction of new auditorium building on the footings of old building. Working drawings are being prepared. Cost, $130,000.

PLANNED

NEWPORT BEACH, Orange Co., Calif.—State Board of Public Reconstruction has approved the architectural contract of Architect Donald B. Kirby, 119 N. Kenwood, Glendale, and the Newport Beach School District for the proposed new elementary school to be erected in Newport Beach. It will be constructed on the site of the former school and is designed to utilize the foundation, floors and partitions in the wing of the old structure, which is still standing. Seventeen classrooms, library, cooking laboratory, manual education department, auditorium to seat 500 persons and a cafeteria will be provided. Cost, $110,000.

PREPARING PLANS

LOS ANGELES, Calif. — California State Board of Public Building Reconstruction has approved the architectural contract of Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, and the Excelsior Union High School Dist. for the reconstruction, rehabilitation and strengthening of the auditorium building at the Excelsior Union High School. Cost, $80,000. Working drawings are about 50% complete.

BOND ELECTION

FRESNO, Cal.—Teague School District will hold an election May 15, at which time bonds in the amount of $5,000 will be voted to finance construction of school improvements in Fresno. E. W. Vance, W. J. Michael and Mike Jura, trustees of the Teague School District.

BIDS WANTED

BAKERSFIELD, Kern Co., Calif.—Until Thursday, May 10, bids will be received by the Bakersfield board of education for school supplies for the coming school year.

BIDS WANTED

PORTERVILLE, Tulare Co., Cal.—Until May 1, 3 P. M., bids will be received by E. M. Hammond, Clerk, Porterville Elementary School Dist., for the installation of a gas furnace at the Roche Avenue schoolhouse. Specifications obtainable at 420 Main Street, Porterville.

Plans Being Figured—Bids Close May 7, 2 P. M.

SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (6 classrooms) tile roof, steam heating system, wood floors, etc.
Owner — Woodbridge Elementary School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Plans and specifications available from architect upon deposit of $15. Bids will be opened in Woodbridge.

PREPARING PLANS

LONG BEACH, Los Angeles Co., Cal.—Architect Edwall J. Baume, 315 Heartwell Bldg., is preparing working plans for rebuilding the Jane Addams Elementary School for the Long Beach Board of Education. It will be a two-story structure, containing clasrooms, library, kindergarten department and offices. Construction will be of steel stud and stucco exterior walls, composition roofing, reinforced concrete corridors and stairs, steam heating, etc. Salvaged materials will be used.

Contract Awarded.

REPAIR SCHOOL Cont. Price, $26,843
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.
Contractor — M. E. Vukicevich, 666 Mision St., San Francisco.
Following bids received:

M. E. Vukicevich	$26,843
J. Harold Johnson	29,987
DeLuca & Son, Inc	30,490
Anderson & Ringrose	30,568
H. L. Petersen	31,000
O. Monson	31,300
Young & Horstmeyer	31,700
A. H. Vogt Company	32,300
MacDonald & Kahn	32,396
James L. McLaughlin	32,990

Bids Wanted—To Close May 2, 2:30 P. M.

REPAIR SCHOOL Cost, $15,000
SAN FRANCISCO. SE Bayview and Flora Streets.
Repairs to Bayview School building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St., San Francisco.
Plans and specifications available from C. H. Sawyer, Dept. of Architecture, City Hall, upon deposit of $20. A fine of $25 per day for each day work is uncompleted after specified time. Bond of $3750 required.

Contract Re-Awarded.

REPAIR SCHOOL. Cont. Price, $22,725
SAN FRANCISCO. E Washington St. between Powell and Stockton Sts.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—Harry Oser, Hobart Bldg. San Francisco.
Contract previously awarded to C. L. Wold, 4416 Fulton St., was rescinded.

Plans Being Figured—Bids Close May 9, 2:30 P. M.

REPAIR SCHOOL Cost, $100,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, Architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Work includes: Remove existing brick work and terra cotta work; diagonal bracing of roof trusses; concrete work, excavating, backfilling, installation of reinforced gunite or reinforced cement mortar; new reinforcing steel; steel anchors and tiles; repair stone work; structural steel; brick work and granite; architectural terra cotta; galvanized iron, replacement of sheet metal; lathing and plastering; ornamental iron; fire escapes; repair composition roof; glass and glazing; painting and decorating; repair plumbing; electrical, heating and ventilating conduits; install exhaust fans; improvements to steam heating system and temperature control apparatus.
Plans and specifications available from C. H. Sawyer, Architectural Department, City Hall, upon deposit of $50.00.
A $50.00 penalty per day for each day work is not completed after specified time.

16—BANKS, STORES AND OFFICES

Sub-Contracts
OFFICE BLDG. Cost, $9000
SAN JOSE, Santa Clara Co., Cal. 363 South Third Street.
Two - story frame and stucco office building and 2-room residence.
Owner—Dr. A. J. Baiocchi, Bank of America Bldg., San Jose.
Plans by Herman Krause, 237 W. San Carlos St., San Jose.
Contractor—Vincent Maggio, 452 North 15th St., San Jose.
Lumber and Mill Work—Hubbard and Carmichael Bros., 384 West Santa Clara St., San Jose.
Building Materials—Williams & Russo 773 W. San Carlos, San Jose.
Cement—W. B. McCay, San Jose.
Hardware and Reinforcing—San Jose Hardware Co., 62 W. San Fernando, San Jose.
Steel Sash—East Bay Glass Co., 418 S. Market St., San Jose.
Plastering—Romani Bros., San Jose.
Electric—St. Charles Electrical Co., 39 N. Market St., San Jose.
Plumbing—A. J. Peters & Son, 455 E. Washington St., San Jose.
Excavation—E. G. Keeble, Monterey Road, San Jose.

Contract Awarded.
ALTER STORE Cost, $425
BERKELEY, Alameda Co., Cal. No. 2160 University Avenue.
Alterations to store building (add mezzanine floor and partition work).
Owner—Withheld.
Architect — Hardman & Russ, 2068 Allston Way, Berkeley.
Contractor—Harry Kane, 921 Ramona St., Berkeley.

BIDS OPENED
EUREKA, Humboldt Co., Cal.—Fred E. Mauer & Son, Inc., 3017 E. St., Eureka, at $365 submitted low bid to Postmaster, Eureka Post Office, for repairs to Post Office building.
Work includes repairing drains, painting roof, replacing and surfacing 300 square feet of floor scrubbing and waterproofing limestone, electrical work; 200 lbs. slaked lime, 200 lbs. fertilizer and seed for lawn ,etc.
Following bids received:
Fred E. Mauer & Son, Inc.....$365
O. A. Oleson..... 395
Winter Bros. 437
All bidders of Eureka.
Bids held under advisement.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 675 Market Street.
Alterations to store building (new front, etc.)
Owner—Monadnock Bldg., 670 Market St., San Francisco.
Architect—E. G. Bolles, 681 Market St., San Francisco.
Contractor—Royal Show Case Co., 770 McAllister St., San Francisco.

To Ask Additional Figures.
SAN FRANCISCO—Architects Kent & Hass, 525 Market St., will ask additional figures for alterations to galley and restaurant on the ferry boats Hayward and San Leandro for the Key Route Company. Work involves new kitchen equipment, floor covering, tables and table tops, cabinet work, lighting fixtures, etc.

Planned.
REMODEL BLDG. Cost, $——
PETALUMA, Sonoma Co., Cal. Fourth Street.
Remodel present building for doctors' offices.
Owner and Builder—Walter A. Singleton, 501 Fourth St., Petaluma.
Plans by Owner.
Lessee—Dr. A. Gomez Lumsden; Dr. Kathleen Morris and Dr. M. I. Neilsen.

Contract Awarded
OFFICE BLDG. Cont. Price, $42,812
SAN JOSE, Santa Clara Co., Cal. 374 West Santa Clara Street.
Two - story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, President) 372 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West Santa Clara St., San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.
Heating bids held under advisement.
Lowest bid was submitted by William Serpa, 497 N. 13th St., San Jose, at $3,200.

Low Bidder.
OFFICES Cost, $——
MODESTO, Stanislaus Co., Cal. H St., bet. 6th and 7th Sts.
One or two-story concrete or brick store and office building (composition roof, etc).
Owner—J. Oyen, Modesto.
Architect — G. N. Hilburn, 1213 I St., Modesto
Low Bidder—F. T. Arnold, 208 Elmwood St., Modesto.
Contract will be awarded shortly.

Contract Awarded
ALTER RESTAURANT Cost, $4000
SAN FRANCISCO. SE Columbus Ave. and Chestnut St.
Alterations to restaurant.
Owner—Frank L. Martinelli, 1025 Columbus Avenue.
Architect—Miller & Pflueger, 580 Market Street.
Contractor—J. Martinelli, 666 Mission.

Contract Awarded
REMODEL STORE Cost, $6,424
SAN FRANCISCO. SE Fourth & Berry Streets.
Alterations to office building (interior fixtures, fittings, etc.)
Owner—Sussman, Wormser & Co., 4th and Berry Streets.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks & Irvine, 74 New Montgomery Street.

To Be Done By Day's Work
REMODELING Cost, $6,000
STOCKTON, San Joaquin Co., Calif. 520 East Main Street.
Remodel restaurant (new equipment, etc.)
Owner—Mary Ruhl and Lorenz Hedwig, Stockton.
Architect and Mgr. of Const.—Glenn Allen, 412 E. Market St., Stockton.
Kitchen Equipment—Dohrmann Hotel Supply Co., 972 Mission Street, San Francisco.

Contract Awarded.
STORE Cost, $——
STOCKTON, San Joaquin Co. Cal. No. 338 N. California Street.
One-story frame store building.
Owner—Edwin Hess, 1225 N. California St., Stockton.
Architect—Not Given.
Contractor—O. H. Chain, 41 S-Sutter St., Stockton.

Contract Awarded.
BRANCH BANK Cost, $25,000
SAN FRANCISCO. NW Fillmore and Chestnut Streets.
Branch bank building (tile work, marquise, marble floors, bronze work, plate glass, steel doors, vault, etc.)
Owner — Anglo California National Bank.
Architect—S. Heiman, 605 Market St., San Francisco.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.

Prospective Bidders.
DINING ROOM Cost, $——
CAZADERO, Sonoma Co., Calif.
Frame dining room (rustic exterior, pine interior).
Owner—City of Berekley.
Plans by Building Dept. of City of Berkeley.
Following have procured plans. Bids open April 24, 2 p. m.
Young and Horstmeyer, 461 Market Street, San Francisco.
Jno. M. Bartlett, 1706 Parker Street, Berkeley.
David Nordstrom, 4150 Emerald St., Oakland.
U. A. Rehn, 2826 Acton Place, Berkeley.
Frank A. Stead, 2326 Edwards Street, Berkeley.
Emil Person, 829 San Luis Road, Berkeley.

Contract Awarded.
REMODEL BANK Cost, $10,000
WOODLAND, Yolo Co., Cal. Main and College Streets.
Remodel present bank building (work includes new front, adding mazzanine floor, new lighting fixtures, etc.)
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.
Contractor—J. G. Motroni, 32 N. 3rd St., Woodland.
Only a portion of the work will be done at this time.

Planned.
BUILDING Cost, $——
WILLOW GLEN, Santa Clara Co.
Construct modern automobile agency building (display room, accessory department, service shop, gasoline pumps, etc.)
Owner—Lowell Smith and Lloyd E. Lukens, 1162 Lincoln Ave., Willow Glen.
Architect—Not Given.

To Be Done By Day's Work.
REMODEL STORE Cost, $12,000
SANTA BARBARA, Santa Barbara Co., Cal. No. 731-33 State St.
Remodel present store building.
Owner—F. W. Woolworth Co., Financial Center Bldg., San Francisco.
Plans by Engineering Dept. of Owner (Mr. McClure in charge).
Work will be done by day's labor by local help. Materials will be purchased by owner.

CONTRACTS AWARDED
SAN FRANCISCO.—M. E. Vukicevich, 666 Mission St., at $873 awarded contract by Constructing Quartermaster, Fort Mason, for remodeling offices of the Corps Area Quartermaster, Ninth Corps Area, Headquarters, Presidio. Wm. A. Deagan, 2055 Santa Clara Ave., Alameda, at $323 warded contract for the additionl room. Complete bids published March 30.

Contract Awarded.
STORE Cost, $8000
MONTEREY, Monterey Co., Calif. Lighthouse Ave. & McClelland St.
Two - story reinforced concrete and tile store building (residence on second story).
Owner—Manuel Perez.
Architect—Not Given.
Contractor—William Sweeney, 424 Gibson Ave., Pacific Grove.

Contract Awarded.
MARKET Cost, $15,000
FRESNO, Fresno Co., Cal. NE Tulare and Orchard Streets.
One-story drive-in market (120x58 ft.) frame and stucco construction, tile roof.

Owner—George Kaehler, Fresno.
Architect—Not Given.
Contractor—J. T. Cowan, 433 Roosevelt St., Fresno.

17— THEATRES

Plans Being Prepared.
ALTER THEATRE Cost, $25,000
PIEDMONT, Alameda Co., Cal. No. 4186 Piedmont Avenue.
Alterations and additions to present theatre building (new seats, decorating, painting, etc.)
Owner—E. L. Herbold.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Lessee—Golden State Theatre Co., 25 Taylor St., San Francisco.

Plans Being Figured—Bids Close Apr. 30th.
REMODEL THEATRE Cost, $——
SANTA ROSA, Sonoma Co., Calif. B Street.
Remodel theatre building.
Owner—Kline Theatre, B St., Santa Rosa.
Architect—Fred. H. Meyer, 525 Market St., San Francisco.

Sub-Contracts Awarded
THEATRE Cost, $15,000
STOCKTON, San Joaquin Co., Calif. 518-524 E. Main Street.
Alterations to theatre bldg. (redecorating, electrical work, painting).
Owner—Sierra Theatre (Joe Restano and Joe and G. B. Gottelli) 16 Union St., Stockton.
Architect—Wm. Henry Rowe, 216 Pine St., San Francisco.
Contractor—G. B. Pasqualetti, 2330 Larkin St., San Francisco.
Electric—Square Electric Co., 1536 S. Grant St., Stockton.
Heating and Ventilating—Fraser Furnace Co., Inc., 445 S. San Joaquin St., Stockton.
Tile contract will be awarded shortly.

Contract Awarded.
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Cal.
One-story and balcony theatre building (1100 seating capacity); tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Contractor—Salih Bros., 25 Taylor St., San Francisco.
Construction will start in about three weeks.

18— WHARVES & DOCKS

Bids Wanted — To Close April 26, 2 P M.
ALTER WHARF Cost, $——
SAN FRANCISCO. Wharf No. 47, Fisherman's Basin.
Additions to betterments of Wharf No. 47 (work involves creosoted piling, untreated timber deck, tearing off portion of present wharf and construct two finger wharves).
Owner—State of California (Harbor Board).
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Plans and specifications available from above office April 16, upon deposit of $10.

Final Plans Approved
ENLARGE TERMINAL Cost, $200,000
PORTLAND, Oregon.
Concrete addition to terminal (450x200 feet) concrete floor, fireproof roof, sprinkler systems, marine elevators, ventilators, steel fire doors.
Owner—Union Pacific System, Pittock Building, Portland.
Engineer—Robert E. Barrett, 3706 NE 19th St., Portland.
Lessee—McCormick Steamship Co., ft. of Irving St., Portland.
Bids will be asked in about 10 days.

To Ask Bids May 1st.
WHARF, ETC. Cost, $900,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf, transit sheds (galvanized iron), extension to railroad construction, etc.)
Owner—City of Stockton (Port Commission)
Plans by Engineering Dept. of Owner Col. B. C. Allin, Port Director, in charge), City Hall.

19—MISC. CONSTRUCTION

Construction Started.
STABLE Cost, $10,000
ATHERTON, San Mateo Co., Cal. Alameda de las Pulgas.
Construct stables (74x98 feet); 14 stalls, two wash rooms, one sulky room, hack room, harness room, bathroom, etc.)
Owner—Mrs. Suzanne Perry, Alameda de las Pulgas, Atherton.
Architect—Not Given.
Contractor—W. H. Weeden, 1458 State Highway, Menlo Park.

PLANNED
FULLERTON, Orange Co., Calif.—Loma Vista Memorial Park, Emanuel Smith, manager, Fullerton, proposes building a mausoleum in Loma Vista cemetery, north of Fullerton. Building will be a reinforced concrete structure, containing 300 crypts and chapel, with Italian marble, art glass, etc. Reyweld Mausoleum Co., composed of John A. Weldon and M. S. Reynolds, will erect the structure.

Bids Wanted—To Close May 1, 10 A.M.
DINING ROOM, ETC. Cost, $——
ECHO LAKE, Eldorado Co., Calif.
One-story dining room and kitchen (pine construction).
Owner—City of Berkeley.
Plans by Building Dept., City of Berkeley.
Plans and specifications available from above office.

BOND ELECTION
PACIFIC GROVE, Monterey Co., Cal.—City of Pacific Grove will hold an election on May 8 at which time bonds will be voted on the following propositions:
(1) $50,000 for the ppurchase of the McDougall bathhouse property.
(2) $10,000 for beach improvement.
(3) $30,000 for building new plunge adjoining present bathhouse.

BIDS WANTED
VALLEJO, Solano Co., Calif.—Bids are being received by Ralph Cassady, acting postmaster, Post Office, Vallejo, for paving the southwest portion of the post office lot. Further information available from above office.

Corrugated Iron Contract Awarded.
LOADING PLATFORM Cost, $23,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Sixty-ninth St.
Reinforced concrete loading platform (54x350 feet).
Owner—Chevrolet Motor Co., Prem.
Plans by Engineering Dept. of Owner (Mr. Roberts in charge).
Contractor — H. J. Christensen, 1955 Webster St., Oakland.
Corrugated Iron—Central Sheet Metal & Roofing Co., 3246 Ettie St., Oak. Other awards reported April 13th.

BIDS OPENED
SAN FRANCISCO, Calif.—Following bids received by the Construction Quartermaster, Fort Mason for removal of twenty-two oil burners; furnishing and installing twenty-two new oil burners at the Presidio, San Francisco:
(1) Work complete.
(2) Deduct for omission of group Nos. 407-A and B, to 410-A and B, or Group 411-A and B, to 414-A and B.
(3) Deduct from item 1, for omission of each installation that it may be decided not to install in any of the Officers' Quarters Nos. 1, 2, 7, 8, 11 or 12, provided that such omission shall not apply to more than three sets of quarters.
(4) Installation of an electrically operated time clock in each of the officers' quarters Nos. 407 to 414-A and B, inclusive.

Total bids follow:

(a) E. A. Cornely	$ 7,057
(b) Herman Lawson	7,151
(c) Ray Burner Co.	8,161
(d) M. Desiano	9,093
(e) S. F. Johnson Co.	9,324
(f) E. Sugarman	10,600
(g) Simplex Oil Burner Co.	10,855
Alternate	5,104

	(1)	(2)	(3)	(4)
(a)	7057	2368	766	23.66
(b)	7151	2100	600	29.00
(c)	8161	2869	304	292.50
(d)	9093	2898	490	24.00
(e)	9324	3293	450	25.00
(f)	10600	3600	470	19.00
(g)	10855	477	477	22.00

CONTRACT AWARDED
FORT PECK, Montana—Fritz Ziebarth & H. H. Walker, Inc., 3121 Venice Blvd., Los Angeles, at $1,070,499.60 using aluminum wire with lock, awarded contract by U. S. Engineer Office, Kansas City, for construction of an electrical transmission line, 287 miles in length, from Great Falls, Montana, to Fork Peck dam site, 25 miles southeast of Glasgow. The poles will be western cedar with treated butts.
Complete bids published March 27.

PLANNED
MODESTO, Stanislaus Co., Cal.—City of Modesto is contemplating construction of swimming pools in the city playgrounds in the near future. Warren Tinkler, chairman of the committee in charge of financial arrangements.

Planned.
SWIMMING POOL Cost, $12,000
YUBA CITY, Sutter Co., Cal.
Construct swimming pool (50x125 feet) bleachers, dressing rooms, filtration system, etc.)
Owner—City of Yuba City.
Engineer—William Shearer, City Engineer, Yuba City.
Committee appointed to obtain data on swimming pools as follows:
George Fred Otis, T. L. Nelson, Leon Dassonville, Harry Humphreys and John Hale.

CONTRACT AWARDED
STOCKTON, San Joaquin Co., Cal.—West Coast Building & Wrecking Co., 1341 S. Aurora St., Stockton, at $130 awarded contract for removing six-room residence and Robert R. Wagner, 343 E. Weber St., Stockton, at $15.00 awarded contract for wrecking garage by State Highway Commission. Buildings are located on the northeast corner of Rose and Center Sts., the site of the proposed District Highway Office for which plans are now being prepared. Estimated cost of project is $40,000.

SEEK FEDERAL AID
SAN DIEGO, Cal. — Twenty-second District Agricultural Assn.; James E. Franks, president, San Diego, has applied to the government for a loan of $689,500 and a grant of $295,000 to finance construction of a group of fair buildings on the north shore of Mission Bay. Included in the group would

be an exhibition building with seating capacity of 8000, grandstand and race track, two livestock exhibit buildings, stables and bell tower. Architect Richard Requa, Spreckels Bldg., San Diego, supervised the preparation of plans, the work having been financed by CWA.

Contract Awarded

CHUTE Cost, $——
BERKELEY, Alameda Co. Cal. Campus of University of California.
Wood animal chute with padding for veterinary.
Owner—University of California.
Architect—Not Given.
Contractor—Clinton Stephenson Const. Co., 550 Montgomery Street, San Francisco.

BIDS WANTED

SAN FRANCISCO. — Until April 25, 1:45 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works City Hall, for removal of wire gates at the Portola Junior High School Playgrounds. Estimated cost under $1-000.

To Be Done By Day's Work.

ALTERATIONS Cost, $——
SAN FRANCISCO. Point Lobos Ave. near Great Highway.
Alterations to entrance of Sutro Baths (painting, decorating, etc.)
Owner—Sutro Estate (Adolph Sutro in charge), Stock Exchange Bldg., San Francisco.
Architect—Not Given.

Roofing Contract Awarded.

ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Calif. Holy Cross Cemetery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 by 80 feet, 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 110 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Roofing — J. W. Bender Roofing Co., 18th and Bryant Sts.., San Francisco.

As previously reported, readymix concrete awarded to South City Lumber Co., South San Francisco; reinforcing steel to W. C. Hauck & Co., 17th and Wisconsin Sts., S. F.; plumbing to Scott Co., 243 Minna St., S. F.

Sub-Contracts Awerded.

LOADING PLATFORM Cost, $23,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Sixty-ninth St.
Reinforced concrete loading platform (54x350 feet).
Owner—Chevrotel Motor Co., Prem.
Plans by Engineering Dept. of Owner (Mr. Roberts in charge).
Contractor — H. J. Christensen, 1955 Webster St., Oakland.
Concrete — J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Structural Steel—Independent Iron Works, 1820 Chase St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.

Plans Being Figured.

SWIMMING POOL Cost, $4000
NEVADA CITY, Nevada Co., Cal. Park Avenue.
Municipal swimming pool (50x125 ft.) tile scur trough, five foot cement walk around pool, fencing, etc.
Owner—City of Nevada City.
Engineer—E. C. Uren, Nevada City.

CONTRACT AWARDED

LOS ANGELES, Cal.—W. H. Terry, 1152 E. Adams St., awarded contract for two-story, 24-room mortuary building at 1030 E. Jefferson St., for Angelus Funeral Home. Paul R. Williams, 3339 Wilshire Blvd., architect. Will cover an area of 100x159 feet and will be of frame and stucco construction, Mission tile and composition roof, skylights, metal roof vents, leaded plate glass, wood roof trusses, brick chimneys, ornamental iron, wrought iron stair rail, electric elevator, gas radiators, tile lavatory, bath and kitchen drainboard, electric refrigerator, sinks, unit gas furnace heating, laundry trays, chapel, cement pools, etc. C. S. Blodgett & Co., awarded concrete work. J. H. McDonald plumbing and W. O. Dalby electric wiring.

COMPLETE BID LISTING

FRESNO, Cal.—As previously reported, Jackson Constr. Co., San Bernardino, at $2490 submitted low bid to assistant engineer, U. S. Airway Radio Station, Fresno, for erecting modified Adcock raido antenna system or property two miles southwest of Fresno airport. The principal items of work involved comprise the erection of four steel skeleton radio masts, each 125 feet high, on concrete foundations, and the appurtenant ground system, obstruction lighting, etc. Some of the major quantities involved are approximately as follows: Concrete, 75 cu. yds.; cable and ground system trenches, 280 lineal rods; reinforcing steel, 3000 lbs.; No. 6 bare copper wire 4200 lin. ft.; structural steel (material to be furnished by the government), 13 tons. Schedule No. 307-B.

Complete bids follow:
Jackson Constr. Co., San Bernardino, $2490.
City Improvement Co., Oakland, $2667.
F. A. and G. L. Cole, Cheyenne, Wyo., $3702.
American Electric Co., San Francisco, $3815.
Wicks Engrg. & Constr.. Co., Des Moines, Ia., $4684.
T. C. Irwin, Fresno, $6257.
Jolly & Harrington, Fresno, $6385.
Schuler & McDonald, Oakland, $13,500.
Bids held under advisement.

BONDS VOTED

OCEANSIDE, San Diego Co., Cal.—Oceanside affirmed a $60,000 bond issue April 9, proceeds to be used for financing the construction of a municipal plunge and bathhouse in Oceanside. The $40,000 city hall and library bond issue was defeated. Architect Virgil Westbrook, San Clemente, in collaboration with Architect Wm. P. Lodge, California Bank Bldg., San Diego, designed the plunge. Mr. Westbrook is the architect for the city hall and library.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

SAN FRANCISCO—Ducommun Corporation, 656 Townsend St., San Francisco, at $0.315 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, April 11, for furnishing 1,-050 condenser tubes for Central Shops No. 1, under Bid No. 1168.

COMPLETE BIDS

McNEIL ISLAND, Wash.—As previously reported, J. E. Campbell Co., 1242 6th St., South, Seattle, at $3,775 submitted low bid to Bureau of Prisons, Department of Justice, Washington, D. C., for furnishing and installing a heavy duty electric oven with a capacity of 400 one-lb. leaves at the U. S. Penitentiary, McNeil Island. Following bids received:

J. A. Campbell, Seattle	$3,775
F. S. Lang Mfg. Co., Seattle	3,796
Edison General Elec. & Appliance Co., Chicago	4,992
alternate	4,500

Bids held under advisement.

BIDS REJECTED

GLENDALE, Cal.—All bids received by Glendale City Council March 8 for furnishing one carloaod of cross arms were rejected April 12. The city will purchase the cross arms in the open market.

CONTRACT AWARDED.

OAKLAND, Alameda Co., Calif—Electric Products Corporation, 950 30th Street, at approximately $1,000 awarded contract by Regal Products Co. for constructing electric sign at the southeast corner of 12th and Broadway. 19

CONTRACT AWARDED

FORT PECK, Mont.—Fritz Ziebarth and H. H. Walker, Inc., 1323 Venice Blvd., Los Angeles, awarded contract by U. S. Engineer Office, Kansas City, for construction of an electrical transmission line from Great Falls to Fort Peck. First information of the award, contained in a telegram from the District Engineer did not state which alternate proposal had been selected.

Bids were opened March 17. The low bids submitted by Ziebarth and Walker were: $1,072,980.38, copper without lock; $1,087,478.12, copper with lock; $1,057,235.58, aluminum wire without lock; $1,070,499.60, aluminum wire with lock.

BIDS OPENED

HAMILTON FIELD, Cal.—Camgros Gravel & Fuel Co., Inc., 222 Third St., San Rafael, at $1.40 per ton, total $980, submitted low bid to the Constructing Quartermaster, Hamilton Field, San Rafael, for furnishing 700 tons crusher run base, under Schedule No. W-6754-34-40.

Hein Bros. Basalt Rock Co., Petaluma, at $1.42 per ton, total $1050, submitted the only other bid.

Both bids are plus unloading charges All bids held under advisement.

LOW BIDDER

McNEIL ISLAND, Wash. — J. E. Campbell Co., Seattle, Wash., at $3775 submitted low bid to Bureau of Prisons, Department of Justice, Washington, D. C., for furnishing and installing a heavy duty electric oven, capacity of 400 one lb. loaves at the U. S. Penitentiary, McNeil Island, Washington. Second low bid was submotted by W. F. Lang Mfg. Co., Seattle, at $3796.

BIDS REJECTED

BONNEVILLE, Oregon—All bids received by the U. S. District Engineer, Portland, under Pro. 34-543, for furnishing 300,000 bbls. of Portland cement, have been rejected, and the call for bids will be re-advertised. The bids did not comply with the NRA code of the cement industry.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

CANAL ZONE

PANAMA CANAL ZONE—Until May 3, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2954, for furnishing equipment for hydraulic grader including main pumps, priming pumps, foot valves, air compressor, hilge pump, sanitary pump, induction-type motor, power transformers, and electric switchboard.

Drawings and specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until April 24 3 P. M., bids will be received by the Department of Public Works, Division of Highways, R. H. Stalnaker, Equipment Eingineer, 1805 34th St., Sacramento, for the sale of the following equipment;

CHC 3555 Truck, White Model No. 61, 1½-ton P. T. cargo body with canopy top;
CHC 400 McCormick-Deeding 10-20 R. T. Tractor;
CHC 151 65-gal. 2-wheel R. T. Alco for asphalt heating;
CHC 43 Bulldozer type reversible Snow Plow, La Plant Choate make;
CHC 55 Snow Plow, R/W rotary with V plow;
CHC 68 Snow Plow do;
CHC 106 Rock Drill-Chicago pneumatic jackhammer type;
ELECTRIC motors; 1 each Crocker-Wheeler 20-hp.; G. E. Induction, 79-hp.; Allis Chalmers Induction, 15-hp.; Burke Electric Co., 1-hp.; Allis Chalmers Induction, 1-hp.; Century, ½-hp.; Emerson, ⅓-hp.; Emerson, ⅙-hp.; Champion Blower for portable forge.

MACHINES, Shop Equipment, etc.: 1 Universal valve refacer, 1 cylinder grinder, 1 post drill, 6 machinist vices, 23 babbit pots, 1 type setter with type, scales, 3 counters, 1 butcher, 1 portable and 4 truck; 1 lot shovels; 14 carbide flares; 5 branding irons; 2 tinners beading machines; 1 jack; 1 shaler vulcanizers; 2 car stands; 26 tire carriers; 1 auto dolly; 1 leather creaser; 1 2-in. windmill pump; 1 wood slotting machine; 5 lathe chucks and jaws 4 grinding chucks; 81 B. S. chisels and 30 calking chisels; 150 peln hammers, 5 hacksaw frames; 1 lot pipe wrench jaws; 150 set screw wrenches; 3 steam lubricators and 1 steam pressure control; 1 gas stove, 5 sections 30-inch depth parts bin with 100 roller shelving complete.

Miscellaneous parts for electrical equipment.

Miscellaneous parts for trucks, hydraulic and hand hoists; cars; road machinery; camps, etc.

The above equipment may be inspected at the Division of Highways Yards, 1805 34th St., Sacramento, on any working day between the hours of 9 A. M. and 5 P. M.

STOCKTON, San Joaquin Co., Cal. —Until April 24, 3 P. M., bids will be received by the Department of Public Works, Division of Highways, D. H. Riechel, Supt. of Equipment, 47 North Grant St., Stockton, for the sale of the following equipment:

CHC 335 Adams 7-ft. leaning wheel grader;
CHC 377 Caterpillar "20" Tractor.

The above equipment may be inspected at the Division of Highways Yards, 1144 South Wilson Way, on any working day between 9 a. m. and 5 p. m.

REDDING, Shasta Co., Calif.—Until April 24, 3 P. M., bids will be received by the Department of Public Works, Division of Highways, F. E. Siebert, Supt. of Maintenance, Redding, for the sale of the following equipment:

CHC 3234 Truck, Chevrolet, 1½-ton 1929;
CHC 175 Drill, Cochise No. 40 HD rock;
CHC 61 Engine, Holt 25-hp.;
CHC 55 Pump unit, F-M Type, Z 4x5 plunger;
CHC 20 Saw Drag, Diamond H power;
CHC 22 Saw, Drag, Portland VK power;
CHC 24 Saw, Drag, Blue Streak power

All the above equipment may be inspected at the Division of Highways yards at Redding from 7:30 A. M. to 4:30 P. M. on any working day.

EUREKA, Cal.—Until April 24, 3 P. M., bids will be received by the Dept. of Public Works, Division of Highways, W. H. Pierce, Supt. of Equipment for the sale of the following:

CHC 135 asph. heating kettle, 110-gal. on 4 wheel traior.
CHC 140 Rock Drill, Cleveland; jackhammer.
CHC 143 Holt Gas Engine, 34-h. p. on skids.
CHC 91 Deane Hill Pump, 5½-in. by 8-in. Triplex on skids with 30 h. p. Pittsburgh gas engine.

All above equipment may be inspected at the Division of Highways yards, Eureka, except CHC 135, Kettle, which may be inspected at Willits, Mendocino County.

WAR DEPARTMENT

FORT MASON, San Francisco—Until April 24, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order 928-34-209 miscellaneous for furnishing the following: 2000 lbs. fire clay, 400 lbs. grade A tin, 700 glass lights, 7000 lbs. iron or steel, 1086 sheets iron or steel, faucets, bowls, kitchen sinks, valves, pipe fittings, 900 malleable iron or steel unions, 2675 pipe-fittings, ceiling lighting fixtures, sockets, switches, conductors, non-metallic cable, 40,000 ft. copper wire, insulating compound, transformer, 7400 gals. linseed oil.

Specifications obtainable from above office.

FORT MASON, San Francisco, Cal. —Until April 23, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Deport, Fort Mason, under Order 928-34-206 miscellaneous for furnishing the following: Manila rope, 2500 rattan brooms, 4000 mop handles, 3024 cotton mops, 350 steel ash cans, 6000 cans metal polish, 3000 casting brushers, 1800 sash-tool brushers, 14,316 sponges, 1000 quires Emery cloth, spar varnish, 2,002 gallons paint, 85 wrecking bars, 228 saw files, 48 file handles, 36 levels and pumps, 24 blacksmith's rules, 60 hand saws, 72 screw drivers, 12 sets nails, 12 combination squates, 8 Edger tools, 84 paper fastening machines.

Specifications obtainable from above office.

FORT MASON, San Francisco.—Until April 26, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order 928-34-212 for furnishing the following: 1,000 ft. gypsum wallboard, approximately 17,000 MBM ft. Douglas fir lumber.

Specifications obtainable from above office.

STOCKTON CITY

STOCKTON, San Joaquin Co., Calif. —Until May 2, 2 P. M., bids will be received by Walter Y. Trethaway, Purchasing Agent, Courthouse, Stockton, for certain school furniture for the Woods School District, Stockton. C. L. Newtom is clerk of the Board of Trustees of the Woods School District.

OAKLAND CITY

OAKLAND, Cal.—Until Apr. 23, 4:30 P. M., bids will be received by City of Oakland Port Commission, Grove Street Pier, for furnishing 9500 barrels of Portland cement to be used in the construction of the Terminal Bldg. E, Rosenberg Warehouse, Outer Harbor, Oakland.

PORTLAND, Ore.—Until April 26, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Portland, for the sale of one Everett - McAdam "Revolute" Blueprinter, serial No. 666.

Proposal blanks and information obtainable at the office of the State Highway Commission, Room 322, State Office Bldg., Salem.

TULARE COUNTY

PORTERVILLE, Tulare Co., Cal.—Until April 27, 8 P. M., bids will be received by the Porterville Union High School District for the purchase of two school buses, and for the sale of two used school buses.

Specifications obtainable at the high school and at 420 Main St., Porterville. Lucien V. Schmittou, clerk.

VISALIA, Tulare Co., Calif.—Until April 26, 7:30 P. M., bids will be received by the Board of Trustees of the Visalia Union High School District, for furnishing the following:

(1) one bus chassis only, not less than 16,000 lbs. gross;

(2) One complete and fully equipped bus body, with seating capacity for 48 high school students.

Alternate bids should be submitted for a bus body of 54 high school student capacity.

Specifications obtainable from the Board at the office in Visalia Union High School. E. E. Baker, clerk.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

WALDPORT, Ore. — Lindstrom and Feigenson, 7923 NE Halsey, Portland, and Parker & Banfield and T. H. Banfield, 984 E. 17th St., Portland, at $685-040 awarded contract by Oregon State Highway Commission, Portland, for the construction of the Alsea Bay Bridge to carry the Oregon Coast Highway across the Alsea Bay at Waldport, Oregon. The award is subject to the final approval of the Public Works Administration

BIDS WANTED

SACRAMENTO, Cal.—Until April 25, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Purcell, State Highway Engineer, Sacramento, for the construction of fenders for two piers at the bridge across the Sacramento river about 1.3 miles north of Isleton, in Sacramento County.

Specifications obtainable from above office.

AWARD

MULTNOMAH COUNTY, Ore.—Jos. H. Anderson, Portland, at $12,184 was awarded contract by the Oregon State Highway Commission, Portland, for construction of a bridge over Johnson Creek on the East Portland - Oregon City Highway near Milwaukie, in Multnomah County.

CONTRACT AWARDED

KING COUNTY, Wash.—Nelse Mortensen & Co., 1021 Westlake Avenue North, Seattle, at $50,721 submitted low bid and awarded contract by the King County Board of Commissioners for the construction of a reinforced concrete highway bridge across the ravine in the state park south of Zenith on Marine View Drive. Complete bids follow:

Nelse Mortensen, Seattle	$50,721
Dolph Jones, Inc., Tacoma	54,582
Elliott & Company	55,226
West Coast Const. Co., Seattle	58,482
McRae Brothers	59,531
Standard Const. Co	63,150
D. Nygren, Seattle	64,025
Gustafson & Olson Const. Co	65,989

The bridge will consist of two 100-ft. spans, two 90-ft. spans and two 80-ft. spans. The central supporting piers will be nearly 100 ft. high.

BIDS WANTED

OREGON STATE.—Until April 26, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, third floor, Public Service Bldg., Sixth and Salmon Sts., Portland, as follows:

Multnomah County—Viaduct

Construction of a concrete viaduct at the intersection of Bybee Blvd. and the East Portland-Oregon City Highway and a concrete slab span over Crystal Springs Creek, all within the city limits of Portland; National Recovery Project NRM 168-D. Work requires:

(1) 420 cu. yds. excavation;
(2) 2,600 lin. ft. foundation piling;
(3) 490 cu. yds. concrete;
(4) 128,000 lbs. metal reinforcement;
(5) 730 lin. ft. treated piling;
(6) 10 MFBM treated lumber;
(7) 270 lin. ft. concrete handrail;
(8) 25 lin. ft. composite handrail;
(9) furnish lighting system for Bybee Ave. viaduct.

Multnomah County—Railroad Bridge

Construction of a railroad bridge to carry the tracks of the Portland Elec. Power Co. over the East Portland-Oregon City Highway at the south city limits of Portland; National Recovery Project NRH 168-F. The work requires:

(1) 350 cu. yds. excavation;
(2) 2,200 lin. ft. treated trestle piling;
(3) 165 cu. yd.s concrete;
(4) 20,000 lbs. metal reinf.;
(5) 35 MFBM treated lumber;
(6) 94,000 lbs. structural steel.

Plans and specifications obtainable from the office of the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00 per set.

BIDS WANTED

SACRAMENTO, Cal.—Until April 25 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, C. H. Purcell, State Highway Engineer, Sacramento, for the construction of fenders for two piers at the bridge across the Sacramento River about 1.3 miles north of Isleton, in Sacramento County.

The work involves:

(1) 1 lot existing pipe fender, removed
(2) 7,040 lin. ft. Douglas fir piles;
(3) 138 each driving piles;
(4) 19,000 lin. ft. treated Douglas fir piles;
(5) 7,500 lin. ft. untreated do;
(6) 3,500 lin. ft. redwood timber select all-heart struc. grade;
(7) 6300 lbs. hardware;
(8) 250 lin. ft. pipe handrail to be removed and reset;
(9) 1 lot misc. items of work.

Specifications obtainable from above office.

LOW BIDERS

ARIZONA STATE.—All-Arizona Engineering & Const. Co., Clifton, Ariz., at $20,434 submitted low bid to T. S. O'Connell, State Highway Engineer, April 13, for construction of one timber bridge and 0.8 mile of approach roadway on Kingman - Boulder Dam Highway. Alt. $20,803.

H. L. Royden, Phoenix, at $20,650; alt. $21,108 submitted second low bid.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 888, for furnishing:

(1) 2 30-ft. opposite hand skew beam spans;
(2) 4 bridge pins, American Bridge Co. standard recessed bridge pin or equal;
(3) 2 rockers, cast steel;
(4) 2 pedestals, cast steel;
(5) 2 bed plates, cast steel;
(6) 8 anchor bolts.

Herrick Iron Works, San Francisco, (1) $740 f.o.b. San Francisco.
McClintic Marshall Corp., S. F., (1) $598 f.o.b. San Francisco.
Dyer Bros. Golden West Iron Works, S. F., (1) $783 f.o.b. San Francisco
Moore Drydock Co., Oakland, (1) $699 f.o.b. S. F.; $787 f.ob Kentucky House
Schrader Iron Works, S F. (1)$690 f.o.b. San Francisco.
Judson-Pacific Co., S. F. (1) $745 f.o.b., San Francisco; $800 f.o.b. Kentucky House.
Enterprise Foundry Corp., S. F. f.o.b. San Francisco (2) $46; (3) $80; (4) 094; (5) $54; (6) $18.40.
Golden Gate Iron Works, S. F: (1) $614 f.o.h. San Francisco; $675 f.o.b. Kentucky House; (2) $40; (3) $80. (4) $94; (5) $54; (6) $8.00 (f.o.b. San Francisco).
General Metals Corp., Oakland, f.o.b. San Francisco, (2) $46; (3) $80; (4) $94; (5) $54; (6) $18.40.
Inrependent Iron Works, Ltd., Oakland, (1) $793 f.o.b. Oakland; $843 f.o.b. Kentucky House; (2) $46; (3) $80; (4) $94; (5) $54; (6) $18.40 (f.o.b. Oakland).

All bids held under advisement.

BIDS WANTED

MERCED COUNTY, Cal. — Until May 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for removing existing timber trestle spans and constructing one 120-ft. truss span and five steel beam spans on timber pile bents across Merced River at Cox Ferry, Merced County. The work involves:

(1) 1 lot exist. timber spans to be removed and disposed of;
(2) 1500 lin. ft. furnish redwood piles including test piles;
(3) 41 each driving do;
(4) 37 MFBM redwood timber dense, select all heart structural grade;
(5) 22 MFBM redwood timber select all heart structural grade;
(6) 21,500 lbs. new structural steel;
(7) 115,000 lbs. salvaged structural steel;
(8) 1 lot miscellaneous items of work.

Plans and specifications obtainable from above office and on file at the District Engineers' offices in San Francisco, Los Angeles and the district in which the work is situated.

CONTRACT AWARDED

LOS ANGELES, Cal.—Atlas Const. Co., 39 Congress St., Pasadena, at $42-000 awarded contract by the Los Angeles County Board of Supervisors, April 16 for widening the present viaduct on Western Avenue south of 114th St., from 21 ft. to 56 ft., involving construction of 11 spans of 22 ft. each, with a total length of 242 ft., etc. W. B. Armstrong, County Bridge Engineer, 12th floor, Hall of Records.

BIDS WANTED

NEWPORT, Oregon.—Until May 17, 9 A. M. (date previously reported as tentative) bids will be received by the Oregon State Highway Commission in the Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a bridge approximately 3,260 ft. long, with a 27-ft. roadway and two pedestrian walkways, consisting of a 600-ft. semi-through steel arch span and two 350-ft. deck steel arch spans with 284 lin. ft. of concrete viaduct on the northerly end and with five reinforced concrete arch spans totaling 1052 ft. in length and 600 lin. ft. of concrete viaduct at the southerly end across Yaquina Bay on the Oregon Coast Highway.

Plans and specifications obtainable at the office of the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5 per set.

A complete set of plans and specifications may be inspected at the offices of the Associated General Contractors in Portland, Seattle, Spokane, New Orleans, La., and San Francisco.

22—DREDGING HARBOR WORKS EXCAVATION

AWARD RECOMMENDED

LOS ANGELES, Cal.—Los Angeles Harbor Commission approved recommendation of the acting harbor engineer that analysis of bids submitted April 4 by the Pan-Pacific Piling & Constr. Co., Lynch-Cannon Engrg. Co. and George Hess, for finger piers and wharves for Fish Harbor extension, be transmitted to the state engineer of the PWA with recommendation that award of contract be made to the Pan-Pacific Piling & Constr. Co. at $119,250 (item No. 1). The project, advertised under Specification No. 929, PWA Docket No. 2712, is located off the south shore of Terminal Island and consists of construction of 6 creosoted timber pile and timber deck finger piers and wharves.

CONTRACT AWARDED

COLUSA COUNTY, Cal.—Olympian Dredging Co., 249 First St., San Francisco, at $164,254.30 ($0.3227 per cu. yd.) awarded contract by U. S. Engineer Office, Sacramento, for raising and strengthening part of an existing levee along the east side of the Sacramento river. Franks Const. Co., San Francisco, at $175,605 ($0.345 per cu. yd.) submitted only other bid. Spec. No. 6290.

PROSPECTIVE BIDDERS

STOCKTON, Cal.—Following firms have taken out plans and specifications for dredging 700,000 cu. yds. material from south side of Stockton Channel and Slip No. 1, bids for which are being opened April 16, 5 P. M., as previously reported:

Standard Dredging Co., 325 Central Bldg. ,Los Angeles.

Hydraulic Dredging Co., Ltd., 1210 Central Bank Bldg., Oakland.

American Dredging Co., 255 California St., San Francisco.

AWARD PROTESTED

LOS ANGELES, Cal.—Los Angeles Harbor Commission has taken under advisement a request from the Associated General Contractors of America requesting an opportunity to appear before the board prior to the board's awarding contract to construct the rock entrance jetties for Fish Harbor extension; Spec. No. 928 PWA Docket No. 2712. Bids were opened April 4 and the low bid was submitted by the Los Angeles Harbor Department at $132,300. Carl B. Kumpe, Ltd., was second low bidder at $172,250. The project consists of furnishing and placing approximately 46,520 cu. yds. of quarry rock to rock mound jetties.

BIDS WANTED

SKAMOKAWA CREEK, Wash.—Until April 25, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-610, for dredging and disposing of 14,500 cu. yds place measurement from channel in Skamokawa Creek, bet. Brooks and Steamboat sloughs.

Map and specifications obtainable from the above office.

BIDS POSTPONED

STOCKTON, Cal.—Until April 25, 8 P. M., date postponed from April 16, 5 P. M., rpeviously reported, bids will be received by the Stockton Port Commission, City Hall, Stockton, for dredging approximately 700,000 cu. yds. of material from South Side of Stockton Channel and Slip No. 1. Plans and specifications obtainable from above office upon deposit of $20, returnable if accompanied by proposal, otherwise, $10 returnable.

April 18, 1934

CONTRACT AWARDED

OREGON-WASHINGTON — A. W. Norblad Jr., Gunderson Bldg., Astoria, Oregon, at $76,000 awarded contract by U. S. Engineer Office, Portland, for dredging in Baker Bay, Columbia River, Oregon-Washington, involving about $950.000 cubic yards material. Spec. No. 34-536.

25—MACHINERY AND EQUIPMENT

CONTRACTS AWARDED

SAN FRANCISCO. — Buffalo Mine Co., by W. R. Wright, and H. B. Piggott, trustees, 86 Third St., Room 200 at $60 submitted only bid and awarded contract for sale of one used Joshua Hendy hydraulic Giant No. 1.

Henry Mitarai, R. F. D. Box 1222, Sunnyvale, at $25 submitted high bid and awarded contract for the sale of one horse-drawn metal flusher No. 4. Mitarai bid $15 for the horse-drawn wooden flusher No. 7.

Sale No. 102.

BIDS OPENED

BAKERSFIELD, Kern Co., Cal.—M. P. Flickinger, Bakersfield, at $1,025.00 submitted low bid to the Bakersfield City Council. V. Van Riper, City Clerk April 9, for furnishing one power sprayer, suitable for use by the Park Department in spraying trees. M. P. Flinckinger submitted an alternate bid at $1,125.00.

Peerless-Bean Sales & Service, Bakersfield, at $1,226, submitted the only other bid.

BIDS OPENED

OAKLAND, Cal.—Bids for furnishing one rotary scraper for use at Oakland, under Prop. 62277, were opened by Dept. of Agruculture, Division of Purchases, April 3. Complete bids follow:

Bester Corp., Davenport, Iowa, $153.13, 2%.

Baker Mfg. Company, Springfield, Ill., $196.55, 2%.

Davenport Mfg. Co., Los Angeles, $125.12; 3%.

E. R. Bacon, San Francisco, $165 and alt., $200.

Spearwell Machinery Co., Oakland, $125, 2%.

Atlas Scraper & Engrg. Co., Bell, Cal., $182 and alt., $192, 2%.

Euclid Road Machinery Co., Cleveland, $144 and $152.

La Plant-Choate, Cedar Rapids, Iowa, $121.81.

Solano Iron Works, Berkeley, $125, 2%.

Master Equipment Co., Los Angeles, $187, 2%.

Austin Western Road Machinery Co., Chicago, $155.90, 2%.

BIDS OPENED

BAKERSFIELD, Cal. — Following bids received by the State Bureau of Purchases, Sacramento, for one 35-horsepower Diesel-powered tracklaying-type tractor, under Req. 9335, for delivery f.o.b. Bakersfield:

Hartman Tractor Co., Allis-Chalmers KO Standard, $3415; plus tax; dis., $64.97.

Midland Tractor Co., Caterpillar 35, $3516.37; plus tax; dis., $66.06.

Cousins Tractor Co., Cat. 35, $3553; plus tax; discount, $64.87.

J. D. Adams Co., MCC D TD, $3,562; 2% 30 days.

Bovis Machinery Co., MCC D TD 40, $3562; 10% 30 days.

CONTRACTS AWARDED

EUREKA, Humboldt Co., Cal.—Following contracts awarded by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, Eureka, for rental of 3½-yard dump trucks, for which bids were opened March 26:

A. Harwood, Laytonville, 2 trucks for Garberville, for 350 hours.

M. E. Beckstrom, Trinidad, 2 trucks for Boonville, for 400 hours.

K. N. Dewar, Eureka, 2 trucks for Crescent City, for 500 hours.

W. E. Sinclair, Miranda, four trucks for Garberville, for 650 hours.

Garcia Const. Co., Irvington, two trucks for Garberville, for 1000 hours.

Jack Starkenburg, Los Angeles, four trucks for Garberville, for 1500 hours.

BIDS OPENED

HUMBOLDT COUNTY, Calif.—Following bids received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, 546 W. Wabash Ave., Eureka, April 11, 11 A. M., for the rental of one only 950-gallon water sprinkler truck, for not to exceed 250 hours; the truck to be used in the vicinity of Garberville, Humboldt County.

The bids were (bid per hour operated):

K. N. Dewar, Eureka	$2.79
Chas. Kuppinger, Lakeport	3.00
Wm. Kern, Weott	3.00
E. Della Rosa, Martinez	3.25

All bids held under advisement.

BIDS OPENED

MENDOCINO COUNTY, Calif.—Following bids received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, 546 W. Wabash Ave., Eureka, April 11, 11 A. M., for the rental of one only 2½-yard power dump truck, for not to exceed a total of 600 hours; the truck to be used in the vicinity of Boonville, Mendocino County:

	Rate per hr.
Bruno Skibo, Oakland	$1.365
A. A. Abercrombie, Whittier	1.50
E. P. Jolly, Oakland	1.575
A. S. Hubbs, Colton	1.84
Max Rosenberg, S. F.	1.85

All bids held under advisement.

CONTRACT AWARDED

SAN MATEO COUNTY, Cal.—Daniel Gallagher Draying Co., 172 Beale St., San Francisco, at $15.50 per day submitted low bid and awarded contract by the Department of Public Works, Division of Highways, for the rental of three 3-ton capacity pneumatic tired dump trucks for approximately 100 days; trucks to be used in the vicinity of San Mateo County.

A. Nelson, San Francisco, bid $15.69 and Meyer Rosenberg, San Francisco, bid $21.50.

Identical bids at $15.70 were submitted by M. Bertolino, San Francisco, Hyman Rosenberg, San Francisco, Rock and Gravel Trucking Co., San

Francisco, and Max Rosenberg, San Francisco.

CONTRACT AWARDED

EUREKA, Cal. — Jewett - Rhodes Motor Co., 7th and D Sts., Eureka, awarded contract by Superintendent of Public Works John Griffith, for furnishing one Model 1934 1½-ton truck chassis for use of the Street Railway Department.

Dayton Murray, 7th and C Sts., Eureka, awarded contract for cutting down the body and refinishing and repainting same on a truck now owned by the city.

BIDS OPENED

MARE ISLAND, Cal. — Following bids received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for furnishing truck chassis and steel body for Mare Island, under Sch. 2056, Lot 388A; bids opened April 10:

Corbitt Co., Henderson, N. C., $6,-512.26; 1%.

General Motors Truck Co., Washington, D. C., $6192.38 and $5793.38.

BIDS OPENED

REDDING, Cal.—American Tractor & Equipment Co., 5301 Horton St., Oakland, at $927.50 each (with pumps) and $727.50 each (without pumps) submitted low bid to State Bureau of Purchases, 323 State Capitol, Sacramento, under Quotation 38188, Req 16376, for furnishing two hydraulic dirtmovers or scrapers (to be mounted on "30" Caterpillar Tractors). 2%, 10 days.

Sacramento Tractor & Equipment Co., Sacramento, at $1137 each (with pumps) and $3887 each (without pumps) submitted the only other bid. 5%, 30 days.

Delivery f.o.b. Redding, Shop 2, Division of Highways.

BIDS OPENED

BAKERSFIELD, Kern Co., Calif.—Boiler Tank & Pipe Co., 800 75th Ave., Oakland, at $1,320 submitted low bid to State Bureau of Purchases, Sacramento, April 12 for one hydraulically-operated trailbuilder, Req. 9328. J. D. Adams Co., San Francisco, bid $1426. Identical bids at $1400 were submitted by the following firms: Smith, Booth, Usher, Los Angeles; Midland Tractor Co., Sacramento; Cousins Tractor Co., Inc., Bakersfield; Crook Co., Los Angeles; Master Equipment Co., Los Angeles, and Mack Woolridge Co., Los Angeles.

J. D. Adams Co., 230 Utah St., San Francisco, at $2529 submitted low bid under Req. 9327 for furnishing one 35-hp. Diesel - powered tracklaying type tractor. The bids were:

J. D. Adams Co., S. F.	$2529.00
Smith, Booth, Usher, L. A.	2646.70
Hartman Tractor Co.	2675.94
Cousins Tractor Co., Bakersfield	2708.22
Midland Tractor Co., Sacto.	2719.45

Hartman Tractor Co. submitted a bid of $3,894.94 for the tractor and trailbuilder combined.

BIDS OPENED

BAKERSFIELD, Kern Co., Calif.—Following bids received by the State Bureau of Purchases, Sacramento, for furnishing one hydraulically - operated trailbuilder under Req. 9336, for delivery f.o.b. Bakersfield:

Hartman Tractor Co., Trailbuilder Type B Model BT 35, $1240.25, plus tax.

Boiler Tank & Pipe Co., $1320; 2%, 30 days.

Crook Co., Woolridge, $1400; 5%, 10 days.

Smith, Booth, Usher, Woolridge, for Cletrac 35, $1400; plus tax; 5%, 10 days.

Smith, Booth, Usher, Isaacson for Cat. or AC, $1400; no tax; 5%, 10 days.

Mack Woolridge Co., Woolridge, $1-400; plus tax; 5%, 10 days.

Cousins Tractor Co., Inc., Master for Cat. 35, $1400 plus tax; 5%, 10 days.

Master Equipment Co., Master for Cat. 35, $1400; 5%, 10 days.

J. D. Adams Co., Woolridge, $1500, plus tax; 5%, 30 days.

Midland Tractor Co., Master, $1700; plus tax; 5% 10 days.

BIDS OPENED

BAKERSFIELD, Kern Co., Calif.—Following bids received by the State Bureau of Purchases, Sacramento, for furnishing one hydraulically - operated trail builder, Req. 9329, for delivery f. o. b. Bakersfield:

Midland Tractor Co., Sacramento, Master, $1400, plus tax.

J. D. Adams Co., San Francisco, Continental Woolridge, $1550, no tax.

Boiler Tank & Pipe Co., $1596.

Hartman Tractor Co., HY Drig, $1,-499.24, plus tax.

Cousins Tractor Co., Inc., Bakersfield, $1700, plus tax (Master).

Master Equipment Co., Master, $1,-700.

Smith, Booth, Usher Co., L. A., $1700 (Isaacson).

Mack Woolridge Co., Los Angeles, Woolridge, $1700, plus tax.

Crook Co., Los Angeles, Wooldridge, $1700.

Hartman Tractor Co., no discount. Boiler, Tank & Pipe Co., 2%, 30 days. All others 5%, 30 days.

BIDS OPENED

BAKERSFIELD, Kern Co., Calif.—Following bids received by the State Bureau of Purchases, Sacramento, for furnishing one single drive, one-man motor-grader unit, canopy top, etc., f. o.b. Division of Highways Shop 8, San Bernardino, under Req. 1341:

Spears Wells Mchy. Co., Spearswell Big 8, $2851.75.

E. R. Bacon Co., Wehr, UZ, $2861.75.

Brown Bevis Co., Wehr Std., $2,-883.75.

Crook Co., Allis Chalmers, $3,344.50.

J. D. Adams Co., Adams No. 30, $3,-293.75.

Smith, Booth, Usher Co., L. A., Galion Motor Patrol, $3319.00.

All bids 2% 30 days.

BIDS OPENED.

MOUNTAIN VIEW, Cal.—Following bids received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing two gasoline engine operated locomotives for Mountain View, under Sch. 2059-R:

LOT 391A

Davenport Besler Corp., Davenport, Iowa, $199.80; ½%.

DeHuff & Hopkins, Philadelphia, $1648 and $2124.

Fate-Root-Heath Co., Plymouth, Ohio, $2493.

Vulcan Iron Works, Wilkes-Barre, Pa., $4393, total.

Whitcomb Locomotive Co., Rochelle, Ill., $2154.

LOT 319B do f.o.b. Works

Davenport Besler Corp., Davenport, Iowa, $1725.30; ½%.

DeHuff & Hopkins, Philadelphia, $1454.25 and $1913.

Fate-Root-Heath Co., Plymouth, Ohio, $2175.

Vulcan Iron Works, Wilkes-Barre, Pa. $3700, total.

Whitcomb Locomotive Co., Rochelle, Ill., $1575.

BIDS OPENED

MARE ISLAND, Cal. — Following bids received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., April 10, under Sch. 2055-R for furnishing a motor-driven hacksaw for Mare Island; Lot 386:

Armstrong Blum Mfg. Co., Chicago, $1298.29; 1%.

Harron, Rickard & McCone Co., San Francisco, $1298.29; 1%.

Peerless Machine Co., Racine, Wis., $911.40.

Racine Till & Mch. Co., Racine, Wis., $1047.80 and $718.22.

Lot 387: 1 do, for Mare Island:

Armstrong Blum Mfg. Co., Chicago, $970.72; 1%.

Harron, Rickard & McCone Co., San Francisco, $970.72; 1%.

Peerless Machinery Co., Racine, Wis., $528.40.

Racine Tool & Mch. Co., Racine, Wis., $666.92 and $434.88.

BIDS OPENED

SONOMA COUNTY, Cal.—Following bids received by J. W. Adams, Maintenance Superintendent, 1019 Pearl St., Napa, for the rental of one ⅜ or ½ cu. yd. capacity power shovel for approximately 20 days to be used in the vicinity of 15 miles east of Healdsburg, Sonoma County:

A. D. Robinson, Healdsburg	⅜	$34
Johnson & Nelson, San Anselmo	⅜	36
Layton Hanifen, Pleasanton	½	42
Wieland Equip. Co., Berkeley	½	68

Bids held under advisement.

26— RAILROADS

BIDS OPENED

LOS ANGELES, Cal.—Merritt, Chapman & Scott Corp., 720 Wilmington-Redondo Road, San Pedro, at $21,650 submitted low bid to the Los Angeles County Supervisors April 16 for the construction of an earth levee, furnishing and placing riprap and the construction of a railroad track on the east bank of the San Gabriel river from the Pacific Electric Ry. tracks, Whittier ranch, downstream 2000 ft.

Complete bids follow:

Merritt, Chapman & Scott	$21,650
Ray Schweitzer, L. A.	21,705
Karl B. Kumpe, Ltd., L. A.	22,700
George Hess, Los Angeles	22,785
Wm. C. Horn Co., Pomona	24,910
Mono Const. Co., L. A.	27,500
Fred A. Pellegrino	.....

BIDS WANTED

SAN FRANCISCO—Until May 3, 3 P. M., bids will be received by the Public Utilities Commission, Room 287, City Hall, for the removal of tracks on Masonic Avenue, between Geary Blvd., and Turk St., and restoring pavement; and the removal of tracks on Tenth Ave., between Geary Blvd. and Fulton St., and restoring pavement. The work includes removing rail, loading and hauling to pipe yard, storing, and straightening vertical curve.

Specifications obtainable at Room 609, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10 per set.

BIDS WANTED

FORT PECK, Montana—Until May 4, 12 M., bids will be received by the U. S. Engineer, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of trestles and track for the upstream tunnel spur and upstream toe of dam, near the Missouri River, approximately 25 miles southeast of Glasgow, Montana, at the site of the proposed Fort Peck dam.

Plans may be obtained upon deposit of a certified check, or money order for $25. Theodore Wyman Jr., Captain, Corps of Engineers, Assistant to the Division Engineer.

28—FIRE EQUIPMENT

BIDS WANTED

OAKLAND, Alameda Co., Cal.—Until April 25, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing fire truck chassis with maxi-

mum gross axle capacity of 13,400 lbs. and weight with dual tires of 5000 lbs. Specifications available from above office. Informal Proposal No. 517.

BONDS VOTED

MADERA, Cal.—A $9000 bond issue to finance purchase of a fire truck and fire hose was carried at a bond election April 9.

NO BIDS RECEIVED

BAKERSFIELD, Cal.—No bids were received by V. Van Riper, City Clerk, Bakersfield, for furnishing two Booster Pump Tank Apparatuses for the Bakersfield Fire Department, due to an error in the official advertisement.

New bids will be received until April 23, 5 P. M.

Specifications obtainable from above office.

30—RESERVOIRS & DAMS

BIDS OPENED

FORT PECK, Mont. — Silas Mason Co., Inc., 500 Fifth Ave., New York City, and Walsh Const. Co., Donahue Bldg., Davenport, Iowa, at $7,311,940 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg. Kansas City, April 11 for the construction of four diversion tunnels at the Fort Peck Dam near Glasgow, Montana.

The other bids were:

Frazier-Davis Const. Co., 1319 Macklind Ave., St. Louis, and G. L. Tarlton, 1406 Ambassador Bldg., St. Louis, $7,485,536.

Missouri River Tunnels Co., Kansas City, $8,202,380.

Montana Utah Const. Co., $10,912,213.

Fraser-Brace Const. Co., New York, $10,950,091.

Engineer's estimate, $7,890,285.

PLANNED

PARADISE, Butte Co., Cal.—J. E. Alley, Superintendent, has been instructed by the Directors of Paradise Irrigation District to prepare plans for increasing the height of Magalia Reservoir 47 feet, to impound 10,500 acre feet of water.

BONDS VOTED

LA MESA, Cal.—The La Mesa, Lemon Grove and Spring Valley Irrigation District voted a new bond issue to refinance the district's obligations and to finance the replacement of the old flume. Funds had previously been allocated by the PWA and a contract awarded to the American Concrete & Steel Pipe Company.

BIDS OPENED

RIO VISTA, Cal.—Robert L. Norris, 3975 Eighth Ave., Sacramento, at $1,274 submitted only bid to the U. S. Engineer Office, 208 Post Office Building, Sacramento, under Spec. No. 6277, for drilling a well, the depth to be determined upon by the contracting officer, and the installation of a 7⅝-in. wrought well casing, at the U. S. Engineer depot, Rio Vista.

Engineers estimate, $1,440.

AWARD RECOMMENDED

SAN DIEGO, Calif. — Bodenhamer Const. Co., 354 Hobart St., Oakland, at $197,700 recommended for award by the San Diego Purchasing Agent for the construction of an extension to the spillway at El Capitan Dam.

BIDS OPENED

BONNEVILLE, Ore.—Erick Enquist & Co., Troutdale, Oregon, at $3,856.00 submitted low bid to U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-588, for the clearing of approximately 16 acres of land and cutting approximately 800 cords of wood at the site of the Bonneville Power and Navigation Project, Columbia River, 40 miles east of Portland. The other bids were:

George Waale Co., 329 SW. Oak St., Portland, $5,480.00.

Cook & Dodson, Stevenson, Wash., $6,080.00.

Engineer's estimate, $6,800.00.

BIDS WANTED

LOS ANGELES, Cal.—Until April 23, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction and operation of plant and distribution system for applying water to the faces of San Gabriel Dam No. 2 in accordance with plans and specifications which may be obtained from the Chief Engineer, E. C. Eaton, upon deposit of $2.50. Bids will be taken as follows:

(1) lump sum, Plant No. 1;
(2) lump sum, Plant No. 2;
(3) lump sum, Plant No. 3;
(4) lump sum, Plant No. 4;
(5) 22,000 cu. ft. spreading water on downstream face of dam;
(6) same on upstream face;
(7) 4,000,000 cu. ft. water pumped from Plant 3;
(8) 5,000,000 do from Plant 4;
(9) 16,000 sq. ft. remove facing slab No. 1;
(10) 10,000 sq. ft. do No. 2;
(11) 6,500 sq. ft. do, No. 3;
(12) 2,000 sq. ft. do No. 4;
(13) 2,500 sq. ft. remove sub-slab;
(14) 3,000 lin. ft. drill holes, 1½-inch diameter.

DISPOSAL PLANTS
32—SEWERS & SEWAGE

CONTRACT AWARDED

MODESTO, Stanislaus Co., Calif.—John Pestana, 1061 71st Ave., Oakland, at $4,984.68 awarded contract by the Modesto City Council for the construction of a pressure line and gravity flow line extension to the sanitary

BIDS OPENED

WINSLOW, Ariz.—Bids to furnish 2 centrifugal vertical sewage pumps and 2 three hp. vertical 3-phase motors for the city sewer system were opened by the Winslow City Council April 9. The bids were:

Babbitt Bros. Co., Winslow, Ariz., $1570.66.

Olds Bros. Lumber Co., Winslow, Ariz. $1028 (bid on one Duplex pump only).

Crane Co., Phoenix, Ariz., $1572.66.

Dayton-Dowd Co., Quincy, Illinois, $1266.86.

BONDS VOTED

KING CITY, Cal.—A $20,000 bond issue to finance construction of a sewer system carried by a vote of 102 to 89, at the election April 11 in King City.

..PLANS COMPLETED

CARLIN, Nev.—City Engineer C. F. DeArmond, Elko, has completed plans for a sewer system estimated to cost $33,000. Bonds have been voted.

BIDS WANTED

EUREKA, Cal.—Until May 8, 11 A. M., bids will be received by the Public Works Officer, U. S. Navy Yard Mare Island, under Spec. No. 7663, for replacing present terra cotta sewers leading from Buildings E-1 and E-3 to septic tank, with new cast iron sewers and a new elbow on sewer line at Building E-4, at the U. S. Naval Radio Station, Eureka (Table Bluff), Calif.

Drawings and specifications obtainable from Commandant, Navy Yard, Mare Island, upon deposit of $5.

Prospective Bidders

MONTEREY, Calif.—Following have procured plans for the construction of an outfall sewer and intercepting sewers in Monterey, for which bids will be opened April 24, 7:30 p. m. (bid opening date may be extended due to delay in obtaining final approval of new specifications):

Geo. C. DeGolyer, 217 Federal Telegraph Bldg., Oakland.

Merritt, Chapman & Scott Corp., San Pedro.

Clark & Henery Construction Co., 564 Market St., San Francisco.

Healy-Tibbits Construction Co., 64 Pine Street, San Francisco.

Frederick W. Snook., 596 Clay St., San Francisco.

MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco.

Pacific States Construction Co., 596 Call Bldg., San Francisco.

W. J. Tobin, 3701 Balfour Avenue, Oakland.

Guy F. Atkinson, 658 Russ Bldg., San Francisco.

Fredrickson & Watson and Fredrickson Bros., 873 31st St., Oakland.

M. B. McGowan, Inc., 74 New Montgomery Street, San Francisco.

Clinton-Stephenson Construction Co., Ltd., 550 Montgomery Street, San Francisco.

PROSPECTIVE BIDDERS

COALINGA, Cal.—Following have procured plans for the construction of a complete sewage treatment work and outfall extension for Coalinga, for which bids will be opened April 19, 5 P. M., by the Coalinga City Council, as previously reported

E. W. Redman, Rt. 9, Box 108A, Fresno.

A. Soda & Son, 1077 65th St., Oakland.

W. J. Tobin, 3701 Balfour Ave., Oakland.

R. B. McNair, 3745 Rhoda St., Oakland.

C. Dudley DeVelbiss, 354 Hobart St., Oakland.

John S. Bates, 3134 Eton St., Berkeley, is consulting engineer.

33—WATERWORKS

BIDS OPENED

SAN DIEGO, Cal.—Bids for furnishing pipe and fittings for Rincon Project F. P. 203, located in San Diego County, were opened by the U. S. Indian Service April 10. The items are:

(1) 3000 ft. 12-in. 12-ga., electrically welded steel pipe, in 20-ft. lengths, with drive ends, dipped with highest grade asphalt and wrapped with woven cotton fabric saturated with bituminous substances complying with A. S. T. M. Spec. D-173-27;

(2) two 45-degree elbows, equipped with heavy driving lugs;

(3) one 12x12x10-in. tee.

The bids were:

West Coast Pipe & Steel Co., net; delivery 21 days; (1) $.825 (2) $7.00 (3) $6.50.

Lacy Mfg. Co., net; delivery 30 days; (1) $1.18 (2) $10.00 (3) $10.30.

Crane Co., 2%; delivery 20 days; (1) $1.30 (2) $4.00 (3) $7.00.

Consolidated Steel Corp., Ltd., net; delivery 12 days; (1) $.76 (2) $10.00 (3) $14.00.

Western Pipe & Steel Co., net; delivery 25 days; (1) $1.14 (2) $12.00 (3) $12.00.

State Steel Products, Inc., net; delivery 21 days; (1) $.87 (2) $13.00 (3) $12.00.

American Pipe & Steel Corp., Ltd., net; delivery 21 days; (1) $.795 (2) $10 (3) $11.00. 33

BIDS WANTED

MANHATTAN BEACH, Cal.—Until May 3, 8 P. M., bids will be received by the Manhattan Beach city council for furnishing and installing one direct connected deep well turbine pump in a 16-in. well, No. 4, located in Manhattan Beach, and which shall have a capacity of 300-gpm. against a total head of 240 ft. Specifications may be

obtained at the office of the Water Superintendent. Merritt J. Crandall, City Clerk.

BIDS OPENED

MODESTO, Stanislaus Co., Calif.—Following bids received by the Modesto City Council April 11, for furnishing 5,500 ft. welded steel pipe, soil proofed, and miscellaneous valves and fittings:

California Corrugated Culvert Co., 5th and Parker Sts., Berkeley, $2,924.-18 (Johns-Manville wrapped); $3,093.-18 (alternate special).

Montague Pipe & Steel Co., San Francisco, $3,242.71.

Western Pipe & Steel Co., San Francisco, $3,484.94.

The following firms bid on valves only:

Federal Pipe & Supply, S. F.....$165.08
Walworth Calif., Co., S. F..... 165.08
Crane Co., S. F..... 165.08
Rensselaer Valve Co., S. F..... 165.08
Alternate 190.96

All bids held under advisement for two weeks. * 33

BIDS WANTED

MARCH FIELD, Cal.—Until April 24 10 A. M., bids will be received by the Constructing Quartermaster, March Field, Riverside, for one deep well turbine pump, motor-driven, with automatic electric control, the construction of a well pump house, and discharge lines to ground tanks at March Field.

Specifications obtainable from above office.

CONTRACT AWARDED

SAN FRANCISCO.—United Pipe and Supply Co., 727 Brannan St., awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing galvanized wrought steel water pipe for the S. F. Water Dept., under Bid No. 1166.

PLANS COMPLETED

CARLIN, Nev.—City Engineer C. F. DeArmond, Elko, has completed plans for a water system estimated to cost $67,000. Bonds have been voted.

BIDS OPENED

MARE ISLAND, Cal.—As previously reported, C. C. Moore Co., 450 Mission St., San Francisco, at $11,560 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a continuous blow-down water softening and chemical feeding system at the Navy Yard, Mare Island. Specification No. 7610. Following bids received:

C. C. Moore & Co., S. F.....$11,564
Permutit Co., New York City.... 11,679
Elgin Softener Corp., Elgin, Ill. 12,476
Ocean Shore Iron Works, S. F. 16,788

Bids held under advisement.

BIDS WANTED

SPOKANE, Wash.—Until April 26, 9:30 A. M., bids will be received by the Spokane City Council for furnishing approximately 13 miles of pipe, pumps and fittings necessary for the installation of a distributing system at the Indian Canyon golf course. Estimated cost, $70,000.

CONTRACT AWARDED

FORT PECK, Montana—Municipal Service Co., 528 Dwight Bldg., Kansas City, Mo., at $34,743 awarded contract by the U. S. Engineer Office, Kansas City Mo., for the installation of a gas distribution system.

CONTRACT AWARDED

FORT PECK, Montana—C. E. Lytle, 504 Nebraska St., Sioux City, Iowa, at $224,000 awarded contract by U. S. Engineer Office, Kansas City, Mo., for constructing a sewage system and a water distribution system at the site of the Fort Peck Construction Camp.

34—PARKS AND PLAY-GROUNDS

BIDS WANTED

HANFORD, Kings Co., Cal.—Until April 16, 8 P. M., bids will be received by D. C. Williams, City Clerk, Hanford, for spraying Elm trees in the City of Hanford. All bids to be addressed to City Clerk. 34

Plans Being Completed

WATER TANKS Cost, $——
HAMILTON FIELD, Marin Co., Calif.
Construct two concrete water tanks (60x120 ft.) tile work, etc.
Owner—United States Government.
Plans by Constructing Quartermaster, Hamilton Field.
Bids will be asked in about 1 week.

BIDS WANTED.

SAN REFAEL, Marin Co., Calif—Until May 30th, bids will be received by Marin Junior College Board for construction of a new tennis court at the Marin Junior College, San Rafael. 34

BIDS WANTED

SAN RAFAEL, Marin Co., Calif.—Until April 30th bids will be received by Marin Junior College for the construction of a new tennis court at the Marin Junior College, San Rafael. Date was previously reported as May 30th which was in error.

BIDS WANTED

SAN FRANCISCO.—Until May 3, 2 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for fencing Priest and Moccasin Reservoirs; H.H.W.S. Contract No. 148. The work involves:

(1) Lyman 4-point galv. barbed wire, (Priest) 32,500 lin. ft.; (Moccasin) 11,600 lin. ft.;
(2) zinc insulated woven wire, 12-in. stay, (Priest) 10,860 lin. ft., (Moccasin) 3,860 lin. ft.;
(3) American Steel & Wire Co.'s Design 726, Spec. 11 fencing, (Priest) 790, (Mocassin) 280.
(4) galvanized anchor fence posts with clamps, etc., (Priest) 10 ea., (Moccasin) 6 each;
(5) galv. tubular steel end posts, 2½-in. dia., 7 ft. 6 in. long with brace and collar, (Priest) 18 each, (Moccasin) 6 each.
(6) galvanized tubular steel gate posts do, (Priest) 4 ea., (Mocassin) 2 ea.
(7) galvanized tubular steel anchor posts, do (Priest) 14 ea., (Moccasin) 8 each;
(8) American single-drive gates, plain top, (Priest) 2 each, (Moccasin) ...
(9) 3 ft. 6-in. walkway gate, Priest) ....; (Moccasin) 1 each.

Plans and specifications obtainable at Room 609, San Francisco Water Dept., 425 Mason St., upon deposit of $10. *

Contract Awarded.

ALAMEDA, Alameda Co., Cal.—W. H. Larson, 432 Michigan Ave., Berkeley, at $1586 awarded contract by Alameda City Council for the construction of two tennis courts in Franklin Park, Alameda. Work involves:

(1) 480 ft. redwood header boards in place;
(2) 170 tons crusher-run base;
(3) 175 tons asphalt concrete base;
(4) 90 tons asphalt concrete top.

Following bids received:

W. H. Larson, Berkeley.....$1586
Ransome Company, Emeryville.... 2070
Heafey Moore Co., Oakland..... 2295

BIDS WANTED

WOODLAND, Yolo Co., Cal.—Until April 23, bids will be received by L. E. Wraith, President, Woodland High School District, for furnishing and erecting a non-climable steel wire fence along the West and North side of the High School grounds bordering on South Elm Street and West Bartlett Street, Woodland. Specifications available from above office. Certified check for an amount equal to at leat 10% of amount bid required.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

SAN LUIS OBISPO CO., Cal.—John Fesler, P. O. Box 481, Santa Maria, at $1,215 awarded contract by the State Highway Commission, Sacramento, for constructing curbs and gutters in the City of Arroyo Grande, San Luis Obispo County, between Nelson St. and the east end of the bridge across Arroyo Grande Creek.

LOW BIDDER

LOS ANGELES, Cal.—O'Neal & Son 8677 W. Pico Blvd., Los Angeles, at $20,499.96 submitted low bid to the Los Angeles Board of Public Works for grading, paving and otherwise improving the streets in the Kingman Ave. and Estrada Drive Improvement District.

LOW BIDDER

LOS ANGELES, Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, at $203,976.01 submitted low bid to the Los Angeles Board of Public Works for the construction of a storm drain in a portion of Macy St. between Los Angeles River and a point 173 ft. west of Avila St., to serve the Union Passenger Terminal Station, Los Angeles.

BIDS WANTED

COCONINO CO., Ariz.—Until May 8, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a bituminous treated crushed rock surfacing on Sections H of Grand Canyon Route 10 and Sections A, B and C of the Cameron - Desert View Approach to Grand Canyon National Park Coconino County. The length of the project is 17.546 miles, and involves:

(1) 80 cu. yds. unclassified excav. for structures;
(2) 59 cu. yds. masonry;
(3) 8,800 tons crushed rock for shoulders;
(4) 345 tons supplemental do;
(5) 27,990 tons bit. treated crushed rock;
(6) 1,950 tons supplemental do;
(7) 317 tons applying Govt. furnished asph. material prime coat;
(8) 86 tons do seal coat.

Plans and specifications obtainable from the above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10. * 29

CONTRACT AWARDED

SAN FRANCISCO—Fay Improvement Co., Phelan Bldg., at $56,325 awarded contract by State Highway Commission, Sacramento, for paving with asphalt concrete about 1.3 mi. between Bay Shore Blvd. and Mission St. viaduct in San Francisco.

CONTRACT AWARDED

SAN FRANCISCO—A. J. Raisch Co., 215 Kearny St., San Francisco, at $69,461 awarded contract by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 0.7 mi. on Bryant St., bet. Fifth and Tenth Sts., San Francisco.

LOW BIDDER

LOS ANGELES, Cal.—Southern California Roads Co., 2145 E. 25th Street, Los Angeles, at $273,449.21 submitted low bid to the Los Angeles Board of Public Works for the improvement of Sepulveda Blvd. bet. Ventura Blvd.

BIDS WANTED

SAN FRANCISCO — Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251 City Hall, plans to improve (expediency) the crossing of Filbert and Kearny Sts. Work involves:

(1) 200 cu. yds. excavation;
(2) 35 cu. yds. conc. in retaining walls and posts;
(3 2520 lbs. reinforcing steel;
(4) 17 lin. ft. conc. coping (10-in. by 18-in.);
(5) 7 lin. ft. conc. coping (10-in. by 12-in.);
(6) 79 lin. ft. unarmored conc. curb;
(7) 26 lin. ft. granite curb reset;
(8) 650 sq. ft. one-course concrete sidewalk;
(9) 1600 sq. ft. 6-in. Class E conc. pavement;
(10) 1 storm water inlet;
(11) 20 lin. ft. 10-in. V.C.P. culvert;
(12) 10 lin. ft. 10-in cast iron pipe culvert (Class C);
(13) 220 lin. ft. 1½-in. Std. W.I.G. pipe in railings.

Plans and specifications obtainable from above office upon deposit of $10. Estimated cost, $1600.

CONTRACT AWARDED

SAN FRANCISCO — Fay Improvement Co., Phelan Bldg., at $66,384 awarded contract by State Highway Commission, Sacramento, for paving with asphalt concrete about 0.9 mi. between Van Ness Ave. and Division St., in San Francisco.

BIDS WANTED

ARIZONA STATE.—Until Apr. 25, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for grading, draining, placing base course and road mix on the Prescott-Jerome Highway, NRS 19-A beginning at Ashfork - Jerome Highway junction and extending northeast about 9.25 miles, involving:

(1) 24,000 cu. yds. rdwy. excav.;
(2) 100 cu. yds. struc. excav.;
(3) 3,600 cu. yds. borow;
(4) 77,500 lin. ft. line fence;
(5) 29,000 cu. yds. agg. base;
(6) 114,000 cu. yds. ml. agg. base haul
(7) 10,000 cu. yds. mineral aggregate;
(8) 182,000 gals. road oil;
(9) 9.25 miles processing road mix;
(10) 228 tons emulsified asphalt;
(11) 800 cu. yds. screenings.

Specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

CONTRACT AWARDED

MASON, Jefferson and Kitsap Cos., Wash.—Port Townsend Sand & Gravel Co., Port Townsend, at $10,151 was awarded the contract by Washington State Highway Department April 10 for stockpiling for 65.5 miles, Lilliquap to Wildwood Park and Chico Creek to Kingston, in Mason, Jefferson and Kitsap counties. The other bids were: Independent Asphalt Paving Co., Seattle, $7,673 (Schedule B), and R. O. Dail, Aberdeen, $11,446 for Schedule A.

Port Townsend Sand & Gravel Co. bid on Schedule A.

CONTRACT AWARDED

WAHKLAKUM and Pacific Counties Wash.—Doolittle Bros., Inc., Woodinvile, Wash., at $28,822 awarded contract by Washington State Highway Department April 10 for surfacing and stockpiling for 24.6 miles K. M. Mountain to Grays River to Johnsons Landing. Other bids were:

H. G. Johnson, Portland.....$31,923
Mirene Co., Portland..... 34,426

BIDS OPENED

WHITMAN COUNTY, Wash.—F. R. Howett, Spokane, at $45,472 submitted only bid to Washington State Highway Department, April 10 for 17.9 mi. stockpiling on Inland Empire Highway, eastern route, Junction State Road 3 to Oakdale and Idaho State line to Colton. Bid held under advisement.

CONTRACT TO BE AWARDED

MARCH FIELD, Riverside Co., Cal. —G. R. Abbott, P. O. Box 271, La Jolla, was recommended by the Constructing Quartermaster, Lieut. Chas. F. Fletter, March Field, for award of contract at $8034.31, for reconditioning roads at March Field. The figure is based upon the omission of 1072 ft. curb, 8300 lin. ft. 4-in. concrete walk and 1843 sq. yds. reinf. conc. pavement items 2, 3, and 4

AWARD RECOMMENDED

TRINITY COUNTY, Cal.—Award of a contract to Tieslau Bros., 1315 Allston Way Berkeley, at $11,510 for placing selected material subgrade reinforcement on Section A and a portion of Section C of Route 5, Douglas City-Peanut National Forest Highway, Trinity National Forest, has been recommended by District Engineer C. H. Sweetser, U. S. Bur. of Public Roads, San Francisco.

BIDS REJECTED

HUMBOLDT COUNTY, Cal.—Mercer-Fraser Co., Eureka, at $12,566.40 submitted the only bid to the Humboldt County Board of Supervisors, Eureka, April 12, for resurfacing 0.8 mile between Samoa and Arcata. The bid was rejected.

BIDS WANTED

ELKO COUNTY, Nevada—Until Apr. 25,2:30 P. M., bids will be received by the Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, S. C. Durkee, State Highway Engineer for construction of a portion of the State Highway system in Elko County between 5 miles and 25 miles north of Currie, Route 13, Section A-2 and B-1a, a length of 20 miles, involving:

(1) 100 acres clear and grub.;
(2) 117,700 cu. yds. rdwy. excav.;
(3) 37,428 sta. yds. overhaul;
(4) 20,879 cu. yds. select borrow;
(5) 1850 cu. yds. struc. excav.;
(6) 20 miles subgrade;
(7) 47,600 cu. yds. cru. gravel or stone surface;
(8) 25 cu. yds. Class A concrete;
(9) 218 cu. yds. Class B concrete;
(10) 7100 lbs. reinf. steel;
(11) 1732 lin. ft. 8-in. CMP;
(12) 3130 lin. ft. 24-in. CMP;
(13) 122 lin. ft. 30-in. CMP;
(14) 462 lin. ft. 36-in. CMP;
(15) 605 lin. ft. remove fence;
(16) 1518 lin. ft. construct fence;
(17) 54 each monuments;
(18) 20 miles finishing roadway.

Plans and specifications obtainable from above office upon deposit of $5; $2.50 returable, and on file at the office of the Bureau of Public Roads, San Francisco.

BIDS WANTED

NYE COUNTY, Nev.—Until April 25, 2 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for construction of a portion of the State Highway System in Nye County, between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5, Section B-2, C, and D-1, a length of 17 miles, involving:

(1) 39 acres clear and grub.;
(2) 70,300 cu. yds. rdwy. excav.;
(3) 24,894 sta. yds. overhaul;
(4) 2220 cu. yds. struc. excav.;
(5) 17 miles subgrade;
(6) 40,200 cu. yds. cru. gravel or stone surface;
(7) 200 cu. yds. Class A concrete;
(8) 100 cu. yds. Class B concrete;
(9) 26,600 lbs. reinf. steel;
(10) 68 lin. ft. 18-in. CMP;
(11) 1174 lin. ft. 24-in. CMP;
(12) 1296 lin. ft. 30-in. CMP;
(13) 700 lin. ft. 36-in. CMP;
(14) 44 lin. ft. remove culvert pipe;
(15) 100 cu. yds. riprap;
(16) 60 each monuments;
(17) 17 miles finish roadway.

BIDS WANTED

WASHOE COUNTY, Nevada—Until April 25, 3 P. M., bids will be received by Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, S. C. Durkee, State Highway Engineer, for construction of Fourth St. from its junction with Reno-Verdi Highway to the west Sparks City limits and on Virginia Street, Reno, Routes 1 and 3, Sections A-1, A-4, B-1 B-5 and B-2, a length of 4.31 miles, involving:

(1) 18,070 cu. yds. rdwy. excav.;
(2) 20,830 cu. yds. select borrow;
(3) 1140 cu. yds. struc. excav.;
(4) 64,112 sq. yds. subgrade for pave.
(5) 2820 cu. yqds. cru. gravel or stone surface;
(6) 360 cu. yds. cru. gravel or stone base;
(7) 1290 tons course aggregate;
(8) 215 tons key rock;
(9) 270 tons screenings;
(10) 130 cons emulsified asph. penetration;
(11) 45 tons emulsified asph. mixing;
(12) 11,476 tons asph. conc. base;
(13) 16,334 tons asph. conc. surface;
(14) 800 cu. yds. cem. conc. base;
(15) 181 cu. yds. Class A concrete;
(16) 3 cu. yds. Class B concrete;
(17) 9046 lin. ft. conc. curb and gutter type 1;
(18) 6560 lin. ft. conc. gutter;
(19) 17,180 lbs. reinf. steel;
(20) 3800 lbs. castings;
(21) 950 lin. ft. 8-in. perf. pipe;
(22) 798 lin. ft. 10-in. do;
(23) 1480 lin. ft. 12-in. 60;
(24) 16 lin. ft. 8-in. CMP;
(25) 162 lin. ft. 10-in. CMP;
(26) 74 lin. ft. 15-in. CMP;
(27) 278 lin. ft. 24-in. CMP;
(28) 0.59 miles traffic stripe;
(29) 9689 lin. ft. side forms;
(30) 744 lin. ft. remove culvert pipe;
(31) 96 lin. ft. relay culvert pipe;
(32) 2 each move pipe culvert headwalls;
(33) 4 each railroad crossings;
(34) 2865 lin. ft. remove fence;
(35) 2865 lin. ft. reconstruct fence;
(36) 2 each remove culvert headwalls;
(37) 600 cu. yds. gravel backfill;
(38) 17 each monuments;
(39) 2534 lin. ft. conc. curb and gutter type 2.

Plans and specifications available from above office upon deposit of $5; $2.50 returnable, and on file at the Bureau of Public Roads, 461 Market St., San Francisco.

CONTRACT AWARDED

TEHAMA COUNTY, Calif.—Tiffany Const. Co., 535 N. 7th St., San Jose, at $37,377.22 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading Section E and placing subgrade reinforcement on Section E and portions of Sections A, B, C ,and D of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama County.

BIDS WANTED

MENDOCINO COUNTY, Cal.—Until May 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with fuel oil about 51:1 miles in Mendocino County, between Gualala and Mendocino. The work requires:

(1) 3380 bbls. light fuel oil;
(2) 3380 bbls. heavy fuel oil.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco, Los Angeles and the district in which the work is situated.

BIDS WANTED

HAMILTON FIELD, Cal. — Until April 25, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, San Rafael, for excavating and hauling 20,000 cu. yds. of unclassified material at Hamilton Field. Bid sheet and information may be obtained from the above office.

PLANS COMPLETED

LOS ANGELES, Cal.—Lloyd Aldrich, City Engineer, has completed plans for the improvement of El Molena Ave., between Figueroa St. and Colorado Blvd. by the construction of 3-in. prmanent pavement 56 feet wide, consisting of 2-in. Warrenite Bitulithic wearing surface on 6-in. asphaltic concrete base 40- ft.wide, and 8-in. concrete pavement 7-ft. wide on each side to serve as gutters, together with curbs and sidewalks.

FUNDS APPROPRIATED

BERKELEY, Cal.—Alameda County Board of Supervisors has granted $30,000 for the improvement of Tunnel Road from Domingo Ave. to the City limits of Berkeley. The road will be widened from the present 18 feet roadway to a uniform 26 feet roadway for a distance of 1800 ft. to provide the Berkeley approach to the proposed Broadway low level tunnel. A new retaining wall will also be constructed. An additional grant of $34,000 will be asked from the State.

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—W. Von Der Hellen and C. B. Pierson, Castaic, Cal., at $122,275.60 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, C. H. Sweetser, District Engineer, for grading Section B of Route 60, Arroyo Seca National Forest Highway, Angeles National Forest, in Los Angeles.

Von Der Hellen & Pierson submitted second low bid. Low bid was submitted by Mono Constr. Co., Los Angeles, at $112,169.40.

CONTRACT AWARDED

ARIZONA STATE — Wm. Pepper, Box 1564, Phoenix, and Lee Frost, Joseph City, Ariz., bidding jointly, at $9719 awarded contract by Arizona State Highway Commission, Phoenix, April 14, for grading, draining and placing aggregate base course over 1 mile of roadway realignment on the Holbrook-St. Johns Highway, NRH 42, about 16.5 miles southeast of Holbrook, near the Petrified Forest.

CONTRACT AWARDED

KITSAP COUNTY, Wash.—Independent Asphalt Paving Co., 914 Seaboard Bldg., Seattle, at $7,673.40 awarded the contract by Washington State Highway Commission, Olympia, for stockpiling of about 4,410 cu. yds. crushed stone surfacing and oil rock for about 32.4 miles of State Road No. 21, Chico Creek to Kingston, Section B of Unit 3, in Kitsap County.

CONTRACT AWARDED

CHELAN COUNTY, Wash.—L. Romano Engr. Corp., 1300 Dearborn St., Seattle, at $31,203 awarded contract by Washington State Highway Commission for grading and surfacing with crushed stone about 1.2 miles in the City of Leavenworth, Chelan County; U.S.P.W. Project NRM 190-B.

CONTRACT AWARDED

WAHKIAKUM COUNTY, Wash. — The Mirene Co., P. O. Box 5686, Kenton Station, Portland, at $56,213.45 was awarded contract by the Washington State Highway Commission April 10 for grading, surfacing and constructing treated pile and timber trestle 76-ft. long on about 2.2 miles in Wahkiakum County between Grays River and the town of Grays River.

BIDS WANTED

KERN COUNTY, Cal.—Until May 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with fuel oil about 15.8 miles in Kern County, between the westerly boundary and 6.6 miles west of McKittrick, and between the junction of State Highway Route 58 and State Highway Route 144 and the State Institution for Women. Work requires:

(1) 5500 bbls. heavy fuel oil;
(2) 15.8 mi. mixing and shaping oil treated material.

Plans and specifications obtainable from above office and on file at the District Engineers' offices in San Francisco, Los Angeles and the district in which the work is situated.

BIDS WANTED

NEVADA AND SIERRA COUNTIES, Cal.—Until May 1, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, Dist. Engineer, Dist. III, Marysville Hotel, Marysville, for treating with fuel oil about 7 miles between Truckee and Hobart Mills in Nevada County, (III-Nev-83-A), and in Sierra County, between Sierraville and Calpine, about 8.3 miles (III-Sie-83-B); between Sierra City and the junction of State Highway Route 25 and State Highway Route 83, about 17.9 miles (III-Sie-25 B & C).

Plans and specifications obtainable from the above office.

BIDS WANTED

ORANGE COUNTY, Cal.—Until May 4, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou, Dist. Engineer, Dist. VII, 808 State Bldg., Los Angeles, for placing 26.5 miles of bituminous seal coat in Orange County between Newport and Dana Point, between Dohney Park and Galivan, and between Irvine and Tustin (VII-Ora-60-2-A, B, C, A, C).

The work requires:

(1) 229,170 sq. yds. preparing surface, spreading asphaltic road oil and screenings, shaping and rolling;
(2) 215 tons furnish and haul asphaltic road oil (Location A);
(3) 74 tons furnish and haul asphaltic road oil (Location B);
(4) 2125 tons furnish and haul screenings (Location A);
(5) 730 tons furnish and haul screenings (Location B).

Plans and specifications obtainable from above address.

COMPLETE BIDS

TEHAMA COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $8470, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Dist. II, Redding, for treating with fuel oil about 30.6 miles in Tehama County between the Junction of Route 29 and Route 3, westerly on Route 29 to Wells Creek. The work required 3850 bbls heavy fuel oil, in place. Complete bids follow:

E. A. Forde, San Anselmo, $2.20; $8470
C. F. Frederickson & Sons, Lower Lake, $2.23; $8585.50.
Tiffany Construction Co., San Jose, $2.30; $8855.
Hemstreet & Bell, Marysville, $2.59; $9971.50.

All bids forwarded to Sacramento for award.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening April 25.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue line prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened Apr. 25:

II-Mod-28-C between Lakeview Road and Cedarville: Plans (No. of sheets) 9; (cost) $.90; Cross-sections (No. of sheets) 41, (cost) $4.10; (total) $5.00.

IV-Mrn-56-B&C bet. Stinson Beach and Marshall; no charge.

IV-Son,Men-1-D&L between Cloverdale and Hopland; no charge.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

CONTRACT AWARDED

NAPA COUNTY, Cal.—Basalt Rock Co., Inc., 900 Eighth St., Napa, at $5476 ($1.48 per bbl.) awarded contract by State Highway Commission, Sacramento, for trtating with fuel oil about 28.5 miles in Napa County, bet. Napa and the easterly boundary. The work requires 3700 bbls. light fuel oil.

BIDS WANTED

FRESNO & TULARE COUNTIES, Cal.—Until May 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with fuel oil about 87 miles in Fresno and Tulare Counties between Orange Cove Road and General Grant Nat'l. Park, and between Academy and the east end of Huntington Lake. The work requires:

(1) 9850 bbls. heavy fuel oil;
(2) 87 miles preparing roadbed.

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HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

BIDS WANTED

WASHOE COUNTY, Nevada—Until April 30, 2 P. M., bids will be received by the Nevada State Highway Directore, S. C. Durkee, State Highway Director, Heroes Memorial Bldg., Carson City, for constructing a portion of tht State Highway system in Washoe County between the west city limits and the east city limits of Sparks a length of 2.01 miles; Route 1, Section B-3. The work involves:
(1) 16,800 cu. yds. rdwy. excav.;
(2) 2910 cu. yds. select borrow;
(3) 1300 cu. y ds. struc. excav.;
(4) 44,700 sq. yds. subgrade for pave.
(5) 3300 cu. yds. crushed gravel or stone surface;
(6) 10,150 tons asph. conc. base;
(7) 8000 tons asph. conc. surface;
(8) 270 cu. yd. Class A concrete;
(9) 17 cu. yds. Class A concrete;
(10) 10,400 lin. ft. concrete curb and gutter, Type I;
(11) 2220 lin. ft. concrete curb and gutter, Type II;
(12) 600 sq. yds. concrete gutter;
(13) 130 sq. yds. concrete sidewalk;
(14) 1350 lin. ft. 8-in. CMP;
(15) 1078 lin. ft. 10-in. CMP;
(16) 1152 lin. ft. 12-in CMP;
(17) 40 lin. ft. 18-in. CMP;
(18) 208 lin. ft. 24-in. CMP;
(19) 21,000 lbs. reinf. steel;
(20) 0.94 miles traffic stripe;
(21) 8600 lin. ft. side forms;
(22) 18 lin. ft. remove culvert pipe;
(23) 1760 lin. ft. remove fence;
(24) 1295 lin. ft. reconst fence;
(25) 7500 lbs. castings;
(26) 40 cu. yds. remove concrete;
(27) 2 each remove culverts;
(28) 56 lin. ft. pipe railings.

Plans and specifications obtainable from above office upon deposit of $5, $2.50 returnable.

BIDS WANTED

GRAHAM COUNTY, Arizona.—Until May 4, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Geronimo - Solomonville Highway, N. R. M. 43 and N. R. M. 67 (Thatcher Streets, A. F. E. 526) and (Safford Streets, A. F. E. 523). The work, which is located within the towns of Thatcher and Safford and is approximately two-thirds of a mile in length, consisting of concrete pavement widening. The work involves:
(1) 2,000 cu. yds. rdwy. excav.;
(2) 1,100 cu. yds. agg. base course;
(3) 26 cu. yds. Class A concrete;
(4) 2,100 lbs. reinf. steel;
(5) 7,100 sq. yds. concrete pavement;
(6) other incidental items.

Plans obtainable from above office.

BIDS WANTED

OREGON STATE.—Until April 26, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, third floor, Public Service Bldg., Sixth and Salmon Sts., Portland, as follows:

Hood River County—Stockpiles

Parkdale Rock Production Project on Ht. Hood Highway; State Project. Furnish approximately 6,000 cu. yds. crushed gravel in stockpiles.

Jackson Co.—Roadbed Widening, Etc.

Agate-Little Butte Creek Section of Crater Lake Highway, National Recovery Projects NRS 47-A and NRS 47B; 3.54 miles roadbed widening and penetration type bituminous macadam and furnish crushed rock in stockpiles. The work requires:
(1) 10,600 cu. yds. excavation;
(2) 2,500 cu. yds. gravel shoulders;
(3) 37,400 sq. yds. bit. macadam;
(4) 6,000 cu. yds. crushed rock in stockpiles.

Lane County—Grade, Surface, Treat

Siuslaw River Bridge approaches on Oregon Coast Highway, National Recovery Projects NRH 144C, NRM 144C, and NRH 144B; 1.06 miles grading, surfacing and oil mat surface treatment. The work requires:
(1) 34,800 cu. yds. excavation;
(2) 3,900 cu. yds. rock sub-base;
(3) 1,000 cu. yds. crushed rock surf.;
(4) 700 cu. yds. gravel shoulders;
(5) 13,800 sq. yds. oil mat surface treatment;

Lane County—Landscaping Project

Pacific-McKenzie Highway Junction Landscaping Project on the McKenzie Highway, National Recovery Project NRH 117-B. The work requires:
(1) 250 cu. yds. excavation;
(2) 420 lin. ft. concrete curb;
(3) 270 cu. yds. plant bed top soil;
(4) 40 cu. yds. crushed gravel surf.;
(5) furnish and plant of 240 shrubs & 330 ground cover plants.

Tillamook County—Roadbed & Trestle

Austin Creek - Upper Yach Bridge Section of Little Nestucca Secondary Highway, State Project. Construction of 1.28 miles of highway roadbed and 66 lin. ft. treated timber trestle. Requires approx. 17,300 cu. yds. excavation and 3,300 cu. yds. rock topping.

Umatilla County—Surfacing

North Unit, Cold Springs-Holdman Section of the Pendleton-Cold Springs Highway, State Project. Application of 5.2 miles roadmix surface treatment.

Wasco County—Macadam and Gravel Shoulders

The Dalles Section of the Columbia River Highway, National Recovery Project NRM 36-B, 0.7 mile penetration type bituminous macadam and gravel shoulders. Requires approximately 8,600 sq. yds. bituminous macadam and 700 cu. yds. pit-run gravel shoulders.

Plans and specifications obtainable from the office of the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00 per set.

BIDS WANTED

SAN FRANCISCO.—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Fitzgerald Avenue between Third and Jennings Sts., including the crossing of Keith Street and Fitzgerald Avenue.

The work involves:
(1) 4500 cu. yds. grading (excav.);
(2) 110 cu. yds. grading (embankment)
(3) 632 lin. ft. 12-in. vit. clay pipe sewer in place;
(4) 46 12x6-in. vitrified clay pipe wye branches in place;
(5) 1 brick catchbasin, complete;
(6) 35 lin. ft. 10-in. vit. clay pipe culvert in place;
(7) 2 brick manholes complete.

Estimated cost, $2,500. Specifications obtainable from the above office upon deposit of $10.

CONTRACT AWARDED

SIERRA COUNTY, Calif. — Central States Contracting Co., Ltd., 344 High St., Oakland, at $159,984.30 awarded contract by U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and placing crushed gravel subgrade reinforcement on Section A of Route 27, the Sierraville-Hobart National Forest in Sierra County.

BIDS OPENED

NAVAJO COUNTY, Ariz.—Porter & Shelly, Heber, Ariz., submitted the low bid to the U. S. Bureau of Public Roads, Phoenix, April 6 at $2214 for highway construction on Route 12, Globe-Holbrook Section K & L (part) 18.260 miles, Sitgraves National Forest, Navajo County. The engineer recommended that the contract be awarded to the low bidder. The work involves:
(1) 2700 cu. yds. selected material for subgrade reinforcement;
(2) 9000 cu. yds. hauling selected material for subgrade reinforcement

The bids were:

Porter & Shelley, Heber, (1) $.32; (2) $.15; (total) $2214.

Leo Frost, Joseph City, Ariz., (1) $.30; (2) $.16; (total) $2250.

R. S. Black, Clifton, Ariz., (1) $.35; (2) $.15; (total) $2295.

BIDS WANTED

MARIPOSA COUNTY, Cal. — Until May 10, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and placing a crushed rock base course on Section A2 and placing a crushed rock base course on Section A3, Route 5, the Wawona Road-Glacier Point Highway, Yosemite Nat'l. Park, Mariposa County. The work involves:
(1) 34 acres clearing;
(2) 94,500 cu. yds. unclass. excav.;
(3) 7600 cu. yds. do for borrow;
(4) 500 cu. yds. do for structures;
(5) 168,000 sta yds. overhaul;
(6) 8300 cu. yds. mi. borrow haul;
(7) 352 cu. yds. hand-laid rock embankment;
(8) 240 lin. ft. perforated CMP in place;
(9) 1996 lin. ft. CMP (asph. dipped) in place;
(10) 120 lin. ft. placing Govt. furnished 36-in. CMP;
(11) 7 cu. yds. concrete;
(12) 500 lbs. reinforcing steel;
(13) 65 cu. yds. masonry;
(14) 60 cu. yds. crushed rock or gravel for backfill;
(15) 0.96 M.F.B.M. redwood planking in place;
(16) 25,700 tons crushed rock base course;
(17) 1500 tons supplemental crushed rock;
(18) 11,000 tons furnishing and stockpiling crushed rock.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

BIDS WANTED

PIMA, Arizona.—Until April 25, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for widening present pavement and lengthening one culvert on the Geronimo-Solomonsville Highway, NRM 63-A in the town of Pima.

The work involves:
(1) 155 cu. yds. roadway excavation;
(2) 200 cu. yds. struc. excav.;
(3) 1500 sq. yds. conc. pavement;
(4) 1500 cu. yds. base course;
(5) 60 cu. yds. concrete;
(6) 4700 lbs. reinf. steel.

Specifications obtainable from above office. T. S. O'Connell, State Highway Engineer.

BID CALL CANCELLED

LAKE COUNTY, Cal.—J. W. Vickrey, District Engineer, 546 Wabash Ave., Eureka, has announced cancellation of a call for bids to have been opened April 18, 2 P. M., for treating with fuel oil about 20.2 miles in Lake County, between Middleton and Lower Lake Road. The project will be readvertised in the near future.

AWARD

PACIFIC CO., Wash. — A. Milne, Portland, at $90,449 awarded contract by Washington Highway Department April 10 for surfacing and stockpiling for 35.1 miles, Palix river to Ilwaco.

Other bids were: Willapa Harbor Quarries, Raymond, $93,356, and H. G. Johnson, Portland, $94,269.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

LOS ANGELES—FIGUEROA STREET TUNNEL—CITY

LOS ANGELES, Cal.—Jahn & Bressi Const. Co., 701 Lane Mortgage Bldg. Los Angeles, at $384,560.78, as previously reported, submitted low bid to Los Angeles Board of Public Works, April 11 for the construction of the Figueroa Street Tunnel No. 4. The proposed tunnel will be approximately 755 ft. in length, 46 ft. 6 in. wide, with a 40-ft. roadway and a 5-ft. walk and 1½-in. wheel guard, and will be driven through the ridge of hills between Bishops Road and Solano St., the latter street being the present south portal of the three tunnels connecting Dayton Avenue with Solano Street and thence to North Broadway. The distance between the completed tunnel measured from the Solano Street entrance and the north entrance to the proposed tunnel will be approximately 800 ft. The sum of $550,000 has been allocated from state and federal funds towards the cost of the project.

Total bids follow:

(A) Jahn and Bressi, Los Angeles, $384,560.78.
(B) Macco Const. Co., Clearwater, $396,933.47.
(C) Floyd Shofner and J. H. Gordon, Los Angeles, $405,050.06.
(D) Southern California Roads Co., Los Angeles, $424,423.21.
(E) L. E. Dixon, Johnson, Inc., and Bent Brothers, Los Angeles, $426,-221.68.
(F) Morrison-Knudsen, Inc., Los Angeles, $437,111.11.
(G) United Concrete Pipe Co., Los Angeles, $447,341.71.
(H) George Hess, Los Angeles.

(I) Engineer's estimate, $398,450.65.

Bids were taken on items as follows

(1) 1,034 cu. yds. Class F conc., exclusive of concrete in tunnel sections, complete in place;
(2) 200 cu. yds. Class G conc., complete in place;
(3) 500 sacks grout behind tunnel lining, complete in place;
(4) Lump sum bid reinf. steel, exclusive of the reinf. steel in the tunnel sections, comp. in place;
(5) 715 lin. ft. tunnel section No. 1, complete in place. (Note: Section No. 1 is estimated to require approx. quantities as follows: 57 cu. yd. excav., per lin. ft.; 15½ cu. yds. Class F conc., per lin. ft.; 280 lbs. reinf. steel;
(6) Lump sum bid, tunnel section No. 2, complete in place, a total of 40 ft. (Note: Section No. 2 is estimated to require approximate quantities as follows: (a) 3,550 cu. yds. exvav., (b) 1,016 cu. yds. Class F concrete, (c) 44,500 lbs. of reinf. steel;
(7) Alternate on tunnel section, No. 2, per L. F.;
(8) Lump sum, electrical conduit system, complete in place;
(9) Lump sum lighting system, complete in place;
(10) 1,100 sq. yds. white glazed tiling, complete in place;
(11) Lump sum bid plaster finish, complete in place;
(12) 600 lin. ft. 2-in. grout pipes, complete in place;
(13) Lump sum bid, grading;
(14) 2,000 cu. yds. removal of slides;
(15) 46,384 sq. ft. conc. pave., 8-inches thick;
(16) 40,360 sq. ft. conc. base, 6-inches thick;
(17) 39,812 sq. ft. Warrenite-Bitulithic wearing surface;
(18) 1,957 sq. ft. white concrete traffic lines, 1¼-in. thick;
(19) 543 sq. ft. do, 2-in. thick;
(20) 10,884 sq. ft. 1-course sidewalk, 3-in. thick;
(21) 1,167 lin. ft. heavy unplastered curb;
(22) 1,536 lin. ft. special unplastered curb;
(23) 19 sq. ft. concrete gutter, 8-in. thick;
(24) 2,640 sq. ft. comb. gutter, 8-in. thick;
(25) 19 lin. ft. integral curb and gutter;
(26) 33 lin. ft. curb armor;
(27) Lump sum bid sewers;
(28) Lump sum bid, storm drain.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(A)	$15.00	$10.00	$2.50	$4000	$400.00	$27,500.00	$800	$1000	$3000
(B)	16.00	8.00	3.00	4500	405.00	30,000.00	750	1400	2750
(C)	18.00	8.00	1.50	4000	396.00	26,020.30	.....	720	2600
(D)	20.00	6.00	3.00	4500	440.00	22,300.00	.....	1200	2800
(E)	17.70	6.05	2.50	4449	453.50	22,654.00	625	792	3185
(F)	20.00	10.00	2.50	5000	450.00	28,000.00	.....	900	3590
(G)	29.00	9.00	2.00	4500	443.00	26,000.00	650	1400	3200
(H)	17.75	8.50	2.44	4745	389.00	22,750.00	.....	878	3520
(I)	18.00	10.00	2.50	3200	410.00	28,000.00	.....	2500	2420

	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
(A)	$ 4.50	$3500.00	$1.50	$10,000	$.50	$.20	$.12	$.09	$20	$.30
(B)	4.70	4000.00	1.00	12,500	.50	.20	.14	.12	.15	.20
(C)	4.90	3585.00	1.00	24,800	.75	.25	.18	.12	.20	.28
(D)	5.00	4000.00	1.10	19,000	.40	.21	.13	.087	.20	.40
(E)	5.00	3584.00	1.00	11,900	.50	.23	.17	.095	.15	.20
(F)	5.50	4000.00	1.00	14,000	.50	.23	.17	.10	.20	.28
(G)	5.00	4000.00	1.00	20,000	.40	.20	.18	.09	.15	.20
(H)	7013.00	4270.00	.50	12,500	.50	.24	.20	.11	.25	.31
(I)	7.00	7037.50	1.50	7,100	.32	.191	.126	.091	.20	.30

	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
(A)	$.10	$.40	$.50	$.20	$.20	$ .60	$1.00	$ 500.00	$2000.00
(B)	.11	.40	.45	.16	.18	.60	1.10	500.00	2000.00
(C)	.12	.60	.70	.30	.30	1.00	1.00	800.00	2500.00
(D)	.12	.50	.60	.25	.20	1.00	1.20	600.00	2300.00
(E)	.11	.45	.48	.65	.20	.65	1.40	530.00	1915.00
(F)	.11	.45	.60	20	.22	.75	1.20	685.61	2060.00
(G)	.12	.50	.60	.30	.40	1.00	2.00	2000.00	5000.00
(H)	.33	.62	.85	25	.30	1.25	1.25	500.00	2562.00
(I)	.10	.38	.50	18	.19	.52	1.00	475.00	1840.00

*Bid irregular on account of error in item (10).

COMPLETE BID LISTING

LOS ANGELES, Cal.—Creighton, Inc., 108 West Second St., Los Angeles, at $33,398.76, as previously reported, submitted low bid to the Los Angeles Board of Public Works, April 11, for constructing the Tunnel Station Bridge. The proposed structure will be built on San Fernando Road at Tunnel Station and will be a reinforced concrete girder type bridge, 300 ft. in length with a 40-ft. roadway and one 5-ft. walk. The work will consist of building two wedged-shaped structures to widen the present structure and to realign the roadway. The items to be bid on are:

(1) Alter existing structure;
(2) 843 cu. yds. Class F concrete;
(3) 100 cu. yds. Class G concrete;
(4) Reinf. steel (lump sum bid);
(5) Ornamental conc. railing (lump sum bid);
(6) Grading, lump sum (51 cu. yds. cut);
(7) 131 tons asphaltic conc. base;
(8) 159 tons asphaltic conc. wearing surface;
(9) 32 sq. ft. oiled roadway;
(10) 115 lin. ft. heavy unplastered curb
(11) 116 sq. ft. conc. gutter, 8-in. thick

Total bids were:

(A) Creighton, Inc., $33,398.76.
(B) Dimmitt & Taylor, $34,489.40.
(C) Engineer's Estimate, $27,492.

	(A)	(B)	(C)
(1)	$5870.00	$3500.00	$3000.00
(2)	20.00	24.80	18.00
(3)	7.00	6.50	10.00
(4)	6700.00	5500.00	4660.00
(5)	1762.00	2500.00	2500.00
(6)	200.00	120.00	200.00
(7)	3.65	4.00	3.00
(8)	3.65	4.00	3.00
(9)	.04	.10	.10
(10)	.50	1.00	.50
(11)	.18	.30	.24

COMPLETE BIDS

FT. PECK, Mont.—Silas Mason Co., Inc., 500 Fifth Ave., New York City, and Walsh Const. Co., Donahue Bldg., Davenport, Iowa, at $7,311,940, as previously reported, submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, April 11 for the construction of four diversion tunnels at the Fort Peck Dam near Glasgow, Montana.

Complete bids follow:

(A) Silas Mason Co., Inc., and Walsh Const. Co., Davenport, Iowa, $7,-311,940.
(B) Frazer - Davis Const. Co., 1319 Macklind Ave., St. Louis and G. L. Tarlton, 1406 Ambassador Bldg., St. Louis, $8,485,536.
(C) Missouri River Tunnel Const. Co., 908 W. 25th St., Kansas City, Mo., $8,202,380.
(D) Montana-Utah Co., 1 Montgomery St., San Francisco, $10,912,940.
(E) Fraser-Brace Corp., 420 Lexington Ave., New York City, $10,-950,091.

Unit quantities follow:

(1) 718,000 cu. yds. open cut shale excavation;
(2) 308,000 cu. yds. open cut overburden excavation;
(3) 24,600 lin. ft. pilot tunnel excav.;
(4) 709,200 cu. yds. main tunnel excavation;
(5) 144,000 cu. yds. shaft excavation;
(6) 8,100 cu. yds. excav. for cut-off collars;
(7) 3,300,000 lbs. furnish and place steel supports for main tunnels;
(8) 1,200,000 lbs. do for shafts;
(9) 35,000 lin. ft. furnish and place timber supports for pilot tunnels (bents);

(10) 350 MFBM do for pilot tunnels (lagging);
(11) 280 MFBM furnishing and placing sheathing and bracing for open cut excav.;
(12) 235,800 cu. yds. placing concrete in tunnel lining;
(13) 62,000 cu. yds. do in gate shafts;
(14) 8,100 cu. yds. do in cut-off collars
(15) 16,100 cu. yds. do in intake struc.
(16) 38,100 cu. yds. placing concrete in downstream portals and retaining walls for outlets works;
(17) 84,400 cu. yds. do in approach channel lining;
(18) 500 sq. gunite coating;
(19) 1,392,000 lbs. furnishing and placing struc. steel for reinf. intake struc. and form rack guides;
(20) 6,454,000 lbs. furnish and place steel bars for reinf. concrete;
(21) 9,886,000 pounds furnish and place plate steel lining for shafts and shaft foundations;
(22) 30,000 sq. application of liquid seal solution;
(23) 5,000 sq. application of bit. spray waterproofing solution;
(24) 3,000 lin. ft. drilling grout holes;
(25) 10,000 lbs. furnishing and installing grout pipes and connections;
(26) 50,000 cu. ft. grouting;
(27) 600,000 lbs. furnishing and placing steel strips;
(28) 85,500 lbs. furnishing and placing bronze piping.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$ .75	$ 1.25	$ 1.25	$ .85	$ 1.40
(2)....	.75	.70	.60	.55	1.40
(3)....	45.00	60.00	40.00	35.00	34.20
(4)....	2.70	2.48	3.00	5.00	4.12
(5)....	6.00	2.80	3.00	5.50	2.92
(6)....	10.00	3.00	3.50	6.80	10.92
(7)....	.05	.10	.06	.081	.10
(8)....	.06	.05	.07	.075	.06
(9)....	.40	.55	.50	.90	1.00
(10)....	50.00	50.00	50.00	60.00	116.30
(11)....	70.00	40.00	60.00	60.00	116.30
(12)....	3.00	3.85	4.50	6.50	6.99
(13)....	2.50	2.55	4.70	9.75	7.78
(14)....	5.00	4.00	4.50	12.00	11.39
(15)....	5.00	3.40	7.00	10.00	9.06
(16)....	2.50	2.85	4.50	7.75	7.94
(17)	1.25	1.20	3.50	4.00	3.65
(18)....	15.00	5.00	8.20	6.00	64.92
(19)....	.05	.05	.07	.072	.09
(20)....	.05	.035	.05	.056	.08
(21)....	.05	.045	.065	.075	.08
(22)....	2.50	1.80	1.50	1.85	3.45
(23)....	2.50	1.80	1.75	1.85	3.86
(24)....	.50	1.00	1.00	2.50	.89
(25)....	.15	.50	.25	.18	.58
(26)....	.80	1.00	.70	1.25	.62
(27)....	.06	.04	.07	.075	.13
(28)....	.50	.25	.50	.42	.51

Engineer's estimate, $7,890,285.

BIDS OPENED

SAN FRANCISCO — E. J. Treacy, Call Bldg., San Francisco, at $5034.80 ($.0307 per sq. ft.) submitted low bid to the Board of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for improvement of Pulgas Road, near Redwood City, involving 164,000 sq. ft. emulsified asphalt wearing surface, 1-in. armour coat, including preparation of the existing macadam road and painting traffic line. Complete bids follow:

E. J. Treacy, sq. ft., $.0307; total, $5,034.80.
Pacific States Constr. Co., $.0334; $5,477.60.
Pacific Truck Service, Inc., San Jose, $.0345; $5658.
C. L. Harney, $.0346; $5674.40.
Pacific Pavements Co., $.0347; $5690.80
Theodore Cohn, $.036; $5904 .
Fay Imprivement Co., $.0365; $5986.
J. S. Heilmann, $.0396; $6494.40.
A. J. Raisch Co., $.044; $7216.
Eaton & Smith, $.058; $9512.

The above firms are all of San Francisco unless otherwise noted.

All bids held under advisement.

LOS ANGELES CO.—1.78 MILES GRADING—(GOVT.)

LOS ANGELES CO., Cal.—Gibbons & Reed Co., 221 East San Fernando Blvd., at $166,981.75 submitted low bid to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, 807 Sheldon Bldg., San Francisco, for grading Section B of Route 63, the Swartout National Forest Highway, Angeles National Forest, Los Angeles County, involving:

(1) 25.5 acres clearing;
(2) 332,000 cu. yds. unclass. excav.;
(3) 1,280 cu. yd. do for structures;
(4) 535,000 sta. yd. overhaul;
(5) 1.787 miles finishing with graded rock;
(6) 1,350 lin. ft. 24-in. asph. dipper CGMP;
(7) 76 lin. ft. 30-in. do;
(8) 226 lin. ft. 6-in. porous tile underdrain in place;
(9) 324 cu. yds. Class A concrete;
(10) 10 cu. yds. Class B concrete;
(11) 19 cu. yds. Class D concrete;
(12) 36,000 lbs. reinforcing steel;
(13) 327 cu. yds. hand-laid rock embankment in place.

Total bids follow:

(A) Gibbons & Reed, Burbank, $166,981.75.
(B) Dimmitt & Taylor, Los Angeles, $168,774.70.
(C) Morrison-Knudsen Co., Los Angeles, $174,157.70.
(D) Gist & Bell, Arcadia, $184,397.00.
(E) United Concrete Pipe Co., Los Angeles, $235,480.50.
(F) Healy - Tibbitts Const. Co., San Francisco, $274,502.35.
(G) Sharp & Fellows Contracting Co., Los Angeles, $270,711.90.
(H) Engineer's estimate, $125,562.30.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1).....	$100.00	$235.00	$100.00	$250.00	$400.00	$300.00	$180.00	$250.00
(2).....	.40	.43	.45	.46	.58	.61	.72	.30
(3).....	2.00	2.00	2.50	1.50	2.50	2.00	1.70	1.00
(4).....	.02	.005	.006	.01	.01	.03	.015	.005
(5).....	250.00	300.00	600.00	500.00	500.00	350.00	500.00	400.00
(6).....	2.50	2.75	2.75	3.25	4.00	3.00	2.70	1.75
(7).....	3.50	3.25	4.00	4.00	5.00	4.00	3.50	2.25
(8).....	1.00	.35	.50	.50	2.50	.40	.40	1.00
(9).....	30.00	22.00	21.00	26.00	35.00	30.00	25.00	26.00
(10).....	30.00	21.00	30.00	25.00	35.00	29.00	25.00	26.00
(11).....	30.00	23.00	30.00	28.00	40.00	35.00	45.00	27.00
(12).....	.06	.045	.06	.05	.07	.06	.05	.055
(13).....	4.00	2:50	2.00	4.00	6.00	2.50	3.00	3.00

All bids held under advisement.

LOS ANGELES — GAFFEY ST., BRIDGES — (CITY)

LOS ANGELES, Cal. — Creighton, Inc., 108 W. Second St., Los Angeles at $141,734.82 (bidding on pre-cast piles), as previously reported, submitted low bid to the Los Angeles Board of Public Works, April 11, for constructing two bridges on Gaffey St., one a concrete girder bridge of four 60-ft. spans with a 60 foot roadway on Gaffey St. over Summerland and the other a reinforced concrete arch bridge of 100-ft. with a 45-ft. roadway on Elberon Ave. over Gaffey St., under Cash Contract. The work involves:

(1) Class F concrete (5029 cu. yds.);
(2) Class G Concrete (100 cu. yds.);
(3) Reinf. steel, lump sum bid (795,000 lbs. reinf. steel);
(4) Creosoted timber piles, lump sum bid (265 lin. ft.);
(5) Reinf. conc. piles, lump sum bid (5504 lin. ft.); precast;
(6) Reinf. conc. piles, lump sum bid (5504 lin. ft) cast in place, alternate to item 5;
(7) Ornamental conc. railing and pylons (953 lin. ft.);
(8) Ornamental iron railings, lump sum bid (56 lin. ft.);
(9) Electric conduit system, lump sum bid;
(10) Lighting system, lump sum bid (13 standards and one bracket light);
(11) Grading, lump sum bid (238 cu. yds. and 1358 cu. yds. fill);
(12) Asphaltic conc. base (820 tons);
(13) Asphaltic conc. wearing surface (543 tons);
(14) Sidewalk, 3-in. thick (7877 sq ft.);
(15) Sidewalk, 4-in. thick (50 sq. ft.);
(16) Special curb (213 lin. ft.);
(17) Integral curb and gutter, 6-in. thick (523 lin. ft.);
(18) Integral curb and gutter, 8-inch thick (609 lin. ft.);
(19) Conc. gutter, 8-in. thick (23 sq. ft.);
(20) Storm drains, lump sum bid;
(21) Traffic markers, lump sum bid.

Total bids were:

(A) Creighton, Inc., $141,734.82 (pre-cast piles); $143,764.82 (cast in place piles).
(B) Carlos Bongiovanni, Los Angeles, $149,407.50 (either type).
(C) Sharp & Fellow Constr. Co., Los Angeles, $161,033.07 (either type)
(D) R. E. Campbell, Los Angeles, $166,636.02 (either type).
(E) Fred E. Potts and Bannister-Field Co., Los Angeles, $171,939 (either type).
(F) Byerts & Dunn, Los Angeles, $193,196.20 (either type).
(G) Engineer's estimate, $157,567.19.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)....	$ 14.50	$ 16.00	$ 18.25	18.50	$ 20.20	$ 22.00	$ 18.00
(2)....	7.00	16.00	9.00	9.50	9.20	15.00	10.00
(3)....	35,265.73	32,565.84	30,838.00	32,191.00	29,405.00	33,000.00	31,800.00
(4)....	370.00	410.00	288.00	279.00	313.00	1,000.00	265.00
(5)....	12,694.00	13,019.31	12,430.00	13,085.00	13,561.00	15,000.00	12,384.00
(6)....	14,721.00	13,019.31	12,430.00	13,085.00	13,561.00	15,000.00	12,384.00
(7)....	4,348.00	6,442.60	7,000.00	7,725.00	6,340.00	8,000.00	4,288.00
(8)....	540.00	422.08	422.00	273.00	370.00	375.00	280.00
(9)....	1,000.00	1,171.05	595.00	861.00	1,240.00	1,800.00	550.00
(10)....	3,600.00	4,132.53	4,070.00	3,499.00	3,810.00	4,500.00	3,065.00
(11)....	1,760.00	800.00	5,400.00	6,580.00	5,300.00	7,000.0	6,670.00
(12)....	3.70	4.00	3.60	4.30	4.20	3.60	3.25
(13)....	3.70	4.00	3.60	3.90	3.75	3.60	3.25
(14)....	.13	.15	.11	.105	.16	.15	.11
(15)....	.18	.16	.15	.125	.20	.20	.16
(16)....	.62	.50	.40	.44	2.25	1.00	.60
(17)	1.18	.70	1.00	.78	1.15	1.25	.60
(18)....	1.52	.75	1.15	.84	1.30	1.50	.65
(19)....	.20	.40	.50	.24	.31	.20	.24
(20)....	381.00	750.00	160.00	636.00	428.00	2,000.00	576.00
(21)....	410.00	50.00	50.00	24.75	36.10	500.00	20.00

April 17, 1934

BIDS OPENED

YOLO, SUTTER, COLUSA, GLENN and Butte Counties, Cal.—C. F. Hillard, 1355 43rd St., Sacramento, at $10,002,145 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, Dist. Engineer, Dist. III, Marysville Hotel, Marysville, for treating with fuel oil about 42.5 miles at various locations in Yolo, Sutter, Colusa, Glenn and Butte Counties, involving:

(1) 1675 bbls. light fuel oil;
(2) 280 bbls. do;
(3) 415 bbls. heavy fuel oil;
(4) 915 bbls. light fuel oil;
(5) 135 bbls. heavy fuel oil;
(6) 1180 bbls. light fuel oil;
(7) 405 bbls. heavy fuel oil;
(8) 530 bbls. light fuel oil.

Complete bids follow:

(A) C. F. Hilliard, Sacramento, $10,002,145.
(B) A. Teichert, $10,934.25.
(C) C. F. Frederickson & Sons, Lakeport, $10,938.95.

Unit bids follow:

	(A)	(B)	(C)
(1)	$1.713	$1.95	$1.90
(2)	1.716	1.85	1.79
(3)	1.866	2.05	2.07
(4)	1.648	1.90	1.91
(5)	2.028	2.15	2.14
(6)	1.878	2.00	2.05
(7)	2.096	2.10	2.15
(8)	1.946	2.00	2.05
*			29

BIDE OPENED

ALPINE COUNTY, Cal.—Fredrickson & Watson, 873 81st Ave., Oakland, at $200,012.70 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing wih bituminous treated crushed gravel or stone (roadmix method) about 6.5 miles and constructing a bridge across East Carson river consisting of one 40 ft. steel stringer span and six 19-ft. timber spans on concrete and timber bents, in Alpine County between Centerville bridge and Markleeville, involving:

(1) 65 acres clear and grub right of way;
(2) 270,500 cu. yds. rdwy. excav., unclassified;
(3) 350,000 sta. yds. overhaul;
(4) 4.420 cu. yds. struc., excav.;
(5) 7,600 cu. yds. untreated crushed gravel or stone base course;
(6) 4,400 cu. yds. crushed gravel or stone bituminous treated surf.;
(7) 415 bbls. fuel oil base course;
(8) 290 tons asph. road oil bituminous treated surfacing;
(9) 69,000 sq. yds. mix asphaltic road oil and crushed gravel or stone;
(10) 3,750 M. gals. water;
(11) 15 cu. yds. Class A Port. cement concrete footing blocks;
(12) 520 cu. yds. Class A Port. cement concrete struc.;
(13) 20 cu. yds. Class B Port. cement concrete;
(14) 48,000 lbs. bar reinf. steel struc.;
(15) 25,000 lbs. struc. steel;
(16) 135 lbs. cast steel;
(17) 82 lin. ft. 8-in. CMP;
(18) 2,904 lin. ft. 18-in. CMP;
(19) 386 lin. ft. 24-in. CMP;
(20) 190 lin. ft. 30-in. CMP;
(21) 304 lin. ft. 36-in. CMP;
(22) 96 lin. ft. 48-in. CMP;
(23) 52 lin. ft. CMP culverts, clean & re-lay;
(24) 2 each spillway assemblies;
(25) 7 cu. yds. concrete removed from existing struc.;
(26) 2.0 miles property fence;
(27) 10 each fence gates;
(28) 0.1 mile existing property fence, moved and re-set;
(29) 176 cu. yds. rubble masonry;
(30) 350 cu. yds. light riprap;
(31) 1 only temporary bridge;
(32) 1 only existing bridge removed;
(33) 24 MFBM redwood timber dense select all-heart struc. grade;

DIVISION OF HIGHWAYS — ROAD OIL — (STATE)

SACRAMENTO—Contracts for furnishing asphalt materials for use of Division of Highways, during 1934, have been awarded by the State Purchasing Agent, Sacramento, as follows:

21,500 BBLS. 50-60 LIGHT FUEL OIL

Standard Oil Co.—2500 bbls. in District I and 8000 bbls. District IV. The prices were: 65c bbl. Bakersfield, 89c San Francisco Bay, 85c Los Angeles, 89c Lyoth, Eureka, $1.10.

Mohawk Petroleum Corp.—5900 bbls. District III, and 5100 bbls. District X. The price was 55c Bakersfield.

35,700 BBLS. 60-70 LIGHT FUEL OIL

Standard Oil Co.—850 bbls. District I; 2750 bbls. District V.

Mohawk Petroleum Corp.—1400 bbls. District II; 400 bbls. District III; 19,300 bbls. District VI; 9000 bbls. District X.

Gilmore Oil Co.—2000 bbls. District IV. (For prices see tabulation below).

16,000 BBLS. 70-80 ROAD OIL

Mohawk Petroleum Corp.—2500 bbls. District I; 3800 bbls. District II; 1800 bbls. District III; 2900 bbls. District VI; 5000 bbls. District X. (All 99c Bakersfield).

980 TONS 90-95 ROAD OIL

Union Oil Co.—125 tons District I; 300 tons District II; 425 tons District III; 130 tons District VI; 980 tons District X. (All $10 ton Bakersfield and San Francisco Bay).

400 TONS 94 PLUS E GRADE ASPH.

Gilmore Oil Co.—400 tons District III. ($12 ton).

1290 TONS 90-95 ASPH. CUTBACK

Shell Oil Co.—1000 tons District I. ($12.50 ton).

Gilmore Oil Co.—90 tons District II; 200 tons District VI. ($12.50 ton).

2000 TONS E-GRADE ASPH. CUTBACK

Associated Oil Co.—2000 tons District X. ($12.50 ton).

The prices f.o.b. various shipping points are shown below. The bidders were:

(A) Mohawk Petroleum Corp.
(B) Standard Oil Co.
(C) Shell Oil Co.
(D) Union Oil Co.
(E) General Petroleum Corp.
(F) Associated Oil Co.
(G) Gilmore Oil Co.
(H) Richfield Oil Co.
(I) Petrol Co.
(J) Tarr & McComb.

50-60 LIGHT FUEL OIL

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Bakersfield	$.55	$ .65	$ .65	$ .65	$ .65	$ .65	$ .65	$ .65	$ .65	$....
San Francisco Bay	.....	.89	.89	.89	.89	.89	.89	.89	.89	....
Los Angeles	.....	.85	.....	....	.85	.....	.....	.85	.85	....
Lyoth	.....	.89	.....	.....	.....	.....	.....	.....	.....	....
Eureka	.....	1.10	.....	.....	.....	.....	.....	.....	.....	....

60-70 LIGHT FUEL OIL

Bakersfield	.65	.80	.80	.80	.80	.80	.80	.80	.80	*.65
San Francisco Bay	.....	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	....
Los Angeles	.....	.85	.....	.....	.85	.....	.....	.85	.80	....
Roadmite	.....	.....	.....	.....	.....	.....	1.04	.....	.....	....

70-80 ROAD OIL

Bakersfield	.99	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	....
San Francisco Bay	.....	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	....
Los Angeles	.....	1.50	.....	.....	1.50	.....	.....	1.50	1.50	....
Roadmite	.....	.....	.....	.....	.....	.....	1.50	.....	.....	....

*F. O. B. Taft—no certified check with bid.

90-95 ROAD OIL

Bids (A) and (J) no bids; all others $10.00 ton.

94 PLUS E GRADE ASPHALT

Bids (A) and (J) no bids; all others $12.00 ton.

90-95 ASPHALT CUTBACK

Bids (A) and (J) no bids; all others $12.50 ton.

E-GRADE ASPHALT CUTBACK

Bids (A) and (J) no bids; all others $12.50 ton.

MONTEREY CO.—Hot Springs Creek Bridge—(State)

MONTEREY COUNTY, Cal.—M. B. McGowan, 74 New Montgomery Street, San Francisco, at $36,620 submitted low bid to the State Highway Commission, Sacramento, for constructing a timber bridge across Hot Springs Creek 48 miles south of Monterey, consisting of one 76-ft. truss span, one 57-ft. truss span, and fifteen 19-ft. stringer spans on concrete pedestals.

The work involves:

(1) 300 cu. yds. stripping;
(2) 500 cu. yds. struc. excav.;
(3) 150 cu. yds. Class A Port. cement concrete;
(4) 4600 lbs. bar reinf. steel;
(5) 198 MFBM redwood timber dense select all heart structural grade
(6) 84 MFBM redwood timber select all heart do;
(7) 52,500 lbs. structural metal;
(8) 1 lot miscellaneous items of wok.

Complete bids follow:

(A) M. B. McGowan, Inc., San Francisco, $36,620.00.
(B) B. A. Howkins & Co., San Francisco, $41,353.80.
(C) Alfred H. Vogt Co., San Francisco $41,875.00.
(D) E. T. Lesure, Oakland, $42,854.50.
(E) Rocca & Caletti, San Rafael, $43-,644.50.
(F) Parish Brothers, Hollywood, $45,-505.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.40	$ 3.00	$ 1.50	$ 1.50	$ 2.00	$ 2.00
(2)	2.10	3.50	3.00	3.00	2.00	2.95
(3)	25.00	29.00	25.00	27.00	26.00	26.00
(4)	.065	.058	.06	.085	.07	.055
(5)	95.00	103.00	107.00	106.00	110.00	117.00
(6)	95.00	112.00	107.00	123.00	126.00	113.00
(7)	.07	.074	.09	.071	.085	.07
(8)	636.00	400.00	1000.00	1416.00	1000.00	2944.00

(34) 12 MFBM redwood timber select all-heart do;
(35) 1 lot misc. items of work, bridge;
(36) 341 sta. finish roadway;
(37) 180 each monuments complete in place.

Complete bids follow:

(A) Fredrickson & Watson, Oakland, $200,012.70.
(B) Peninsula Paving Co., San Francisco, $200,220.62.
(C) Morrison-Knudsen Co., Los Angeles, $209,787.90.
(D) Isbell Constr. Co., Carson City, Nevada, $238,573.70.
(E) United Concrete Pipe Corp., Los Angeles, $239,876.80.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)..	$35.00	$41.00	$60.00	$60.00	$150.00
(2)..	.45	.406	.46	.51	.46
(3)..	.01	.015	.006	.01	.01
(4)..	1.00	1.57	1.50	1.50	2.00
(5)..	1.70	2.02	1.30	1.80	2.20
(6)..	1.60	1.42	1.30	1.80	2.20
(7)..	3.00	2.98	3.50	3.50	3.00
(8)..	20.00	22.82	29.00	25.00	27.00
(9)..	.04	.031	.06	.10	.05
(10)..	1.00	.85	.75	1.00	.70
(11)..	22.00	23.90	25.00	25.00	28.00
(12)..	22.00	20,20	25.00	26.00	28.00
(13)..	22.00	20.20	25.00	20.00	28.00
(14)..	.06	.055	.06	.06	.08
(15)..	.08	.088	.07	.12	.10
(16)..	.20	.38	.50	.30	.20
(17)..	1.00	1.12	1.00	1.35	2.00
(18)..	2.00	1.89	1.85	2.25	2.70
(19)..	2.75	2.71	2.90	2.90	3.50
(20)..	3.60	3.37	3.90	3.70	4.50
(21)..	5.25	5.13	5.90	5.15	6.50
(22)..	9.50	8.76	10.00	8.50	8.00
(23)..	.60	1.26	1.00	1.00	2.00
(24)..	15.00	25.16	15.00	40.00	30.00
(25)..	5.00	6.30	3.00	10.00	10.00
(26)..	450.00	634.00	450.00	575.00	550.00
(27)..	15.00	20.00	30.00	25.00	20.00
(28)..	300.00	377.40	350.00	500.00	250.00
(29)..	8.90	12.60	17.10	15.00	16.00
(30)..	1.00	5.75	2.50	4.00	9.00
(31)	450.00	1225.00	1000.00	1600.00	2000.00
(32)..	300.00	503.00	100.00	500.00	500.00
(33)..	100.00	117.00	90.00	110.00	100.00
(34)..	90.00	110.00	85.00	110.00	100.00
(35)..	400.00	633.00	300.00	500.00	750.00
(36)..	5.00	6.00	4.00	5.00	6.00
(37)..	3.00	3.15	3.00	3.00	3.00

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BIDS OPENED

SISKIYOU COUNTY, Cal.—Chas. L. Harney, 443 Call Bldg., San Francisco, at $126,325.80 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing with crusher run base and asphalt concrete about 2.4 miles in Siskiyou County between the south boundary of Yreka and 1½ miles north of Yreka.

Complete bids follow:

(A) Chas. L. Harney, San Francisco, $126,325.80.
(B) Hanrahan Co., San Francisco, $142,060.95.
(C) United Contracting Co., Portland, $145,699.25.

Unit quantities follow:

(1) 16 each remove trees size 1;
(2) 33 each remove trees size 2;
(3) 45 each remove trees size 3;
(4) 37 each remove trees size 4;
(5) 4,600 cu. yds. rdwy. excav., unclass., location A;
(6) 25,600 cu. yds. do, location B;
(7) 150,000 sta. yds. overhaul;
(8) 2,900 cu. yds. struc. excavation;
(9) 1,550 cu. yds. remove asph. conc.;
(10) 792 cu. yds. remove Port. cem. conc.;
(11) 16,800 tons crusher run base;
(12) 3,700 sq. yds. asph. paint binder;
(13) 10,740 tons asph. conc.;
(14) 255 bbls. heavy fuel oil;
(15) 1,120 M. gals. water;
(16) 172 cu. yds. Class A Port. cement concrete struc.;
(17) 270 cu. yds. Class A do. curbs & gutters;
(18) 210 cu. yds. Class A Port. cement concrete sidewalk;
(19) 14,700 lbs. bar reinf. steel struc.;
(20) 246 lin. ft. 12-in. CMP;
(21) 1,928 lin. ft. 18-in. CMP;
(22) 142 lin. ft. 24-in. CMP;
(23) 14 lin. ft. 24-in. CMP;
(24) 274 lin. ft. remove and salvage existing CMP;
(25) 1,206 lin. ft. 14x2-in. part circle corrugated culverts;
(26) 190 lin. ft. 23x2¾-in. do;
(27) 29 each cast steel frames & covers for drop inlets;
(28) 23 each remove and reset manhole frames and covers;
(29) 22 each culvert markers;
(30) 11,500 lin. ft. street lighting cable
(31) 78 stations finishing roadway;
(32) 23 each monuments complete in place.

Unit bids follow:

	(A)	(B)	(C)
(1)	$10.00	$10.00	$ 9.00
(2)	20.00	15.00	17.00
(3)	30.00	17.00	37.00
(4)	40.00	20.00	54.90
(5)	.55	.60	.70
(6)	.40	.29	.45
(7)	.01	.005	.02
(8)	.80	1.00	1.00
(9)	.65	.90	2.40
(10)	1.60	1.10	2.10
(11)	1.50	2.59	1.75
(12)	.03	.04	.04
(13)	5.05	5.20	5.55
(14)	3.00	2.95	6.95
(15)	1.00	1.25	1.50
(16)	20.00	20.00	18.00
(17)	16.00	16.00	18.00
(18)	12.50	16.00	18.00
(19)	.06	.05	.06
(20)	1.25	1.25	1.25
(21)	1.75	1.80	1.80
(22)	2.50	2.70	2.60
(23)	3.00	3.40	3.30
(24)	.40	.50	.40
(25)	1.75	1.35	1.55
(26)	2.25	1.85	2.00
(27)	30.00	30.00	20.00
(28)	5.00	12.00	5.00
(29)	3.00	2.50	3.30
(30)	.25	.20	.18
(31)	5.00	5.00	8.00
(32)	3.00	3.00	3.00

SHASTA COUNTY, Cal. — Tieslau Bros., 1315 Allston Way, Berkeley, at $12,462.45 ($2.49 per bbl.) submitted low bid to the State Highway Commission, Sacramento, for treating with fuel oil about 34 miles in Shasta County, between Redding and Viola, involving 5005 bbls. heavy fuel oil. Complete bids follow. (1) per bbl; (2) total:

Tieslau Bros., Berkeley, (1) $2.49; (2) $12,462.45.
Tiffany Construction Co., San Jose. (1) $2.66; (2) $13,313.30.
C. F. Frederickson & Sons, Lower Lake (1) $3.14; (2) $15,715.70.
A. Teichert & Son, Inc., Sacramento, (1) $3.20; (2) $16.016.

* 29

BIDS OPENED

SONOMA COUNTY, Cal.—L. Briscoe, Arroyo Grande, at $1.95 per bbl., total $7800, submitted low bid to Department of Public Works, Division of Highway, Jno. H. Skeggs, District Engineer, Dist. IV., Room 211 State Bldg., San Francisco, for treating with fuel oil as a dust palliative about 41.9 miles in Sonoma County, between Duncan Mills and Mendocino County Line. The work required approximately 4000 bbls. light fuel oil. Complete bids follow:

L. Briscoe, Arroyo Grande, $1.95; $7800
E. A. Forde, San Anselmo, $2.20; $8800.
C. Kuppinger, Lakeport, $2.24; $8960.
Ransome Co., Emeryville, $2.26; $9040.
Peninsula Paving Co., San Francisco, $2.35; $9400.
A. Helwig, Sebastopol, $2.36; $9440.
Tieslau Bros., Berkeley, $2.38; $9520.

All bids held under advisement.

April 17, 1934

BIDS OPENED

SAN FRANCISCO—Following bids received by Constructing Quartermaster, Fort Mason, for the construction of a boiler room in Building No. 101, and chimney foundation, chimneys and low pressure steam heating systems in Buildings Nos. 91, 92, 93, 94 and 101, Main Post, Presidio, San Francisco.

(1) Work complete;
(2) Elimination of all labor and materials involved in furnishing and installing the complete heating system, chimney, oil piping, up to and including the fuel oil tank and removing old gas heating appliances in Quarters No. 91;
(3) do Building No. 92;
(4) do Building No. 93;
(5) do Building No. 94;
(6) do Building No. 101.

Complete bids follow:

(A) Herman Lawson $7797
(B) George Rehn 7811
(C) A. Ramazzotti 7900
(D) Oscar Aaron 8365
(E) Knittle Bros. 8386
(F) Higgins & Krause 8495
(G) M. Desiano 8555
(H) A. Harper 8672
(I) Fred W. Snook 8994
(J) Scott Co. 9615
(K) E. Sugarman 9690
(L) M. J. Reeves 9783

	(1)	(2)	(3)	(4)	(5)	(6)
(A)	$7797	$1200	$1225	$1200	$1230	$1500
(B)	7811	1432	1418	1421	1430	1674
(C)	7900	1510	1535	1585	1610	1730
(D)	8365	1650	1600	1600	1675	1840
(E)	8386	1641	1630	1633	1649	1826
(F)	8495	1675	1649	1675	1681	1818
(G)	8555	1505	1425	1444	1666	1818
(H)	8672	1537	1537	1541	1541	1851
(I)	8994	1612	1612	1554	1554	2135
(J)	9618	1800	1884	1752	1870	2306
(K)	9690	1538	1523	1534	1534	1860
(L)	9783	1646	1681	1683	1683	1916

(4210) 1st report April 9, 1934. * 7

BIDS OPENED

LOS ANGELES, Cal.—L. W. Odell, 6417 Drexel Ave., Los Angeles, at $7,326 submitted low bid to the Los Angeles County Supervisors April 9, for the construction of a gravity block at the east abutment of the Sierra Madre Dam. The work involves:

(1) 300 cu. yds. excavation;
(2) 750 cu. yds. placing of concrete in gravity block;
(3) 2400 sq. ft. placing of gunite facing slab.

Total bids follow:

(A) L. W. Owell, L. A. ..... $ 7,326.00
(B) Cast Const. Co., L. A. 7,393.00
(C) R. A. Wattson, L. A. 8,456.50
(D) Geo. Hess, L. A. 8,643.05
(E) Kovacevich & Price, So. Gate 9,705.00
(F) J. R. Lippincott, L. A. 13,655.00

Unit bids follow:

	(1)	(2)	(3)
(A)	$ 5.50	$ 6.98	$0.18
(B)	4.50	7.60	.14
(C)	4.60	8.88	.17
(D)	7.43	8.00	.169
(E)	3.25	11.15	.15
(F)	11.00	12.50	.40

BIDS OPENED

PLACER AND EL DORADO COS.—C. F. Frederickson & Sons, Lower Lake, at $8690.95 submitted only bid to Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Dist. III, Marysville Hotel, Marysville, for treating with oil about 44.5 mi. in Placer and El Dorado Counties, between Lincoln and Newcastle; between Placerville and Cool; between Kyburz and Fred's Place, and between 2 miles east of Fred's Place and Strawberry. Unit bids follow:

(1) 630 bbls. asph. road oil, $2.26.
(2) 550 bbls. asph. road oil, $2.75.
(3) 1980 bbls. light fuel oil, $2.23.
(4) 250 bbls. heavy fuel oil, $2.72.
(5) 225 bbls. heavy fuel oil, $2.93.

Bid held under advisement.

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2—STREETS AND HIGHWAYS

BDS WANTED

WHITE PINE COUNTY, Nevada—Until April 30, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for construction of a portion of the State Highway system in White Pine County between 34 mi. at 11 mi. southwest of Ely, a length of 22.85 miles; Route 4, Section A2 at A4. The work involves:

( ) 100 acres clearing and grubbing;
( ) 182,800 cu. yds. rdwy. excav.;
( ) 132,356 sta. yds. overhaul;
( ) 31,037 cu. yds. select borrow;
( ) 2200 cu. yds. struc. excav.;
( ) 22.85 miles subgrade;
( ) 65,260 cu. yds. cru. gravel or stone surface;
( ) 106 cu. yds. Class "A" concrete;
( ) 219 cu. yds. Class "B" concrete;
( ) 15,600 lbs. reinforcing steel;
( ) 100 lin. ft. 8-in. CMP;
( ) 3458 lin. ft. 18-in. CMP;
( ) 1760 lin. ft. 24-in. CMP;
( ) 110 lin. ft. 30-in. CMP;
( ) 308 lin. ft. 36-in. CMP;
( ) 64 lin. ft. 48-in. CMP;
( ) 45 cu. yds. handlaid riprap (grouted);
( ) 26.2 MFBM redwood;
( ) 300 lin. ft. remove water pipe;
( ) 150 lin. ft. relay water pipe;
( ) 10,176 lin. ft. construct fence;
( ) 8285 lin. ft. remove fence;
( ) 445 lin. ft. reconstruct fence;
( ) 111 each monuments;
( ) 22.86 miles finish roadway;
( ) 4 each wooden diversion boxes;
( ) 300 lin. ft. 8-in. perforated underdrain;
( ) 50 cu. yds. gravel backfill.

Plans and specifications obtainable from above office upon deposit of $5, $10 returnable.

BDS WANTED

TULARE AND KINGS COUNTIES, Cal.—Until May 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating with fuel oil about 43.5 miles in Tulare and Kings Counties, between Springville and Camp Belson and between Deccoran and Earlimart. Work requires:

( ) 5350 bbls. heavy fuel oil;
( ) 43.5 miles preparing roadbed.

Plans and specifications obtainable from above offices and on file at the District Enginttrs' offices in San Francisco, Los Angeles, and the district in which the work is situated.

April 14, 1934

CONTRACT AWARDED

CHELAN and Okanogan Counties, Wash.—Fred G. Redmon, Yakima, at $.749 awraded contract by Washington State Highway Department April 1 for 99.6 miles stockpiling, Chelan to British Columbia line and Chelan to Chelan Falls.

A. Romano Engr. Corp., Seattle, at $.780 submitted the only other bid.

BDS WANTED

SAN BERNARDINO COUNTY, Cal. Until April 30, 2 P. M., bids will be received by Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, Dist. VIII, 3 Third St., San Bernardino, for treating with fuel oil 16.6 miles in San Bernardino County between Dolly Varden Angling Club and South Fork of Santa Ana River, VIII-SBd-190-E and F. The work requires:

( ) 2090 bbls. heavy fuel oil in place.
( ) 16.6 mi. mixing and shaping oil treated material.

Plans and specifications obtainable from above office.

LOS ANGELES — MACY ST. STORM DRAIN — (CITY)

LOS ANGELES, Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, at $203,976.01, as previously reported, submitted low bid to the Los Angeles Board of Public Works, April 18, for the construction of a storm drain in a portion of Macy Street between the Los Angeles river and a point 173 feet west of Avila St., to serve the Union Passenger Terminal Station, P.W.A. Project No. 4361, Unit No. 1.

The items are:

(1) grading (200 cu. yds. excav. and no fill, including removal of existing improvements);
(2) 28,000 sq. ft. asph. conc. paving, 8-in. thick, consisting of asph. concrete base 6-in. thick and asph. conc. wearing surface 2-in. thick (including Class C resurfacing);
(3) 989 sq. ft. concrete paving, 8-in. thick (local depressions);
(4) 500 sq. ft. concrete paving, 6-in. thick;
(5) 276 sq. ft. asph. conc. wearing surface remodeling 3-in. thick;
(6) 179 sq. ft. Class D resurfacing;
(7) 20,000 sq. ft. rock & oil surfacing 4-in. thick (inc. Class A resurfacing);
(8) 200 lin. ft. unplastered heavy curb
(9) 1500 lin. ft. reinf. integral curb and concrete gutter, 1-ft. wide as per Plan No. B-1037;
(10) 1100 sq. ft. concrete gutter, 8-in. thick;
(11) 11,000 sq .ft. concrete sidewalk, 3-in. thick;
(12) 600 sq. ft. concrete sidewalk, 6-in. thick (driveways);
(13) 100 lin. ft. curb armor as per Std. Plan No. B-1604 (either type at contractor's option);
(14) 560 cu. yds. concrete complete in place, for underpinning the footings of Macy St. viaduct and the Cudahy ramp, as per Plan No. DL-1336;
(15) sanitary sewer and appurtenances complete not incl. house connections or resurfacing;
(16) storm drain and appurtenances, complete, not including local depressions, resurfacing or surface remodeling.

Total bids follow:

(A) R. E. Campbell, Los Angeles, $203-976.01.
(B) United Concrete Pipe Corp., Los Angeles, $212,457.10.
(C) C. A. Spicer, Los Angeles, $232,-341.28.
(D) R. A. Wattson and Mlagenovich, Los Angeles, and Gillespie, Long Beach, $247,116.14.
(E) George Hess, Los Angeles, $248,-842.63.
(F) Kemper Const. Co., Los Angeles, $283,543.90.
(G) Engineer's estimate, $186,250.56.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)....	$ 160.00	$ 200.00	$ 300.00	$ 100.00	$ 250.00	$ 100.00	$ 200.00
(2)....	.185	.30	.16	.18	.17	.22	.154
(3)....	.225	.40	.26	.26	.20	.22	.25
(4)....	.185	.35	.20	.24	.18	.18	.20
(5)....	.07	.30	.10	.085	.08	.12	.06
(6)....	.23	.30	.26	.26	.25	.22	.25
(7)....	.44	.20	.40	.42	.42	.60	.45
(8)....	.44	1.00	.40	.42	.42	.60	.45
(9)....	.90	1.00	.55	.75	.70	1.00	.76
(10)....	.225	.20	.25	.26	.20	.22	.22
(11)....	.11	.15	.10	.11	.10	.12	.11
(12)....	.175	.30	.25	.24	.17	.15	.18
(13)....	1.25	1.00	1.00	1.25	.95	1.00	1.00
(14)....	74.25	30.00	30.00	39.00	40.00	12.00	16.00
(15)....	645.00	1,000.00	1,000.00	1,214.00	650.00	1,143.00	790.00
(16)....	151,750.00	177,500.00	205,000.00	214,000.00	216,177.00	263,668.82	167,490.00

IMPROVE ROADS—GOLDEN GATE PARK—(CITY)

SAN FRANCISCO — Pacific Pavements Co., Ltd., 85 Barstow St., San Francisco, at $23,448 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251 City Hall, for improvement to roads in Golden Gate Park, under contract No. 3, involving:

(1) 98,000 sq. ft. 2-in. asph. concrete wearing surf., including preparation of subgrade, etc.;
(2) 46,600 sq. ft. 2-in. asph. concrete wearing surface and 6-in. reinf. concrete base;
(3) 2500 sq. ft. 8-in. waterbound macadam base;
(4) 300 cu. yds. red rock;
(5) 8 storm water inlets;
(6) 7,600 lin. ft. 6-in. open tile drain;
(7) 500 lin. ft. 6-in. vit. clay pipe culvert;
(8) 1 seepage pit;
(9) 500 lin. ft. 2-in. galv. NEC conduit;
(10) 3,600 cu. yds. excav. under 6-in. reinf. conc. base;
(11) 3,000 cu. yds. sand backfill under 6-in. reinf. conc. base.

Complete bids follow (all San Francisco bidders):

(A) Pacific Pavements Co., Ltd., $23,-448.
(B) Eaton & Smith, $23,495.
(C) C. L. Harney, $23,788.
(D) Fay Improvement Co., $23,829.70.
(E) Pacific States Constr. Co., $24,-419.45.
(F) A. J. Raisch, $25,374.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1).....	$ .065	$ .065	$ .075	$ .0715	$ .0704	$ .074
(2).....	.24	.25	.23	.197	.222	.22
(3).....	.04	.05	.10	.01	.055	.05
(4).....	1.10	1.00	1.00	.90	1.70	1.50
(5).....	30.00	25.00	40.00	29.00	29.00	34.00
(6).....	.88	.50	1.00	2.20	1.60	1.00
(7).....	.69	.60	.50	.75	.50	.75
(8).....	10.00	15.00	50.00	7.50	9.75	10.00
(9).....	.49	.75	.50	.63	.69	.70
(10).....	.56	.60	.50	.48	.50	.50
(11).....	.40	.40	.30	.39	.375	.50

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Unit Price Review

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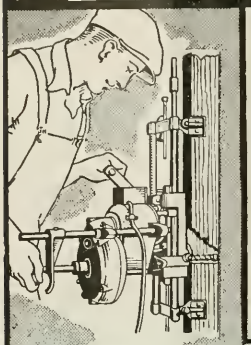
WAPPAT Electric TOOLS



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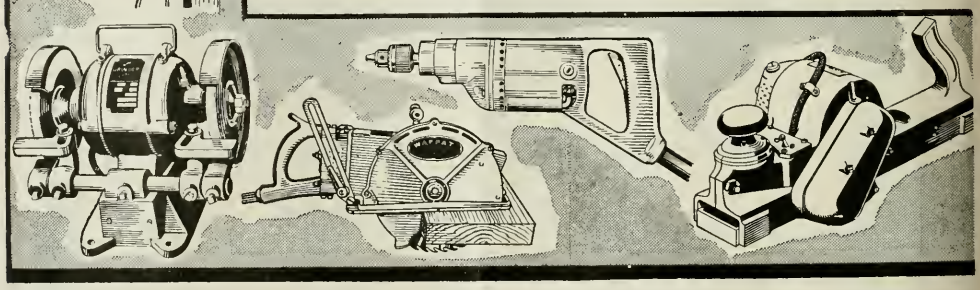

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U. S. TO PROTECT SUB-CONTRACTORS ON PWA PROJECTS

Constructing Authorities Instructed to Require List of Subs With Proposal

Federal contracting authorities in San Francisco have been notified of the new PWA order that all general contr ctors bidding on work financed in whole or in part by PWA money must file a list of subcontractors with their proposal. The listing of sub-contrtctors is considered an acceptance of their bid by the general contractor if awarded the contract. Changes made after the award are subject to approval of the PWO engineer.

The text to the order follows:

TO ALL STATE ENGINEERS:

In order to minimize a rather common practice of sub-contractors shopping on the part of contractors after the opening of bids, the following provision shall be inserted in all calls for bids and bid proposals on Public Works projects:

"Every contractor who bids upon a project financed in whole or in part ofloans or grants from the PWA shall submit in a sealed envelope with his bid to the contracting authority the names of all subcontractors and their bids upon which his bid is based. The sealed envelope so submitted shall have on it the name of the contractor with the words thereon 'Bids of Subcontractors,' Such submission shall be deemed to constitute an acceptance by the contractor, if awarded the contract, of the bid of each sub-contractor. Any alteration therein, after the award of the contract, shall be subject to the approval of the PWA Engineer."

(Signed) HAROLD L. ICKES,
Administrator.

The above was issued as a general order April 9, 1934, "To all Federal Departments and Construction Agencies," with the following change in the last sentence:

"Any alteration therein, after the award of the contract, shall be subject to the approval of the contracting officer of the Federal Department or Agency concerned."

BAY FIRMS BID BONNEVILLE JOB

PORTLAND, Ore., April 25.—San Francisco bay district contractors were second and third low bidders today on the contract for erecting twenty permanent houses at the government townsite at Bonneville dam.

The low bid was offered by Geo. Waale, Portland, at $161,688. William Spivock, San Francisco, bid $163,070 and W. E. Kier, Oakland, $165,077.

Bids on two alternate specifications will not change the order of the three low bidders, a preliminary check indicated.

COOS BAY SPAN CONTRACTS LET BY COMMISSION

Construction of Second Bridge In Oregon State Program Is Authorized

PORTLAND, Oregon, April 26.—Northwest Roads Co., Portland, and Virginia Bridge & Iron Co., Roanoke, Va., were successful bidders today on contracts for construction of the Coos Bay bridge on the Oregon Coast Highway near North Bend. Bids were received by the Oregon State Highway Commission here. The bid of the Northwest Roads Co. at $1,529,438 on a combination of Units A-C-D on the project and the bid of the Virginia Bridge Co. at $593,880 on Unit B were accepted.

Bids on the contracts were offered by firms in San Francisco, Oakland, Portland, Eureka, Calif., and Seattle. The Coos Bay bridge is one of five bridges being constructed by the Oregon Highway Commission with Public Works Administration funds. The five structures are expected to cost more than $5,000,000. A contract has been awarded for construction of the Alsea bay crossing, on which bids were opened April 5. Bids are to be received in May and June for contracts on the remaining three.

COURT CLEARS WAY FOR BIDS ON BDWY. TUNNEL

Bonds Validated; Directors Expected to Set Opening Date This Week

A date for opening bids for construction of the Broadway low-level tunnel in Oakland will be set by the directors of Joint Highway District No. 13 within a few days, possibly before the end of the week, Wallace B. Boggs, chief engineer, said yesterday.

Bids were advertised previously, but the date was postponed indefinitely due to delay in obtaining validation of the district bonds by the supreme court. A decision approving the bonds was returned by the court Tuesday.

Contractors will be allowed about two weeks to complete their figures Boggs said. Since the specifications have been in the hands of prospective bidders for more than two months, it is believed that ample time has been afforded for preparation of bids.

Bids are being taken on a single contract for construction of the tunnel and appurtenant structures, including portal buildings and approaches which involve several grade separations.

The contract is estimated at $3,750,000. It is financed by a federal PWA grant of $1,073,433, a contribution of $300,000 in state highway funds and district bonds, the highway district including Alameda and Contra Costa counties.

Reaching all-time high for the winter season, U. S. Bureau of Public Roads reported 956,000 employed January 1 on state and Federal road work and in related industries.

59 PROJECTS ON TREASURY BUILDING LIST

Expenditure of $9,367,484 in Seven Western States Authorized

The monthly progress report on the Treasury Department building program lists fifty-nine projects in the seven far-western states, for which $9,367,484 has been appropriated.

Five projects are under contract, including the San Francisco Federal office building to cost $2,899,040.

Bids have been opened for the Alhambra post office building since the list was issued on March 31 The closing date for bids on the Port Townsend Quarantine Station also has been set since the list was prepared.

The appropriation of $1,225,000 for the San Francisco Mint building is included. Bids for the site are to be received in Washington, May 1. The list does not include a reported appropriation of $1,000,000 for an immigration station in San Francisco. A site for this building is being requested from the War Department in the vicinity of the Presidio.

A summary of the status of projects in the states of California, Arizona, Oregon, Washington, Nevada, Utah and Idaho follows:

Projects Under Contract	
Boise, Idaho, Assay Office	$ 15,000
Logan, Utah	54,612
Los Angeles, Q.S.	99,768
San Francisco, F.O.B.	2,899,040
Tecate, Calif., B.S.	60,000
Total	$3,128,420
Site Selected and Plans Completed	
* Alhambra, Calif	$ 178,415
Phoenix, Ariz.	635,559
Port Townsend, Wash., Q.S.	270,000
Total	$1,083,974
*Bids opened, award pending.	
Site Selected and Plans Partially Completed	
* Anaheim, Calif	$ 120,000
Bell, Calif.	38,300
Colton, Calif.	57,200
Compton, Calif.	77,000
Ely, Nevada	45,000
Hillsboro, Oregon	56,700
Hollister, Calif.	45,100
* Hollywood, Calif.	214,500
Hood River, Oregon	61,600
Huntington Beach, Calif.	52,000
* Inglewood, Calif.	90,000
* Kingman, Ariz.	44,000
La Jolla, Calif.	59,400
* Lodi, Calif.	55,000
* Madera, Calif.	50,600
* Marshfield, Oregon	92,400
* Montebello, Calif.	45,100
Montesano, Wash.	56,300
Nogales, Ariz., I.S.	169,000
North Hollywood, Calif.	56,100
Oceanside, Calif.	55,000
Phoenix, Ariz., Ct. H.	40,000
Pittsburg, Calif.	68,200
* Redding, Calif.	79,200
Redondo Beach, Calif.	73,700
Redwood City, Calif.	66,600
Roseville, Calif.	45,100
* Salinas, Calif.	83,600
* San Gabriel, Calif.	57,200
* San Pedro, Calif.	568,840
San Rafael, Calif.	64,900
Santa Clara, Calif.	40,500
Santa Cruz, Calif.	115,750
* Santa Monica, Calif.	130,900
Santa Paula, Calif.	52,800
* South Pasadena, Calif.	63,800
Torrance, Calif.	63,800
Turlock, Calif.	63,800
* Van Nuys, Calif.	57,200
* Ventura, Calif.	85,800
* Whittier, Calif.	71,500
Winslow, Ariz.	49,500
Total	$3,547,890
* Private architect.	
Site Bids Asked or Awaiting Selection	
Claremont, Calif.	$ 51,700
El Monte, Calif.	48,500
San Fernando, Calif.	72,600
Woodland, Calif.	69,900
Lourier, Wash., B.S.	67,500
Naco, Ariz., B.S.	66,000
San Francisco, Mint Bldg.	1,225,000
Total	$1,601,200
Site Under Examination	
Eastport, Idaho, B.S.	$ 60,000
GRAND TOTAL	$9,367,484

Key to Abbreviations: B.S. Border Station; I.S., Immigration Station; Ct. H., Courthouse; Q.S., Quarantine Station.

NEVADA AWARDS THREE CONTRACTS

CARSON CITY, Nev., April 25. Contracts totaling $425,000 were awarded today by the Nevada State Highway Directors. They were let as follows:

Jones & King, Hayward, Cal., at $224,400 for grading and paving 4.31 miles in the city of Reno. Union Paving Co., San Francisco second low bidder, $227,339.

Isbell Const. Co., Carson City, at $116,293 for constructing 20 miles in Elko county near Currie. Utah Const. Co., Ogden, second low bidder at $124,500.

Union Paving Co., San Francisco, at $84,103 for constructing 17 miles in Nye county. Dodge Const. Co., Fallon, second low bidder at $87,824.

Record Gain In Gas Tax Returns Reported By State

A record increase in state gasoline tax revenues is reported for March by the State Board of Equalization. The total collected was $4,048,511. It exceeded the total of any month in 1933 and is 24 per cent over the amount collected in March, 1933.

Board officials said that only three times before in the history of the gasoline tax has the levy for a single month exceeded $4,000,000.

YOUNG SUBMITS LOW BID FOR TEHAMA GRADING

Successful Bidder Awarded Contract Recently For Project in Vicinity

Clarence Young, Oakland, yesterday submitted the low bid of $133,236 to the U. S. Bureau of Public Roads, San Francisco, for grading Section F of the Deer Creek Meadows National Forest Highway in Butte and Tehama counties. The bid was below the engineer's estimate of $136,349.

A contract was awarded last week to Young by the bureau for grading and placing subgrade reinforcement on Section B of the Southwest Approach road to Lassen Volcanic National Park in Tehama county. His bid on this contract was approximately $97,000.

The bids received yesterday follow:

Clarence Young, Oakland	$133,236
F. C. Cuffee, San Rafael	140,321
Gist & Bell, Arcadia	143,114
Healy-Tibbitts Const. Co., San Francisco	149,087
Morrison-Kundsen Co. L. A.	155,980
Halleran Bros., Seattle	160,343
MacDonald and Kahn Co., Ltd., San Francisco	160,677
Engineer's estimate	136,349

Bids will be received by the Bureau of Public Roads here May 15 for grading Section A of the Pine Crest National Forest Highway in Tuolumne county. The length of this project is about nine-tenths of a mile.

Tobin Low on Monterey Sewer Job at $67,893

MONTEREY, April 24. — W. J. Tobin, 3701 Balfour Ave., Oakland, tonight submitted the low bid to the Monterey City Council for constructing the intercepting sewers, a portion of the Monterey Sewer Project financed by PWA funds. Tobin's bid was $67,893.

Bids were taken under segregated contracts and a preliminary check of low bids indicated that the total for the job complete would be within the $86,000 available.

The low bid for installing the outfall sewer portion of the job was offered by George E. Miller, 9401 Brighton Way, Beverly Hills, at $5,000. The City is to purchase and furnish the materials for this contract, which it is estimated will cost approximately $7,000.

Only one other bid was received on the intercepting work, that of Fredrickson & Watson Const. Co. and Fredrickson Bros., 873 81st St., Oakland, at $75,380.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
207	Hallgren	Owner	4000
208	Benatar	Mullen	4000
209	Baker	Reed	1500
210	Clarke	Mullen	1800
211	Milwaukee	Owner	7000
212	Filippo	Delucchi	2000
213	State	Works	7246
214	Prigiano	Jose	1390
215	Pucinelli	Morlconi	3000
216	Franceschi	Franceschi	4500
217	Alborough	Owner	8500
218	Franceschi	Owner	5500
219	Anglo	Jacks	20000
220	Hornung	Owner	3000
221	Western	Chicago	1600

DWELLING
(207) E TWENTY-FIRST AVE 25 N Judah St. One-story and basement frame dwelling.
Owner—August Hallgren, 1594 29th Ave., San Francisco.
Architect—Not Given. $4000

ALTERATIONS
(208) NO. 805-807 MARKET STREET Alter store.
Owner—Morris Benatar, 1175 Market St., San Francisco.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch St., S. F. $4000

ALTERATIONS
(209) SW SEVENTH AND TOWNsend Sts. Alter warehouse.
Owner—Baker & Hamilton Co., Prem.
Architect — Miller & Pflueger, 580 Market St., San Francisco.
Engineer—W. L. Huber.
Contractor—Reed & Reed, 1131 Hearst Bldg., San Francisco. $1500

ALTERATIONS
(210) NO. 2024 MISSION ST. Alter store.
Owner—J. Clarke, 2024 Mission St., San Francisco.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch St., S. F. $1800

ALTERATIONS
(211) W TENTH ST. 100 17 Bryant. Alter four-story Class C brewery.
Owner—Milwaukee Brewery Co. of San Francisco, 490 Tenth St.
Engineer — Warren E. Murray, 908 Hayes St., S. F. $7000

ALTERATIONS
(212) NO. 2248 LANE ST. Alterations to warehouse.
Owner—P. Filippo, 5524 3rd St., San Francisco.
Architect—Not Given.
Contractor—D. Delucchi & Son, 3275 San Bruno Ave., S. F. $2000

ALTERATIONS
(213) NO. 25 OAK ST. Alter auto sales building into offices.
Owner—State Emergency Relief Administration.
Architect—Not Given.
Contracor—Works Division, Sera. $7246

REPAIRS
(214) 74 PALM AVE.; repair fire damage to flats.
Owner—A. Prigiano, 166 4th St.
Architect—Not Given.
Contractor—W. L. Jose, 710 1st St. $1390

ALTERATIONS
(215) 1812 POLK ST.; alter market.
Owner—A. Pucinelli, 1670 Chestnut.
Architect—Not Given.
Contractor—G. Moriconi, 1670 Chestnut Street. $3000

DWELLING
(216) E WEBSTER ST. 127 N Beach. Two-story and basement frame dwelling.
Owner—Louis Franceschi, 222 Cervantes Blvd., San Francisco.
Architect—H. C. Bauman, 251 Kearny St., San Francisco.
Contractor — Louis Franceschi, 222 Cervantes Blvd., S. F. $4500

ALTERATIONS
(217) NO. 123 POST ST. Alter store
Owner — Mrs. I. G. Alborough, 521 Stockton St., San Francisco.
Construction Mgr. — F. Whitton, 369 Pine St., San Francisco.
Segregated Contracts. $3500

DWELLING
(218) E WEBSTER ST. 150 N Beach. Two-story and basement frame dwelling.
Owner—Louis Franceschi, 222 Cervantes Blvd., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Louis Franceschi, 222 Cervantes Blvd., S. F. $5500

ALTERATIONS
(219) NW FILLMORE AND CHESTnut Sts. Alter garage into banking office.
Owner — Anglo California National Bank, % Architect.
Architect—Sam Heiman, 605 Market St., San Francisco.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St. $20,000

ALTERATIONS
(220) NO. 147-157 VALENCIA. Alter store and apartments.
Owner—C. C. Hornung, 295 Fell St., San Francisco.
Architect—Not Given. $3000

WATER TANK
(221) NO. 1 FOURTEENTH ST. Reinforce water tank.
Owner—Western Cooperage Co., Prem
Architect—Not Given.
Contractor—Chicago Bridge & Iron Works, 116 New Montgomery St., San Francisco. $1600

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
177	Boucher	Lynn	1200
178	Nunes	Owner	3200
179	Santos	Towers	3000
180	Foster	Owner	3000
181	General	Stolte	7900
182	Chevrolet	Christensen	22700
183	Button	Ungaretti	4200
184	Albers	Healy	8590
185	Roehm	Rich	5169
186	Fye	Owner	1000

REPAIRS
(177) 833 ATHENS AVE., **OAKLAND**; fire repairs.
Owner—Mrs. N. Boucher, 262 S. Plumas St., Willows.
Architect—Not Given.
Contractor—Willis F. Lynn, 1037 Ashmount Ave., Oakland. $1200

SERVICE STATION
(178) 3535 TELEGRAPH AVE., **OAKLAND**; 1-story brick service station.
Owner and Builder—Geo. W. Nunes, 5430 Dover St., Oakland.
Architect—Not Given. $3200

DWELLING
(179) 1094 CRAGMONT, **BERKELEY**; two-story 4-room frame dwelling and garage.
Owner—L. Santos, Cragmont.
Architect—Not Given.
Contractor—Ray Towers, 2508 Benvenue, Berkeley. $3000

DWELLING
(180) NO. 954 KEELER ST., **BERKELEY**. Two-story 7-room frame dwelling and garage.
Owner — Alfred Foster, 924 Hilldale Ave., Berkeyey.
Plans by Owner. $3000

STATION
(181) NO. 4395 PIEDMONT AVE., **OAKLAND**. One-story steel service station.
Owner—General Petroleum Corp., Parr Terminal.
Architect—Not Given.
Contractor—F. C. Stolte Co., 3455 Laguna Ave., Oakland. $7900

PLATFORM
(182) NO. 6901 FOOTHILL BLVD., **OAKLAND**. Concrete loading platform.
Owner — Chevrolet Motor Co., 6901 Foothill Blvd., Oakland.
Architect—Not Given.
Contractor—H. J. Christensen, 1955 Webster St., Oakland. $22,700

DWELLING
(183) NO. 4914 PROCTOR AVENUE, **OAKLAND**. One-story five-room dwelling.
Owner—Mrs. C. D. Button, 528 62nd St., San Francisco.
Architect—Not Given.
Contractor—Charles Ungaretti, 1727 Foothill Blvd., Oakland. $4200

PILE FOUNDATIONS
(184) FOOT of SEVENTH STREET, **Oakland**; pile foundations.
Owner—Albers Bros. Milling Co., foot of 7th St., Oakland.
Architect—Not Given.
Contractor—Healy - Tibbitts Co., 64 Pine St., San Francisco. $8590

DWELLING
(185) NO. 6286 ACACIA AVENUE, **OAKLAND**. Two-story six-room dwelling.
Owner—F. W. Roehm.
Architect — Williams & Wastell, 374 17th St., Oakland.
Contractor—Jas. L. Rich, 556 37th St., Oakland. $5169

ALTERATIONS
(186) NO. 901 BROADWAY, **OAKLAND**. Alterations.
Owner—Frank Fye, 892 Trestle Glen Road, Oakland.
Architect—Not Given. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

48	Newherry	Young	12500
(49)	Phelan	Smith	1230

REPAIRS
(48) NO. 2664 MISSION ST. Repairs and alterations to store building.
Owner—J. J. Newberry Co., Prem.
Architect—Not Given.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Filed April 19, '34. Dated April 9, '34.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $12,500

Bond, $12,500. Surety, American Bonding Co. of Baltimore. Limit, Starting April 23, finished May 28. Forfeit, none. Plans and specifications filed.

REPAIRS
(49) PHELAN BUILDING, Repairs & renewals to one Worthington duplex compound direct acting steam pump in the elevator service.
Owner — Phelan Improvement Co., San Francisco.
Architect—Not Given.
Contractor—Theodore Smith Machine Works, 139 Spear St., San Francisco.
Filed Apr. 23, '34. Dated Apr. 21, '34.
Completed and accepted.....$1230
TOTAL COST, $1230
Bond, $1230. Surety United States Fidelity & Guaranty Co. Limit, forfeit, plans and specifications, none.

BUILDING CONTRACTS

ALAMEDA COUNTY

31	Thompson	Knight	4500
30	Sndicate	Camponenosi	6001

RESIDENCE
(31) SW FERNSIDE BLVD. & YALE Drive, Oakland. Six-room residence.
Owner—Walter E. Thompson.
Architect—Not Given.
Contractor—Henry C. Knight, 315 15th St., Oakland.
Filed Apr. 25, '34. Dated Apr. 9, '34.
Rafters in place.....$1009
1st coat plaster on..... 800
Mill work in plaee..... 800
When completed 825
Usual 35 days..... 825
TOTAL COST, $4500
Bond, none. Limit, 90 days. Forfeitf none. Plans and specifications filed.

DWELLING
(30) LOT 2733 PIEDMONT PINES, Oakland. Two-story frame dwelling and garage.
Owner — Syndieate Idora Co., Ltd., Oakland Bank Bldg., Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—E. Camponenosi, 6401 Broadway Terrace, Oakland.
Filed Apr. 23, '34. Dated Apr. 13, '34.
Frame completed $1502.75
Brown coat plastering completed 1502.75
When completed 1502.75
Usual 35 days..... 1502.75
TOTAL COST, $6011.00
Bond, none. Limit, 90 days. Rorfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

SIGN ,electric, $250; 1000 Van Ness Ave.; owner, Don Lee, 1000 Van Ness Ave.; contractor, Electrical Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 101 Golden Gate Ave.; owner, Film Tavern, 101 Golden Gate Ave.; contractor Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; 842 Valencia St.; owner, Warm Belt Tavern, 842 Valencia St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER store, $485; 1989 Mission St.; owner, The Owl Drug Co., 657 Mission St.; contractor Louis C. Dunn 424 Monadnock Bldg.
BILLBOARD, $6.25; E Gough 95 North Oak St.; owner, Foster and Kleiser Co., 1675 Eddy St.
BILLBOARD, $12.50; SW Lincoln Way and 35th Ave.; owner, Foster and Kleiser Co., 1675 Eddy St.
BILLBOARD $6.35; West 19th Ave. 131 N Taraval St.; owner, Foster and Kleiser Co., 1675 Eddy St.
SIGN, electric, $175; 253 Sickles Ave.; owner, James Lane, 252 Sickles; contractor, Apex Elec. Co., 363 Fell St.
BILLBOARD, $6.25; W Church 100 N. 14th St.; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; N Silver 125 W. Congdon; owner, Foster & Kleiser Co., 1675 Eddy St.

BILLBOARD, $6.25; SW Bay Shore & Cortland; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; N Turk 84 West Van Ness; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; S Army 60 West Holladay; owner, Foster & Kleiser Co., 1675 Eddy St.

ALTER flats, $200; 157 Clara St.; owner, Roy Grantz, 157 Clara St .
REPAIR fire damage to flats, $700.00; 1346 Filbert St.; owner, D. Devine, 1346 Filbert St.; contractor, Wm. Mooney, 68 Belcher St.
SIGN, electric, $100; 3050 Mission St.; owner, Menary, 3050 Mission St.; contractor, Pioneer Electric Co., 2128 Market St.
SIGN, electric, $100; 3286 22nd Street; owner, Bank Buffet, 3286 22nd St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

SIGN, electric, $75; 1053 Market St.; owner, The Nut Club, 1053 Market St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 3050 Mission St.; owner, Menary, 3050 Mission St.; contractor, Pioneer Elec. Co., 2128 Market St.
ALTER store, $120; 1316 Laguna St.; owner, S. K. Sakai, 1627 Post St.
BILLBOARD, $12.50; E San Jose 82 S Naglee; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; SW Fulton and Octavia; owner, Foster and Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; SE Taraval and 25th Ave.; owner, Foster & Kleiser Co., 1675 Eddy St.
SIGN, electric, $120; 1734 Irving St.; owner, Samarkand Ice Cream Co., 1734 Irving St.; contractor, Novelty Elec. Sign Co., 66 Washburn.
BILLBOARD, $6.25; SW Judah and 20th Ave.; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; N Ocean 152 E Delano; owner, Foster and Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; SW Fulton and Octavia; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; W Church 200 N 14th St.; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; E Gough St. 95 N Oak; owner, Foster & Kleiser Co., 1675 Eddy St.
ALTER dwelling, $60; 629 9th Ave.; owner, Louis Polacci, Premises.
BILLBOARD, $6.25; N Taraval St. 57 E 28th Ave.; owner, Foster & Kleiser, 1675 Eddy St.

ALAMEDA COUNTY UNDER $1000

ALTER dwelling, $400; 6077 Contra Costa Road, Oakland; owner, J. D. Brethauer, Premises.
ALTERATIONS, $500; 1800 Park Blvd., Oakland; owner, Building & Loan Commissioner, 2230 Broadway.
ALTERATIONS, $25; 4040 Hopkins St., Oakland; owner, Mrs. F. E. Fritz, 4040 Hopkins St.
ALTERATIONS, $47; 829 20th Street, Oakland; owner, Geo. Smith, 829 20th St.
ADDITION, $935; 2316 87th Ave., Oakland; owner, Mrs. Kate Gammon, 2311 87th Ave.
ALTERATIONS, $20; 1700 E-12th St., Oakland; owner, S. Friedman & Co., Premises.
FIRE repairs, $700; 622-626 20th Street Oakland; owner, Wm. Kraft, Morgan Hill; contractor, C. D. DeVelbiss, 354 Hobart St., Oakland.
SHED, one-story, $50; 1843 66th Ave., Oakland; owner, H. L. Heitz, 1843 66tah Ave.
GARAGE, one-story, $350; 2620 Harold St., Oakland; owner, Mrs. May Henno, 2620 Harold St.
ADDITIONS, $700; 1129 Keith Ave., Berkeley; owner, R. W. Chaney, Premises; contractor, T. S. Lossing, 47 Canyon Road.
ALTERATIONS, $100; 1717 Ore St., Berkeley; owner, O. Goth, 1717 Oregon St.

ALTERATIONS and repairs, $75; 4331 Clement St., Oakland; owner, L. Petschart, Premises; contractor, T. A. Ryan, 5215 Fleming Ave.
ADDITION, brick, $400; S G St., bet. 86th and 89th Aves., Oakland; owner, Hazel Atlas Glass Co., Prem.; contractor, Larsen & Larsen, 629 Bryant St., San Fran-E-14th St.
LATH house, one-story, $150; 3717 Hopkins St., Oakland; owner, E. E. Stevens, Premises.
SIGN, electric, $300; 55 Grand Ave., Oakland; owner, Robin Hood Inn; contractor, Elec. Prod. Corp., 950 30th St.
ALTER residence and garage, $275; 1668 70th Avenue, Oakland; owner, M. Tyrrell, Premises; contractor, C. E. Chasmer, 4257 Suter St.
GARAGE, one-story, $100; 956 43rd St. Oakland; owner, L. Maggiora, 956 43rd St.
ADDITION, $200; 54043 E-14th Place, Oakland; owner, E. P. Abbott, Premises.
ADDITION, $25; 5340 Boyd Ave., Oakland; owner, Mr. Hartwell, Prem.; contractor, W. A. Netherby, 3853 Lyman Road.
SIGN, electric, $75; 201 Washington St., Oakland; owner, Budweiser Beer; contractor, Elec. Prod. Corp., 950 30th St.
ALTERATIONS, $850; 2202 Shattuck Ave., Berkeley; owner, Whitecotton Hotel; contractor, F. J. Wallace, 209 Washington St., Oakland.
ALTERATIONS, $100; 1638 6th St., Oakland; owner, M. Bluth, 1638 Sixth St.; contractor, John Poston 725 Virginia St.
ALTERATIONS, $700; 1219 Oxford St., Berkeley; owner, George Roder, Premsis; contractor, C. M. McKibben, 350 63rd St., Oakland.

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Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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8.—Club Buildings
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20.—Misc. Supplies & Materials

3— CHURCHES

Preparing Preliminary Working Drawings.
RECTORY Cost, $25,000
VALLEJO, Solano Co., Calif.
Two-story and basement brick veneer rectory (18 rooms) slate roof.
Owner—St. Vincents Parish Church (Rev. Father Butler, rector) Vallejo.
Architect—Arnold Constable, 580 Market St., San Francisco.

CONTRACT AWARDED
LONG BEACH, Los Angeles Co., Cal.—Schoenberger Bros., 1640 Obispo St., Long Beach, will probably sign a contract soon for a one-story and basement frame and stucco church building to be built at 1100 Freeman St., Long Beach, for the East Long Beach Methodist Church. Plans were prepared by Kenneth S. Wing, Architect and R. F. Inwood, 501 Termino St., Long Beach. The basement will contain six classrooms, toilets, social hall and kitchen; the first floor will contain nine classrooms, auditorium to seat 360 people, reception room, nursery, study and kitchenette.

4— FACTORIES & WAREHOUSES

Additional Prospective Bidders
COTTON COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif.
Stockton Waterfront.
One-story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three - story tower.
Owner—City of Stockton (Port Commission) City Hall, Stockton.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).
Following are additional contractors and others who have procured plans. Bids open May 2, 5 P. M.:
W. T. Gibson, 123 S. Grant Street, Stockton.
Rockwood Sprinkler Corp., 7 Front St., San Francisco.
John J. Cavanagh, 219 N Sutter St., Stockton.
Other prospective bidders reported April 18.

Contract Awarded
ALTER WAREHOUSE Cost, $2,000
SAN FRANCISCO. SW 7th and Townsend Streets.
Alterations to warehouse.
Owner—Baker & Hamilton, Co., Premises.
Engineer—W. L. Huber, 1 Montgomery Street.
Contractor—Reed & Reed, 1131 Hearst Building.

Planned.
CANNERY Cost, $——
STOCKTON, San Joaquin Co., Cal.
Site to be selected.
Construct new cannery.
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Philip Bush, 101 California St., San Francisco.

Foundation Contract Awarded.
PLANT Cost, $150,000
MADERA, Madera Co., Cal. 1120 Acre Site.
One-story steel frame fabricating plant (300x128 feet) sheet metal, machinery, etc.
Owner—Kingsland Granite Co. (Wm. A. Hubbard, Vice President), Rowell Bldg., Fresno.
Plans by Engineering Dept. of Owner.
Foundations—R. W. Brown, 124 High St., Madera .
Materials will be purchased by the owner and bids will be asked shortly on well drilling, electrical work, railroad tracks, etc.

To Ask Bids Shortly.
LUBRICATING PLANT $20,000
RICHMOND, Contra Costa Co., Cal. Parr Terminal.
Lubricating plant (oil storage facilities for distribution of lubricating oils, with 15,000 lbs. storage capacity, galvanized tanks, 12-14 gauge, etc.)
Owner—Penant Oil & Grease Co. (E. H. Haserot, President), Santa Fe Ave., Los Angeles.
Plans by Engineering Dept. of Owner.
Bids will be asked by the owner through the Parr Terminal, the lessor.
As previously reported fill contract awarded to E. H. Higgins, 2 Sixth St., Richmond.

Sub-Bids Being Taken.
WAREHOUSE Cost, $5500
SAN FRANCISCO. W Harrison Street 400 S. Fourth Street.
One-story reinforced concrete warehouse (85x50 feet); tar and gravel roof; concrete floor, wood doors, etc.
Owner—Frank Roccon, 356 Eighth St., San Francisco.
Engineer—James M. Smith, % Contractor.
Contractor—Vannucci Bros., 1875 San Bruno Ave., San Francisco.
of the work.
Sub-bids being taken on all portions

Plans Being Prepared
DISTILLERY Cost, $60,000
BENICIA, Solano Co., Calif.
One-story Class C concrete whiskey distillery (10,000 sq. ft.) distillation equipment, etc.
Owner—Lloyd G. Ham, et al.
Architect—Hunt-Mirk & Co., 141 Second St., San Francisco.
Application has been filed with the Government for a permit to operate.

Contract Awarded
ALTER BREWERY Cost, $9,000
SAN FRANCISCO. W Tenth St. 100 N. Bryant.
Alterations to stock house (changes to roof, furring and plastering front of building, some brick work, etc.)
Owner—Milwaukee Brewery Company, 490 Tenth Street.
Engineer—W. E. Murray, 908 Hayes.
Contractor—Cahill Bros., 206 Sansome.
Plastering—Peter Bradley, 639 Brannan Street.

Work Started.
DISTRIBUTING PLANT $——
KINGS CITY, Monterey Co., Cal. Broadway.
One-story distributing plant (30x50 ft.)
Owner—Seaside Oil Co., 1228 Produce St., Los Angeles.
Plans by Engineering Dept. of Owner.
Manager of Constr. — E. D. Jarvis, Premises.
Work will be done by day's labor by local men. Materials being purchased in Kings City.

Contract Awarded.
ALTER WAREHOUSE Cost, $2000
SAN FRANCISCO. No. 2248 Lane St.
Alterations to warehouse.
Owner—P. Filippo, 5524 Third Street, San Francisco.
Architect—Not Given.
Contractor—D. Delucchi & Son, 3275 San Bruno Ave., San Francisco.

CONTRACT AWARDED
SANTA BARBARA, Cal. — A. McDonounghh, 34 Howard Canfield Bldg., Santa Barbara, awarded contract for an addition to a lemon storge warehouse in Santa Barbara for the Johnston Fruit Co. Will be a one-story structure, 105x116 feet in area, with concrete footings, wood frame walls, steel columns, wood roof trusses, stucco exterior, wood floors and Transite roof. E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, architect.

TAKING SEGREGATED BIDS
VENTURA COUNTY, Cal.—Achitect Roy C. Wilson, 112 S Mill St., Santa Paula, is taking segregated bids for the first unit of a packing plant to be erected one and one-half miles east of Montalvo, Ventura County, for the Saticoy Lemon Assn.; Albert J. Thille, president, Santa Paula. Several types of construction are under consideration, the first design contemplating a structure with reinforced concrete basement, mushroom type of flat slab floor construction, reinforced concrete and tile side walls, mechanical ventilation, trussles or steel truss roof construction, composition roofing, steel sash, low pressure steam boilers, steel joists and steel deck roofs. Cost, $45,000.

Roofing Contract Awarded.
WAREHOUSE Cost, $5500
SAN FRANCISCO. W Harrison Street 400 S Fourth Street.
One-story reinforced concrete warehouse (85x50 feet) tar and gravel roof, concrete floor, wood doors.
Owner—Frank Roccon, 356 Eighth St., San Francisco.
Engineer—James M. Smith, % Contractor.
Contractor—Vannucci Bros., 1875 San Bruno Ave., San Francisco.
Roofing—Empire Roofing Co., 261 Silver Ave., San Francisco.
Sub-bids are being taken on plastering, plumbing, electrical work, sheet metal and glazing.
Other awards reported April 25.

AWARD RECOMMENDED
HUMBOLDT AND DEL NORTE COUNTIES, Cal.—Department of Public Works has recommended that contract be awarded to Theo. Johanns, 2020 15th St., San Francisco (lowest regular bidder) for the construction of maintenance station buildings in Humboldt and Del Norte Counties as follows:

One Standard truck shelter (Valley type, 30x60 feet) at Orick.
One Standard truck shelter (Valley tpe, 30x60 feet) at Klamath.
One Standard truck shelter (Valley type, 30x60 feet) at Crescent City.
Work includes excavation, concrete, masonry work, carpentry, mill work, sheet metal work, painting, glazing, plumbing and electrical installations.
Complete bids published April 14.

To Be Done By Day's Work.
SHED Cost, $5000
ALAMEDA, Alameda Co., Cal. Tynan and Webster Streets.
One-story wood frame sand blasting shed (50x120 feet) prepared roofing, etc.
Owner—McClintic Marshall Co., Prem.
Plans by Engineering Dept. of Owner.
Work will be done by day's labor under the supervision of the owner.

Contract Awarded.
REMODEL CANNERY Cost, $25,000
ALVISO, Santa Clara Co., Cal.
Remodel cannery (overhaul and rebuild machinery, etc.)
Owner—Bayside Canning Co (August deBeck, Manager and Supt.)
Architect—Not Given.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.

Contract Awarded
WAREHOUSE Cost, $——
SEATTLE, Wash. 170 W. Massachusetts Street.
One - story masonry warehouse (125x 18 feet) brick faced wall, steel sash, tile coping, etc.
Owner—Pacific Steamship Lines, Ltd.
Plans by contractor.
Contractor—Austin Co., Exchange Bldg., Seattle.

Contract Awarded
WAREHOUSE Cost, $7,000
STOCKTON, San Joaquin Co., Calif. 1640 E. Channel Street.
One-story brick warehouse.
Owner—San Joaquin Marketing Assn., 1640 E. Channel St., Stockton.
Architect—Not Given.
Contractor—Carl Nelson, 1421 E Channel St., Stockton.

BIDS WANTED
SAN FRANCISCO.—Until May 3rd, 2 P. M., bids will be received by Public Utilities Commission, Room 387, City Hall, for the construction of a machine shop building (Airport Contract No. 33). Work as follows: Piling has been driven for foundation and cut-off at elevation 2.0. The new building to be founded on this piling of concrete footings. Structure will be two-story of reinforced concrete beam and slab floor construction, structural steel frame, timber walls covered with galvanized metal, 18x65 feet; timber roof covered with composition roofing, intering timber frame partitions. Plumbing fixtures not included in this contract.
Plans and specifications available from Room 609, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

Contract Awarded
PACKING HOUSE Cost, $3,000
FRESNO, Fresno Co., Cal. 535 H St.
Packing house.
Owner and Builder—California Packing Corp., 101 California Street, Fresno.
Architect—Not Given.

LOW BIDDER
LOS ANGELES, Cal.—Wm. P. Nell Co., 4814 Loma Vista St., submitted low bid to Smart & Final for construction of a one-story, class D warehouse, office and garage building, 180x 340 feet, at the northwest corner of San Fernando Rd. and Colorado St. Contract will probably be awarded this week. Harry T. Miller, architect, 4814 Loma Vista St.; Wm. P. Nell Co., engineers. The building will have reinforced concrete walls, wood roof trusses, composition roofing, steel sash, skylights, composition tile bulkheads, plate glass, overhead doors, steel rolling doors, metal fire doors, wood gates, concrete slab floors, metal lath, metal toilet partitions, lockers, gas-steam radiators, drinking fountains, automatic storage water heaters, concrete vault, automatic sprinkler system, structural steel, etc., cost $70,000. All work will be included in the general contract.

Contract Awarded.
REMODEL Cost, $7000
SAN FRANCISCO. Sixteenth and Alabama Streets.
Remodel interior of factory (work includes concrete work, miscellaneous iron, wood partitions, plastering, tile work, etc.)
Owner—Lyon-Magnus, Inc., Premisea.
Architect—Albert Roller, Crocker 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Planned.
CREAMERY Cost, $——
ELLENSBURG. Washington. NW Third and Water Sts. (120x120 ft.)
Construct large creamery, ice cream plant and cheese factory (concrete construction).
Owner — Milk Products Co. (J. A. Lowden and Will Lowden, Yakima, officials of the company).
Architect—Withheld.

Planned
ADDITION Cost, $30,000
SPOKANE, Wash. 901 Broadway.
Three-story addition to brewery (new fermenting tanks, pressure equipment, etc.)
Owner—Spokane Brewing and Malting Co. (Theodore Galland, vice-president).
Architect—Not Given.

Sub-Contracts Awarded
WAREHOUSE Cost, $5500
SAN FRANCISCO. W Harrison Street 400 S. Fourth Street.
One - story reinforced concrete warehouse (85x50 feet) tar and gravel roof, concrete floor, wood doors.
Owner—Frank Roccon, 356 Eighth St.
Engineer—James M. Smith, % Contractor.
Contractor—Vannucci Bros., 1875 San Bruno Avenue.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and Tenth Sts.
Lumber—Sudden Lumber Co., Evans and Quint Streets.
Reinforcing Steel—W. C. Hauck & Co., 280 San Bruno Avenue.

Specifications Being Written.
FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner—Channel Pie Co., 3566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about one week.

Contract Awarded.
WAREHOUSE Cost, $3285
SAN JOSE, Santa Clara Co., Cal. SE Stockton and Polheumis Sts.
One-story warehouse.
Owner—Seaside Oil Co., Premises.
Plans by William D. Lotz, 1040 Benton St., San Jose.
Contractor—Summers Constr. Co., 17 N-First St., San Jose.

5— FLATS

Contract Awarded.
REPAIR FLATS Cost, $2000
SAN FRANCISCO. No. 74 Palm Ave.
Repair fire damage to flats.
Owner—A. Prigiano, 166 Fourth St., San Francisco.
Architect—Not Given.
Contractor—W. L. Jose, 710 First St., San Francisco

6— GARAGES & SERVICE STATIONS

Pump Contract Awarded.
ALTER SERVICE STATION $4000
SAN FRANCISCO. N Market St. opp. Valencia Street.
Alterations to service station.
Owner—F. M. Rowles, % Contractor.
Archit ct — F. E. Barton, Crocker Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Pumps, Etc. — Claude Vierhus, 1463 24 Ave., San Francisco.
As previously reported steel building awarded to Michel & Pfeffer Iron Works, Harrison and Tenth Sts.

To Be Done By Day's Work.
SERVICE STATION Cost, $4000
OAKLAND, Alameda Co., Cal. No. 3535 Telegraph Avenue.
One-story brick service station.
Owner and Builder—George W. Nunes 5430 Dover St., Oakland.
Plans by Owner.

Contract Awarded.
SERVICE STATION Cost, $7000
OAKLAND, Alameda Co., Cal. No. 4395 Piedmont Avenue.
One-story steel service station.
Owner—General Petroleum Corp., Parr Terminal, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Plans To Be Figured
SERVCIE STATION Cost, $——
BAKERSFIELD, Kern Co., Cal. Union Ave. ad Sonora St.
New service station (all steel construction).
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.

7—FEDERAL BUILDING

BIDS WANTED
LOS ANGELES, Cal.—Until May 29, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing steel water tank at the Veterans Administration Facility, Los Angeles. Plans and specifications available from above office.

BIDS WANTED
LOS ANGELES, Cal.—Until May 29, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for construction of an incinerator at the Veterans Administration Facility, Los Angeles. Plans and specifications available from above office.

CONTRACT AWARDED
SAN DIEGO, Cal.—Southwest Onyx & Marble Co., foot of Crosby St., San Diego, awarded contract by Bureau of Yards and Docks at $1555, for repairs to marble work at the Naval Operating Base (Marine Corps Base), San Diego; Spec. No. 7647.

LOW BIDDERS
PEARL HARBOR, T. H.—Walker & Olund, Honolulu, Territory of Hawaii, at $137,000 submitted the low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for

the construction of an extension to the storehouse at the Naval Fleet Air Base Pearl Harbor; Spec. No. 7594. Second low bid was submitted by George Hess, Los Angeles, at $144,000. Complete bids will be published shortly.

CONTRACT AWARDED

SAN DIEGO, Cal.—Expo Stucco and Art Marble Co., foot of Juniper St., San Diego, awarded contract by the Bureau of Yards and Docks at $5,349 for repairs to shower and toilet room floors at the Naval Operating Base (Training Station) San Diego; Spec. 7655.

CONTRACT AWARDED

SAN DIEGO, Cal.—John F. and Laura Jackman Shanley, 2700 Kettner Blvd., San Diego, awarded contract by Bureau of Yards and Docks, at 17c square foot (item No. 1), for repairs to magnesite floor at the Naval Operating Base (Marine Corps Base), San Diego; Specification 7677, Expo Stucco & Art Marble Co., foot of Juniper St., San Diego, was awarded item No. 2 at 20.74c square foot. The work consists in general of cutting out of approximately 12,000 square feet of old defective magnesite floor and the replacement in part with new magnesite floor and the remainder with new cement topping of red color finish. The bids follow:

John F. and Laura Jackman Shanley, (1) 17c; (2) 21.75c.

Expo Stucco & Art Marble Co., (1) 21.63c; (2) 20.74c.

A. P. Snell, (1) 22c; (2) 29.75c.

Miracle Co., (1) 23c; (2) 31c.

Straight Edge Drainboard Co., (1) no bid; (2) 24c.

CONTRACT AWARDED

FRESNO, Cal.—A. M. Dame, 944 S. Eighth St., Fresno, awarded contract by Treasury Department, at $709, for miscellaneous repairs and painting at Fresno Post Office.

BIDS WANTED

FORT PECK, Montana—Until May 14, 12 M., bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of camp buildings at the site of the proposed Fort Peck construction Camp.

The work includes excavation, timber curtain walls, foundation posts, reinforcing steel, approximately 100 temporary residences, 2 laundry buildings, 2 motion-picture theatres, laboratory building, town hall, recreation building, store building, women's dormitories and 2 women's mess halls. Circular 87.

ADDITIONAL PROSPECTIVE BIDDERS

EDIZ HOOK, Wash.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the U. S. Coast Guard, Washington, D. C., on May 11 for the construction of structural steel and masonry seaplane hangar, approximately 120 by 100 feet, with steel sliding doors at the front, two leanto extensions, each approximately 20 by 100 feet with concrete footings, foundations and floors, complete with modern improvements; a creosoted timber and pile seaplane ramp approximately 50 by 196 feet; dredging, concrete turning platform, runway ramps, apron and retaining walls, and accessories for the Coast Guard at Port Angeles Air Station, Ediz Hook, Washington.

Edward Ekrem, 100 N. 74th Street, Seattle.

Nelse Nortensen Co., 1021 Westlake Ave., Seattle.

K. E. Parker Co., 1355 Park Ave., San Francisco.

Dreher Bldg. Co., 3331 Hewitt Crescent, Cincinnati, O.

S. S. Mullen, Port Angeles.

Pittsburgh Des Moines Steel Co., Neville Island, P. O., Pittsburgh.

Hartenstine - Zane Co., Inc., 225 Broadway, New York City.

E. E. Bettridge, 2444 20th St., NW., Miami, Florida.

Perry Fireproofing Co., Inc., 2440 Indiana Ave., Chicago.

Virginia Bridge & Iron Co., Roanoke, Va.

Ingalls Iron Works Co., Birmingham, Ala.

American Bridge Co., American Security Co., Washington, D. C.

Wallace Bridge & Structural Steel Co., W. Magnolia Way and W. Idaho St., Seattle.

Truscon Steel Co., Investment Bldg., Washington, D. C.

ELEVATOR CONTRACT AWARDED

SAN FRANCISCO, Cal.—Pacific Elevator Co., 45 Rausch St., San Francisco, was awarded a contract by the Treasury Department on April 21, at $72,000, for an elevator plant to be installed in the new Federal Office Building under construction in San Francisco. Great Lakes Construction Co., Chicago, general contractors.

BIDS WANTED

FORT LEWIS, Washington.—Until May 1, 11 a. m., bids will be received by the Constructing Quartermaster, Fort Lewis, for the installation of the plumbing and heating equipment in the Drill Hall at Fort Lewis. Plans and specifications available from above office.

TO MAKE SURVEY

TURLOCK, Stanislaus Co., Cal.—Horace C. Hall, City Engineer, Turlock, has been awarded a contract by the Post Office Department, Washington, D. C., to make survey of property on the corner of West Main St. and Lander Ave. for the proposed new post office building.

CONTRACT AWARDED

EL CENTRO, Imperial Co., Cal.—Sherwood Curtain Co. at $197 awarded contract by Post Office Department for furnishing and installing 34 Venetian blinds for the U. S. Post Office, El Centro.

BIDS REJECTED

CONCORD, Contra Costa Co., Cal.—Post Office Department rejected all bids for furnishing and installing furniture and screen line equipment for the U. S. Post Office, Concord.

BIDS REJECTED

MENLO PARK, San Mateo Co., Cal.—Post Office Department rejected bids for furnishing and installing furniture and screen line equipment for the U. S. Post Office, Menlo Park.

LOW BIDDERS

PORT TOWNSEND, Wash.—Murch Bros. Construction Co., 4111 Lindell Blvd., St. Louis, Mo., at $232,000 submitted low bid to Treasury Department, Washington, D. C., for the construction of buildings, boat basin, wharf, etc., at the U. S. Quarantine Station, Port Townsend, Washington. Second low bids was submitted by Pioneer Constr. Co., Denver, Colo., at $253,700.

Complete bids will be published shortly.

BIDS REJECTED

MENLO PARK, San Mateo Co., Cal.—Post Office Department rejected bids for seven sections of lock boxes for the Menlo Park Post Office.

CONTRACT AWARDED

MARYSVILLE, Yuba Co., Cal.—Shredwood Curtain Co. at $310 awarded contract by Post Office Department for furnishing 35 Venetian blinds for the Marysville Post Office.

BIDS REJECTED

VISALIA, Tulare Co., Cal. — Post Office Department rejected all bids for furnishing steel furniture for the Visalia Post Office.

BIDS WANTED

MARYSVILLE, Yuba Co., Cal.—Until May 2 P. M., bids will be received by Treasury Department, Procurement Division, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Marysville. Specifications available from above office or from the custodian of the building, Marysville.

Preparing Working Drawings

POST OFFICE Cost, $55,000

LODI, San Joaquin Co., Calif.

One-story and basement Class A brick and steel post office building (60x 100 ft.) flat roof, brick and terra cotta front, steam heating system.

Owner—United States Government.

Architect—S. Heiman, 605 Market St., San Francisco.

Contract Awarded.

CHILKOOT BARRACKS, Alaska—West Coast Heating Co., 1924 Ninth St., Seattle, Wash., at $8285 awarded contract by Ninth Corps Area, for removing oil boilers and for the installation of new steam heating boilers in fifteen sets of Officers' Quarters and double barracks buildings at Chilkoot Barracks, Alaska.

Complete bids published April 14.

PRELIMINARY PLANS REVISED

VAN NUYS, Los Angeles Co., Cal.—Architect J. Robert Harris, 6715 Hollywood Blvd., Hollywoood, is preparing revised preliminary plans for the U. S. Post Office building to be built on Sylvan St., between Van Nuys Blvd. and Vesper St., Van Nuys. Construction will probably be reinforced concrete. The appropriation is approximately $45,600.

BIDS WANTED

ALCATRAZ ISLAND, Cal.—Until April 30, 3 P. M., bids will be received by J. A. Johnson, Warden, Alcatraz Island, Room 217, Post Office Bldg., San Francisco, for detention type steel sash windows at Alcatraz Island.

CONTRACT AWARDED

SAN FRANCISCO. — Herman Lawson, 465 Tehama Street, at $7,797 was awarded contract by Constructing Quartermaster, for the construction of a boiler room in Building No. 101, and chimney foundation, chimneys and low pressure steam heating systems in Buildings Nos. 91, 92, 93, 94 and 101, Main Post, Presidio, San Francisco.

Complete bids published April 17.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—York Ice Machine Co., 234 Ninth St., San Francisco, at $1,260 submitted the only bid to the Post Quartermaster, Hamilton Field, for construction of alterations and additions to existing refrigeration equipment for the fur storage room in Air Corps Warehouse, at Hamilton Field. Bid held under advisement.

BIDS WANTED

MARYSVILLE, Yuba Co., Cal.—Until May 2, bids will be received by the Treasury Department, Washington, D. C., for painting plaster in the U. S. post office at Marysville.

BIDS WANTED

MARYSVILLE, Cal.—Until May 1 at 2 P. M., bids will be received by the Procurement Division, Public Works Branch, Treasury Department, Washington, D. C., Room 214, for furnish-

ing insect screens in the U. S. post office at Marysville. Drawings and specifications may be obtained from the custodian of the building or at the above office.

W. E. Reynolds, Assistant Director of Procurement, Public Works branch.

April 24, 1934

CONTRACT AWARDED

SELMA, Fresno County, Cal.—Keyless Lock Co., Indianapolis, at $739 awarded contract by Post Office Department for three sections of lock boxes for the Selma Post Office. 7

April 24, 1934

BIDS OPENED

GLENDALE, Los Angeles Co., Cal. —Following bids received by Post Office Department for furnishing 32 Venetian blinds for the U. S. Post Office, Glendale. Proposal No. 1266. (1) venetian blinds (2) cloth shades (3) wood slat shades (4) wood slat shade (glare free type):

W. F. McCrea Co., item 1, $509.15, 2%. McRee-Green Mfg. Corp., item 1, $469.75 2%. Glendale Linoleum & Window Shade Shop, item 1, $578.86 2%. Patterson Shade Co., item 1, $894, 2%. Western Venetian Blind Co., item 1, $530.97 2%. Bostwick-Goodell Co., Item 1, $474.44, 2%. Watson Mfg. Co., item 1, $525.74, 2%. A. J. Ruhlman, item 1, $819.75. Schatz Venetian Blind Co., item 1, $518.64, 1%. Venetian Blind Corp., item 1, $530.97, 2% Higgin Mfg. Co., item 1, $525.74, 1% Rylack Co., item 1, $616.74, 2%. Kane Mfg. Co., item 1, $585. Rolscreen Co., Item 1, $570, 2%. Swedish Venetian Blind Co., item 1, $557.31, 1%. Burlington Venetian Blind Co., item 1, $557.31, 2%. Yardley Screen & Weatherstrip Corp., item 1, $525.75, 2%. Raymond Porch Shade Co., item 1, $613.04, 3, $456.75, 1%. Hough Shade Corp., item 1, $557.31; 3, $427.57; 1%. Shredwood Curtain Co., item 4, $343.20, 1%. Aeroshade Co., item 3, $341; 4, $552 1%. Warren Shade Co., item 3, $335.40, 1%.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —Meyer Rosenberg, 1755 San Bruno Ave., San Francisco, at $5,400 submitted low bid to the Constructing Quartermaster. Hamilton Field, for excavating and hauling 20,000 cu. yds. of unclassified material at Hamilton Field. Following bids received:

(1) overhaul or underhaul per station yard;
(2) Excavation, over or under quantity specified, per cu. yd.;
(3) Total.

Meyer Rosenberg, S. F.	(1)	$ .004
	(2)	.27
	(3)	5,400.00
L. J. Immel, Berkeley	(1)	$ .002
	(2)	.27
	(3)	5,413.00
Garcia Const. Co., Irvingington	(1)	$ .01
	(2)	.43
	(3)	8,600.00
N. M. Ball, Porterville	(1)	$ .004
	(2)	.35
	(3)	7,000.00
Leibert & Trobock, S. F.	(1)	$ .01
	(2)	.35
	(3)	7,000.00
Ariss-Knapp, Oakland	(1)	$ .01
	(2)	.35
	(3)	7,600.00
Devincenzi Bros., S. F.	(1)	$ .0075
	(2)	.39
	(3)	7,800.00
R. A. Farish, S. F.	(1)	$ .005
	(2)	.40
	(3)	8,750.00

Bids held under advisement. *

CONTRACTS AWARDED

SALEM, Ore.—Malarkey & Kallander, Portland, awarded contract by U. S. Property and Disbursing Officer, Militia Bureau, Salem, for constructing warehouse, bath buildings and an infirmary at Camp Clatsop, Ore. Their awards were made as follows: Warehouse, $18,033; three bath buildings for officers, $7676; two bath buildings for enlisted men, $7143; infirmary, $3,275. Other awards were: Three mess halls, Burgess, Larvick & Ostrum, $2,983; seventy tent floors, Burgess and Peppino, $1469; electric light system, J. B. Miller, Oregon City, $2179; painting, McCafferty & Noll, Salem, $898.

9— HOSPITALS

COMPLETE BID LISTING

SAN FRANCISCO. — As previously reported, Frank J. Reilly, 6350 Fulton St., at $10,230 submitted low bid to the Treasury Department, Washington, D. C., for the construction of an addition to the plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St. Following bids received:

Frank J. Reilly, S. F.	$10,231
R. S. Silverburg, S. F.	10,338
DeLuca & Son, Inc., S. F.	10,360
T. I. Strand, S. F.	10,645
Wm. Spivock, S. F.	11,160
Schuler & McDonald, Oakland	13,700
Wm. MacDonald Const. Co., St. Louis, Mo.	14,654

Bids held under advisement.

Plans Being Prepared

HOSPITAL Cost, $75,000
DUCK VALLEY RESERVATION, Elko, Nevada.
Hospital building to accommodate 25 beds.
Owner—Not Given.
Architect—J. Erickson, Chicago.
Plans will be forwarded to Washington, D. C., for approval as soon as completed. *

CONTRACT AWARDED

NAPA, Cal.—Monarch Iron Works, 262 7th St., San Francisco, at $158 awarded contract by State Purchasing Department, Sacramento, for miscellaneous iron at the Napa State Hospital, Napa. Following bids received:

Monarch Iron Works, S. F.	$158.00
Fair Manufacturing Co., S. F.	174.50
Golden Gate Iron Works, S. F.	183.00

April 25, 1934

Plans Being Prepared

HOSPITAL Cost, $180,000
NESPELEM, Wash. Nespelem Indian Agency.
New hospital building (40 beds).
Owner—U. S. Government.
Architect, Schmidt, Garden & Erickson, Chicago.

BIDS OPENED

AGNEW, Santa Clara Co., Calif.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $230.00 submitted low bid to State Purchasing Department, Sacramento, for miscellaneous iron at the Agnew State Hospital. Following bids received:

Golden Gate Iron Works, S. F.	$230
Mortensen Const. Co., S. F.	255
Monarch Iron Works, S. F.	275
Judson Pacific Co., S. F.	277
Fair Mfg. Co. (incl. state tax)	306

CONTRACT AWARDED

AGNEW, Santa Clara Co., Cal.—Westinghouse Electric Elevator Co., 166 7th St., San Francisco, at $1530 awarded contract by State Purchasing Department for mechanical and electrical work in passenger elevator in Wards Nos. 1 and 2.

10— HOTELS

Plans Completed.

REMODEL HOTEL Cost, $2500
STOCKTON, San Joaquin Co., Cal. No. 124 S-Sutter Street.
Remodel Clark Hotel.
Owner—Wm. Clark, Premises.
Architect—Glenn Allen, 412 E-Market St., Stockton.

FIRE LOSS

TAHOE CITY, Placer Co., Cal.—Fire destroyed the Tahoe Inn April 24. Damage estimated at $20,000, which is partially covered by insurance. Carl Becholdt, owner.

12— POWER PLANTS

BONDS DEFEATED

LODI, Cal.—A $520,000 bond issue to finance construction of a hydro-electric power plant on the Mokelumne River was defeated by the Lodi electorate April 23. The vote was 957 for and 571 oopposed.

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed

ADDITION Cost, $142,000
VISALIA, Tulare Co., Cal.
Three - story addition to courthouse (central heating plant) approximately 20,000 sq. ft. of floor space.
Owner—County of Tulare.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Structural Engineer—F. W. Kellberg, 320 Market St., San Francisco.
Public Works Administration has made a grant of 30% of the cost of labor and materials. The grant will be approximately $40,000. Bids will be asked shortly.

Additional Sub-Contracts Awarded.

MEMORIAL Cont. Price, $52,432
WATSONVOLLE, Santa Cruz Co., Cal.
Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 ft.) will contain auditorium to seat 1500; clubrooms, etc.; air heating system, hardwood and tile floors, public address system, stage, etc.
Owner—County of Santa Cruz.
Architect — A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.
Engineer — Norman Green, 55 New Montgomery St., San Francisco.
Contractor — H. H. Larsen, 64 South Park, San Francisco.
Mill Work — Pacific Mfg. Co., Santa Clara.
Hardwood Floors — Finn Hardwood Floor Co., Watsonville.
Steel Sash — Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Roofing—Central Supply Co., Watsonville.
Sheet Metal & Plumbing—A. P. Beck, Watsonville.
Electric—E. M. Smith, Santa Cruz.
Rolling Doors—Kinnear Mfg. Co., 361 Brannan St., San Francisco.
Finish Hardware—San Jose Hardware Co., San Jose.
Painting—J. Seekins, Route 3, Box 278-A, Watsonville.
As previously reported, steel awarded to W. S. Wetenhall, 17th and Wisconsin Sts., S. F.; structural steel to Golden Gate Iron Works, 1541 Howard St., S. F.; grading to L. C. Karstedt, Box 844, Watsonville.

Bids Opened

LIBRARY Cost, $450,000
SEATTLE, Washington.
Three - story Class A concrete and structural steel library brick facing, cast and natural stone, slate composition, roofing, acoustical treatment, steam heating, concrete slab, blackboards, cork tile, fire doors, tile, linoleum, hollow tile iron stairs, ornamental iron temperature regulators, fan ventilators, ornamental plaster, intercom-

municating telephones, steel sash, vacuum cleaners, etc.
Owner—University of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Structural Engineer—E. C. Anderson.
Mechanical Engineer—Lincoln Bouillon, 1411 4th Ave. Bldg., Seattle.
Following bids received:

General Contract

Peder Gjarde, Joshua Green Bldg., Seattle	$214,539
Henrikson-Alstrom Co.	230,800
Neil McDonald	233,786
Western Const. Co.	242,400
Sheble Const. Co.	243,500
Warrack Const. Co.	247,541
A. D. Belanger	270,000
Teufel & Carlson	270,000
West Coast Const. Co.	273,000

Not Considered
(Failed to list subcontractors)

Sound Const. & Engr. Co.	$243,714
A. W. Quist & Co.	(not read)
R. B. Hammond, Portland	(not read)

Heating and Plumbing

Rautman, P. & H. Co., 115 Jackson St., Seattle	$66,464
Wenzler & Ward, Inc.	68,656
Ashwell & Twist	70,125
N. E. Beggs	72,729
Hellenthau P. & H. Co.	73,418
West Coast Heating Co.	74,240
University Plbg. & Heating Co.	(not read)

Electric Wiring

NePage - McKenny Co., 804 6th St., Seattle	$16,690
F. J. Agutter & Co.	17,140
City Elec. & Fixt. Co.	17,475
Arrow Electric Co.	18,977
Stewart Electric Co.	20,516
Carlson Electric Co.	(not read)
F. W. Rust & Co.	(not read)

*Failed to list subcontractors.

Bookstacks, Library Equipment

Art Metal Const. Co., 1115 2nd Ave., Seattle	$67,080
Remington Rand, Inc.	81,476
Jamestown Equip. Co.	81,900
Sneed & Co.	82,734

Elevators

Montgomery Elevator Co., 709 2nd Ave., Seattle	$ 8,681
Otis Elevator Co.	8,817
Westinghouse Electric Co.	12,632

BIDS OPENED

SAN FRANCISCO.—Michel & Pfeffer Iron Works Harrison and Tenth Sts., at $65.00 submitted low bid to Department of Public Works for iron grilles in the Civic Auditorium. Following bids received:

Michel & Pfeffer Iron Works	$ 65.00
Ace Iron Works	68.00
Patterson & Koster Iron Works	77.00
Monarch Iron Works	90.00
Add for sales tax	1.25
Star Iron Works	94.39
Sunset Iron Works	95.00
G. Abitsch Orn. Iron Works	110.30
Industrial Orn. Iron Works	123.00
Anchor Post Fence Co.	132.50
West Coast Wire Works	165.00
C. J. Waterhouse	235.00

Bids held under advisement. *

BIDS OPENED

SAN QUENTIN, Marin Co., Calif.—McLaughlin Sheet Metal Works, 1914 I St., Sacramento, at $7,649 submitted low bid to State Department of Public Works, Sacramento, for furnishing and installing sheet metal work, heating and ventilating system, cell block and solitary confinement unit at the California State Prison, San Quentin.
Following bids received:

McLaughlin Sheet Metal Works, Sacramento	$ 7,649
Ace Sheet Metal Works, S. F.	7,690
J. Herman Co., Los Angeles	7,800
Carpenter & Mendenhall, Sacramento	8,244
F. W. Snook, San Francisco	8,529
Scott Co., San Francisco	8,854
Frank Ahl, Sacramento	10,024
Herman Lawson, San Francisco	10,470
Richmond Sheet Metal Works, Richmond	11,985
Dixon & Holbrook, Berkeley	12,197
J. A. Nelson, San Francisco	12,235

Bids held under advisement.

GRANT APPROVED

VISALIA, Tulare Co., Cal.—Public Works Administration has approved a grant of $40,000, to be used in financing the construction of an addition to the Tulare County courthouse in Visalia. Cost of the improvement will total about $140,000, the county having more than $100,000 on hand for this purpose. Plans for the addition have been completed and the county supervisors will probably call for bids at their next regular meeting. It will be a three-story, reinforced concrete structure with a steam heating plant. Ernest J. Kump, Rowell Bldg., Fresno, architect.

Sub-Contracts Awarded

FIRE HOUSE Cont. Price, $11,250
SACRAMENTO, Sacramento Co., Cal.
Vallejo Way and Freeport Blvd.
One-story brick fire house.
Owner—City of Sacramento.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—William C. Keating, 1121 24th St., Sacramento.
Excavation—I. J. Renattl, 3277 B St., Sacramento.
Concrete—Carl R. Fiedler, 2631 30th St., Sacramento.
Iron Work—Alling Iron Works, 2415 5th St., Sacramento.
Steel Sash, Roller Screens and Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Ceramic Tile—H. G. Adams, 2610 1 St., Sacramento.
Brick Work—Creed Wainscott, 5509 Folsom Blvd., Sacramento.
Plastering—David Hill, 3448 I Street, Sacramento.
Mill Work—Burnett & Son, 11th and C Sts., Sacramento.
Glazing—T. E. Cain, 2416 I St., Sacramento.
Roofing—Bush Roofing Co., 1912 K St., Sacramento.
Sheet Metal—Wagner's Sheet Metal Works, 2900 M St., Sacramento.
Heating—Carpenter & Mendenhall, 907 Front St., Sacramento.
Electric—Jack Kohl, 1710 Tenth St., Sacramento.
Plumbing—Harold Dixon, 616 26th St., Sacramento.
Painting—Ed. Sprague, 2508 7th Ave., Sacramento.

Sub-Contracts Awarded.

ADDITION Cont. Price, $67,776
SACRAMENTO, Sacramento Co., Cal.
Three-story reinforced concrete annex addition to City Hall.
Owner — City of Sacramento (H G. Denton, Rm. 203, City Hall, Clerk)
Architect—Harry Devine, California State Life Bldg., Sacramento.
Contractor—Campbell Constr. Co., 800 R St., Sacramento.
Heating—Luppen & Hawley, 3126 Jay St., Sacramento.
Plumbing — Hatelcy & Hateley, 1714 Tenth St., Sacramento.
Mill Work—Capital City Mill, 1814 9th St., Sacramento.
Reinforcing Steel—Truscon Steel Co., 1750 Army St., San Francisco.
Structural Steel and Ornamental Iron—Palm Iron Works, 15th and S Sts., Sacramento.
Roofing—Bush Roofing Co., 1914 Kay St., Sacramento.
Sheet Metal Work—Ahl Sheet Metal Works, 1615 21st St. Sacramento.
Painting — Wilcoxon & Wilson, 1734 34th St., Sacramento.
Plastering—Thos. F. Scollan Co., 2919 T St., Sacramento.
Marble and Tile—Fischer Tile & Marble Co., 1219 Jay St., Sacramento.
Glass and Glazing—W. F. Fuller & Co. 1014 12th St., Sacramento.
Linoleum — McLean Hardwood Floor Co., Sacramento.

14— RESIDENCES

Low Bidders

RESIDENCES Cost, $125,000
BONNEVILLE, Ore. Columbia River.
Twenty 2 - story and basement frame and stucco residences (3 and 4 bed room houses) warm air heating system (to be furnished by the government) tile baths and kitchen, metal lath.
Owner—United States Government.
Plans by U. S. Engineers' Office, Portland.
Following are the three low bids:
George Waale Co., 329 SW Oak St., Portland, $161,688; alternates, $160,088 and $160,688.
Wm. Spivock, San Francisco, $163,070; alt. $162,440.
W. E. Kier, Oakland, $165,077; alts., $164,477 and $167,277.
Alternate proposals were taken for furnishing alternate type insulating board and for furnishing blanket type insulation. *

BIDS WANTED

LOS ANGELES, Cal.—Until May 14, 11 A. M., bids will be received by Office of the Superintendent of Lighthouses, Room 424, Custom House, San Francisco, for the construction of a one-story frame and stucco dwelling at the Los Angeles Lighthouse Depot, Terminal Island. Proposal No. N-200. Plans and specifications available from above office upon deposit of $10.

Contract Awarded.

RESIDENCE Cost, $4500
OAKLAND, Alameda Co., Cal. SW Fernside Blvd. and Yale Drive.
One-story and basement frame and stucco residence (6 rooms).
Owner—Walter E. Thompson.
Architect—Not Given.
Contractor — H. C. Knight, 315 15th St., Oakland.

Spb-Contracts Awarded.

RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 2612 Parker Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—C. Szuch, 2608 Parker Ave., Oakland.
Architect—Not Given.
Contractor — Cle Meon, 4201 E-16th St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Plumbing — K. C. Nelson, 2534 14th Ave., Oakland.
Brick—E. F. Morgan, 1712 79th Ave., Oakland.
Concrete — Thomas A. Ryan, 5215 Fleming Ave., Oakland.
Painting — Delbert Flint, 1256 Hawthorne St., Alameda.

Sub-Contracts Awarded.

RESIDENCE Cost, $4500
ALAMEDA, Alameda Co., Cal. Yale and Fernside Avenues.
One-story and basement frame and stucco residence (6 rooms).
Owner—W. E. Thompson, 3004 Encinal Ave., Alameda.
Architect—Not Given.
Contractor—Harry C. Knight, 315 15th St., Oakland.
Lumber—Smith Lumber Co. of Oakland, Foot of 19th Ave., Oakland.
Mill Work, Sash and Doors—Atkinson Mill & Mfg. Co., 2985 Chapman St. Oakland.
Sheet Metal and Heating—Christiansen & Grutsch, 444 Piedmont Ave., Oakland.
Concrete Materials — Powell Brothers Building Material Co., Pearl St. and Harrison Ave., Alameda.
Electric — Ansel's Electric Co., 1401 Park St., Alameda.

Tile—Howden Tile Co., 337 17th St., Oakland.
Hardware and Fixtures — Maxwell Hardware Co., 1320 Washington St., Oakland.
Plumbing—Victor Richlt, 3528 Thompson Ave., Alameda.
Sub-bids are being taken on plastering, according to Knight.

Sub-Bids Wanted.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal. Leimert Boulevard.
Two-story and basement frame and stucco residence (8 rooms and 3 baths), tile roof, tiled baths, gas heating system, hardwood floors.
Owner and Builder—Geo. Smith, 2513 21st Ave., Oakland.
Architect—Irwin M. Johnson, 2215 7th Ave., Oakland.
Sub-bids are being taken on all portions of the work.

Contract Awarded.
ALTER RESIDENCE Cost, $4000
BURLINGAME, San Mateo Co., Cal. Lot 1 Blk. L, Burlingame Avenue.
Alterations and additions to frame residence.
Owner—L. Leamer.
Architect—Not Given.
Contractor—Louis Beger, 1616 Golden Gate Ave., San Francisco.

To Be Done By Day's Work.
ADDITION Cost, $1500
REDWOOD CITY, San Mateo Co., Cal. No. 1216 Roosevelt Ave.
Addition to frame residence.
Owner and Builder—H. Welton, Prem.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN FRANCISCO. E Twenty-first Ave. 25 N Judah St.
One-story and basement frame and stucco residence.
Owner and Builder—August Hallgren, 1594 29th Ave., San Francsico.
Architect—Not Given.

Plans Being Completed
ALTER RESIDENCE Cost, $1200
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—Withheld.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Bids will be asked in one week.

April 21, 1934

Contract Awarded.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. No. 1094 Cragmont Avenue.
One-story frame residence (4 rooms).
Owner — L. Santos, Cragmont, Berkeley.
Architect—Not Given.
Contractor—Roy Towers, 2508 Benvenue Ave., Berkeley.

Plans Being Prepared
RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Calif.
One - story and basement frame and stucco residence (five rooms) tile roof, oil burner, hot air heating system, hardwood floors, tile bath.
Owner—Withheld.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked about June 1.

To Be Done by Day's Work.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. No. 954 Keeler Avenue.
Two-story frame and stucco residence (7 rooms).
Owner and Builder—Alfred Foster, 924 Hilldale Ave., Berkeley.
Plans by Owner.

Sub-Bids Being Taken.
RESIDENCE Cost, $4000
PIEDMONT, Alameda Co., Cal. Pines Tract.
One-story and basement frame and stucco residence (45 rooms), English type.
Owner—Wesley C. Hayward
Architect—Not Given.
Contractor — G. G. Allen, 1239 106th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4914 Proctor Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—Mrs. C. D. Button, 528 62nd St., Oakland.
Architect—Not Given.
Contractor—Charles Ungaretti, 1727 Foothill Blvd., Oakland.

Preliminary Sketches
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Owner—Thomas Driscoll, 444 California Street.
Architect — Louis P. Hobart, Crocker Bldg., San Francisco.

BIDS WANTED
SAN FRANCISCO.—Until May 3, 2 P. M., bids will be received by Public Utilities Commission, Room 287, City Hall, for the construction of a frame dormitory (H.H.W.S. Contract 147). Building will be approximately 62x68 feet, --story and basement in height.
Work involves: concrete, brick work miscellaneous iron, steel and metal work, carpentry, glass and glazing, cement finishing, painting, finish hardware, linoleum, plumbing and plumbing fixtures, electrical wiring and electrical fixtures.
Plans and specifications available from Room 609, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

Preparing Working Drawings
RESIDENCE Cost, $8000
HEALDSBURG, Sonoma Co., Cal. Five miles south of Healdsburg on Russian River road.
One - story and basement frame and brick veneer residence (6 rooms, two baths) asbestos slate roof, oil heating system, tiled baths, hardwood floors.
Owner—Warren Jones.
Architect—John Easterly, 302 Grant St., Healdsburg.
Bids will be asked about June 1.

Plans Being Prepared.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Calif. Las Haciendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.)
Owner—E. L. Bundy.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

Plans Completed.
RESIDENCE Cost, $12,000
SAN FRANCISCO. E Webster St. 127 N Beach St.
Two-story and basement frame and stucco residence (8 rooms and 3 baths); Spanish style, tile roof, gas heating system, hardwood floors ,tiled baths, etc.
Owner and Builder—Louis Franceschi, 222 Cervantes Blvd., S. F.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Sub-bids will be taken shortly.

Plans Completed.
RESIDENCE Cost, $9000
SAN FRANCISCO. E Webster St. 159 N Beach St.
Two-story and basement frame and stucco residence (7 rooms and 2 baths); Spanish style, tile roof, gas heating systemf, hardwood floors, tiled baths, etc.
Owner and Builder—Louis Franceschi, 222 Cervantes Blvd., S. F.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Sub-bids will be taken shortly.

Sub-Contracts Awarded
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Calif. 90 Quail Avenue.
One - story and basement frame and stucco residence (5 rooms).
Owner—Wm. M. Pierson, 190 Poplar St., Berkeley.
Architect—Ray Keefer, 770 Wesley St. Oakland.
Contractor—Edward Larmer, 90 Fairview Ave., Piedmont.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Shake Roof—W. L. Rideout, 641 Central Ave., Alameda.
Heating, Sheet Metal—Aarvaks Heating Appliance Co., 2913 Valley St., Berkeley.
Painting—Gus Hurtig, 1536 Edith St., Berkeley.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Electric—George Woolf, 795 Alcatraz Ave., Oakland.
Concrete—Frank Salamid, 5350 Manila Ave., Oakland.
Steel Sash—Gleason Steel Prod. Co., 63rd and Doyle, Emeryville.
Plumbing—Suendermann Plbg. Co., 321 University Ave., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 765 Euclid Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder — Oscar Carlson, 659 Santa Barbara Road, Berkeley
Architect—Not Given.
Brick—P. C. Clausen, 170 Ardmore Road, Berkeley.
Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.
Electric—James Anderson, 2421 23rd Ave., Oakland.
Fixtures — Maxwell Hardware Co., 1320 Washington St., Oakland.
Sash and Doors — Western Door & Sash Co., 5th and Cypress Sts., Berkeley.
Concrete — Axel A. Johnson, 1844 Channing Way, Berkeley.
Heating and Sheet Metal — Bertel Mork, 1606 10th St., Berkeley.
Plumbing—Leon A. Winchester, 5316 Miles Ave., Oakland.
Painting — Joel Johnson, 3937 High St., Oakland.

Contract Awaraded.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. The Alameda.
Two-story and basement frame and stucco residence (9 rooms and 2 baths); tile roof, gas hot air heating system, separate 2-car garage, hardwood floors, tiled baths, etc.
Owner—Withheld.
Plans by L. F. Hyde, 701 25th St., Oakland.
Contractor—Herbert Green, 802 Cerrito St., Berkeley.

Plans Being Completed.
RESIDENCE Cost, $——
CENTERVILLE, Alameda Co., Calif.
One-story and basement frame and stucco residence (five rooms, California Colonial style.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Bids will be asked in about one week.

Construction Postponed Indefinitely.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Pied-

mont Pines.
Two-story frame and stucco residence Monterey-Colonial Type.
Owner—Hugh Cameron.
Architect — Miller & Warnecke, Financial Center Bldg., Oakland.

Construction Postponed Indefinitely.
RESIDENCE Cost, $6000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story frame and stucco residence.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Low Bidder — W. A. Petersen, 7107 Weld St., Oakland.

Sub-Contracts Awarded.
RESIDENCES Cost, $——
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two one-story frame and stucco residences.
Owner—F. Hilthon.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Contractor—Flener & Griffin, 1921 26th Ave., Oakland.
Concrete—Transit Concrete Co., 2500 Peralta St., Berkeley.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Mill Work—Tilden Lumber Co., Foot of University Ave., Berkeley.
Electric—Conrad Electric Co., 2520 San Pablo Ave., Oakland.
Plumbing—Minoggio Bros., 2316 Telegraph Ave., Oakland.
Plastering—Fanseca & Perry.
Brick Work—M. D. Wood, 878 E-28th St., Oakland.
Sub-bids are wanted on shingle roofing, sheet metal, painting and hardwood floors.

Sub-Contracts Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 1921 Oakview Drive.
Two-story and basement frame and stucco residence (7 rooms).
Owner—Grace S. Harwood, 3514 Lyon Ave., Oakland.
Architect—Not Given.
Contractor — Wm. P. Harwood, 3415 Lyon Ave., Oakland.
Electric—Kerr & Clifford, 3525 E-14th St., Oakland.
Plumbing—Wm. P. Rouse, 3606 Ardley Ave., Oakland.
Lumber—Melrose Lumber Co., 1201 46th Ave., Oakland.

TO ASK BIDS
GRAND COULEE DAM, Ore.U. S. Reclamation Service, Denver, will ask bids shortly for the construction of 38 houses for the model engineer's townsite on the flat north of the damsite on the west side of the Columbia river. Frank A. Banks, construction engineer, Denver.

Plans To Be Prepared
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 460 Spruce Street.
Three-story frame and stucco residence (8 rooms).
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Plans by Owner.
Sheet Metal—L. F. Witharm, 686 38th St., Oakland.
Plastering—Harry Mortensen, 4060 E-18th St., Oakland.
Concrete—East Bay Cement Co., 5118 Clark St., Oakland.
Electric—E. L. Reed, 3515 Porter St., Oakland.
Flooring—Ambrose Bros., 43th Ave., Oakland.
Tile Roofing—W. L. Saxby, 4532 Fleming Ave., Oakland.
Composition Roofing—Guy Tyler, 1502 Cedar St., Berkeley.
Plumbing — Suendermann Plumbing Co., 921 University Ave., Berkeley.
Lumber and Mill Work—Hogan Lumber Co., Second and Alice Streets, Oakland.

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $6011
PIEDMONT, Alameda Co., Cal. Piedmont Pines, Ascot Drive.
Two-story and basement frame and stucco residence (7 rooms and 2 baths), French style.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Eugene S. Campomenosi, 6401 Broadway Terrace, Oakland.
Plumbing—Carl T. Doell, 467 21st St., Oakland.
Plastering—A. Cardoni, 5244 Lawton Ave., Oakland.
Millwork, Sash and Doors — Pacific Mfg. Co., 1315 7th St., Oakland.
Steel Sash—East Bay Glass Co., 621 Sixth St., Oakland.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.

Sub-Bids Wanted.
RESIDENCE Cost, $9000
OAKLAND, Alameda Co., Cal. No. 21 Agnes Street.
Two-story frame and stucco residence (7 rooms).
Owner—Karl J. Weber, 1737 34th Ave., Oakland.
Architect—Not Given.
Contractor—Harry W. Arnold, 816 Oak St., San Francisco.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Sub-bids wanted on all portions of the work.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. No. 450 Fifty-seventh Street.
One-story and basement frame and stucco residence (6 rooms).
Owner—W. Brandi, 441 51st St., Oakland.
Architect—Not Given.
Contractor—John Cisero, 474 42nd St., Oakland.
Roofing—Interlocking Tile Co., Niles.
Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.
Sub-bids are wanted on concrete, plastering, painting, mill work, etc.

Contract Awarded
RESIDENCE Cost, $7000
BAKERSFIELD, Kern Co., Calif. 2328 Cedar Street.
Two-story frame and stucco residence (Spanish type) tile roof, tiled baths hardwood floors, etc.
Owner—Philo Jewett.
Architect—Not Given.
Contractor—Adolph Hanson, 2328 19th St., Bakersfield.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. No. 801 Cragmont Avenue.
Two-story and basement frame and stucco residence (9 rooms).
Owner — Eleva Erickson, 2229 Vine St., Oakland.
Architect—Not Given.
Contractor—C. A. Krause, 3146 Lynde St., Oakland.
Painting—Arthur Brazier, 55 Lenox Road, Oakland.
Heating—J. C. Owens Sheet Metal Works, 1612 Carlton St., Oakland.
Electric—Summers Electric Shop, 1611 Edith St., Oakland.
Plastering—J. P. Milligan, 935 Regal Road, Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. 940 Delaware Street.
One-story frame and stucco residence (10 rooms).
Owner—E. Lakso, 934 Delaware Street, Berkeley.
Architect—Not Given.
Contractor—G. Johanson, 1357 Northraid Ave., Berkeley.
Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.
Millwork—Ames Planing Mill, 1340 Channing Way, Berkeley.
Sheet Metal & Heating—Walter Mork, San Pablo and Hearst, Berkeley.
Electric—Summers Electric Shop, 1611 Edith St., Berkeley.
Concrete—John Kultala, 2119 Byron St., Berkeley.
Plumbing—Edward Leobs, 1116 Parker St., Berkeley.

Sub-Contracts Awarded.
ALTERATIONS Cost, $2895
PIEDMONT, Alameda Co., Cal. No. 63 Lincoln Avenue.
Alterations and additions to residence
Owner—C. H. Wilcox, Premises.
Architect—W. E. Milwain, 1503 Oakland Ave., Piedmont.
Contractar—A. T. Beckett, 224 Scenic Ave., Piedmont.
Plastering—Carl Spiken, 2315 Ninth Ave., Oakland.
Electric—T. L. Rosenberg, 411 Webster St., Oakland.
Sash and Doors—Lannom Bros., 5th and Magnolia Sts., Oakland.
Painting—Blomgren Bros., 1927 Russell St., Berkeley.
As previously reported, cement contract awarded to Nat Lena, 1174 19th St., Oakland.

15— SCHOOLS

Bids Wanted—To Close May 2, 2:30 P. M.
REPAIR SCHOOL Cost, $15,000
SAN FRANCISCO. SE Bayview and Flora Streets.
Repairs to Bayview School building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St.
Work includes removal of old plaster, brick, broken concrete; bracing to support ground for all excavation work concrete work, excavation, filling and grading; reinforcing steel; structural steel; Portland cement; installation of reinforced gunite or reinforced cement mortar; brick chimney reconstruction; lathing and plastering; carpentry; framing; rough woodwork; hardware; interior plastering; plumbing repairs; painting and decorating; glass and glazing.
Plans and specifications available from C. H. Sawyer, Dept. of Architecture, City Hall, upon deposit of $20. A fine of $25 per day for each day work is uncompleted after specified time. Bond of $3750 required.

PREPARING WORKING DRAWINGS
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms, and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.

BOND ELECTION
DRY CREEK, Cal.—Dry Creek Joint Elementary School District, will hold an election on May 15, at which time bonds in the amount of $7500 will be

voted to finance construction of a new school for the District in the counties of Placer and Sacramento. Alice B. Lewis, Stephen T. Riolo Jr. and T. A. Crowder, Trustees of the District.

Prospective Bidders.

SCHOOL Cost, $15,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (6 classrooms) tile roof, steam heating system, wood floors, etc.
Owner—Woodbridge Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Following have procured plans. Bids open May 7, 2 P. M.;
H. H. Henning, 1751 Berkeley Ave., Stockton.
Azevedo & Sarmento, 920 O St., Sacramento.
Betz & Yoho, 1017 43rd St., Sacramento.
Campbell Construction Co., 800 R St. Sacramento.
Charles Unger, 4532 T St., Sacramento.
Swanson & Chance, Turlock.
L. Ubels, Ripon.
John Hackman, Borden Highway, Stockton.
J. J. Cavanagh, 219 N-Sutter St., Stockton.
H. W. Robertson, 3004 F St., Sacramento.
Plans and specifications available from the architect upon deposit of $15.00.

Bonds Voted.

SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Cal.
One-story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Bonds in the amount of $6000 were voted on April 20. $15,000 is available in the treasury. Plans are being prepared and bids will be asked at a later date.

Sub-Contracts Awarded.

REPAIR SCHOOL Cont. Price, $26,843
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.
Contractor — M. E. Vukicevich, 666 Mission St., San Francisco.
Ornamental Iron—Patterson & Koster Iron Works, 280 13th St.
Structural Steel—Schrader Iron Wks., 1247 Harrison St.
Plastering—A. W. Cordes, 666 Mission Street.
Brick Work—White & Gloor, Monadnock Bldg., San Francisco.
Electric—Atlas Electric Co., 343 4th Street.

Bids Wanted—To Close May 7, 7:30 P. M.

ADDITION Cost, $35,000
REDMOND, Washington.
Two-story and basement brick addition to Redmond School.
Owner—School District No. 208, King County, Wash.
Architect—Wm. Mallis, Lyon Building, Seattle.
Plans and specifications available from Rex C. Swan, Clerk, upon deposit of $10.00. Bids are being taken on a general contract with separate bids for heating and plumbing.

Bids Wanted—To Close May 15, 2 P.M.

COLLEGE BLDG. Cost, $210,000
PULLMAN, Washington. State College Campus.
Four-story reinforced concrete chemistry building (45 classrooms, laboratories, offices, etc.) brick and tile exterior walls, tile interior partitions, etc.
Owner—State of Washington.
Architect—Stanley A. Smith, State College, Pullman.
Plans and specifications available until May 9 from architect upon deposit of $25.00 for general plans and $15.00 for mechanical plans.

Preparing Working Drawings

REPAIR SCHOOL Cost, $48,500
SAN FRANCISCO. Excelsior Ave. at London Street.
Repairs and reconstruction of Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Plans will be completed in three or four weeks.

BIDS WANTED

CARPINTERIA, Santa Barbara Co. Cal.—Until 1 P. M., May 1, new bids will be received by the Carpinteria Union School District for the construction of a school building on the new Aliso site in Carpinteria. Bids will be received separately on segregated portions of the work as follows: (1) roofing; (5) plumbing and heating; (6) sheet metal work; (8) finish hardware, including metal partitions. Certified or cashier's check or bond in the sum of 10% must accompany each bid. A limited number of plans are available at the office of Architect E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, from whom they may be obtained upon deposit of $5 for each set. John B. Hudson, Clerk of the Board. The building will be a one-story, wood frame structure containing four classrooms; stucco exterior, tile roof, wood partitions, metal lath, O. P. trim, maple and cement floors, gas-steam radiators, etc. Estimated cost, $18,000. The foundation work and carpentry is being handled by CWA forces. Previous bids received March 26 for the roofing, plumbing and heating, sheet metal work and finish hardware, were rejected. Bids for millwork, lathing and plastering, and painting are held for further consideration with a request that the low bidders grant an extension of time for awarding contracts. Seaside Electric Co., 1800 Thompson Blvd., Ventura, was awarded the electric wiring, including radio wiring and program clock at $1043.

PREPARING PLANS

BELLFLOWER, Los Angeles Co., Cal.—The State Board of Public Bldg. Reconstruction has approved the architectural contract of Architects W. H. Austin and Harold C. Wildman, 219 Spurgin Bldg., Santa Ana, and the Bellflower School District, for reconstructing the Los Flores, Flores, Lincoln and Washington schools. All brick walls will be removed and rebuilt of frame and stucco. Cost is $60,000. The working drawings are under way.

BOND ELECTION PLANNED

BURBANK, Los Angeles Co., Cal.—Burbank Board of Education will call an election, to be held early in June, for the purpose of submitting a $200,000 school repair bond issue to the voters. The city bond issue defeated on April 3 was to have provided funds for the purchase of Edison School buildings and grounds, the board of education using the money for reconstructing elementary schools. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

Construction Started.

GYMNASIUM Cont. Price, $58,900
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced conc. and brick veneer gymnasium (171x235 ft.); reinforced concrete walls (separate gymnasium for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Sub-bids are in and will be awarded within one week.
Bids on heating plant, brick veneering and gymnasium floor equipment will be asked at a later date.

BIDS WANTED

CHICO, Butte Co., Cal.—Until May 1, 5 P. M., bids will be received by Agnes Preising, secretary, Chico High School District, Box 508, Chico, for general school supplies, art supplies, janitors' supplies, materials for manual training shops, physical education department and for laboratory supplies. Specifications available from above office. 5

Contract Awarded.

REPAIR SCHOOL Cost, $180
BERKELEY, Alameda Co., Cal. Oxford and Eunice Streets.
Repairs to Oxford School (remove tile coping and cover with mineral surface roofing).
Owner—City of Berkeley School Dist.
Architect—Not Given.
Contractor—Bay Cities Asbestos Co., Ltd., 188 Tenth St., Oakland.

To Be Done By Day's Work.

REPAIR SCHOOL Cost, $810
BERKELEY, Alameda Co., Cal. No. 1200 University Avenue.
Repairs to Burhank School shop bldg (installation of exit doors, stairways, reconstruct stock platform, replace conduit and rearrange lights, etc.)
Owner—City of Berkeley School Dist.
Architect—Not Given.
Work will be done by day's labor by owner's maintenance department.

Additional Sub-Contracts Awarded

DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two - story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park, San Francisco.
Cement—Urban Bros. and Peninsula Building Materials Co., Palo Alto.
Rock—Rhodes & Robinson, Palo Alto.
Other awards previously reported.

Completing Plans.

SCHOOL IMP. Cost, $120,000
SAN MATEO COUNTY, Cal.
Alterations and additions to school buildings in San Mateo and Burlingame.
Owner — San Mateo Junior College District.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Following schools will be improved:
San Mateo High School.
Burlingame High School.
San Mateo Applied Arts Building.
Plans will be completed and forwarded to Sacramento for approval in about three weeks.

Plans Being Completed.

SCHOOLS Cost, $80,000
ROSEVILLE, Placer Co., Cal.
Construct new elementary school and

alterations and additions to two elementary school buildings.
Owner — Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Bonds in the amount of $80,000 were sold to R. H. Moulton Co. of San Francisco.

Sub-Contracts Awarded.
REPAIR SCHOOL Cont. Price, $12,750
SAN FRANCISCO. Filbert Street bet. Jones and Taylor Sts.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor — Harry J. Oser, Hobart Bldg., San Francisco.
Gunite—Cement Gun Constr. Co., 85 Second St., San Francisco.
Structural Steel—Fair Mfg. Co., Monadnock Bldg., San Francisco.

BOND ELECTION
DUNNIGAN, Yolo Co., Cal.—Dunnigan School District will hold an election on May 10, at which time, bonds in the amount of $9000 will be voted to finance construction of a new school building in Dunnigan.

Plans Being Completed.
REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Plans will be completed and forwarded to Sacramento for approval in about two weeks.

LOW BIDDERS
LOGAN, Utah.—Cherdon Const. Co., Salt Lake City, at $228,000 submitted low bid to State Building Commission April 13 for the construction of the Home Economics Bldg. at Logan.
Plumbing and Heating—Palmer Co., Logan, approximate bid, $44,000.
Electrical Work—Cache Valley Elec. Co., $29,856.
All bids held under advisement.

BONDS VOTED
SHAFTER, Kern Co., Calif.—Richland School District voters affirmed a bond issue of $62,000 at an election April 17, the proceeds to be used with a Federal grant of $18,500 to finance construction of a school building in Shafter. It will be a reinforced concrete structure containing 12 classrooms. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, architect.

BOND ELECTION
DELANO, Kern Co., Cal.—Trustees of Delano Union School District, Delano, have called a special election for May 7 at which a proposal to issue bonds in the amount of $46,000 for construction of Delano Grammar Schol will be voted on. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, is the architect.

Plans Completed
ADDITION Cost, $35,000
BAKERSFIELD, Kern Co., Calif.
Two-classroom additions to Longfellow, Jefferson & Roosevelt schools.
Owner—Bakersfield City School Dist.
Architect—Chas. H. Biggar and Edwin J. Symmes, Haberfelde Building, Bakersfield.
Plans have been approved by school directors and will be submitted to the State Division of Architecture before calling for bids.

Los Angeles County Public Works Administration has allotted approximately $2,500,000 for construction projects in Southern California, the funds having been made available through the rescinding of prior allottments for the Los Angeles county office building, Olive View Sanatorium and Fish Harbor. Thirty-five of the projects, involving $1,340,000, provide for rebuilding of school in Los Angeles, Pasadena, Long Beach and several other districts. The new allocations include the following school projects:

Long Beach (loans and grants) — Palytechnic high school, $90,000; Atlantic avenue school, $47,700; Seaside school, $23,000; Long Beach Junior College, $57,000; Lafayette school, $40,000; Burnett school, $45,000; David Starr Jordan school, $119,000; Starr King school, $18,000.

Little Lake Elementary School District, grant of $5800; Montebello School District, grant of $6200; Beverly Hills School District, grant of $32,000.

In addition to the allocations for school improvements, other building projects for which grants were made, both to Los Angeles County, are Rancho Los Amigos infirmary buildings, $39,100, and Lancaster branch library, $2600.

Pasadena (grants)—Altadena school, $30,000; Jefferson school, $30,000; Garfield school, $32,500; Grover Cleveland school, $15,000; Madison school, $30,000; Burbank school, $300; Edison school, $300; Hamilton school, $600; Frances E. Willard school, $300; Washington school, $27,600; Webster school, $3500; Jackson school, $31,700; San Rafael school, $3800; Muir Technical high school, $23,000; McKinley school, $5800; Linda Vista school, $300; Longfellow school, $30,000; Lincoln school, $17,000.

Los Angeles (grants)—Cabrillo Avenue school, $14,800; Brentwood school, $9000; State Ssteet school, $25,600; George Washington high school, $90,200.

BOND ELECTION
ANAHEIM, Orange Co., Cal.—Anaheim Union High School District has called an election to be held May 15 at which time it is proposed to vote bonds in the sum of $275,000 to finance the construction of a permanent high school building to replace temporary quarters now in use. The proposed building will contain a library, auditorium to seat 1600 persons, study hall, administration offices and 16 classrooms. A similar proposal was defeated at an election held last December 16. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects.

PREPARING PLANS
LOS ANGELES, Cal.—Ralph D. De Line, structural engineer, 1144 South Grand Ave., commissioned by the Los Angeles board of education to prepare working drawings and specifications, including preliminary drawings, analyses, structural design computations and estimates of cost, for the work of reconstructing, strengthening and rehabilitating the Bridge Street school, 605 N. Boyle Ave. The work will include the east building, central portion and north wing. Cost, $55,440.

PLANS APFROVED
LONG BEACH, Calif.—Long Beach board of education has tentatively approved plans for all buildings at the Polytechnic high school so that plans can be checked by the state architectural division. Final design of the buildings has not been approved. The group will include commercial art, cafeteria, gymnasium, shops, administration, auditorium, boiler house, swimming pool and cover ways. Construction will probably be structural steel frame with concrete and plaster walls. Hugh R. Davies, 430 E. Ocean Ave., Long Beach, architect.

PLANS APPROVED
LONG BEACH, Calif.—Long Beach board of education has approved plans for rebuilding the Starr King school for the purpose of submitting them to the state division of architecture for approval. K. Webb, 1239 E. 10th St., Long Beach, architect. Construction will be wood frame with stucco exterior, maple floor, composition roofing, steam heating, etc.

COMMISSIONED TO PREPARE PLANS
LOS ANGELES, Cal.—Ellis W. Taylor, structural engineer, 802 W. 3rd St., commissioned by the Los Angeles board of education to prepare working drawings and specifications ,including preliminary drawings analyses, structural design computations and estimates of cost, for the work of reconstructing, rehabilitating and strengthening the main brick building at the Glassell Park school, 2211 W. Avenue 30. Cost, $50,400.

PREPARING PLANS
LONG BEACH, Calif.—Architect W. H. Austin, 532 Chestnut Avenue, Long Beach, is preparing plans for the new Washington junior high school for the Long Beach borad of education. The group will probably include administration, science and gymnasium buildings. Preliminary plans have been approved for the administration building and working drawings started. Construction will be reinforced concrete. Cost, $300,000.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architects Henry Carlton Newton and Robert Dennis Murray, 502 Architects' Bldg., to prepare plans and specifications for a new 8-unit building to be built at the Lankershim School site, 5250 Bakman St., North Hollywood. Cost, $53,760.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architect Charles M. Hutchison, 1132 Central Bldg., to prepare plans and specifications for a new 12½-unit school building to be built at the Normandie Avenue School site, 4416 S. Normandie Ave. Cost, $84,000.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architects Allison & Allison, 2014 Edison Bldg., to prepare plans and specifications for a new 24-unit building to be erected at the Van Nuys High School site, 6535 Cedros Avenue, Van Nuys. Cost, $161,280.

Contract Awarded
REPAIR SCHOOL Cont. Price, $36,446
SAN FRANCISCO. Jackson Street bet. Hyde and Larkin Streets.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery Street.
Contractor—O. Monson, 475 6th St.
Following bids received:

O. Monson	$36,446
H. L. Petersen	39,800
J. Harold Johnson	39,954
DeLuca & Son, Inc.	40,329
C. L. Wold	42,326
Anderson & Ringrose	43,942

Bids Wanted—To Close May 16, 2:30 P. M.
REPAIR SCHOOL Cost, $35,850
SAN FRANCISCO.
Repair and reconstruction of Adams Elementary School.
Owner—City and County of San Francisco

Engineer—E. L. Cope, 111 Sutter St.
Work includes shoring and bracing, excavation, filling and grading, concrete, metal reinforcement, cement, concrete aggregates, cement topping, gunite, structural steel, painting, brick masonry and terra cotta, brick work, lathing, carpentry, hardware, fire door, wood hand rails, blackboards, exterior and interior plastering, cement base and wainscot cap.
Plans and specifications available from C H. Sawyer, Bureau of Architecture, City Hall, upon deposit of $10. Penalty of $25 per day for each day work is not completed after specified time.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architect Gilbert Stanley Underwood & Co., Ltd., 408 S. Spring St., to prepare plans and specifications for a new 12-unit school building to be built at the Van Nuys Elementary School site, 6464 Sylmar St., Van Nuys. Cost, $80,640.

TO PREPARE PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architect Sumner P. Hunt, 701 Laughlin Bldg., to prepare plans and specifications for a new 24-unit building to be built at the David Starr Jordan High School site, 2265 E. 103rd St. Cost, $161,280.

Bid Opening Date Postponed Until May 16, 2:30 P. M.
REPAIR SCHOOL Cost, $100,000
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, Architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Plans and specifications available from C. H. Sawyer, Architectural Department, City Hall, upon deposit of $50.00.
A $50.00 penalty per day for each day work is not completed after specified time.

BONDS VOTED
SCHOOL Cost, $——
FOREST RANCH, Butte Co., Cal.
One-story frame and stucco school building, rustic exterior, composition shingle roof, stucco interior, etc.) three classrooms.
Owner—Forest Ranch School District.
Architect—Chester Cole, Chico.
Bonds in the amount of $3000 were voted April 21.

Plans Being Figured—Bids Close April 30, 8 P. M.
MANUAL ARTS BLDG. Cost, $10,000
DALY CITY, San Mateo Co., Calif.
One - story frame and stucco manual arts building for Woodrow Wilson Grammar School (composition roof wood floors, etc.) 3 classrooms.
Owner—Daly City Grammar School Dist., W. J. Sweeney, clerk.
Architect—Albert Roller, Crocker 1st National Bank Bldg., San Francisco.
Plans and specifications are available from Mr. Sweeney upon deposit of $10.00.

TO PREPARE PLANS
LOS ANGELES, Cal.—Murray Erick, structural engineer, 811 W. 7th St., commissioned by Los Angeles Board of Education to prepare working drawings and specifications, including preliminary drawings, analyses, structural design and computations and estimates of cost, for the work of reconstructing, rehabilitating and strengthening the main building at Thomas A. Edison Junior High School, 6500 Hooper Ave. Cost, $118,272.

TO PREPARE PLANS
LOS ANGELES, Cal.—Geo. J. Fosdyke, structural engineer, 112 N. Main St., commissioned by Los Angeles Board of Education to prepare working drawings, including preliminary plans, analyses, structural design compution and estimates of cost, for reconstructing, rehabilitating and strengthening the following buildings at the San Fernando Elementary School site, Mission Blvd. and Mott St., San Fernando: North wing of main building, south wing of main building and home economics and manual training building. Cost, $59,360.

TO PREPARE PLANS
LOS ANGELES, Cal.—S. B. Barnes, structural engineer, 803 W. Third St., commissioned by Los Angeles Board of Education to prepare working drawings and specifications, including preliminary drawings, anaylses, structural design computation and estimates of cost, for the work of reconstructing, rehabilitating and strengthening the main building at the Orange Street School, corner of Eshelman Ave. and Orange St., Lomita. Cost, $42,336.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTER STORE Cost, $2343
FRESNO, Fresno Co., Cal. No. 1018 Broadway.
Owner—Angela Lamkin and Louis J. Coel.
Architect—Not Given.
Contractor — Joe La Forti and E. J. Heffner, 252 N-Broadway, Fresno.

Contract Awarded.
OFFICES Cost, $7000
MODESTO, Stanislaus Co., Cal. H St., bet. 6th and 7th Sts.
One- or two-story concrete or brick store and office building (composition roof, etc.)
Owner—J. Oyen, Modesto.
Architect — G. N. Hilburn, 1213 I St., Modesto.
Contractor—F. T. Arnold, 208 Elmwood St., Modesto.

Plans Being Revised.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Calif. NW Broad and Pine Streets.
One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.
Owner — Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Bids will be asked in about two weeks.

To Be Done By Day's Work
ALTER BLDG. Cost, $——
SAN FRANCISCO. 25 Oak Street.
Alterations to auto sales building for offices.
Owner — State Emergency Relief Administration.
Plans by Engineering Dept. of Owner
Work will be done by day's labor under the SERA.

Preparing Working Drawings
CAFE Cost, $75,000
SAN FRANCISCO. Merrie Way, North Sutro Baths.
Two - story, basement and mezzanine floor cafe(frame and stucco construction, tile roof, hot air heating system, full kitchen equipment, bar, lounge, porches, foyer; dining room to have seating capacity of 750).
Owner—Hacienda del Mar, In.
Architect—S. Heiman, 605 Market St.

Planned.
IMPROVE STORE Cost, $——
CHICO, Butte Co., Cal. Second St.
Improvements to store building (glass front, interior changes, etc.)
Owner—Alfred Goldstein, Chico.
Architect—Not Given.
Lessee—J. C. Penney Company.

Contract Awarded.
ALTER STORE Cost, $5000
SAN FRANCISCO. No. 805-07 Market Street.
Alterations to store building.
Owner—Morris Benetar, 1175 Market St., San Francisco.
Architect—Not Given.
Contractor — Mullen Manufacturing Co., 60 Rausch St., San Francisco

Contract Awarded.
ALTER STORE Cost, $2000
SAN FRANCISCO. No. 2024 Mission Street.
Alterations to store building.
Owner—J. Clarke, 2024 Mission St., San Francisco.
Architect—Not Given.
Contractor — Mullen Manufacturing Co., 60 Rausch St., San Francisco.

Owner Taking New Bids
STORE Cost, $5500
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Virginia Street.
One-story frame and stucco store bldg. (2 stores; 50x80-feet) composition roofing, concrete floors, reinforced concrete front and sidewalls.
Owner—J. Grigsby, 2868 Le Conte Ave. Berkeley.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Plans Approved.
REMODEL BLDG. Cost, $——
BERKELEY, Alameda Co., Cal. No. 1122 University Ave.
Remodel Brick Studio.
Owner—Dr. C. Bennett.
Engineer—J. H. Piatt, 354 Hobart St., Oakland.

Plans Being Completed
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.)
Owner — Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Bids will be asked in one week.

Planned
MARKET, ETC. Cost, $——
EXETER, Tulare Co., Cal. East Pine Street.
Drive-in market and service station.
Owner—G. R. Posey, Sequoia Hotel, Exeter.
Architect—Not Given.

PREPARING PLANS
GLENDALE, Los Angeles Co., Cal. —O. J. Bruer, 204 S Fremont St., Los Angeles, is preparing plans for a two-story, brick medical-dental building to be built in Glendale for a client. The building will be 53x66 ft. in area, containing six suites of five rooms each; full tile roofing, steel sash, composition, concrete, wood and linoleum-covered floors, basement, etc.

CONTRACT AWARDED
LOS ANGELES, Cal.—May & Grimwood, 520 E 8th St., awarded contract for remodeling a 3-story, reinforced concrete building at 35th and Hope Sts. for Ralph B. Lloyd; California

Motor Vehicle Division, lessee. C. Beelman, architect, 1019 Union Bank Bldg. The work will consist of removing existing partitions and the installation of new hollow tile and plaster partitions, plumbing, electrical work, steel sash, metal doors, metal toilet partitions, automatic sprinkler system, masonry work, etc. Lessee will install office fixtures.

Contract Awarded.
ADDITION Cont. Price, $14 444
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and T Streets.
Two two-story brick wing additions to present laboratory building (concrete foundations, concrete floors, brick walls, composition roofing, steel sash and alterations to the present structure (Fort Highway Department).
Owner—State of California.
Architect—Geo. B. McDoegall (State Architect) Public Works Building. Sacramento.
Contractor—William C. Keating, 1121 24th St., Sacramento.
Electric—Luppen & Hawley, 3126 J St., Sacramento, at $1025.

Contract Awarded.
STORE IMPROVEMENT $20,000
SAN FRANCISCO, No. 807 Market St.
Alterations and additions to store (add new mezzanine floors, beauty shop, soda fountain, barrel wine department, new offices, new front, etc.)
Owner—Morris Benatar, Premises.
Private Plans.
Contractor—Mullen Manufacturing Co. 60 Rausch St., San Francisco.

Bids Rejected
OFFICES Cost, $10,000
PETALUMA, Sonoma Co., Cal. Fourth and D Streets (50x100 ft.)
One - story frame and stucco office building, built - up roof, gas furnace, medical and dental equipment, etc.
Owner—Dr. Mark L. Lewis and Dr. Max Kameny, 41 Main St., Petaluma.
Architect—Brainerd Jones, 226 Washington St., Petaluma.
Low Bidder—Walter Singleton, Petaluma.
Following bids received and rejected.
Walter Singleton $10,012.50
J. H. Frahm..... 10,120.06
Vogensen Construction Co..... 10,390.54

April 24, 1934

Plans Being Prepared.
LOFT BLDG. Cost, $100,000
SAN FRANCISCO. Market Street.
Three-story reinforced concrete loft building.
Owner—Withheld.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

PLANNED
MODOC COUNTY, Cal.—County of Modoc is planning to file an application with the PWA for a grant in the amount of $50,000 to finance construction of an Agricultural building to house various departments.

Contract Awarded.
OFFICES Cost, $35,000
FRESNO, Fresno Co., Cal. Hamilton and East Avenues.
Two-story brick and stucco office building.
Owner—Sun Maid Raisin Growers Association, Hamilton Ave., Fresno.
Architect — H. Rafael Lake, Pacific Southwest Bldg., Fresno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.

Plans Being Prepared
OFFICE BLDG. Cost, $40,000
STOCKTON, San Joaquin Co., Calif. NE Center and Rose Streets.
Construct Highway Office Building.
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Bids will be asked in about 30 days.

Sub-Contracts Awarded.
ALTER STORE Cost, $4000
TRACY, San Joaquin Co., Cal. Central Ave. N Ninth St.
Alterations to store building.
Owner—Urban Properties, 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, Monadnock Bldg., San Francisco
Contractor—Clinton-Stephensoon Construction Co., 550 Montgomery St. San Francisco.
Plastering—Axup Bros., Tracy.
Plumbing—G. E. Greenwood, Tracy.
Concrete—Wm. Cohrs, Tracy.
Electric—Tracy Electric Co., Tracy.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Mill Work—Minton Co., Mt. View.
Tile—Sunset Tile Co., 2219 Irving St., San Francisco.
Lumber—Tracy Lumber Co., Tracy.

To Be Done By Day's Work
ALTER STORE Cost, $4000
SAN FRANCISCO. 123 Post Street.
Alterations to store building.
Owner—Mrs. I. G. Alborough, 621 Stockton Street.
Engineer—Fred. Whitton, 369 Pine St.

Contract Awarded
DINING ROOM Cont. Price, $1,738
CAZADERO, Sonoma Co., Calif.
Frame dining room (rustic exterior, pine interior).
Owner—City of Berkeley.
Plans by Building Dept. of City of Berkeley.
Contractor—Frank A. Stead, 2326 Edwards St., Berkeley.
Following bids received:
Frank A. Stead, Berkeley.....$1,738
B. McElderry, Oakland..... 1,995
John M. Bartlett, Oakland..... 2,179
Young & Horstmeyer, S. F..... 2,200
S. O. Macdonald, Oakland..... 2,225
David Nordstrom, Oakland..... 2,230
Emil Person, Berkeley..... 2,293
A. Soda & Son, Oakland..... 2,341
F. J. Reilly, San Francisco..... 2,431

Contract Re-Awarded
BRANCH BANK Cost, $25,000
SAN FRANCISCO. NW Fillmore and Chestnut Streets.
Branch bank building (tile work, marquise, marble floors, bronze work, plate glass, steel doors, vaults, etc.
Owner—Anglo California National Bank.
Architect—S. Heiman, 605 Market St.
Contractor—Jacks and Irvine, 74 New Montgomery Street.
Contract was previously awarded to Lindgren & Swinerton, Inc.

To Be Done By Day's Work.
ALTERATIONS Cost, $4000
SAN FRANCISCO. 147-157 Valencia.
Alterations to stores and apartments.
Owner & Builder—C. C. Hornung, 295 Fell Street.
Plans by Owner.

Contract Awarded
MARKET Cost, $3,000
SAN FRANCISCO. 1812 Polk Street.
Alterations to market.
Owner—A. Pucinelli, 1670 Chestnut St.
Architect—Not Given.
Contractor—G. Moriconi, 1670 Chestnut Street.

Electrical Contract Awarded
ADDITION Cost. $25,000
SACRAMENTO, Sacramento Co., Cal. Thirty-fourth and T Streets.
Two two-story brick wing additions to present laboratory building (concrete foundations, concrete floors, brick walls, composition roofing, steel sash and alterations to the present structure (Fort Highway Department).
Owner—State of California.
Architect—Geo. B. McDougall (State Architect) Public Works Building, Sacramento.
Electric—Luppen & Hawley, 3126 J St., Sacramento, awarded contract at $1,025.
As previously reported, William C. Keating, 1121 24th St., Sacramento, at $14.444 submitted low bid on the general contract.

Contract Awarded
ALTER STORE Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 740 W. San Carlos Street.
Alterations to store building.
Owner—Angelo Bozzi, Premises.
Architect—Not Given.
Contractor—George Kelly, 648 Almaden Ave., San Jose.

Contract Awarded.
ALTER BLDG. Cost, $15,000
OAKLAND, Alameda Co., Cal. No. 1560 Broadway.
Alterations to First National Bank Building (remodel exterior, new terra cotta front, etc.)
Owner — First National Bank, 1560 Broadway, Oakland.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Contractor — David Nordstrom, 415$ Emerald St., Oakland.

Plans Being Prepared.
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations to eight-story store and office building.
Owner—Federal Land Bank (Williard D. Ellis, General Agent).
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Agent—Lionel Wachs Real Estate Co., Bank of America Bldg., Oakland.

BIDS OPENED
SAN FRANCISCO—Western Asbestos Magnesia Co., 675 Townsend St., and the Asbestos Co. of California, 475 Stevenson St., at $287 submitted identical bids to the Department of Public Works for steam pipe covering in basement under first floor of the Francisco School on which canvas has been damaged and which shall be covered with 50-lb. asbestos roofing felt wired on with copper wire on six inch centers, approximately 1550 lineal feet.

17— THEATRES

Planned.
ALTER THEATRE Cost, $——
MODESTO, Stanislaus Co., Cal. No. 719 Tenth Street.
Alter Lyric Theatre.
Owner—Princess and Modesto Theatres Syndicate (Morgan Walsh, Vice President).
Architect—Not Given.

COMPLETING PLANS
MODESTO, Stanislaus Co., Cal.—Architect S. Charles Lee, 2404 W. 7th St., Los Angeles, is completing working plans for a theatre and store building to be built in Modesto for a San Francisco Company. It will be a stadium type structure, seating 900 people, and will contain two stores. Construction will be reinforced concrete, wood roof trusses, composition roofing, pine and concrete floors, plate glass, tile toilets, ventilating system, marquise, tile and marble bulkheads, etc. Bids will be taken from Modesto. Cost, $50,000.

18—WHARVES & DOCKS

To Be Done By Day's Work.
RAMP Cost, $500
OAKLAND, Alameda Co., Cal. Foot of Washington Street.
Construct ramp for motor boats.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Work will be done by day's labor under the supervision of the owner.

BIDS WANTED
SEATTLE, Wash. — Until April 20, 10 A. M., bids will be received by Horace P. Chapman, Secretary, Port of Seattle, for a freight elevator and an ice conveyor at the Port of Seattle. Specifications available at Room 406, Bell Street Terminal, Seattle.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO.—Theodore Smith Machine Works, 139 Spear St., at $1,-230 awarded contract by Phelan Imp. Co. for repairs and renewals to a Worthington Duplex Compound direct acting steam pump in the elevator service, Phelan Bldg.

Planned.
RACE TRACK Cost, $190,000
OLYMPIA, Washington. Lacey Track Site.
Construct race track and clubhouse (grandstand to accommodate 15,-000).
Owner — Northwest Breeders' Assn., Inc. (H. M. Gillian, Vice-President and Manager), Tacoma.
Architect—Not Given.
H. E. King, President, Tacoma; F. E. King, Secretary, et al. Puyallup.

BIDS WANTED
PORTLAND, Oregon—Until May 1, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Oregon, under Bid No. 34-639, for building the furnaces for four boilers on the U. S. Dredge "Wahkiakum."
Plans and specifications obtainable from above office.

BIDS WANTED
SONOMA COUNTY, Cal.—Bids will be received by the Sonoma County Board of Supervisors until May 14, 12 M., to be opened at 2 P. M., for a franchise for the privilege of constructing and maintaining a telephone and telegraph system in the vicinity of Daniels and Junction School Districts, Healdsburg Township. John E. Cooper has filed an application with the Board for the franchise.

Preparing Working Drawings
COTTAGES, ETC. Cost, $40,000
LINK CITY, Florida.
Two 1-story frame cottages (2 rooms, 2 baths, porch, each) frame dining room with seating capacity of 200, large kitchen, full kitchen equipment, lavatories, serving pantries, living quarters, etc.; shingle roofs, rool screens, considerable tile work celotex, etc.
Owner—Commander F. K. O'Brien, U. S. Navy.
Architect—S. Heiman, 605 Market St., San Francisco.

Contract Awarded.
STABLE Cost, $——
WOODSIDE, San Mateo Co., Cal.
One-story frame stable (160x30 feet).
Owner—James F. Waters, Woodside.
Architect — Dodge Riedy, 821 Market St., San Francisco.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.

CONTRACT AWARDED
SACRAMENTO, Cal.—Estes Picture Co., Route 1, Box 5695, Sacramento, at approximately 1,500 awarded contract by Clauss & Krause, Inc., 1700 I St., Sacramento, owners, for construction of a cooler at 1700 I Street, Sacramento.

BIDS OPENED
LOS ANGELES, Calif.—Emsco Derrick & Equipment Co., 6811 S. Alameda St., Los Angeles, submitted low bid on all items April 18 to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 South Broadway, for structural steel switch racks. The bids were:
Emsco Derrick & Equip. Co., (1) $3,-320 (2) $7660 (3) $1520; all bids net.
McClintic-Marshall Co., (1) $3600 (2) $8000 (3) $1800; all bids net.
Pacific Iron & Steel Co., (1) $3895 (2) $8908 (3) $1855; all bids net.
Pennsylvania Iron and Steel Co., (1) $3905 (2) $7660 (3) $1520; ½ of 1% 30 days.
International Derrick & Equipment Co., (1) $4159.06 (2) $8351 (3) $1869.33; 1% 20 days. Spec. No. 1426.

CONTRACT AWARDED
SAN FRANCISCO.—E. A. Cornely, 1452 Bush St., at $7,057 awarded contract by Constructing Quartermaster, Fort Mason, for removal of twenty-two oil burners, furnishing and installation of twenty-two new oil burners at the Presidio, San Francisco. Complete bids published April 17.

Foundation Contract Awarded
GRAIN ELEVATOR, ETC. Cost, $——
OAKLAND, Alameda Co., Calf. Oakland Waterfront.
Construct 200,000 bushel capacity elevator (sprinkler system, piling, excavation, etc.)
Owner—Albers Bros. Milling Co., West end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Pile Foundations—Healy-Tibbitts Construction Co., 64 Pine Street, San Francisco.
As previously reported, piling excavation also awarded to Healy-Tibbitts.
Bids are being received on sprinkler system and bids for the construction of the grain elevator will be asked within a few days.

Prospective Bidders.
DINING ROOM, ETC. Cost, $——
ECHO LAKE, Eldorado Co., Cal.
One-story dining room and kitchen (pine construction).
Owner—City of Berkeley.
Plans by Building Dept., City of Berkeley.
Following have procured plans. Bids open May 1, 10 A. M.:
David Nordstrom, 4150 Emerald St., Oakland.
Frank A. Stead, 2326 Edwards St., Berkeley.
John Bartlett, 1706 Parker St., Berkeley.
B. McElherry, 1411 13th St., Oakland.
Plans and specifications available at the office of the Building Department upon deposit of $5.

PROSPECTIVE BIDDERS
PUGET SOUND, Wash.—Following have procured plans for remodeling two bridge cranes and transporting them from Charleston, West Va., to the Navy Yard, Puget Sound, Bremerton, Wash., under Specification 7590, for which bids will be opened by the Bureau of Yards and Docks, Washington, D. C., May 16:
Lakeside Bridge & Steel Co., 3200 W. Villard Ave., Milwaukee.
Westinghouse Electric & Mfg. Co., Washington.
Shaw Box Crane & Hoist Co., Muskegon, Michigan.
Dravo Contracting Co., Pittsburgh
Victor R. Browning Co., 1320-2 22nd St., Cleveland, Ohio.
R. W. Kaltenbach Corp., Bedford, Ohio.
General Electric Co., Schenectady, New York.

Work Under Way
RECREATION CENTER Cost, $20,000
MORGAN HILL, Santa Clara Co., Cal.
One-half mile south of town.
Recreation center (swimming pool, tennis court, gymnasium, wading pool, etc.) frame and stucco construction.
Owner—Group of residents (headed by H. A. Clark) Morgan Hill.
Plans by H. A. Clark, Morgan Hill.
Work is under way by day's work under the supervision of H. A. Clark.

CONTRACT AWARDED
SANTA BARBARA, Cal.—Davis Co., 317 N. Avenue 21, Los Angeles, has been awarded a contract for constructing a reinforced concrete tennis court in Santa Barbara for Clarence B. Mitchell. The work includes grading and excavating, chemical staining and fence.

Prospective Bidders
GRAIN ELEVATOR Cost, $85,000
OAKLAND, Alameda Co., Calif. Oakland Waterfront.
Seven-story reinforced concrete grain elevator (200,000 bushel capacity; 40x90 ft.) sprinkler system, piling, excavation, etc.
Owner—Albers Bros. Milling Co., west end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Fowell Engr. Co., Chicago.
Jones Hettlesater Const. Co., Mutual Bldg., Kansas City.
MacDonald & Kahn, Financial Center Bldg., San Francisco.
Dinwiddie Const. Co., Crocker Bldg., San Francisco.
Barrett & Hilp, 919 Harrison Street, San Francisco.
Young & Horstmeyer, 461 Market St. San Francisco.
Macdonald Engr. Co., 1 La Salle St., Chicago.
Bids will be received up to April 27, 2 P. M.

BIDS OPENED
SAN FRANCISCO—Following firms submitted identical bids at $46 to Department of Public Works for removal of wire gates at the Portola Junior High School Playgrounds:
Michel & Pfeffer Iron Works.
Anchor Post Fence Co.
Standard Fence Co.
Kamian Fence Co.
Trask & Squires bid $52.50 and C. J. Waterhouse bid $54.60.
Bids held under advisement.

LOW BIDDER
FORT PECK, Montana—O. B. Montgomery, Dallas, Texas, at $73,6'0 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., April 4, for construction of an electrical distribution system at the site of the proposed Fort Peck construction camp, approximately 25 miles southeast of Glasgow, Montana.
Commonwealth Elec. Co., St. Paul, Minnesota, at $91,283 submitted second low bid.

CONTRACT AWARDED
PHOENIX, Ariz.—Security Improvement Co.; E. F. Whittlesey, receiver, Pheonix, will install a $60,000 air cooling system in the Security Bldg., Central Ave and Van Buren St., Pheonix.

Planned
IMPROVEMENTS Cost, $100,000
SAN BRUNO, San Mateo Co., Calif.
Tanforan Race Track.
Improvements to race track.
Owner—Pacific Coast Breeders Assn. (J. W. Marchbank, director) Tanforan.
Architect—Not Given.
Proposed work is in a very preliminary stage.

BIDS WANTED
HAMILTON FIELD, Marin Co., Cal. —Until May 9, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of two auxiliary water storage tanks, 61x120 feet, at Hamilton Field. Plans and specifications available from above office upon deposit of $5.00.

CONTRACT AWARDED
SAN FRANCISCO.—Chicago Bridge and Iron Works, 116 New Montgomery St., at approximately $1,600 awarded contract by Western Cooperage Co., 1 14th St., for the construction of a reinforced concrete water tank at 1 14th Street.

BIDS WANTED
SEATTLE, Wash.—Until April 30, 10 A. M., bids will be received by the City of Seattle Port Commission for furnishing one freight elevator and one ice conveyor.
Specifications available at Room 406, Bell Street Terminal. Horace P. Chapman, Secretary.

TO ASK BIDS
BOULDER CANYON, Nevada—Bids will be asked shortly by the Bureau of Reclamation, Denver, Colo., for furnishing 11 electrically operated traveling cranes, 4 to 30 ton capacity; 2 jib cranes, 4-ton; 3 fixed hoists, 3 to 5-ton; 2 monorail hoists, 3-ton; all for the Boulder Power Plant. Spec. 571.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
BOULDER CANYON, Nev.—Riverside Cement Co., Southwestern Portland Cement Co., Monolith Portland Cement Co., and California Portland Cement Co., bidding jointly, awardded contract at $2,086,000 by the U. S. Bureau of Reclamation, Denver, Colo., for furnishing 1,500,000 bbls. Portland cement for the Boulder Canyon Projete under Spec. 566.
Complete bids published March 29.

BIDS OPENED
OAKLAND, Cal. — Following submitted bids to Oakland City Council for furnishing gasoline for the fiscal year. Bids all read, "current listed prices:"
Associated Oil Company.
Standard Oil Company.
Shell Oil Company.
Signal Oil Company.
Gilmore Oil Company.
Texas Company.
Union Oil Company.
General Petroleum Company.
Richfield Oil Company.
McMillan Company.
Bids will probably be rejected as under the National Oil Code, prices cannot be quoted for more than a ninety day period, and bid call was for the fiscal year.

BIDS OPENED
SAN FRANCISCO. — Following bids received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing five miles of alloy trolley wire for the Municipal Railway:
Bridgeport Brass Co., 1204 Hobart Bldg., $19.43 per 100 lbs., $12 allowance.
General Electric Supply Corp., 1201 Bryant St., $19.43 per 100 lbs.

CONTRACT AWARDED
BOULDER CANYON, Nev.—Truscon Steel Co., Buffalo, N. Y., at $324,010 awarded contract by the U. S. Bureau of Reclamation, Denver, for furnishing deformed steel reinforcement bars, structural or intermediate grade billet steel, under Bid No. 21-106-B, and 23,095-A, Boulder Canyon Project.

CONTRACT AWARDED
BOULDER CANYON, Nevada — Union Portland Cement Co. of Utah, awarded contract by the U. S. Bureau of Reclamation, Denver, Colo., for furnishing 100,000 bbls. of cement at $1.264 per bbl., total, $126,400. As previously reported, Riverside Cement Co., Southwestern Portland Cement Co., Monolith Portland Cement Co., and California Portland Cement Co., bidding jointly, awarded contract for furnishing 1,400,000 bbls. at $1.49 per bbl., total, $2,086,000.

CONTRACT AWARDED
LYON COUNTY, Nevada—Flanigan Warehouse Co., 408 Eureka St., Reno, Nevada, at $1045.29 submitted low bid and awarded contract by S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for furnishing a total of 506 lin. ft. of corrugated metal pipe culverts and 10 band couplings to be delivered f.o.b. Hudson, Lyon County, Nevada.
The other bids were:
California Corrugated Culvert Co., West Berkeley, Calif., $1069.36.
Wm. E. Newman & Sons Co., Ogden, Utah, $1105.17.

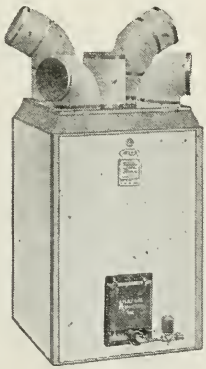
BIDS OPENED
OAKLAND, Calif. — The following identical bids submitted to City of Oakland Port Commission for furnishing 9,500 barrels of Portland cement to be used in the construction of Terminal Building "E", Rosenberg Warehouse, Outer Harbor, Oakland, at:
(1) paper bags $1.70
(2) cloth bags 1.90
(3) in bulk, per bbl. 1.40
$.10 allowance for each cloth bag returned.
Bids were submitted by the following: Melrose Bldg. Materials Co., Oakland; Rhodes & Jamieson, Ltd., Oakland; Transit Concrete, Ltd., Oakland; Henry Cowell Lime & Cement Co., Oakland.

MEDUSA Portland Cement PAINT

A permanent bond to concrete, brick and stucco . . . it is highly decorative . . it is dampproof . . . . it is economical.

GUNN, CARLE & CO.
20 Potrero Ave. UNderhill 5480 . San Francisco

Atlas Economy Gas Fuel Circulating System of Warm Air Heating



The ATLAS ECONOMY GAS CONVECTOR, the most important link in this circulating system, is as modern as tomorrow. Its square casing comes in a two-tone green, marking the age when a furnace can be as attractive and pleasing to the eye as it is efficient.

The Atlas Gas Convector is built of heavy gauge iron, all welded, with a bottom casing which eliminates the possibility of infiltration of dust or dirt.

The Atlas Economy Gas Furnace in all sizes has been approved by the American Gas Association and has met with all requirements of their laboratory tests, thus giving assurance that the furnace is properly designed and constructed for efficiency and safe operation.

Atlas Heating & Ventilating Co., Ltd.
Everything In Heating
557-567 Fourth Street - 1451 32nd Street
SAN FRANCISCO OAKLAND
Phone DOuglas 0377 Phone LAkeside 1266

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, U. S. Indian Service, 305 Federal Bldg., Albuquerque, N. M., for furnishing the following:

May 4 Lumber, several carloads, yellow pine, Douglas fir, or redwood.
May 7. Lot of metal toilet partitions and hardware.
May 10. Circulating heaters to burn coal.

Specifications obtainable from above office and a copy of the specifications is on file at 23 Appraisers Bldg., San Francisco.

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, U. S. Indian Service, 305, Federal Bldg., Albuquerque, New Mexico, for furnishing the following:

May 9, Plumbing fixtures and material, including pipe and fittings, boilers (range), sewer pipe (iron), laundry stoves and bathroom cabinets.
May 10, Wash fountains.

Specifications obtainable from above office.

PHOENIX, Ariz.—Bids will be received by the Superintendent of Construction, Phoenix Indian School, Phoenix, Arizona, until May 4 for furnishing the following bakery equipment: Flour bin, elevator and sifter for mixer of 1½ bbl. capacity; a flour hopper and water tempering tank on pedestal.

Specifications obtainable from above office.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until May 1, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, Capt. J. G Drinkwater, District Engineer, under Order No. 6319/2191, for the following:

(1) FENCING, galvanized, 32-in. wide 26 rolls (20 rod rolls).
(2) BARBED WIRE, main strands, 2, No. 12 wires, 2 point barbs of No. 14 wire, barbs 5-in. apart, all galvanized; 14 reels (80 rod reels).
(3) STAPLES, galvanized, fence wire, 1½-in. long, No. 9 wire; 100 lbs.
(4) POSTS, fence, split cedar or redwood, 7-ft. long, apprixomately 4-in by 5-in. in section; 250.

Specifications obtainable from above office.

SAN FRANCISCO—Until May 1, 10 A. M., bids will be received by Quartermaster Supply Officers, San Francisco General Depot, Fort Mason, for floor surfacing machine. Specifications call for 15-inch wide hollow sanding drum, approximately 725 revolutions per minute; approximately 33 lb. removable weight; 1½ horse power, 110 volt, alternating current electric motor

SAN FRANCISCO CITY

SAN FRANCISCO.—Until May 11, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 105, for the sale of miscellaneous supplies and equipment used on the Hetch Hetchy project including concrete mixers, cranes, compressors, carpenter shop equipment, boilers, anvils, automobiles dirt moving equipment, drill bars, drills, fire extinguishers, hoists, generators, gunite machines, pipe, transformers, pumps, presses, sand and gravel plant and equipment, saws, vises, spaders, various tanks, rail and fittings, presses, motors, milling machines, jacks, magnetic motor generators ,wood borers, angle bars, etc.

The above supplies and equipment may be inspected and will be deliverable to purchaser, at the following yards or camps of the Hetch Hetchy project: Alameda Creek, Livermore, Indian Creek, Valle Mocho, Mitchell and Thomas.

Specifications obtainable from above office.

BERKELEY CITY

BERKELEY, Alameda Co., Calif.—Until May 8, 10 A. M., bids will be received by the Berkeley City Council for furnishing emulsified road oil for the fiscal year for the City of Berkeley.

BERKELEY, Alameda Co., Calif.—Until May 1, 10 A. M., bids will be received by the Berkeley City Council for furnishing cement for the fiscal year for the City of Berkeley. *

FRESNO COUNTY

FRESNO, Cal.—Until May 9, 8 P. M., bids will be received by the Central Union High School Board for the purchase of two school buses. Bids will be taken on the buses complete and on chassis and bodies separately. Each bus is to accommodate 48 high school students. Specifications obtainable at the high school, Dickenson and McKinley Ave., Rt. 10, Box 178, Fresno.

FRESNO, Cal.—Until May 4, 11 A. M., bids will be received by J. S. McCain, County Purchasing Agent, for school supplies for the elementary schools and certain other schools of Fresno County for the fiscal year, 1934-1935. Supplies are for distribution to approximately 144 school districts in Fresno County. Specifications available from County Purchasing Agent, Court House, Fresno.

CANAL ZONE

PANAMA CANAL ZONE.—Until May 2, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2955, for furnishing miscellaneous supplies and equipment, including insulated cable, antennae wire, stove wire, flexible insulated cord, gasoline engine, propellers, blue-print coating machine, oil-testing set, high-tension suspension insulators, storage batteries, cartridge-type resistors, rigid-steel conduit, electric lighting fixtures, flashlights, tin-lead wire solder, assorted files, pipe dies, reamers, hand shovels, scythe blades, hacksaw blades ratchet braces, machetes, electric motor-driven grindstone, empty paint cans, pneumatic tires, inner tubes, tagboard and 2-ton automobile truck.

Plans and specifications obtainable from the above office and from the Assistant General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until May 4, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2956, for furnishing asphalt cement, liquid coal tar, sulphuric acid, acetone, caustic soda, ethyl alcohol, castor oil, pine tar oil, lard oil, copper paint, enamel, mercuric oxide, Indian red, yellow oche, chrome yellow bone black, volatile mineral spirits, lumber (Southern yellow pine, Douglas fir, and hemlock) screening strips, molding and creosoted Southern yellow pine piling.

Plans and specifications obtainable from the above office and from the Assistance General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment as follows:

FLOODLIGHT, landing field; San Diego. Sch. 2232-R; May 1.
GASOLINE, domestic aviation; West Coast. Sch. 2224; May 4.
MACHINES, electrically operated kitchen and cake and spares; 5 for Mare Island. Sch. 2284; May 8.
ZINC, slab, 50,000 lbs.; Mare Island. Sch. 2257; May 8.
REGULATORS, acetylene, hydrogen, oxygen; valves, discharge; gauges, air, steam and vacuum; Mare Island. Sch. 2271; May 8.
FUEL OIL, naval; fuel oil for Diesel engines; West Coast. Sch. 2242; May 18.

Specifications obtainable from above office. *

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, U. S. Indian Service, 305 Federal Bldg., Albuquerque, for furnishing materials as follows:

May 3—Approx. 8,000 lbs. nails.
May 4—Approx. 390 lin. ft. vitrified tile flue lining; 1800 fire brick and 1500 fire clay.
May 7—Approx. 712 gals. paint, 5000 sq. yds. insulation building board and 720 sq. yds. welded wire fabric
May 8—Approx. 1400 pieces window glass and 2250 lbs. putty, 13,500 metallic floor hardener.
May 9—2033 bbls. Portland cement.

Specifications obtainable from above and on file at 23 Appraisers' Bldg., San Francisco.

ALBUQUERQUE, N. M.—Until May 4, bids will be received by the Superintendent of Construction, U. S. Indian Service, 305 Federal Bldg., Albuquerque, N. M., for furnishing the following: 3000 sq. ft. copper flashing (16 oz.) best grade, in cold, rolled sheets; 61,000 sq. ft. strong 2-ply Kraft paper with asphalt membrane in center, to be used for curing cement topping.

Further information may be obtained from above office and a copy of the specifications is on file at 23 Appraisers Building, San Francisco.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

ARIZONA STATE—All Arizona Engineering & Construction Co., Clifton, Ariz., at $20,133.53 awarded contract by the Arizona State Highway Commision, Phoenix, April 14, for construction of one timber bridge and 0.8 mile of approach roadway on the Kingman-Boulder Dam Highway.

CONTRACT AWARDED

PACIFIC COUNTY, Wash.—D. Nygren, 410 Lyon Bldg., Seattle, at $46,-104 awarded contract by Washington Highway Department, April 17, for constructing a treated timber pile trestle with concrete deck over the Palix river on State Road No. 12, in Pacific County.

Other bids were: Bjork Bros. & Lind, Seattle, $46,990; Lloyd R. Crosby, Tacoma, $48,333.

CONTRACT AWARDED

THURSTON CO., Wash.—Neukirch & Munter, Seattle, at $9,738 awarded contract by Washington Highway Department, April 17, for constructing treated timber and steel girder and trestle 124-ft. long to carry the tracks of the Weyerhaeuser Lumber Co. logging railroad over the new route of State Road No. 1 between Olympia and Nisqually in Thurston County.

Other bids were: D. Nygren, Seattle, $9,814; Andrew McLean, Seattle, $10,-007.00.

PLANNED

SACRAMENTO CO., Calif.—County Executive Chas. W. Deterding, Jr., has recommended to the Board of Supervisors that bids be called for the construction of the Natomas trestle on lower Marysville road and an approach to the Fair Oaks bridge. Estimated cost, $22,000.

ESTIMATED COST

PASADENA, Cal.—S. V. Cortelyou, District Engineer, State Highway Department, Los Angeles, has estimated the cost of constructing a bridge parallel to the Colorado Street viaduct and for the repair of present structure at $275,000. The estimated cost of the new structure to provide three lanes of traffic in each direction and a center walk, is $225,000, while the works on each side $225,000. F. W. Panhorst of the state bridge division, believes that due to unforseen additional costs, the state should provide $275,000 which he recommends. The preliminary estimate of widening to provide a 30-ft. roadway on the existing structure and a 32-ft. roadway on the new structure, with a 10-ft. walk in the center, follows:

Excavation, $1,000;
Footing conc., $23,000; arch rib concrete, $30,800;
Struts, columns and walls, $49,300;
Slabs, stringers and caps, $27,200;
Curbs and walks, $8,000;
Reinforcing steel, $46,000;
New rail, $9,000;
Removal of old rail and walks, $3,000;
Lighting system, $6,000; 10% added, $20,330.
Total, $223,630.

On the possible widening of the bridge to 64 ft. with two 6-ft. walks and protective railings, the estimates are as follows:

3,000 ft. mesh fencing complete in place, $8,250;
40,000 lbs. structural steel, $2,000;
Troughs, $6,600;
Through reinforcing steel, $2,400;
Pipe lines, earth & rose bushes, $3000;
Caps and girders, $5000; 10% for contingencies, $2725.
Total, $254,975.

April 24, 1934

CONTRACT AWARDED

MONTEREY COUNTY, Cal.—M. B. McGowan, Inc., 74 New Montgomery St., San Francisco, at $36,620 awarded contract by the State Highway Commission, Sacramento, for constructing a timber bridge across Hot Springs Creek, 48 miles south of Monterey.

BIDS WANTED

ARIZONA STATE.—Until May 4, 2 P. M., new bids will be received by the Arizona State Highway Commission, Phoenix, T. S. O'Connell, State Highway Engineer, for bridge construction on the Bisbee-Douglas Highway, NRH 11-A (AFE 8025). The work which is located about six miles east of Bisbee, consists of the widening and lengthening of an existing concrete arch bridge and grading, draining and concrete paving about 0.6 mile of approach roadway. The work involves:

(1) 2,450 cu. yds. roadway excav.;
(2) 3,800 cu. yds. select material, CIP;
(3) 6,200 sq. yds. grading;
(4) 269 cu. yds. concrete;
(5) 22,600 lbs. reinforcing steel;
(6) 6,240 sq. yds. concrete pavement;
(7) 4,560 sq. yds. removal of old concrete;
(8) other incidental items.

Bids were previously opened on this project April 18 and rejected. George W. Orr, Bisbee, at $47,263 was low bidder.

Funds have been programmed for the construction of this project in the amount of $50,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the project, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

LANE and Douglas Counties, Ore. —Until June 7, 9 A. M., date previously reported as tentative, bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, 3rd floor of the Public Service Bldg., Portland, for the construction of the Umpqua river bridge in Douglas county, and the Siuslaw river bridge in Lane county. A complete description of the project was published March 22.

Plans and specifications obtainable at the office of State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

BIDS REJECTED

ARIZONA STATE—All bids received by the Arizona State Highway Commission, Phoenix, April 18, for widening and lengthening an existing concrete arch bridge and grading 0.6 mi. of approach roadway on the Benson-Douglas Highway, about 6 mi. east of Bisbee, have been rejected.

George W. Orr, Bisbee, Ariz., at $47,263 was the low bidder.

BIDS WANTED

SAN JOSE, Cal.—Until May 14 (tentative) bids will be received by the San Jose City Council for the construction of a bridge over Guadalupe River at Fox-Lanzen Avenues. complete list of quantities will be published shortly. Estimate cost, $15,000. John J. Lynch, City Clerk.

22—DREDGING HARBOR WORKS EXCAVATION

AWARD RECOMMENDED

LOS ANGELES, Cal.—Los Angeles Harbor Commission approved recommendation of the acting harbor engineer that analysis of bids submitted April 4 by the Los Angeles Harbor Department, Karl B. Kumpe Co., and Merritt, Chapman & Scott Corp., for the construction of rock entrance jetties for Fish Harbor extension, Spec. 928, PWA Docket No. 2712, be transmitted to the State Engineer of the PWA with recommendation that award of contract be made to the Los Angeles Harbor Department at $132,300. The project consists of furnishing and placing approximately 46,520 cu. yds. of quarry rock for two rock mound jetties to be located at entrance to Fish Harbor extension off the south shore of Terminal Island.

Complete total bids were: Los Angeles Harbor Dept., San Pedro, $132,-300; Karl B. Kumpe, Ltd., Riverside, $172,250; Rohl-Connolly Co., Los Angeles, $172,590; Merritt, Chapman and Scott, San Pedro, $175,402; George Hess, Los Angeles, $194,491; and the San Francisco Bridge Co., San Francisco, $280,700.

FUNDS ALLOTTED

LOS ANGELES, Cal. — The Public Works Administration has allotted to the Fish Harbor Project of the Los Angeles Harbor Department the sum of $342,000. The work proposed will complete the development of Fish Harbor, upon which over $600,000 has already been expended.

The present work will involve an extension to the 2200-ft. mole on the east side of Fish Harbor by constructing a 100-ft. rock jetty. On the west side, there will be constructed a new jetty, between 500 and 600 ft. in length, of rock construction. These projects will complete the entrance protection. Piers to be constructed include: 3 finger piers averaging approximately

900 feet in length, 20 feet wide of creosoted timber and pile construction, with timber dock; one 20-foot marginal pier 1000 feet in length; 3 finger piers, 500x20 feet; and one marginal pier, 20x400 feet, all of the same type of construction. 5

PERMIT ASKED

NEWPORT, Calif.—Application has been made by the Irvine Co., Tustin, Orange County, for War Department permit to dredge a shallow strip in the tidelands at the head of Upper Newport Bay and build a dike landward, about 4000 ft. long, with the dredged material to form evaporation ponds for use in the manufacture of salt. Drawings showing the location and plan of the proposed work may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until Tuesday, May 1, 11 A. M. or at the office of the Irvine Company. H. H. Stickney, Major, Corps of Engineers, District Engineer.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Oakland Board of Education, April 17, for furnishing four auto and two trucks:

Harold Knudsen, Oakland	$4129.07
Dahl Chevrolet Co., Oakland	4141.19
Cochran & Celli, Oakland	4215.25
F. H. Dailey Motor Co., Oakland	4237.50
J. E. French Co., Ltd., Oakland	4271.63
Lloyd Wise, Albany	4320.90
Glikbarg Motor Co., Oakland	4329.90

The following firms submitted bids on furnishing two trucks only:

International Harvester, Oakland	$1838.91
Don Neher, Oakland	2263.11

Bids held under advisement.

CONTRACT AWARDED

SANTA CRUZ COUNTY, Cal.—Lance & Kooser, 48 Atlas Avenue, San Jose, at $17.50 per day submitted low bid and awarded contract by W. F. Holbrook, Maintenance Superintendent, Department of Public Works, Division of Highways, Box 616, Burlingame, April 17, for the rental of two 4 cu. yd. capacity pneumatic tired dump trucks not over 4 years old and in good condition, for approximately 100 days. Complete bids follow:

Lance & Kooser, San Jose	$17.50
J. G. Giorgi, San Francisco	19.60
Wm. Colbert, San Francisco	19.95
Pacific Truck Service, Inc., San Jose	20.00
H. E. Gibbs, San Jose	21.00
Meyer Rosenberg, S. F.	21.50
San Bruno Ave. Feed & Fuel Co. San Francisco	22.15
Daniel Gallagher T. M. & R. Co., San Francisco	22.96
T. O'Brien, San Francisco	23.00
Chas. W. Beguhl, Belmae Park	23.98
E. A. Hafely & Son, San Jose	24.00
L. N. Giorgi, San Francisco	25.60
J. O'Shea, Inc., San Francisco	26.00

BIDS OPENED

SAN FRANCISCO.—The De Vilbiss Co., 831 Howard St., at $867.05 submitted low bid to T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing a spray booth for the School Dept. under Bid No. 1178. Schott & Katz, 310 4th St., at $828.60 submitted the only other bid.

BIDS OPENED

SAN FRANCISCO. — Following bids received by T. H. Brooks, Purchaser of Supplies, Room 270, City Hall, April 20, for furnishing woodworking machinery for the School Department under Bid No. 1179. Bids were taken as follows:

(1) Single surfacer to plane 24-inches wide and not less than 7-in. thick;
(2) 8-in. hand jointer, floor type. Bids to state trade in allowance on 6-in. Wallace jointer, now in Harrison Street Repair Shop;
(3) Horizontal boring machine, capacity to 1-in. in hardwood, cast iron base, etc.;
(4) Universal saw bench, double revolving tilting arbors. Bids to state trade in allowance on one motor-driven variety saw, 5-hp., and one wood frame roller top saw table with 3-hp. motor and starter, in Harrison St. Repair Shop;
(5) 30-in. all metal band saw, substantial cast iron frame and table. Bids to state allowance on Jones 20-in. band saw with 1-hp. motor in Harrison St. Repair Shop;
(6) Ball bearing hand block belt sander, for belts from 6- to 8-in. wide;
(7) Ball bearing single spindle shaper;
(8) Vertical hollow chisel mortiser all motor-driven. Bids to state trade-in allowance on one Monarch vertical hollow chisel mortiser with ½-hp. motor, in Harrison St. Repair Shop.

Complete bids follow:

Jenison Machinery Co., San Francisco. (1) $983 (2) $330, allowance $35, net $295; (3) $335 (4) $1150, allowance $125, net $1,025; (5) $607, allowance, $50, net $557 (6) ....; (7) $550 (8) $618, allowance $65, net $553.

A. L. Young Machinery Co., S. F., (1) $1388 (2) $473, allowance $50, net $423 (3) $358 (4) .... (5) $703, allowance $75, net $628 (6).... (7).... (8) $903, allowance $25, net $878.

Yates American Machine Co., S. F. (1) $1071.60 (2) $409.80, allowance $67, net $342 (3) $327.50 (4) $1180, allowance, $266, net $914 (5) $632, allowance $72, net $560 (6) $1996 (7) $666 (8) $860, allowance $70, net $790.

Harron, Rickard & McCone Co., S. F., (1) $1095.25 (2) $425.40, allowance $67, net $358.40 (3).... (4).... (5) $456.60, allowance $72, net $384.50.

Eby Machinery Co., Ltd., S. F. (1) $1137.83 (2) $433.17, allowance $40, net $393.17 (3) $360.02 (4) $1172.79, allowance $175, net $996.79 (5) $617.73, allowance $60, net $557.73 (6) $996.39 (7) $406.44 (8) $790, allowance, $75, net $715.00.

All bids held under advisement.

CONTRACTS AWARDED

GRIDLEY, Calif.—W. H. Pillsbury, Chico, at $1605.15 awarded contract by the Board of Trustees of the Gridley Union High School District, April 12, for furnishing a chassis (Studebaker) for a school bus, having a gross rating sufficient for a school bus with a capacity of 41 to 48 high school students.

Gillig Bros., 1298 Post St., San Francisco, at $1700 awarded contract for furnishing the body for the school bus.

The other bids were:

BODY

J. T. Fleck, Chico, $1450.

C. Ray Smith, Gridley (Gibson) $1,690.

C. Ray Smith Patchetts & Cartinsey), $1,690.

CHASSIS

Chas. B. Vance, Gridley (Studebaker) $1,624.77.

Tucker Chevrolet Co., Gridley (G. M. C.) $1,959.45.

C. Ray Smith, Gridley(Dodge) $1,563.45. 5

PURCHASE

RENO, Nevada—The City of Reno has purchased a new Austin street sweeper to replace the 8-year old Elgin machine now in use.

26— RAILROADS

COMMITTEE FORMED

SAN MATEO COUNTY, Cal.—Chas. L. Wheeler, Hillsborough, is chairman of a new committee of the California State Chamber of Commerce, organize to coordinate various groups interested in development of a Peninsula Rapid Transit System. Other members of the committee are Daniel E. Koshland and N. R. Powley, Hillsborough; Fred E. Beer, San Mateo and C. B. Stoner, Redwood City. 26

BIDS WANTED

GRAND COULEE, Wash.—Until May 17, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Care of the Columbia Basin Commission, Civic Bldg., Spokane, Washington, for constructing the United States Construction Railroad at Grand Coulee Dam, Columbia Basin Project, Wash., under Specifications No. 572. The work is located between Odair, Wash., a siding about 2 miles northeast of Coulee City, Wash., on the Northern Pacific Railroad, and the Grand Coulee dam site, a distance of about 30 miles. The work involves:

(1) 496,300 cu. yds. all classes excav.;
(2) 850,00 0sta. cu. yds. overhaul;
(3) 2500 cu. yds. backfill;
(4) 600 cu. yds. concrete;
(5) 1200 sq. yds. dry-rock paving;
(7) Laying 4250 lin. ft. corrugated metal pipe;
(8) Erecting 78 MFBM timber;
(9) Driving 1800 lin. ft. piles;
(10) Constructing 60 miles fence;
(1) Laying 34.5 track-miles of ties and track;
(12) Placing 50,000 cu. yds. ballast.

Copies of the standard forms and of the specifications may be obtained from the office of the Bureau of Reclamation at Almira, Washington; Denver, Colorado, or Washington, D. C., without charge to prospective bidders; to others, $1 not returnable.

PLANNED

PASADENA, Cal.—Jos. B. Strauss, 111 Sutter St., San Francisco, consulting bridge engineer, has announced that preliminary plans are under way for an "Airtram" transportation system between Pasadena and Los Angeles. The cars will operate by suspension from a cable. The Pasadena City directors have granted a tentative franchise for the operation of a line from Colorado St. and Broadway south to Glenarm St., and thence to Los Angeles, following the route of the Santa Fe Railway tracks. The promoters expect to cut the present running time between Pasadena and Los Angeles in half.

28—FIRE EQUIPMENT

BIDS REJECTED

HAMILTON FIELD, Cal.—All bids received by the Constructing Quartermaster, Hamilton Field, San Rafael, April 2, for the installation of shutter coded signal siren at Hamilton Field have been rejected.

W. K. Jennings, 58 Spring Grove Ave., San Rafael, at $2347 submitted low bid.

30—RESERVOIRS & DAMS

BIDS WANTED

ARCADIA, Cal. — Until May 1, 8 P. M., bids will be received by the Arcadia City Council for furnishing, trenchside, Arcadia, water pipe as follows:

(1) 3000 ft. Class 150 16-in. CIP;
(2) 3000 ft. 16-in. welded steel pipe, 3/16-in. thickness, double dipped and wrapped.

Bidder to state length of pipe and time of delivery. W. H. Nesbitt, City Clerk. Specifications obtainable from above office.

BIDS WANTED

GRAND COULEE, Wash.—Until June 18, 10 A. M., as previously reported, bids will be received by the U. S. Bureau of Reclamation, Care of the Col-

umbia Basin Commission, Civic Bldg., Spokane, Wash., for the construction of the Grand Coulee Dam and Power Plant, under Spec. 570. The work is located near Almira, Washington, and about 100 miles west of Spokane. The work will involve:

(1) 11,450,000 cu. yds. of all classes of open-cut excavation;
(2) 1500 cu. yds. of tunnel excavation;
(3) 50,000 cu. yds. of backfill;
(4) 30,000 cu. yds. of riprap;
(5) 3,250,000 cu. yds. of concrete;
(6) 40,000 cu. ft. of grout;
(7) Drilling, 72,000 lin. ft. of grout and drainage holes;
(8) Placing, 22,000,000 lbs. of reinforcemet bars;
(9) Installing 1,100,000 lbs. small metal tubing, pipe and fittings;
(10) Installing 8,700,000 lbs. plate-steel penstock pipe;
(11) Installing 1,600,000 lbs. structural steel in power house;
(12) Installing 120,000 lin. ft. electrical conduit;
(13) Installing 125,000 lin. ft. metal sealing strips in contraction joints
(14) Installing 15,750,000 lbs. gates, gate hoists, conduit linings, butterfly valves, hoists, cranes, and trash-rack metal work.

This invitation for bids does not cover the purchase of materials which are to be furnished by the Government. Materials to be furnished by the contractor and those furnished by the Government are described in the specifications which will be a part of the contract.

The work shall be commenced within 30 calendar days after the dat of receipt of notice to proceed and shall be completed withon 1650 calendar days from the date of receipt of such notice.

Bid security in the sum of $2,000,000 will be required.

Performance bond in the sum of $5,-00,000 will be required.

Liquidated damages in the sum of $2000 will be assessed for each calendar day of delay not excusable pursuant to article 9 of Government Form No. P.W.A. 51.

Partial payments will be made monthly.

Plans, specifications, and drawings obtainable from the office of the Bureau of Reclamation at Almira, Washington, Denver, Colorado, or Washington, D. C., at a charge of $5, not returnable. *

CONTRACT AWARDED

SAN DIEGO, Cal. — Bodenhamer Constr. Co., 354 Hobart St., Oakland, at $197,700 awarded contract by the San Diego Purchasing Agent for the construction of an extnsion to the spillway at El Capitan Dam.

Complete bids published March 10.

PLANNED

PARKER, Arizona—Chief Designing Engineer J. L. Savage, Chief Electrical Engineer McClellan and B. W. Steel, Engineer of Dams, representing the Bureau of Reclamation, have been in Los Angeles for a series of conferences with officials of the Metropolitan Water District in regard to the Parker Dam on the Colorado River. F. E. Weymouth, General Manager and Chief Engineer of the Metropolitan Water District, Julian Hinds, Assistant Chief Engineer and C. E. Bissell, Office Engineer, in charge of contracts, met the reclamation officials at the Parker Dam site April 9 and 10 where details of the project were disclosed and questions in connection with the final plans and specifications for the structure were determined.

CONTRACT AWARDED

FORT PECK, Montana—Silas Mason Co., Inc., 500 Fifth Ave., New York City, and Walsh Constr. Co., Donahue Bldg., Davenport, Iowa, at $7,-311,940 awarded contract by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, for the construction of four diversion tunnels at the Fort Peck Dam, near Glasgow, Montans.

Complete bids published April 18.

31—PIPE LINES & WELLS

CONTRACT AWARDED

COALINGA, Cal.—Submersible Motor Pump Co., 3040 E. Slanson, Los Angeles, at $2,255 submitted the only bid and awarded contract by the Coalinga City Council April 19 for furnishing and installing one deep well turbine pump of the submerged motor type. The order was given for installation in the No. 2 well within two weeks. * 31

PROSPECTIVE BIDDERS

CHEYENE, Wyo. — Following have procured plans and specifications for constructing and finishing complete deep well pump, pump house and pipe line at Veterans' Administration, Ceyenne, under Project No. 764, for which bids will be opened by the Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., May 1, at 2:30 P. M.:

Hallhaur Const. Co., 844 Reish St., Chicago.

Sterling Pump Corp., 646 S. California St., Stockton, Calif.

Hendrie & Bolthoff Mfg. & Supply Co., P. O. Box 5110, Denver.

Mountain State Machinery Co., 1526 Blake St., Denver.

Pittsburg-Des Moines Steel Co., Neville Island P. O., Pittsburgh.

P. J. Black Lumber Co., 425 E. 16th St., Cheyenne, Wyo.

Warner Co., Inc., 1453 Wazee St., Denver.

Layne-Western Co. 215 B.M.A. Bldg. Kansas City.

Commercial Engr. Co., 1520 K St. N.W., Washington, D. C.

Pomona Pump Co., Pomona, Calif.

Buffalo Gasoline Motor Co., 1280 Niagra St., Buffalo, N. Y.

American Well Works, Aurora, Ill.

BIDS WANTED

SAN MATEO, Cal.—Until May 17, 8 P. M., bids will be received by the Board of Trustees of the San Mateo Union High School District, for the construction of a cable tool water well on the San Mateo High School grounds Bellevue & Delaware Sts., San Mateo.

Plans and specifications obtainable at the office of the Superintendent, in the High School. A. S. W. Grundy, President of the Board. W. H. Eddy, Clerk.

PURCHASE PLANNED

MADERA, Calif.—The Madera City Council has under consideration a contract with Fairbanks - Morse Co. for the purchase of a Diesel engine and turbine pump at a cost of $17,460 for installation at the Municipal Water Plant. The Diesel plant is to be substituted for an electric power plant.

32—SEWERS & SEWAGE DISPOSAL PLANTS

PROSPECTIVE BIDDERS

EUREKA, Humboldt Co., Calif.—Following have procured plans for replacing present terra cotta sewers at the U. S. Naval Radio Station, Eureka for which bids are being opened May 8, 11 A. M., as previously reported, by the Public Works Officer, Navy Yard, Mare Island:

Theo. Johanns, 2020 15th Street, San Francisco.

Fred J. Maurer & Son, Inc., Eureka.

Herman Lawson, 465 Tehama Street, Francisco.

Frederck W. Snook, 596 Clay Street, Francisco.

AWARDS RECOMMENDED

MONTEREY, Monterey Co., Calif.—The Monterey City Council has recommended that W. J. Tobin, 3701 Balfour Ave., Oakland, be awarded the contract at $67,893 for the construction of intercepting sewers, a portion of the Monterey Sewer Project financed by PWA funds. George E. Miller, 9401 Brighton Way, Beverly Hills, at $5,000 has been recommended for award of the contract for installing the outfall sewer portion of the project for which all materials will be furnished by the city. No recommendation on the type of pipe to be used was made by the City Council, pending a report from the PWA engineer.

Final awards of the contracts will be made at the meeting of the City Council May 1.

33— WATERWORKS

COMPLETE BIDS

FORT PECK, Montana — Gjellefald Constr. Co., Forest City, Iowa, at $162,875.95 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, for the construction of a water filtration plant and intake at the site of the proposed Fort Peck construction camp. Total bids follow:

Gjellefald Constr. Co., Forest City, Iowa, $162,857.95.

Woodrich Constr. Co., 404 National Bank Bldg., Minneapolis, $171,-341.78.

Thomas L. Dawson Co., 2035 Washington St., Kansas City, Mo., $171,418.15.

Lease & Leigland, Great Falls, Montana, $171,591.65.

Puget Constr Co., Culvertson, Montana, $174,856.17.

Addison Miller, Inc., 1111 Builders' Exchange Bldg., St. Paul, Minn., $181,082.67.

C. F. Lytle, 504 Nebraska St., Sioux City, Iowa, $183,128.10.

Maas Bros., Watertown, Wisconsin, $184,997.60.

James Leck Co., 211 S-Eleventh St., Minneapolis, $186,708.31.

Long Construction Co., Rialto Bldg., Kansas City, Mo., $193,112.45.

Inter-State Construction Co., 205 Walsix Bldg., Kansas City, Mo., $200,756.10.

April 20, 1934

CONTRACT AWARDED

MARE ISLAND, Cal.—Permutit Co., 442 4th Ave., New York City, at $12,109 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a continuous blow-down water softening system and chemical feeding system at the Navy Yard, Mare Island, under Spec. No. 7010.

BIDS WANTED

OAKLAND, Cal.—Until May 2, 5:30 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., Oakland, for 167,000 lin. ft. of cast iron pipe. Quantities follow:

Schedule 1: Delivery at Orinda:
(1) 30,000 lin. ft. 4-in. CIP;
(2) 50,000 lin. ft. 6-in. CIP;
(3) 3,000 lin. ft. 8-in. CIP;

Schedule 2: Delivery at Corporation Yard, 21st and Adeline Sts., Oakland.
(1) 20,000 lin. ft. 4-in. CIP;
(2) 60,000 lin. ft. 6-in. CIP;
(3) 2,000 lin. ft. 8-in. CIP;
(4) 2,000 lin. ft. 8-in. CIP.

BIDS WANTED

SAN FRANCISCO.—Until April 30, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1184, for furnishing 50,000 ft. of 6-in. cast iron water pipe.

Specifications obtainable from above office.

BIDS OPENED

PATTON, Cal.—The following bids were received by the State Purchasing Agent, Sacramento, April 16, for furnishing two water filter units at the Patton State Hospital:

Paddock Engr. Co., Los Angeles, $4,480 (sales tax included); Strout Steffens Co., $4810; Permutit Co., $4831; Coast Filer Co., $5045 (installed complete); Refinite Co., $5383, and the Uniflow Mfg. Co., $7190 (as specified), $6990 with substitution. 3

BIDS WANTED

DRAIN, Ore.—Until May 8, 4:30 P. M., bids will be received by A. E. Light, City Recorder, for constructing improvements to the waterworks system in the City of Drain, involving the construction of a 6-in. pipe line about three miles in length, a wood stave tank and certain improvements to the distribution system, consisting mainly of approximately 3,000 ft. of 8-in. cast iron pipe, together with such appurtenant works as are required by the project plans. The Federal Public Works Administration has allotted a loan and grant of $21,000 to aid in financing the project.

Plans and specifications obtainable from the above office and on file at the office of Stevens & Koon, Consulting Engineers, Spalding Bldg., Portland.

BIDS WANTED

SALT LAKE CITY, Utah. — Until May 2, 10 a. m., bids will be received by the U. S. Property and Disbursing Officer for Utah, P. O. Box 627, Salt Lake City, for the construction of a pumping plant and pipe line, including electric equipment.

The project consists of two 450-gal. pump units under 500-ft. head, electrical equipment, automatic control system, collecting works, 9,000 l. f. of 10-in. pipe.

Kimball & Ullrich, Ness Bldg., Salt Lake City, are the engineers. 1

BIDS WANTED

SAN BERNARDINO, Calif. — Until May 1, 7 P. M., bids will be received by the San Bernardino City Water Commission, 416 Third St., San Bernardino, for furnishing and installing two booster pumps and one deep well turbine pump in accordance with the specifications which may be obtained from Bard Livingstone, Water Superintendent. The pumps to be furnished and installed are as follows:

One booster pump at the Hanford plant: direct connected horizontal split case centrifugal type, of 900-g.p.m. against a head of 210 ft., with motor of 440-volt, 3-phase, 50-cycle, 60-hp. of 1475-r.p.m., with temperature rise of not more than 40 deg. Centigrade; panel board with all wiring installed, and installing complete 10-in. suction pipe with 10-in. check valve.

One booster pump at the Mill and D St., plant: direct connected, horizontal split case centrifugal type of 900-g.p.m. against a head of 235 ft., with motor of 440-volts, 3-phase, 50-cycle, 75-hp., 1475-r.p.m., with not more than 40 deg. temperature rise; panel board; 12-in. suction pipe and 12-in. check valves.

One deep well turbine pump for the Southwest well in Lytle Creek Park: A V-belt drive type of forty miner's inches capacity (360-g.p.m. at 1160-r.p.m.) to discharge against a total lift of 120 ft.; column length not including bowl, 120 ft.; pipe column to be No. 7 heavy oil well casing of not less than 17 lbs. per foot. Motor to be 20-hp., 440-volt, 60-cycle, 3-phase, 1160-r.p.m. with temperature rise not to exceed 40 deg. Centigrade. (Well casing is 16-in. in diameter.)

SURVEY RECOMMENDED

SANTA ROSA, Sonoma Co., Calif.—The Santa Rosa City Council has under advisement a recommendation from the Chamber of Commerce that an engineer be engaged to survey the city's water system and recommend improvements an effort to make the city's Water Department self-sustaining.

TO SELL HOLDINGS

VALLEJO, Calif.—The Bay Terrace Water System, north of Vallejo, has offered its holdings to the City of Vallejo for $3,500. The offer came from Attorneys J. M. Raines and T. J. Horan, representing the heirs of the Daniel Brosnahan. 1

FUNDS ALLOTTED

SAN CLEMENTE, Cal.—The City of San Clemente has been allotted a loan and grant of $46,000 for improvements to the water system. A $40,000 bond issue was approved by voters last March. The proposed work involves the laying of 46,750 ft. of 4-inch pipe and the construction of a pumping plant at San Jose creek.

34—PARKS AND PLAYGROUNDS

BIDS WANTED

BENTON FIELD, Alameda Co., Cal. —Until May 4, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for furnishing and installing approximately 4,660 lin. ft. of chain link fence at the Benton Field Air Depot, Alameda. On previous bid opening identical bids were submitted by all firms bidding.

CONTRACT AWARDED

SACRAMENTO, Cal. — Luppen & Hawley, 3126 J St., Sacramento, awarded contract by Treasury Department, at $2875, for installing a lawn sprinkler system on the Sacramento post office grounds. 1

BIDS OPENED

MERCED, Cal.—Central Coast Nursery, Monterey, at $489 submitted low bid to Custodian, Merced Post Office, for seeding and planting the grounds at the Post Office. Following bids received:

Central Coast Nursery, Monterey..$489
California Nursery, Niles..... 712
Walter A. Hoff, San Francisco.... 747

Bids referred to Washington for award. *

BIDS WANTED

LAS VEGAS, Nevada—Bids are being received by the Custodian, U. S. Post Office, Las Vegas, for seeding and planting the grounds at the U. S. Post Office, Las Vegas, Nevada.

BIDS WANTED

SAN YSIDRO, San Diego Co., Cal. —Bids are being received by the Custodian, U. S. Immigration Station, San Ysidro, for seeding and planting the grounds at the Immigration Station, San Ysidro. 1

CONTRACT AWARDED

SACRAMENTO, Cal.—George Roeding & Son, Niles, at $800 awarded contract by Post Office Department for landscaping at U. S. Post Office grounds, Sacramento.

29—STREETS AND HIGHWAYS

BIDS WANTED

TUOLUMNE COUNTY, Cal.—Until May 15, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 817 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 83, the Pine Crest National Forest Highway, Stanislaus National Forest, Tuolumne County. The work involves:

(1) 34 acres clearing;
(2) 11,550 cu. yds. unclass. excav.;
(3) 27 cu. yds. do for structures;
(4) 37,300 sta. yds. overhaul;
(5) 0.969 mi. finish earth graded road;
(6) 144 lin. ft. CMP (asph. dipped) in place;
(7) 25 cu. yds. concrete;
(8) 24 lbs. reinforcing steel;
(9) 110 MFBM hauling logs.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

ALPINE COUNTY, Cal.—Fredrickson & Watson Constr. Co., and Fredrickson Bros., 573 81st Ave., Oakland, at $200,012 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone road mix method about 6.5 miles and constructing a bridge across East Carson River, in Alpin Caunty, bet. Centerville Bridge and Markleeville.

BIDS POSTPONED

MARIN COUNTY, Cal.—Until May 14, 11 A. M., date extended from April 23, 11 A. M., bids will be received by the Marin County Board of Supervisors, San Rafael, for improvement of various county roads, a total length of 4.9 miles. Specifications available at the office of County Surveyor Rodney Messner and the County Clerk, San Rafael, without charge to prospective bidders.

CONTRACT AWARDED

WASHOE COUNTY, Nevada—Jones & King, Jackson St., Hayward, Calif., at $224,400.95 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for construction of Fourth St. from its junction with Reno-Verdi Highway to the west Sparks City limits and on Virginia St., Reno, Routes 1 and 3, Sections A-1, A-4, B-1, B-5, and B-2, a length of 4.31 miles.

Union Paving Co., San Francisco, at $227,339.90 submitted the second low bid. S. C. Durkee, State Highway Engineer.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

KITTITAS COUNTY, Wash. — Fiorito Bros., Inc., 3950 Sixth Ave., NW., Seattle, at $240,920 awarded contract by the Washington State Highway Department, April 17, for paving with Portland cement concrete about 8.0 miles of State Road No. 2, Snoqualmie Pass to Lake Keechelus in Kittitas County.

The other bids were: Albertson and Cornel Bros., Inc., Tacoma, $246,165; Goetz & Brannana, Seattle, $250,112.

CONTRACT AWARDED

KITTITAS COUNTY, Wash.—F. R. Hewett, 420 N. 22nd Ave., Spokane, at $39,985 awarded contract by Washington Highway Department, April 17, for surfacing with crushed stone and constructing a bituminous mat by the road mix method on about 17.8 miles of State Road No. 2, Teanaway to Mountain Home, in Kittitas County.

Other bids were: Standard Asphalt Paving Co., Spokane, $45,505; F. J. Kernan, Seattle, $51,885.

CONTRACT AWARDED

KITSAP and Mason Counties, Wash. —Northwest Const. Co., 3950 6th St. NW., Seattle, at $129,445 awarded the contract by Washington Highway Department, April 17, for grading and surfacing with crushed stone about 8.6 miles of State Road No. 14, Tidewater Creek to Union River, in Kitsap and Mason cousties.

Other bidders were: L. J. Dowell, Seattle, $131,515; L. Coluccio & Co., Seattle, $135,932.

CONTRACT AWARDED

GRAYS HARBOR and Jefferson Cos. Wash.—Joslin & McAllister, Box 1174, Spokane, at $49,969 awarded contract by Washington Highway Department, April 17, for surfacing with crushed stone about five miles from Swamp Creek north, and stockpiling crushed stone oil rock for about 34.45 miles, State Road No. 9, Quinault river to Cedar creek in Grays Harbor and Jefferson counties.

Other bids were: E. L. Edlund, Tacoma, $61,961; James Borin, Seattle, $63,324.

CONTRACT AWARDED

JEFFERSON and Clallam Counties, Wash.—Port Townsend Sand & Gravel Co., Port Townsend, at $29,797.00 awarded contract by the Washington Highway Department, April 17, for stockpiling about 18,550 cu. yds. crushed stone surfacing and oil rock for about 88 miles of State Road No. 9, Cedar Creek to Port Angeles, in Jefferson and Clallam Counties.

Other bids were: Enoch O. Albers, Chehalis, $32,305; R. O. Dail, Aberdeen, $33,782.

BIDS WANTED

SOLANO COUNTY, Cal.—Until May 3, 2 P. M., as previously reported, bids will be received by Department of Public Works, Division of Highways, R. E. Pierce, District Engineer, Dist. X, 47 N. Grant St., Stockton, for treating with fuel oil about 30.1 mi. in Solano County. The work requires:
(1) 3110 bbls. heavy fuel oil (60-70)
(2) 750 bbls. asph. road oil (SC-4).

Plans and specifications obtainable from above office.

BIDS WANTED

INYO COUNTY, Cal.—Until May 3, 2 P. M., bids will be received by Department of Public Works, Division of Highways, S. W. Lowden, Acting Dist. Engineer, Bishop, for treating with fuel oil about 10.8 miles in Inyo County, between Southern Sierras power plant No. 4 and Camp Sabrina (IX-Iny-76-B).

Plans and specificatoins obtainable from above office.

BIDS WANTED

SACRAMENTO, Cal.—Until April 30, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6304 for grading about 2900 lin. ft. of subgrade and providing about 6700 sq. yds. of bituminous pavement to form a hard surfaced roadway over a hydraulic dredge fill in a spoil area in West Sacramento River from the highway near the M Street Bridge to a point near the warehouse of E. C. Horst Co. opposite the City of Sacramento. Work involves:
(1) 1100 cu. yds. grading;
(2) 6500 sq. yds. bituminous pavement;
(3) 6500 sq. yds. seal coat.

Specifications and map obtainable from above office.

CONTRACT AWARDED

TEHAMA COUNTY, Cal.—Clarence Young, 5250 Broadway Terrace, Oakland, at approximately $97,000 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading and placing subgrade reinforcement on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen Nat'l. Forest, Tehama County. The award omits the items for furnishing 12,700 cu. yds. of subgrade reinforcement and 32,000 gals. of liquid asphaltic road material, Type SC-2.

The total bid submitted by Young was $99,215.78.

CONTRACT AWARDED

KINGS COUNTY, Cal. — Southern California Roads Co., 2145 E. 25th St., Los Angeles, at $167,952 awarded concrete about 7.5 miles between Hanford and Easterly Boundary in Kings County.

CONTRACT AWARDED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., San Francisco, at $104,602 awarded contract by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.5 miles on Sloat Blvd., bet. Great Highway and Nineteenth Ave.

CONTRACT AWARDED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., San Francisco, at $30,555 awarded contract by the State Highway Commission, Sacramento, for paving with asphalt concrete about 0.3 miles between Waterloo street and Islais Creek Channel in San Francisco.

CONTRACT AWARDED

SAN FRANCISCO — E. J. Treacy, Call Bldg., San Francisco, at $5034.80 plus $500 for possible extras and $465 for engineering, awarded contract by Dept. of Public Works, S. J. Hester, Chief Deput Director, Room 251 City Hall, for improvement of Pulgas Road near Redwood City.

CONTRACT AWARDED

SAN FRANCISCO—Pacific Pavements Co., Ltd., 85 Barstow St., San Francisco, at $23,448 plus $2300 for possible extras, awarded contract by the Dept. of Public Works, S. J. Hester, Chief Deputy Director, Room 251 City Hall, for improvement to roads in Golden Gate Park under Contract No. 3.

CONTRACT AWARDED

TOMBSTONE, Ariz.—Pleasant-Hasler Constr. Co., 324 Luhrs Bldg., Phoenix, at $16,732 awarded contract by Arizona State Highway Commission, Phoenix, April 14, for placing cutback armor coat and a cutback plant mix oil cake on the Benson-Douglas Highway in Tombstone.

CONTRACT AWARDED

ALHAMBRA, Cal.—Osborn Co., 450 California Terrace, Pasadena, at $6975 awarded contract by the Alhambra City Council, April 17, for furnishing asphalt concrete for the Garfield Ave. repaving, from Ramona Blvd. to Valley Blvd.

BIDS WANTED

STATE OF WASHINGTON.—Until May 8, 10 A. M., bids will be received by L. V. Murrow, State Director of Highways, Olympia, for highway and bridge work as follows:

Spokane County—Bridge and Repaving

Constructing a reinforced concrete bridge 244.5 ft. long and repaving with asphaltic concrete on about 0.2 mile of State Road No. 2, Spokane-West, Rosamond Ave. over - crossing and approaches, in the city of Spokane, Unit 2 of U.S.P.W. Project NRM 156-D, in Spokane County, involving:
(1) 1,270 cu. yds. concrete;
(2) 166,000 lbs. steel reinf. bars;
(3) 3,254 sq. yds. asph. conc. pave.;
(4) other items.

Walla Walla Co.—Railway Crossing

Constructing an overhead railway crossing to carry the tracks of the O. W. R. R. & N. Co. and paving with Portland cement concrete about 0.2 mile of State Road No. 3, Pine Street undrcrossing and approaches, in the city of Walla Walla, U. S. P. W. Project NRM 126-B, in Walla Walla County, involving:
(1) 26,980 cu. yds. excavation;
(2) 4,560 sq. yds. pavement;
(3) 2,390 lin. ft. pipe;
(4) 680 cu. yds. concrete;
(5) 163,600 lbs. structural steel;
(6) other items.

Stevens Co.—Grading and Surfacing

Grading and surfacing with crushed stone about 1.4 miles of State Rd. No. 3, Colville north, U. S. P. W. Projects Nos. NRM 154-D and NRH 154-E, in Stevens County, involving:
(1) 20,470 cu. yds. excavation;
(2) 5,650 cu. yds. gravel borrow;
(3) 3,900 cu. yds. crushed stone surf.;
(4) 450 lin. ft. pipe culverts;
(5) other items.

Lincoln and Grant Counties
Seal Coat and Bituminous Mat

Constructing a bituminous mat by the road mix method on about 8.4 mi. and constructing a seal coat on about 13.7 miles of State Road No. 2, end of pavement west of Davenport to Creston, Federal Public Works Project in Lincoln County, and constructing a bituminous mat by the road mix method on about 3.7 miles of State Road No. 7, Quincy to Soap Lake Revisions, Unit 2 of F. P. W. Project No. 4168, in Grant County.

Kittitas and Yakima Counties
Resurfacing and Bituminous Mat

Resurfacing portions of the existing road and constructing a bituminous mat by the bituminous macadam method on about 6.6 miles, and constructing a non-skid seal coat on about 34.9 miles of State Road No. 5, Morse Creek to Oak Flat in Kittitas and Yakima counties; constructing a bituminous mat by the bituminous macadam method on about 10 miles and constructing a non-skid seal coat on about 9.7 miles of State Road No. 7, Ellensburg to Alkali Ikes, in Kittitas County, and constructing a non-skid seal coat on about 18.6 miles of State Road No. 8, Toppenish Ridge to Yakima-Klickitat County line in Yakima County, F. P. W. Project No. 6856, involving about 46,310 cu. yds. of placing crushed stone surfacing and oil rock materials on roadway; 2,615 tons of bituminous cement (cut-back asphalt R. C.-4) and other items.

Klickitat County—Bitumious Mat

Constructing a bituminous mat by the bituminous macadam and plant mix methods on about 38.1 miles of State Road No. 8, Lyle to Goldendale, F. P. W. Project No. 8033, in Klickitat County.

King and Snohomish Counties—Trestle

Constructing eight treated pile trestles; one 367-ft. long; six 45-ft. long, and one 57-ft. long, on a portion of State Road No. 15, Money Creek to Halford-Trestles, Unit 2 of U. S. P. W. Project No. NRH 189-B in King and Snohomish counties, involving 186 cu. yds. concrete; 67,000 lbs. structural steel; 217 M.B.M. treated timber and plank; 7,680 lin. ft. treated piling and other items.

Grant County—Grand Coulee Highway

Constructing a bituminous mat by the plant mix method on about 27.5 miles of the Grand Coulee Highway, Coulee City to the dam site, in Grant county, Federal Public Works Project.

Plans and specifications obtainable from the above office upon deposit of $2.00.

BIDS WANTED

SOLANO COUNTY, Cal.—Until May 3, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, R. E. Pierce, District Engineer, District X, 47 North Grant St., Stockton, for treating with fuel oil and asphaltic road oil about 30.1 miles in Solano County between Vacaville and the northerly boundary of Solano County, and between the junction of State Highway Route 101 and State Highway Route 53 and 1¾ miles south of Dixon, X-Sol-90-101-A A & B.

Plans and specifications obtainable from the above office.

miles northwesterly. The work requires 950 bbls. of asphaltic road oil in place. Complete bids follow. (1) per bbl.; (2) total:
C. W. Wood and L. C. Pulley, (1) $1.93 (2) $1833.50.
Paulsen & March, Los Angeles (1) $2.12; (2) $2014.
Gilmore Oil Co., Los Angeles (1) $2.27 (2) $2156.50.
Oilfields Trucking Co., Bakersfield, (1) $2.35; (2) $2232.50.
Pacific Tank Lines, Los Angeles, (1) $2.67; (2) $2536.50.
Square Oil Co., Los Angeles, (1) $3.25; (2) $3087.50.

PLANNED

BURLINGAME, Cal.—City Engineer E. M. Thomas has submitted estimates to the Burlingame City Council on the cost of widening Burlingame Avenue from El Camino Real to California Drive and for widening California Drive between Rhinette Ave. and the Mills Creek. It is proposed to set back curb lines 3 feet on each side of El Camino Real which the City Engineer estimates will cost $11,810. On California Drive it is proposed to widen the pavement to provide a 36-ft. roadway at an estimated cost of $19,202.

BIDS OPENED

DOUGLAS and Jackson Cos., Ore.—A. Milne, 7253 NE Broadway, Portland at $129,761 submitted low bid to the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Building, Portland, for constructing or improving 12.44 miles of the Diamond Lake Highway surfacing and bituminous surface treatment Project NR-43-B2, C3, National Forest Road Project, Rogue River National Forest in Dougas and Jackson Cos., Oregon.

Complete bids follow:
(A) A. Milne, Portland, $129,761.00.
(B) Newport Const. Co., Portland, $131,542.00.
(C) E. C. Hall, Eugene, $135,283.00.
(D) Interstate Const. Co. and Homer G. Johnson, Portland, $147,277.00.
Bids held under advisement.

BIDS OPENED

TILLAMOOK COUNTY, Ore.—F. C. Dillard and A. T. Dolan, Tillamook, at $157,684 submitted low bid to the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Building, Portland, for constructing or improving the McMinnville-Tillamook Reconstruction grading and subgrade reinforcement Proj. NR-1-A1, B, National Forest Rd. Prj., Suislau National Forest, Tillamook Co. a length of approximately 4.4117 miles.

Complete bids follow:
(A) F. C. Dillard and A. T. Dolan, Tillamook, $157,684.00.
(B) LaDee Logging Co., $160,118.00.
(C) C. T. Malcolm, Portland, $162,030.
(D) P. L. Crooks Co., Portland, $172,-891.00.
(E) Joplih & Eldon, Portland, $181,357.
Bids held under advisement.

CONTRACT AWARDED

PHOENIX, Arizona—W. E. Hall Co., 1025 Westminster Ave., Alhambra, at $96,550 awarded contract by Arizona State Highway Commission, Phoenix, for widening and resurfacing the existing pavement on East Van Buren St., between Central Ave. and 16th St., in the City of Phoenix, on the Phoenix-Tempe Highway.

CONTRACT AWARDED

ARIZONA STATE—Arizona Sand & Rock Co., Box 1522, Phoenix, and Del E. Webb Constr. Co. and Rogers Bros., 1635 W. Jefferson St., Phoenix at $71,767 awarded contract by Arizona State Highway Commission, Phoenix, for grading, draining, placing aggregate base course and mineral aggre-

Oilfields Trucking Co., Bakersfield, (1) $2.25; (2) $9967.50.

BIDS WANTED

LOS ANGELES and Orange Counties, Cal.—Until May 17, 2 P. M., bids will be received by the State Highway Commission, Rm. 706, State Bldg. Los Angeles, for grading about 7.9 miles and paving portions with asphalt concrete and the remainder to be paved with either asphalt concrete or Portland cement concrete in Los Angeles and Orange Counties, on Manchester Avenue between Cerritos Ave., Downey and Artesia Avenue, Buena Park. The work involves.

(1) 411 stations clear and grub right of way;
(2) 41,000 cu. yds. rdwy. excav., unclassified;
(3) 203,000 sta. yds. overhaul;
(4) 46,000 cu. yds. imported borrow;
(5) 6,800 tons selected borrow;
(6) 2,800 cu. yds. struc. excav.;
(7) 106,500 sq. yds. subgrade preparation;
(8) 5,300 sq. yds. asph. paint binder;
(9) 14 tons asph. road oil, seal coat;
(10) 1,700 tons asph. conc. base levelling and Type A surface courses from Sta. 233 plus 50 to Sta. 235 plus 50 and from Sta. 403 plus 95 to Sta. 410 plus 38;
(11) 790 cu. yds. Class A Port. cem. conc. curbs, gutters, sidewalks and driveways;
(12) 580 cu. yds. Class A Port. cement conc. struc.;
(13) 40,000 lbs. bar reinf. steel struc.;
(14) 100,500 lbs. misc. iron and steel structures;
(15) 200 lin. ft. 18-in. CMP;
(16) 360 lin. ft. 24-in. CMP;
(17) 720 cu. yds. concrete, removed from existing pavement, curbs, gutters, sidewalks and struc. and disposed of;
(18) 1,300 M. gals. water;
(19) 2,100 tons crushed gravel or stone bituminous treated surfacing;
(20) 110 tons cutback asphalt;
(21) 4,200 bbls. heavy fuel oil shoulders;
(22) 84,200 sq. yds. prepare, mix and shape shoulders;
(23) 880 lin. ft. bank protection fence, heavy type;
(24) 160 lin. ft. do. light type;
(25) 156 each timber guide posts;
(26) 63 each culvert markers;
(27) 411 sta. finishing roadway.

ALTERNATIVE ITEMS

From Station 235 plus 50 to Station 387 plus 81.40 and from Station 410 plus 38 to Station 8 plus 50; Ora-174-A.

ALTERNATIVE A

(1) 44,000 tons asph. conc. base levelling and Type A surface courses.

ALTERNATIVE B

(1) 19,550 cu. yds. Class A Port. cem. conc. pave.;
(2) 455,000 lbs. bar reinf. steel pave.

NOTE: Alternative A sets forth the necessary item for the construction of asphalt concrete pavement on LA-174-B from Station 235 plus 50 to Station 387 plus 81.40 and from Station 410 plus 38, LA-174-B to Station 8 plus 50, Ora-174-A.

Alternative B sets for the necessary items for the construction of the same area with Portland cement concrete. The contract may be awarded on the basis of constructing the said portions of either type at the option of the Department of Public Works.

COMPLETE BIDS

KERN COUNTY, Cal.—C. W. Wood, P. O. Box 444, Blythe, and L. C. Pulley, 1209 Hoffman Ave., Long Beach, at $1833.50, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Bishop, for treating with asphaltic road oil about 7.0 miles in Kern County, between Mojave and 7

DAY LABOR

MONROVIA, Cal.—City Engineer Garth Duell, authorized by the Monrovia City Council April 21, to improve Monrovia Ave., and Oak Park Lane and other streets by day labor. The bids received were rejected. They were ,
Kovacevich & Price, Inc., Southgate .....$ 7,422.50
Chas. Booth, Los Angeles.... 12,718.55

TO PREPARE PLANS

EL CERRITO, Cal.—The El Cerrito City Council has instructed City Engineer H. D. Chapman to prepare plans for extending and paving Eureka St. and to estimate costs.

AWARD RECOMMENDED

DOUGLAS and Jackson Cos., Ore.—A. Milne, 7253 NE Broadway, Portland at $129,761 recommended for award of a contract for improving 12.44 miles of the Diamond Lake Highway surfacing and bituminous surface treatment project NR-43-B2, C3, Rogue River National Forest, Douglas and Jackson Counties.

The recommendation was made by W. H. Lynch, District Engineer, U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland.

AWARD

PLACER AND EL DORADO COS.—C. F. Fredericksen & Sons, Lower Lake, at $8690 awarded contract by the State Highway Commission, Sacramento, for treating with oil about 44.5 miles in Placer and El Dorado Counties, between Lincoln and Newcastle; between Placerville and Cool; between Kyburz and Fred's Place, and between 2 miles east of Fred's Place and Strawberry.

COMPLETE BIDS

INYO COUNTY, Cal. — Square Oil Co., Inc., 916 Adobe St., Los Angeles, at $3843.75, as previously reported, submitted low bid to the Dept. of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Bishop, for treating with fuel oil about 18.3 mi. in Inyo County, bet. Death Valley National Monument and Death Valley Junction. The work requires 2050 bbls. heavy feul oil in place. Complete bids follow. (1) per bbl.; (2) total:
Square Oil Co., Inc. (1) $1.875; (2) $3843.75.
Paulsen & March, Inc., Los Angeles, (1) $2.57; (2) $5286.50.
Tiffany Constr. Co., San Jose, (1) $2.64 (2) $5412.
Pacific Tank Lines, Inc., Los Angeles, (1) $2.64; (2) $412.
Gilmore Oil Co., Los Angeles, $2.78; (2) $5699.
Oilfields Trucking Co., Bakersfield (1) $2.97; (2) $6088.50 .

COMPLETE BIDS

INYO COUNTY, Cal. — Clyde W Wood, 1209 Hoffman Ave., Long Beach at $7442.40, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Bishop, for treating with fuel oil about 32.9 miles in Inyo County, between 1 mile west of Lone Pine and the east end of Zinc Hill grade. The work requires 4430 bbls. heavy fuel oil in place. Complete bids follow. (1) per bbl; (2) total:
C. W. Wood and L. C. Pulley, (1) (1)$1.68; (2) $7442.40.
Paulsen & March, Inc., Los Angeles, (1) $1.82; (2) $8062.60.
Square Oil Co., Inc., Los Angeles, (1) $1.84; (2) $8151.20.
Gilmore Oil Co., Los Angeles, (1) $2.10 (2) $9303.
Pacific Tank Lines, Los Angeles, (1) $2.1359; (2) $9657.40.
Tiffany Constr. Co., San Jose, (1) $2.18; (2) $9657.40.

gate on 5.2 miles of the Phoenix-Yuma Highway, beginning about 4 miles north of Gillespie Dam Bridge and extending northeasterly.

CONTRACT AWARDED

MARICOPA COUNTY, Arizona—Martin Bros. Trucking Co., 1389 Gladys Ave., Long Beach, at $68,504 awarded contract by the Arizona State Highway Commission, Phoenix, for furnishing and placing base course and oil mix (either road or plant mix) on 10.8 miles of Blythe - Wickenburg Highway, from the Yuma-Maricopa County line easterly to the town of Aguila.

CONTRACT AWARDED

MARCH FIELD, Riverside, Cal. — G. R. Abbott, P. O. Box 271, La Jolla, at $7,984 awarded contract by the Constructing Quartermaster, Washington, D. C., for reconditioning roads at March Field. The award omits the items of concrete curbs, concrete sidewalks, and 1843 sq. yds. reinforced concrete pavement.

Low Bidders.

MARICOPA COUNTY, Ariz.—Martin Bros. Trucking Co., 1389 Gladys Ave., Long Beach, at $68,504 submitted low bid to the Arizona State Highway Commission, Phoenix, April 20, for highway construction on the Blythe-Wickenburg Highway, N. R. H. 98-C; A. F. E. 6016. The work, which extends from the Yuma-Maricopa County line easterly about 10.8 miles to the town of Aguila, consists of furnishing and placing of base course and oil mix (either road or plant mix).

O. F. Fisher, Phoenix, at $72,234 submitted second low bid, alt., $70,288.

FUNDS ALLOTTED

LOS ANGELES, Cal.—The Public Works Administration has allotted to the City of Los Angeles $48,600 for street improvements including the following:

59th Pl., from San Pedro to Hoover St., grading and paving, $11,800.

Van Nuys Blvd., between Chandler and Ventura Blvds., $7300.

Stanford, McKinley, and Wadsworth Aves., from Florence Ave to Manchester Ave., $29,500.

COMPLETE BIDS

PHOENIX, Ariz.—W. E. Hall Co., 1025 Westminster Ave., Alhambra, at $96,550.39, as previously reported, submitted low bid to the Arizona State Highway Commission, April 19, for widening and resurfacing the existing pavement on East Van Burean St. between Central Ave. and 16th St., in the City of Phoenix, on the Phoenix-Tempe Highway.

The other bids were:

O. F. Fisher, Phoenix, $98,418.64.

Daley Corp., San Diego, $99,974.35.

Arizona Sand & Rock Co., Phoenix, $105, 421.12.

Phoenix-Tempe Stone Co., Phoenix, $115,489.80.

Pleasant-Hasler Construction Co., Phoenix, $118,732.60.

BIDS OPENED

VALLEJO, Solano Co., Calif.—Following bids received by the postmaster, Vallejo, for cement concrete paving, involving approximately 3,000 sq. ft., at the southwest portion of the post office lot.

(1) 6-in.;	(2) 8-in.	
Louis Tagnon, Vallejo	(1)	$ 835.00
	(2)	1,050.00
A. J. McKay and C. L. John, son, Vallejo	(1)	$ 866.00
	(2)	989.00
Has. K. Moore, Vallejo	(1)	$1,203.80
	(2)	1,323.00

Bids held under advisement. *

BIDS WANTED

ALAMEDA, Alameda Co., Cal.—Until May 3, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for grading runways and placing rock underfill on Units 3 and 4 at Benton Field Air Depot, Alameda. Plans and specifications may be obtained at the above office upon deposit of $10.00. *

CONTRACT AWARDED

TEHAMA COUNTY, Cal. — E. A. Forde, 640 Redhill Ave., San Anselmo, at $8470 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 30.6 miles in Tehama County between the Junction of Route 29 and Route 3, westerly on Route 29 to Wells Creek.

CONTRACT AWARDED

SISKIYOU COUNTY, Cal.—Charles L. Harney, 443 Call Bldg., San Francisco, at $126,325 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with crusher run base and asphalt concrete about 2.4 miles in Siskiyou County, between the southerly boundary of Yreka and 1½ miles north of Yreka.

BIDS WANTED

YAVAPAI AND COCONINO COS., Ariz.—Until May 17, 10 A. M., bids will be received by the Bureau of Public Works, 302 Title and Trust Bldg., Phoenix, for placing subgrade reinforcement on 24.615 miles of Sections C, D, E, F, G, and H of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai and Coconino Counties, Arizona. The work involves:

(1) 45,500 cu. yds. subgrade reinforcement;

(2) 107,000 cu. yd. mi. hauling subgrade reinforcement.

Plans and specifications obtainable from above office and from the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10. C. H. Sweetser, District Engineer.

CONTRACT AWARDED

ELKO COUNTY, Nevada — Isbell Construction Co., Carson City, Nev., at $116,293.07 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for construction of a portion of the State Highway system in Elko County between 5 miles and 25 miles north of Currie, Route 13, Section A-2 and B-1a a length of 80 miles.

Utah Constr. Co., Ogden, Utah, at $124,500.21 submitted the second low bid. S. C. Durkee, State Highway Engineer.

CONTRACT AWARDED

NYE COUNTY, Nevada — Union Paving Co., 624 Call Bldg., San Francisco, at $84 103.88 awarded contract by Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, for construction of a portion of the State Highway System in Ney County, between 22 mi. west of Indian Springs and 33 mi. south of Beatty, Route 5, Sections B-2, C and D-1., a length of 17 miles.

Dodge Constr. Co., Inc., Fallon, Nevada, at $87,824 82 submitted the second low bid. S. C. Durkee, State Highway Engineer.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening May 2 and May 9.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue line prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened May 2, 1934:

II-Las-Mod-73, B, C, D, E, F, G, C and D between Litchfield and Alturas, no charge.

II-Plu-21 and 82 between Rich and Quincy, between westerly boundary and Quincy, and between Blairsden & Sierra county line, no charge.

IV-Ala-5-D between San Leandro & Oakland, (Plans): No. of sheets, 14; cost, $1.50; (Cross-sections), Number of sheets, 25; cost, $2.50; total, $4.00.

IV-Scr-5-B between one mile north of Inspiration Point and Scott's Valley, no charge.

XI-S.D-2-B Overhead crossing over the A.T. & S. F. railway near Carlsbad, (Plans) No. of sheets, 6; cost, $.60; total, $.60.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened May 9, 1934:

I-Men-56-A, B, C & D between Gualala and Mendocino City, none.

VI-Fre-Tul-41-76-T, U, A-B, C, D, E bet. Orange Cove Road and General Grant National Park and bet. Academy and the east end of Huntington Lake, none.

VI-Ker-58-144-H, I & A between the westerly boundary and 6.6 miles west of McKittrick and between the junction of State Highway Route 58 and State Highway Rt. 144 and the State Institution for Women, none.

VI-Tul-King-127-135-C, D & B, A & B between Springville and Camp Nelson and between Corcoran and Earlimart, none.

X-Mer-123-B across Merced river at Cox Ferry; (Plans), No. of sheets, 4; cost, $.40; total $.40.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

BIDS WANTED

LOS ANGELES, Cal.—Until May 17, 2 P. M., bids will be received by the State Highway Commission, Rm. 706, State Bldg., Los Angeles, for grading and paving with asphalt concrete and Portland cement concrete about 5.0 miles in Los Angeles County between Redondo Beach and Wilmington. The work involves:

(1) 262 stations clear and grub right of way;

(2) 181,000 cu. yds. rdwy. excav., unclassified;

(3) 7,950,000 sta. yds. overhaul;

(4) 2,000 cu. yds. struc. excav.;

(5) 111,000 sq. yds. subgrade for pave.

(6) 6,900 sq. yds. asph. paint binder;

(7) 3,050 tons asph. conc., exclusive of central 20-ft. width from Sta. 76 plus 00 to Station 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;

(8) 13,500 cu. yds. Class A Port. cem. conc. pave. exclusive of central 20-ft. width from Sta. 76 plus 00 to Sta. 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;

(9) 366,700 lbs. bar reinf. steel pave. exclusive of central 20-ft. do;

(10) 2,725 cu. yds. Class A Port. cem. conc. curbs, gutters and sidewalks;

(11) 610 cu. yds. Class A Port. cem. conc. strucs.;

(12) 64,000 lbs. bar reinf. steel struc.;

(13) 34,000 lbs. misc. iron and steel structures;

(14) 420 lin. ft. 24-in. CMP;

(15) 1,100 cu. ysd. existing pavement, curbs and sidewalks to be removed;

(16) 2,400 M. gals. water;

(17) 4,350 barrels heavy fuel oil;
(18) 90,500 sq. yds. shoulders to be prepared, mixed and shaped;
(19) 32 each culvert markers;
(20) 262 stations finishing roadway.

ALTERNATIVE ITEMS

Central 20-ft. strip Station 76 plus 00 to Sta. 210 plus 30 and Sta. 225 plus 50 to Sta. 271 plus 15.

ALTERNATE A

(1) 16,050 tons asphalt concrete;
(2) 102 tons asph. road oil, seal coat;

ALTERNATE B

(1) 7,240 cu. yds. Class A Port. cem. conc. pave.;
(2) 208,300 lbs. bar reinf. steel pave.;
(3) 155 tons asph. road oil, seal coat.

NOTE: Alternative A sets forth the necessary items for the construction of the central 20-ft. width of pavement from Sta. 76 plus 00 to Sta. 210 plus 30 and Sta. 225 plus 50 to Sta. 271 plus 15 with asphalt concrete. Alternative B sets forth the necessary items for paving the same areas with Portland cement concrete. The contract may be awarded on the basis of the construction of either type of pavement at the option of the Department of Public Works.

BIDS WANTED

KERN COUNTY, Cal.—Until May 16, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading 6.3 miles in Kern County, between Haypress Canyon and Bear Mountain. The work involves:

(1) 215,000 cu. yds. rdwy. excav., unclass;
(2) 5400 cu. yds. struc. excav.;
(3 1,800,000 sta. yds. overhaul;
(4) 1500 M. gals water;
(5) 9.0 MFBM dense select all heart struc. grade redwood timber;
(6) 87 MFBM select all heart do;
(7) 850 bbls. fuel oil;
(8) 80 cu. yds. Class A Port. cem. conc. strucs.;
(9) 5000 lbs. bar rein. steel strucs.;
(10) 17 each spillway assemblies;
(11) 372 lin. ft. 8-in. CMP;
(12) 648 lin. ft. 18-in. CMP;
(13) 1660 lin. ft. 24-in. CMP;
(14) 410 lin. ft. 20-in. CMP;
(15) 154 lin. ft. 36-in. CMP;
(16) 58 lin. ft. 48-in. CMP;
(17) 166 lin. ft. 72-in. CMP;
(18) 700 each guide posts;
(19) 1800 lin. ft. laminated timber guard rail;
(20) 2 cu. yds. exist. Port. cem. conc. removed and disposed of;
(21) 60 each timber culvert markers;
(22) 6.8 mi. new property fences;
(23) 12 each fence gates, complete in place;
(24) 5.6 miles exist. prop. fences to be removed and reset;
(25) 331 station finishing roadway;
(26) 130 monuments, complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in Los Angeles and San Francisco.

BIDS REJECTED

DOUGLAS, Arizona—All bids received by the Arizona State Highway Commission, April 18, for widening existing pavement and placing curbs and gutters on "A" Avenue in the City of Douglas, on the Benson-Douglas Highway, have been rejected.

H. L. Royden, Phoenix, at $14,335 was the low bidder.

BIDS WANTED

PHOENIX, Arizona.—Until May 10 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix - Tempe Highway, NRM 30-C, AFE 519. The work, which lies within the city limits of Phoenix and extends from 15th Ave. east along W. Van Buren St. to 7th Ave., a distance of about one-half mile, consists of widening and resurfacing the existing pavement and other misc. items.

The work involves:

(1) 6600 sq. yds. grading under pave.;
(2) 1450 cu. yds. agg. base course;
(3) 3000 tons asph. concrete;
(4) 250 tons asph. surface finish;
(5) 70 sq. yds. conc. pavement;
(6) 3000 lin. ft. curb and gutter;
(7) 8 manholes;
(8) 1000 lin. ft. 10-in. concrete pipe;
(9) 77 lin. ft. 12-in. do;
(10) 920 lin. ft. 42-in. reinf. monolthic concrete pipe;
(11) other incidental items.

Funds have been programmed for the construction of this project and the other Van Buren St. projects in the amount of $166,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed, the length of the project will be shortened, if necessary, to keep the cost within the funds allotted thereto. T. S. O'Connell, state highway engineer. 29

CONTRACT AWARDED

SONOMA COUNTY, Cal.—L. Brisco, Arroyo Grande, at $7,800 awarded the contract by the State Highway Commission, Sacramento, for treating with fuel oil as a dust palliative about 41.9 miles in Sonoma County between Duncan Mills and Mendocino County line.

BIDS WANTED

SAN FRANCISCO—The Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Moraga St. between 17th and 18th Aves., where not already improved. The work involves:

(1) 680 lin. ft. 6-in. vit. clay pipe side sewers;
(2) 479 lin. ft. armored concrete curb;
(3) 383 lin. ft. unarmored conc. curb;
(4) 813 sq. ft. 6-in. Class E concrete pavement;
(5) 18,318 sq. ft. asph. conc. pave., consisting of 6-in. Class F conc. base and 2-in. asph. wearing surf.
(6) 1,000 sq. ft. 2-in. asph. concrete wearing surface.

Estimated cost, $7,400.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

DOUGLAS, Arizona—Until May 4, 10 A. M., new bids will be received by the Arizona State Highway Commission, Phoenix, T. S. O'Connell, State Highway Engineer, for highway construction on Benson-Douglas Highway, NRM 79-H (AFE 505). The work, which lies within the city limits of Douglas on "A" Avenue, a distance of approximately 0.6 mile, consists of widening the existing pavement and placing curbs and gutters. The work involves:

(1) 1,300 cu. yds. rdwy. excav.;
(2) 1,000 cu. yds. agg. base course;
(3) 900 tons aggregate for pavement;
(4) 80 tons emulsified asphalt;
(5) 3,800 lin. ft. concrete curb.

Bids were previously opened on this project April 18, and rejected. H. L. Royden, Phoenix, at $14,355 was the low bidder.

Funds have been programmed for the construction of this project in the amount of $10,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the project, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

Plans and specifications obtainable from above office.

BIDS WANTED

NEVADA AND SIERRA COUNTIES.—Until May 1, 2 p. m., as previously reported, bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Dist. III, Marysville Hotel, Marysville, for treating with fuel oil about 7 miles in Nevada County, between Truckee and Hobart Mills; 8.3 miles in Sierra County between Sierraville and Calpine, and 17.9 miles in Sierra County between Sierra City and the junction of State Highway Route 25 and State Highway Route 83.

The work requires:

(1) 980 bbls. light fuel oil, Location A;
(2) 930 bbls. light fuel oil, Location B;
(3) 2,000 bbls. light fuel oil, Location C.

Plans and specifications obtainable from the above office and on file at the office of D. P. B.

PANAMA CANAL ZONE.—Until May 7, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2957, for furnishing miscellaneous supplies and equipment including safety threshold and stair treads; automatic exit fixtures; marine gasoline engine; brake shoes; steel plates; wire rope; steel guy wire; bare copper wire; drill rods; soft strip brass; tinned plate; seamless copper tubing; stove bolts; steel rivets; iron or steel washers; pipe bends; flanged unions; threaded unions; brass elbows; railing fittings; check valves; wood tackle blocks; step ladders; wagon umbrellas storage batteries; wood separators; friction tape; green pigment (for concrete); braided cotton line; cabinet perforators and one motor-driven exhaust fan.

Specifications obtainable from the above office and from the office of the Assistant Purchasing Agent, The Panama Canal, Ft. Mason, San Francisco.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SEWAGE TREATMENT WORKS — COALINGA

COALINGA, Cal.—Stroud Bros. & Seabrook, Union Ave., at Subway, Bakersfield, at $21,355.25 submitted low bid to the Coalinga City Council, April 9, for the construction of a complete Sewage treatment works and outfall sewer, involving:

1) 1891.5 lin. ft. constructing 15-inch sewer outfall;
2) 5 manholes with covers, complete;
3) 64 ft. span bridge with concrete pile and abutment, complete;
4) trestle with concrete piles, complete;
5) sedimentation tank, complete;
6) pump house, complete;
7) pump complete with foundation, motor, switchboard, wiring for pump, etc.;
8) sludge digestion tank, complete;
9) 2 sludge drying beds, excavation only, including placing of all excavated material in position around tanks.

Complete bids follow:

(A) Stroud Bros. & Seabrook, Bakersfield, $21,355.25.
(B) Geo. E. Miller, Beverly Hills, $21,498.
(C) A. Soda & Son, Oakland, $22,712.77.
(D) W. J. Tobin, Oakland, $23,111.87.
(E) R. B. McNair, Oakland, $24,788.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 1.10	$2312.00*	$ 1.43	$ 1.75	$ 1.60
(2)	42.50	225.00*	78.10	60.00	85.00
(3)	625.00	781.00	985.00	1000.00	1045.00
(4)	1290.00	1300.00	974.00	275.00	1310.00
(5)	7918.00	7200.00	7619.00	6500.00	8080.00
(6)	310.00	250.00	446.00	425.00	350.00
(7)	700.00	800.00	875.00	1000.00	1022.00
(8)	8118.00	8500.00	8617.00	9500.00	9288.00
(9)	100.00	130.00	100.00	800.00	240.00

LOS ANGELES — SEPULVEDA BLVD. IMP. — (CITY)

LOS ANGELES, Cal.—Southern California Roads Co., 2415 E 25th St., Los Angeles, at $273,490.21, as previously reported, submitted low bid to the Los Angeles Board of Public Works, April 8, for the improvement of Sepulveda Blvd. bet. Ventura Blvd. and Beverly Blvd., under cash contract.

The items are:

(1) 35,865 cu. yds. excav., 30,562 cu. yds. fill;
(2) 1,132,770 sq. ft. Warrenite-bitulithic pave., 8-in. thick, consisting of asph. conc. base, 6-inches thick and Warrenite - bitulithic wearing surface, 2-in. thick;
(3) 445 sq. ft. Warrenite - bitulithic wearing surf. of variable thickness (average 3-in.);
(4) 3319 sq. tf. concrete pavement, 3-in. thick (local depressions);
(5) 494,237 sq. ft. rock and oil roadway, 2-in.;
(6) 394 lin. ft. reinf. integral curb, as per Std. Plan No. B-1037;
(7) 964 lin. ft. reinf. concrete integral curb and conc. gutter 1½-feet wide, as per Std. Plan B-1037;
(8) 828 lin. ft. unplastered heavy curb
(9) 805 sq. ft. conc. sidewalk, 3-in. thick;
(10) 663 sq. ft. conc. gutter, 8-inches thick;
(11) 39,158 sq. ft. white conc.traffic lines 8-in. thick, consisting of white concrete, 2-in. thick on asphalt conc. base, 6-in. thick;
(12) 10 sq. ft. do. 2-in. thick;
(13) 6586 lin. ft. wooden guardrail, Plan B-902;
(14) sanitary sewer and appurtennaces complete, not incl. resurfacing;
(15) storm drain appurtenances, complete, not inc. local depressions;
(16) concrete retaining walls, complete
(17) 216 lin. ft. conc. baffle walls;
(18) 9 manholes to be reset;
(19) 141 sq. ft. Class C resurfacing.

Total bids follow:

(A) Southern California Roads Co., L. A., $273,449.21.
(B) Griffith Co., Los Angeles, $281,130.16.
(C) P. J. Akmadzich, Los Angeles, $293,903.98.
(D) Los Angeles Paving Co., Los Angeles, $399,435.50.
(E) United Concrete Pipe Corp., Los Angeles, $309,743.88.
(F) Gibbons & Reed, Burbank, $344,377.14.
(G) Engineer's estimate, $301,741.15.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$23,390.00	$20,210.00	$25,000.00	$17,000.00	$16,000.00	$35,000.00	$20,520.00
(2)	.175	.18	.185	.20	.193	.215	.199
(3)	.11	.15	.095	.12	.15	.15	.14
(4)	.21	.25	.37	.24	.20	.30	.25
(5)	.03	.04	.029	.035	.0425	.035	.031
(6)	.50	.55	.63	.65	.70	.75	.62
(7)	.80	1.00	1.05	.80	1.00	1.25	.75
(8)	.45	.50	.68	.50	.70	.75	.50
(9)	.12	.14	.16	.12	.12	.16	.12
(10)	.25	.25	.32	.24	.20	.25	.25
(11)	.27	.26	.27	.30	.10	.35	.286
(12)	.20	.30	.27	.20	.20	.22	.175
(13)	.40	.75	1.00	.53	1.00	1.00	.55
(14)	750.00	800.00	1,043.00	1,500.00	1,000.00	850.00	650.00
(15)	12,500.00	10,300.00	12,600.00	13,000.00	13,000.00	13,500.00	14,365.00
(16)	8,000.00	8,000.00	10,500.00	6,000.00	26,175.00	10,000.00	7,825.00
(17)	1.00	.85	.68	1.00	2.00	1.50	.90
(18)	35.00	50.00	94.50	45.00	180.00	45.00	50.00
(19)	.20	.25	.20	.25	.25	.30	.25

BIDS OPENED

MODOC COUNTY, Cal. — Larsen Bros., 5200 21st St., Sacramento, at $76,881.50 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing with crushed gravel or stone about 2.7 mi. in Modoc County, between Lakeview Road and Cedarville, involving:

(1) 80,000 cu. yds. rdwy. excav., unclass.;
(2) 210,000 sta. yds. overhaul;
(3) 1650 cu. yds. structure excav.;
(4) 9750 tons crushed gravel or stone surface;
(5) 2370 M. gals water;
(6) 445 bbls. heavy fuel oil;
(7) 268 lin. ft. 12-in. CMP;
(8) 1450 lin. ft. 18-in. CMP;
(9) 86 lin. ft. 24-in. CMP;
(10) 84 lin. ft. 36-in. CMP;
(11) 68 lin. ft. 42-in. CMP;
(12) 80 lin. ft. 84-in. CMP;
(13) 228 lin. ft. 96-in. CMP;
(14) 65 cu. yds. rubble masonry;
(15) 5.4 mi. new property fence Type A;
(16) 0.1 mi. new property fence Type B;
(17) 16 each fence gates;
(18) 60 each culvert markers;
(19) 143 stations finishing roadway;
(20) 72 each monuments complete in place.

Complete bids follow:

(A) Larsen Bros., Sacramento, $76,881.50.
(B) Willard & Biasotti, Stockton, $110,696.50.

Unit bids follow:

	(A)	(B)
(1)	$ .45	$ .79
(2)	.01	.01
(3)	1.00	1.75
(4)	1.75	1.80
(5)	1.00	3.00
(6)	4.00	3.00
(7)	1.50	2.00
(8)	2.00	2.50
(9)	3.00	3.00
(10)	5.00	5.00
(11)	6.00	8.00
(12)	18.00	20.00
(13)	25.00	25.00
(14)	20.00	13.00
(15)	500.00	300.00
(16)	1000.00	450.00
(17)	15.00	15.00
(18)	2.00	2.50
(19)	5.00	5.00
(20)	3.00	3.00

BIDS OPENED

MARIN COUNTY, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $26,831 submitted low bid to the State Highway Commission, Sacramento, for bituminous surface treatment and asphaltic seal coat to be applied to about 14.6 miles in Marin County between Stinson Beach and Marshall.

Unit quantities follow:

(1) 430 tons emulsified asph. road oil;
(2) 5,850 tons screening.

Complete and unit bids follow:

Lee J. Immel, Berkeley, (1) $19.00 (2) $3.19; total $26,831.00.

E. A. Forde, San Anselmo, (1) $19.30 (2) $3.50; total $28,774.00.

Pacific Truck Service, Inc., San Jose (1) $20.00 (2) $3.655; total $29,981.75.

A. J. Raisch, San Jose, (1) $24.75 (2) $4.50; total $36,967.50.

BIDS OPENED

FRESNO, Cal.—Harron, Rickard & McCone, 1600 Bryant St., San Francisco, at $277 submitted low bid to State Purchasing Dept., Sacramento, for furnishing asphalt kettle for the

Division of Highways, Fresno. Complete bids follow:

Harron, Rickard & McCone, S. F.	$277
Peerless Machinery Mfg. Co.	280
A. L. Young Machinery Co., S. F.	335
Kratz & McClelland, S. F.	380
Spears Wells Machinery Co.	432

All bids held under advisement

) * 25

BIDS OPENED

SACRAMENTO CO., Calif.—M. A. Jenkins, 3560 Y St., Sacramento, at $11,470 submitted low bid to the State Highway Commission, Sacramento, for the construction of fenders for two piers at the bridge across the Sacramento river about 1.3 miles north of Isleton, Sacramento County. Complete bids follow:

(A) M. A. Jenkins, Sacramento, $11,470.00.
(B) M. B. McGowan, Inc., San Francisco, $11,562.00.
(C) Bundesen & Lauritzen & Delta Dredging Co., Pittsburg, $13,177.

Unit quantities follow:

(1) one lot existing pier fenders removed;
(2) 7,040 lin. ft. Douglas fir piles;
(3) 138 each driving piles;
(4) 19,000 lin. ft. treated Douglas fir piles;
(5) 7,500 lin. ft. untreated do;
(6) 3,500 lin. ft. Redwood timber, select all heart structural grade;
(7) 6800 lbs. hardware;
(8) 250 lin. ft. pipe handrail to be removed and reset;
(9) 1 lot misc. items of work.

Unit bids follow:

	(A)	(B)	(C)
(1)	$1200.00	$2245.00	$ 800.00
(2)	.575	.55	.60
(3)	9.00	7.00	9.75
(4)	110.00	110.00	180.00
(5)	70.00	70.00	168.00
(6)	110.00	120.00	138.00
(7)	.10	.08	.12
(8)	.40	1.00	.75
(9)	1200.00	650.00	437.00
	*		21

BIDS OPENED

SONOMA and Mendocino Cos., Calif.—Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $99,017.80 submitted low bid to the State Highway Commission, Sacramento, for surfacing with bituminous treated crushed gravel or stone plant mixed about 13.9 miles in Sonoma and Mendocino counties between Cloverdale and Hopland. Complete bids follow:

(A) Peninsula Paving Co., San Francisco, $99,017.80.
(B) Basich Bros., Torrance, $99,828.50.
(C) Pacific State Const. Co., S. F., $100,345.00.

Unit quantities follow:

(1) 31,250 tons crushed gravel or stone bituminous treated surfacing;
(2) 1,660 tons cut back asphalt;
(3) 1,140 bbls. light fuel oil subgrade treatment;
(4) 4,200 bbls. heavy fuel oil shoulders
(5) 13.6 miles prepare, mix and shape shoulders.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 1.76	$ 1.65	$ 1.78
(2)	17.30	20.00	17.70
(3)	1.95	1.90	1.90
(4)	2.10	2.10	2.10
(5)	313.00	300.00	320.00
	*		29

BIDS WANTED

LAKE COUNTY, Cal.—Until May 4, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Dist I, 546 Wabash Ave., Eureka, for treating with fuel oil about 20.2 miles in Lake County, between Middletown and Lower Lake Road; I-Lak-89-B & C.

Plans and specifications obtainable from above office.

BUTTE & TEHAMA COS. — 4.4 Mi. Grading — (Govt.)

BUTTE and Tehama Counties, Cal.—Clarence Young, 5250 Broadway Terrace, Oakland, at $133,236.50 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section F of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Butte and Tehama Counties. The work involves:

(1) 193,000 cu. yds. unclass. excav.;
(2) 2,880 cu. yds. unclass. excav. for structures;
(3) 300,000 sta. yds. overhaul;
(4) 4.441 miles finish earth graded rd.
(5) 230 cu. yds. crushed rock;
(6) 1,700 1-ft. protection ditch;
(7) 0.8 MFBM untreated lumber;
(8) 318 cu. yds. Class A concrete;
(9) 49 cu. yds. Class B concrete;
(10) 67 cu. yds. Class D concrete;
(11) 36,200 lbs. reinf. steel;
(12) 828 lin. ft. 3-in. perf. CGMP;
(13) 398 lin. ft. 8-in. asph. dipped do;
(14) 1,316 lin. ft. 18-in. do;
(15) 2,294 lin. ft. 24-in. do;
(16) 96 lin. ft. 30-in. do;
(17) 216 lin. ft. 36-in. do;
(18) 36,000 lbs. struc. steel;
(19) 100 cu. yds. hand laid riprap;
(20) 59 cu. yds. hand laid rock embankment;
(21) 11 each type A spillway inlets;
(22) 146 each right of way monuments
(23) extra work, additional clearing.

Total bids follow:

(A) Clarence Young, Oakland, $133,236.50.
(B) Frank C. Cuffe, San Rafael, $140-321.65.
(C) Gist & Bell, Arcadia, $143,114.50.
(D) Healy-Tibbitts Const. Co., S. F., $149,087.60.
(E) Morrison-Kundsen, Los Angeles, $155,980.25.
(F) Halleran Bros., San Francisco, $160,343.00.
(G) MacDonald & Kahn Co., Inc., San Francisco, $160,677.00.
(H) Engineer's estimate, $136,349.10.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .50	$ .53	$ .51	$ .55	$ .57	$ .63	$ .62	$ .50
(2)	1.25	1.50	2.00	2.00	2.00	1.00	1.85	1.50
(3)	.01	.01	.01	.02	.02	.02	.015	.02
(4)	250.00	150.00	500.00	300.00	350.00	200.00	400.00	300.00
(5)	4.00	4.00	5.00	4.50	3.00	2.00	7.00	3.00
(6)	.35	.20	.75	.25	.25	.20	.40	.20
(7)	80.00	100.00	100.00	100.00	100.00	60.00	120.00	80.00
(8)	26.00	25.00	27.00	25.00	30.00	25.00	27.00	25.00
(9)	26.00	25.00	26.00	24.00	30.00	25.00	25.00	25.00
(10)	27.00	35.00	30.00	27.00	30.00	25.00	28.00	27.00
(11)	.055	.06	.06	.06	.06	.06	.052	.06
(12)	1.00	1.50	1.00	1.00	1.00	1.00	.95	1.10
(13)	.90	1.25	1.00	1.10	1.00	1.00	.95	1.00
(14)	1.75	2.00	2.50	2.00	1.90	3.00	1.90	1.60
(15)	2.50	2.50	3.00	2.75	3.00	3.00	2.90	2.60
(16)	3.25	3.50	4.00	3.25	4.00	4.00	3.60	3.50
(17)	5.50	4.75	6.00	5.00	6.00	6.00	5.40	4.50
(18)	.06	.06	.08	.07	.08	.10	.06	.055
(19)	3.00	3.00	3.00	2.00	2.50	2.00	5.00	4.00
(20)	1.00	4.00	5.00	3.00	2.50	3.00	5.00	3.00
(21)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
(22)	3.50	4.00	3.00	3.00	3.00	2.00	3.00	3.00
(23)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

All bids held under advisement.

LOS ANGELES — KINGMAN AVE. — (CITY)

LOS ANGELES, Cal.—O'Neal & Son, 8677 W. Pico Blvd., Los Angeles, at $20,449.96, as previously reported, submitted low bid to the Los Angeles Board of Public Works, April 18, for grading, paving, and otherwise improving the streets in Kingman Ave. and Entrada Drive Improvement District, under Cash Contract. The work involves:

(1) 8119 cu. yds. excav. and 5810 cu. yds. fill;
(2) 90,408 sq. ft. asph. conc. pave. 6-in. thick, (4-in. asph. conc. base; 2-in. asph. conc. wearing surf.);
(3) 1375 sq. ft. asph. conc. wearing surf. 4-in. thick;
(4) 240 sq. ft. asph. conc. wearing surface, variable thickness;
(5) 179 sq. ft. Class C resurf., 4-in. thick;
(6) 410 sq. ft. sidewalk, 3-in. thick;
(7) 483 sq. ft. do, 4-in. thick (driveways);
(8) 405 sq. ft. conc. sidewalk, 6-in. thick (driveways);
(9) 1310 lin. ft. unplastered light curb;
(10) 3332 lin. ft. rein. integral curb with concrete gutter 1-ft. wide;
(11) 1386 lin. ft. conc: gutter, 6-in. thick;
(12) Sanitary sewer, complete;
(13) 460 lin. ft. 6-in. house connection sewers (9-ft. deep);
(14) reconstruct ornamental lighting system, complete;
(15) 1449 sq. ft. white conc. traffic line, 6-in. thick, consisting of white conc., 2-in. thick, on asph. conc. base, 4-in. thick;
(16) 2 manholes to be reset.

Complete bids follow:

(A) O'Neal & Son, Los Angeles, $20,499.96.
(B) Griffith Co., Los Angeles, $21,789.54.
(C) Oswald Bros., Los Angeles, $22,422.07.
(D) Los Angeles Paving Co., Los Angeles, $22,577.90.
(E) P. J. Akmadzich, Los Angeles, $23,865.45.
(F) Engineer's Estimate, $20,896.70.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$3348.00	$3340.00	$3800.00	$3500.00	$3400.00	$3480.00
(2)	.115	.13	.126	.14	.14	.124
(3)	.085	.09	.086	.09	.10	.085
(4)	.085	.07	.075	.12	.10	.10
(5)	.10	.13	.10	.12	.12	.10
(6)	105	.15	.135	.12	.12	.12
(7)	.13	.17	.165	.15	.135	.14
(8)	.19	.19	.235	.18	.15	.18
(9)	.37	.45	.42	.45	.45	.39
(10)	.64	.75	.75	.65	.95	.62
(11)	.20	.22	.25	.20	.17	.20
(12)	2120.00	2000.00	2400.00	2000.00	2436.00	1970.00
(13)	.80	.90	.85	1.00	1.00	1.00
(14)	90.90	60.00	60.00	110.00	80.00	100.00
(15)	.30	.30	.40	.30	.32	.32
(16)	10.00	10.00	20.00	15.00	20.00	10.00

BIDS OPENED

MONTEREY, Monterey Co., Calif.—Following bids received by the Monterey City Council April 24 for constructing the intercepting and outfall sewers of the Monterey Sewer Project, financed by PWA funds.

Bids were taken as follows:

PROPOSAL A

Constructing intercepting sewers, furnishing materials and construction complete:

1) 800 lin. ft. 15-in. sewer;
2) 2600 lin. ft. 21-in. sewer;
3) 3150 lin. ft. 27-in. sewer;
4) 110 lin. ft. 30-in. sewer;
5) Outfall junction (surge tank complete);
6) 21 manholes;
7) 267 cu. yds. concrete jackets;
8) 5000 B.F. concrete jackets, redwood lumber, per M.

PROPOSAL B

Furnishing materials only for the outfall sewer:

1-a) 252 ft. 24-in. Class 200 cast iron pipe;
1-b) 732 ft. 24-in. Class B flexible joint cast iron pipe;
1-c) one 12-ft. length 24-in. cast iron pipe with flexible joint Bell at one end;
2) 9,000 lbs. lead, per cwt;
3) 1,000 lbs. oakum, per cwt;
4) 2,000 lbs. 40% powder, per cwt.

PROPOSAL C

Installing outfall sewer, contractor to furnish only the labor and equipment, the City to furnish the materials.

Complete bids follow:

PROPOSAL A

A) W. J. Tobin;
B) Fredrickson & Watson Const. Co. and Fredrickson Bros.

	(A)	(B)
(1).....	$ 4.00	$ 5.00
(2).....	8.20	8.50
(3).....	10.60	11.50
(4).....	12.00	14.00
(5).....	1400.00	2000.00
(6).....	150.00	175.00
(7).....	14.00	20.00
(8).....	75.00	100.00
Total....	$67,893.00	$75,380.00

PROPOSAL B

United States Pipe & Foundry Co., San Francisco, $8,282.20 (furnishing materials, 1-a, 1-b, and 1-c only).

Central Foundry Co., San Francisco, $7,373.00; alt. $7,951.00 (furnishing materials, 1-a, 1-b, and 1-c only).

Water Works Supply Co., San Francisco, bid on furnishing lead only, at $5.91 per 100 lbs.; and oakum at $10 per cwt.

Hartley Hardware Co., Santa Cruz, bid on powder only, at $14.50 per 100 lbs.

PROPOSAL C

Merritt, Chapman & Scott, San Pedro $36,074
E. E. Miller, Beverly Hills..... 5,000

BIDS OPENED

MARCH FIELD, Riverside Co., Cal.—George E. Miller, 9401 Brighton Way, Beverly Hills, at $5437 (item 1) and $5885 (item 2) submitted low bid to the Constructing Quartermaster at March Field April 24 for furnishing and installing a deep well motor-driven turbine pump with automatic electric control, constructing a well pump house and discharge lines to ground tanks. Bids were taken as follows:

(1) work complete with pump rated at 1760-rpm.;
(2) work complete with pump rated at 1160-rpm.;
(3) time limit in days.

Complete bids follow:

George E. Miller, Beverly Hills, (1) $5437 (2) $4885 (3) 90.

Fred E. Weber, South Gate, (1) $5,880 (2) $6415 (3) 55.

Bennett & Taylor, Los Angeles, (1) $6432 (2) $6912 (3) 90.

Marko Matick, Los Angeles, (1) $6,475 (2) $6964 (3) 50.

Cresmer Mfg. Co., Riverside ,(1) $6,710 (2) $6787 (3) 60.

L. A. Cline, Los Angeles, (1) $6806 (2) $7400 (3) 50.

H. G. Klusman, Cucamonga, (1) $6,830 (2) $7440 (3) .....

All bids were referred to the Quartermaster General, Washington, D. C., without recommendation.

CONTRACT AWARDED

WHITMAN CO., Wash.—F. R. Hewett, 420 W. 22nd Ave., Spokane, at $45,472 awarded contract by Washington State Highway Department for 17.9 miles of stockpiling on Inland Empire Highway, eastern route, junction State Road 3 to Oakdale and Idaho state line to Colton. 29

LOS ANGELES — TUNNEL SUPPORTS — (DISTRICT)

LOS ANGELES, Cal.—Commercial Shearing & Stamping Co, Youngstown, Ohio, and 5717 Santa Fe Ave., Los Angeles, as previously reported, apparently submitted low bid to the Metropolitan Water District, April 23, for furnishing plates and ribs under Schedules 1, 2 and 3, for tunnel support for 15-ft. 3-in. and 16-ft. diameter tunnels. Specifications No. 66. The figures were: Schedule 1, $96,883; Sch. 2, $34,768 and Sch. 3, $131,651.

McClintic-Marshall Corp., 11,100 Central Ave., Los Angeles, submitted low bid on Schedules 4 and 5, at $17,012, and $21,204, respectively.

SCHEDULE 1

Furnishing steel tunnel liner plates, complete with bolts and other accessories. Schedules 1 and 2 are alternative to Schedule 3.

(1) 120 tons liner plates 16-in. wide by 37 11/16-in. or 18 27/32-in. long by 3/16-in. in thickness;
(2) 120 tons liner plates 16-in. wide by 37 11/16-in. or 18 27/32-in. long by 5/32-in. do;
(3) 1000 tons liner plates 16-in. wide by 37 11/16-in. or 18 27/32-in. long by ⅛-in. do;
(4) 100 tons liner plates 16-in. wide by 37 -11/16-in. or 18 27/32-in. long by 7/64-in. do;
(5) 600 grout connections in liner plates.

SCHEDULE 2

Furnishing structural steel ribs complete with bolts and splices. Sch. 1 and 2 are alternative to Sched. 3.

(6) 60 tons ribs of 6-in. 12.5 lb. I-beams;
(7) 50 tons ribs of 5-in. 10.0 lb. I-beams;
(8) 450 tons of 4-in. 7.7 lb. I-beams.

SCHEDULE 3

Furnishing steel tunnel liner plates and structural steel ribs complete with bolts, splices, and other accessories. Schedule 3 is alternative to Schedules 1 and 2.

(9) 120 tons liner plates 16-in. wide by 37 11/16-in. or 18 27/32-in. long by 3/16-in. in thickness;
(10) 120 tons liner plates 16-in. wide by 37 11/16-in. or 18 27/32-in. long by 5/32-in. do;
(13) 600 groud connections in liner plates;
(14) 60 tons ribs or 6-in. 12.5 lb. I-beams;
(15) 50 tons ribs of 5-in. 10.0 lb. I-beams;
(16) 450 tons ribs of 4-in. 7.7 lb. I-beams;

SCHEDULE 4

Furnishing structural steel columns beams complete with splice plates and bolts.

(17) 260 tons wall beams 6-in. 20.0 lb. CH or 20.0 BH, or equal;
(18) 20 tons wall beams 6-in. 15.5 BH, or equal.

SCHEDULE 5

Furnishing structural steel columns complete with bolts.

(19) 40 tons columns 6-in. 20-lb. CH or 20 lb. BH, or equal;
(20) 150 tons columns 6-in. 15.5 lb. BH, or equal;
(21) 130 tons 4-in. 13.0 lb. BH or 13.8 lb. CH, or equal.

Following firms submitted bids:

(A) Commercial Shearing & Stamping Co., Youngstown, Ohio—Bid f.o.b. Bidder's plant, Youngstown. Discount ½ or 1% 10 days.
(B) Youngstown Steel Car Corp., Niles, Ohio—Bid f.o.b. Niles. Discount 1% 10 days.
(C) Consolidated Stel Corp. Ltd., Los Angeles—Bid f.o.b. plant, Los Angeles.
(D) McClintic-Marshall Corp., Los Angeles—Bid Schedule 2, f.o.b. Pottstown, Pa.; Schedules 4 and 5, Los Angeles.
(E) Kyle Steel Constr. Co., Vernon—F.O.B. bidder's plant. Discount, ½ of 1%.

Truscon Steel Co. submitted a bid but failed to enclose a certified check. The bid was not declared.

Complete bids follow:

	(A)	(B)	(C)	(D)	(E)
Sch. 1—(1).....	$ 67.00	$ 67.25	$.....	$.....	$.....
Sch. 1—(2).....	70.50	68.35	.....	.....	.....
Sch. 1—(3).....	72.80	74.75	.....	.....	.....
Sch. 1—(4).....	74.45	75.50	.....	.....	.....
Sch. 1—(5).....	.23	.22	.....	.....	.....
Total.....	96,883.00	98,704.00	.....	.....	.....
Sch. 2—(6).....	60.30	62.00	.....	99.10	.....
Sch. 2—(7).....	60.50	64.50	.....	104.10	.....
Sch. 2—(8).....	62.50	68.00	.....	109.10	.....
Total.....	34,768.00	37,545.00	.....	60.246.00	.....
Sch. 3—(9).....	67.00	67.25	.....	.....	.....
Sch. 3—(10).....	70.50	68.35	.....	.....	.....
Sch. 3—(11).....	72.80	74.75	.....	.....	.....
Sch. 3—(12).....	74.45	75.50	.....	.....	.....
Sch. 3—(13).....	.23	.22	.....	.....	.....
Sch. 3—(14).....	60.30	57.50	.....	.....	.....
Sch. 3—(15).....	60.50	59.25	.....	.....	.....
Sch. 3—(16).....	62.50	65.10	.....	.....	.....
Total.....	131,651.00	134,411.50	.....	.....	.....
Sch. 4—(17).....	48.00	.....	67.00	60.60	.....
Sch. 4—(18).....	50.00	.....	74.00	62.80	.....
Total	13,480.00	.....	18,900.00	17,012.00	.....
Sch. 5—(19).....	52.00	.....	69.00	64.20	66.97
Sch. 5—(20).....	55.50	.....	74.00	66.00	67.97
Sch. 5—(21).....	56.00	.....	79.00	67.20	68.97
F.O.B., L. A.....	17,685.00	.....	24,130.00	21,204.00	21,840.40

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Building and Engineering News

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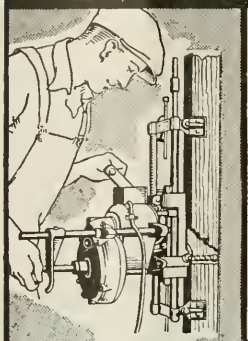
WAPPAT Electric TOOLS



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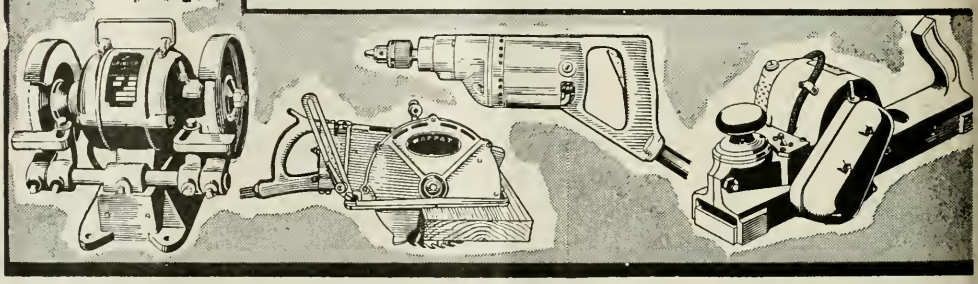

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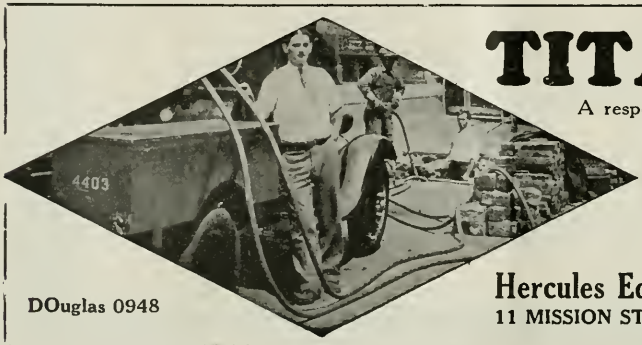

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Vol. XVII SAN FRANCISCO, CALIF., MAY 5, 1934 No. 18

Code Authority for Contractors Named; Organization Meeting Monday in L. A.

The State Code Authority or agency which is to govern the operations of General Contractors under Chapter II of the Construction Industry Code in the State of California has been appointed by the National Code Authority, according to an announcement yesterday by Floyd O. Booe, Secretary-Manager of the Northern California Chapter, Associated General Contractors of America.

Under the provisions of the General Contractors' Code this State Authority will carry out all of the steps which are required in the administration and enforcement of the Code in the State of California in cooperation with the State N.R.A. Compliance Director. It will have jurisdiction in respect to matters of trade practice and the establishment of the various sub-agencies which will be required to effectively administer the Code.

The personnel of the State Authority which has been named in Washington follows:

R. D. Watson of Oakland, Chairman. Mr. Watson is secretary of Fredrickson & Watson Construction Company and is also president of the Northern California Chapter, Associated General Contractors.

Other members of the Committee in Northern California are George J. Maurer of the George J. Maurer Company, Oakland, who is president of the Alameda County Chapter, Associated General Contractors and Warren A. Bechtel, Jr., of the W. A. Bechtel Company, 155 Sansome Street, San Francisco.

Southern California members include S. M. Griffith of the Griffith Company, Los Angeles, who is also president of the Southern California Chapter, Associated General Contractors, H. M. Walker of the P. J. Walker Company, Los Angeles, and Lynn S. Atkinson of Los Angeles. The seventh member is B. O. Larsen of San Diego.

According to the announcement from Washington, the personnel of this committee was selected to represent the three major divisions which will later be established under the General Contractors' Code, namely Building Construction, Highway Construction, and Heavy Engineering and Railroad Construction. Full instructions in regard to the steps to be taken by this committee for perfecting its organization ready to function have been received from Washington and Mr. Watson, as temporary chairman, has called a meeting for organization purposes for 10:00 o'clock A. M., Monday, May 7, in Los Angeles. At this meeting, the permanent chairman will be selected, the various committees will be appointed and the by-laws of procedure necessary for the Authority to carry out its duties will be adopted.

Provision will also be made for the setting up of the central administrative office and the designation of the executive personnel to carry on the duties of the State Authority. According to Mr. Booe, it is probable that San Francisco will be designated as the central office under this Authority and provision will be made for the establishment of branch offices in Los Angeles, Oakland, and other important communities.

Under the instructions received, this State agency will immediately become responsible for carrying out the work of registration of contracts and the supervision of the agencies which have already been established thereunder and, in addition, will be charged with the responsibility of establishing bid depositories and such other duties as are provided for under the Code. Immediately following the organization meeting in Los Angeles, announcement will be made as to the executive personnel and the various rules and regulations which will be promulgated to govern procedure before the State Authority.

Mr. Booe said:

"One of the first steps that will be taken by this new Code Authority will be the adjustment of overlapping jurisdictions between the General Contractors' Code and various other subdivisional codes, as well as those of the material producers and others.

"Although definite instructions to this effect have not yet been received from Washington, it is believed that this State Authority for General Contractors will continue to function as the chief administrative agency, even after the establishment of the subdivisional authorities under the three major subdivisions of the industry previously referred to. It is also anticipated that this State Committee will have the selection and confirmation of these subdivisional administrative agencies.

"It is very gratifying to us that in the selection of the personnel of the State Authority, the outstanding work which has been carried on by the local chapters of the Associated General Contractors has been given recognition by reason of the fact that every member of the Committee has been a prominent leader in the work of this organization. In addition, as the national trade association which has sponsored the General Contractors' Code, we feel that a heavy responsibility in its administration and we shall make every effort to see that its provisions are successfully and impartially administered in California."

SAN FRANCISCO APRIL PERMITS TOTAL $496,321

City's Building Volume Declines From March Level

San Francisco building permits for the month of April, reported last night by the Department of Public Works, total $496,321, showing a decline from the previous month and also slightly under the corresponding month of last year.

Fewer permits were issued in April than in either of the comparative months.

Permits for single-family dwellings numbered 17 in April with a value of $41,190, compared with 26 in March valued at $167,760. There were 360 permits for alterations valued at $157,064, compared with 404 in March valued at $230,982.

The value of public works, state, federal and municipal was about the same for the two months.

Following is a comparison of permits classified for the months of April, 1933 and April, 1934:

	April, 1924		April, 1933	
Class.	Pmts.	Cost	Pmts.	Cost
A	.....	$.....	.....	$.....
B	.....	.....	.....	.....
C	5	11,150	4	101,250
Alter.	360	157,064	345	115,504
Frames	17	41,190	63	224,356
Public	5	100,223	2	17,624
Harbor	1	16,897	4	71,145
Govt.	3	169,797	4	8,233
Total	391	$496,321	422	$538,112

PROPOSE BONDS FOR NEW COUNTY JAIL

A proposal to issue bonds for the erection of a new county jail building probably will be submitted to Santa Clara county voters at an election this fall.

The board of supervisors voted to accept a loan and grant of $185,000 from PWA funds for the project. But a bond issue will be necessary to secure the loan, before the money is available. The supervisors originally petitioned for the allocation under the lease-grant provisions offered by the PWA. Allotments under this regulation were stopped due to a change of policy. The grant available is estimated at $43,485, necessitating bonds to the amount of $141,515.

Reports to the Department of Commerce reveal that orders booked for fire-extinguishing equipment of the hand extinguisher type totaled 54,945 for the months of January, February and March, 1934, as compared with 35,461 for the same three months of 1933.

NEVADA LETS TWO CONTRACTS

CARSON CITY, Nev., April 30—Two highway construction contracts were awarded today by the Nevada State Highway Directors as follows:

Isbell Constr. Co., Carson City, for construction of 2285 miles in White Pine County southwest of Ely, $164,300... Second low bidder was Dodge Constr. Co., Inc., Fallon, at $167,984.

Union Paving Co., San Francisco, for construction of 2 miles in the City of Sparks, $119,435. Jack Casson, Hawyard, submitted second low bid at $128,931.

SUPERVISORS FIX S. F. SHOP WAGE SCALE

Payments on Public Works Contracts Determined In Resolution

Wages for shop workers on San Francisco public works contracts have been fixed by the board of supervisors at rates, which the board determines to be the highest general prevailing rates paid in private employment.

The rates will be required for all work undertaken by contract or sub-contract on municipal projects. They are as follows:

METAL TRADES

Shop Rates:	Per Hour
Pattern makers (based on 7-hour day)	$1.16
Molders and coremakers	1.10
Blacksmiths	1.10
Blacksmiths' helpers	.75
Boilermakers	1.10
Boilermakers' Helpers	.75
Machinists	1.10
Machinists' Helpers	.75
Toolmakers	1.10
BUILDING TRADES	
Cabinet workers, Millmen, machine & bench hands (shop)	1.10
Varnishers & polishers (shop)	1.10

AUTHORIZE CONTRACTS FOR PWA ALLOTMENTS

The San Francisco board of supervisors has authorized Mayor Rossi to sign four PWA contracts for funds totaling $18,480,000, the final step toward making available money for improvements authorized by the bond election last November.

The contracts cover loans and grants for raising the O'Shaughnessy dam, $3,500,000; water system extensions, $12,094,859; sewage plants and sewer extensions, $2,625,000; airport improvements $460,000.

21,943 LICENSED CONTRACTORS IN CALIFORNIA NOW

Registration Gains 2000 in Six Months, Registrar Reports

The largest increase in contractors registration in six months is reported during April by Col. Carlos Huntington, state registrar of contractors.

Registrations have reached 21,943, or only 422 less than the total registration in the entire previous fiscal year, Col. Huntington stated.

His report continues:

This is an encouraging sign, and we feel confident that registration will show a substantial increase at the close of the current fiscal year. This is a gain of almost 2,000 registrations in less than six months.

This fact, together with an appreciable gain in the number of complaint cases pending before your Registrar have kept the entire staff of the Contractors' License Bureau working at top speed.

The increased registration and the gain in complaint cases may safely be interpreted as indicative of improved conditions in the state's second largest industry — building and construction. This is particularly true in the matter of increased complaints, as the greater the volume of work that is in progress throughout the state, the larger the number of pending cases.

Of the 21,943 current registrations, 16,862 represent license renewals, 1,049 represent issuance of licenses to delinquent contractors, and 4,032 comprise the new licenses issued since July 1, 1933. This group includes persons not heretofore engaged in the contracting business, or those who are again entering the business after a lapse of a year or more.

MASONS' CODE AIDS MANY UNEMPLOYED

In recommending the recently approved Mason Contractors Code for acceptance as a division of the Construction Industry Code, Administrator Hugh S. Johnson reported that less than one-fifth of the available supply of skilled and unskilled labor in this craft was employed last year.

The NRA estimates that in 1929 there were employed 80,000 skilled masons and 70,000 semi-skilled and unskilled masons' tenders. Of these 150,000 workers, steady work for approximately 27,000 was available during 1933.

Bonneville Spillway Dam Bids To be Opened May 25 at Portland

Bids are to be received at Portland May 25 for construction of the main spillway dam of the Bonneville power and navigation project on the Columbia river, Major C. F. Williams, district engineer, announced yesterday. The project is being constructed by the War Department under PWA appropriations.

Bonneville is located about forty miles east of Portland.

The spillway dam will be of the concrete gravity type consisting of an overflow spillway section with abutments, cutoff walls, wing walls and fishways at either end. The dam will be 1,000 feet long, about 180 feet in maximum total height from bottom of foundation at about elevation -77 to top of roadway girders at elevation plus 99. It will be 165 feet wide with the spillway sill at elevation plus 24 feet, surmounted by piers 75 feet high. The dam will be built in blocks about 40x60 feet in plan, by 5 feet high, formed at the ends to key them together. The resulting contraction joints will be provided with systems of pipes for pressure grouting after shrinkage.

Excavations for the base of the dam will be carried well into solid rock and a cut-off trench will be excavated below the upstream heel. Grout holes spaced not less than 5 feet apart will be drilled in the bottom of this trench to depths of approximately 50 feet, to be grouted after concreting is sufficiently advanced. The excavated trench against the upstream face of the dam will be back-filled with an impervious earth fill. A reinforced concrete apron 100 feet wide will be placed upon the exposed and leveled bedrock at the downstream edge of the spillway deck.

The spillway will be divided into eighteen 50-foot openings by concrete piers. Structural steel vertical lift gates 50-ft. wide by 50-ft. high will be furnished and installed under a separate contract. The bridge over the spillway will consist of three lines of steel truss girders encased in concrete, the two outer girders serving to carry the crane rails. The outer girders and the pier tops will be subjected to special architectural treatment. Each abutment will consist of a concrete wall extended 250 feet up and downstream by reinforced concrete counterfort wing walls. A concrete cutoff wall will extend from each abutment into the river bank. A reinforced concrete fishway structure, either of the lift or ladder type, will be backfilled to the elevation of the roadway deck. Two inspection galleries will run the length of the dam near the upstream and downstream faces respectively at about elevation -30.

Major quantities estimated for the dam structure include 12,000,000 pounds reinforcing steel; 4,900,000 pounds structural steel; 7,500,000 f.b.m. lumber; 800,000 cu. yds. common excavation above water level and 100,000 cu. yds. rock excavation; 500,000 cu. yds. subaqueos excavation common, and 70,000 cu. yds. rock; 500,000 cu. yds. excavation common inside cofferdams and 200,000 cu. yds. rock; 2,000,000 sta. yds. overhaul; backfill 450,000 cu. yds.; rolled fill 400,000 cu. yds.

Cement for the dam will be purchased by the government and delivered to the contractor at the job.

There are fifty items to be bid upon with an alternate of eight items in which the contractor may offer a proposal for different type of cofferdam.

A bid bonds of twenty percent of the sum bid will be required. A performance bond of $1,500,000 is specified.

The construction program proposed contemplates that the entire work shall be completed during 3½ low-water seasons, the main dam structures being completed in two major steps.

In the first low-water season (1934-1935) excavation for channel enlargement shall be made on both shores at the damsite, and the outer portion of the U-shaped cofferdam shall be constructed in the middle of the river.

During the second low-water season (1935-1936) the cofferdam shall be connected with Bradford Island to enclose the south half of the damsite. The south half of the dam shall be built complete, except for diversion solts between the piers. At the close of this season the closing legs of the cofferdam shall be partially removed.

During the third low-water season upstream and downstream closure cofferdams shall be constructed to connect the Washington shore with the river cribs remaining from the work of the first cofferdam

Schedule of items to be bid on Bonneville Dam appears on Page 23 of this issue.

NINE OFFER BIDS ON PORT STOCKTON COTTON COMPRESS

O. H. Chain Low Bidder at at $265,000 For Erection Of Plant

STOCKTON, May 2.—Nine bids were submitted to the Stockton Port Commission tonight on the general contract for construction of a cotton compress and warehouse building, the low figure being that of O. H. Chain, 41 S. Sutter street, Stockton. Chain's bid was $265,000 on the job complete.

Proposals were taken on eleven alternate specifications.

Comparison of bids on the job complete as specified ranks the bidders in the following order. **(Complete tabulation of alternate bids in Advance Report section):**

O. H. Chain	$265,000
C L. Wold, San Francisco	267,737
John Hackman, Stockton	272,000
Campbell Const. Co., Sacto.	276,300
K. E. Paker, S. F.	277,660
L. S. Peletz, Stockton	279,000
Barrett & Hilp, S. F.	286,763
MacDonald & Kahn, S. F.	294,782
Lindgren & Swinerton, San Francisco	307,731

Keen interest in the bidding was evidenced by attendance of contractors and material dealers from cities throughout Central California. The cotton compress is the first unit of a construction program at the port involving expenditure of more than $1,000,000.

The work is financed in part by a PWA grant.

PROMOTIONS FOR THREE ENGINEERS

Several promotions in rank of members of the engineering staff of the California Division of Highways have occurred in the past month.

James G. Standley, who has been acting as Administrative Assistant Engineer on the headquarters staff, has been made Principal Assistant Engineer.

James W. Vickrey, who has been Acting District Engineer of District 1 at Eureka, has been given the full rank of District Engineer and the same honor has been conferred upon R. M. Gillis, who has been Acting District Engineer at Fresno.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
222	General	Cahill	25000
223	Vincent	Vincent	5000
224	Vincent	Vincent	5000
225	Franco	Oliva	1200
226	Matson	Patterson	1500
227	Bothin	Siegrest	3900
228	Anglo	Barrett	1800
229	Isaac	New	1500
230	Garrett	Owner	2500

BOTTLING PLAN
(222) CARROLL AVE. AND NEWhall St. One-story and basement Class B bottling plant.
Owner—General Brewing Corp., 2601 Newhall St., San Francisco.
Architect — Frederick H. Meyer, 525 Market St., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco. $25,000

FLATS
(223) SW BEACH AND AVILA STS. Two-story and basement frame flats (2 families).
Owner — Da Mazza Vincent, 200 Cervantes St., San Francisco.
Architect—Not Given.
Contractor — Da Mazza Vincent, 200 Cervantes St., S. F. $5000

FLATS
(224 SW BEACH AND AVILA STS. Two-story and basement frame flats (2 families).
Owner — Da Mazza Vincent, 200 Cervantes St., San Francisco.
Architect—Not Given.
Contractor—Da Mazza Vincent, 200 Cervantes St., S. F. $5000

DWELLING
(225) NO. 686 HAMPSHIRE ST. Stucco front of dwelling.
Owner—D. Franco, Premises.
Architect—Not Given.
Contractor—Victor Oliva, 2160 Bryant St., San Francisco. $1200

SHOP BLDG.
(226) W BRYANT 100 E Beale St. One-story steel shop building.
Owner — Matson Navigation Co., 54 Bryant St., San Francisco.
Architect—Not Given.
Contractor—Patterson & Koster Iron Works, 280 13th St. $1500

ALTERATIONS
(227) NO. 604 MISSION ST. Alter offices.
Owner—Bothin Realty Co., Premises.
Architect — Bertz, Winter & Maury, 691 Market St., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., S. F. $3900

ALTERATIONS
(228) NO. 2238 HYDE ST. Alterations to apartments.
Owner—Anglo California Securities, 1 Sansome St., San Francisco.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $1800

FLUES
(229) E FILLMORE ST. 100 & 135 S Marina Blvd. Nine terra cotta flues.
Owner—H. Isaac, 1738 Page St., San Francisco.
Architect—Not Given.
Contractor—New Mission Sheet Metal Works, 3401 Mission St., San Francisco. $1500

REPAIRS
(230) NO. 1610 HARRISON ST. Repair fire damage to warehouse.
Owner—T. F. Garrett, 862 Folsom St., San Francisco.
Architect—Not Given. $2500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
187	Felice	Green	12000
188	Mulvihill	Sexton	3500
189	Lanella	Beckett	3500
190	Nucleus	Owner	2000
191	Gallagher	Van Aalst	1700
192	Shemanski	Pfeiffer	2000
193	Davin	Watson	2400
194	Syndicate	Campomenosi	6850
195	Stuart	Parks	1500
196	Taylor	Stolte	12000
196	Schmidt	Owner	6500
197	Rosenberg	Herschel	1117
198	Scammell	Owner	4000

DWELLING
(187) NO. 641 THE ALAMEDA, **BERKELEY.** Two-story 10-room frame dwelling.
Owner—G. A. Felice, 449 Key Blvd., Richmond.
Architect—L. F. Hyde, 705 25th St., Oakland.
Contractor—Herbert Green, 802 Cerrito St., Albany. $12,000

DWELLING
(188) NO. 645 JEAN ST., **OAKLAND.** One-story 5-room dwelling.
Owner—Mary Mulvihill, 6100 Taft Ave. Oakland.
Architect—Not Given.
Contractor—J. Sexton, 6100 Taft Ave., Oakland. $3500

April 27, 1934

BOWLING ALLEY
(189) NO. 1392 FIFTEENTH STREET, **OAKLAND.** One-story bowling alley.
Owner—Joe Lanella, 15th and Cypress Sts., Oakland.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $3500

ALTERATIONS
(190) 3425-29 TELEGRAPH AVE., **OAKLAND.** Alterations and repairs.
Owner—Nucleus Bldg. & Loan Assn., 6 N-First St., San Jose.
Architect—Not Given. $2000

ADDITION
(191) NO. 5700 MORSE DRIVE, **OAKLAND.** Two-story addition.
Owner—P. E. Gallagher, Premises.
Architect—Not Given.
Contractor—M. Van Aalst, 2039 34th Ave., Oakland. $1700

STORE
(192) NO. 2414 E-FOURTEENTH ST. **OAKLAND.** One-story brick store
Owner—F. Shemanski, 1017 Market St., San Francisco.
Architect — R. C. Schuppert, Park Blvd., Oakland.
Contractor — The Pfeiffer Co., 6221 Braomley St., Oakland. $2000

BUILDING
(193) NO. 4011 E-FOURTEENTH ST. **OAKLAND.** One - story brick building.
Owner——Pierre Davin, Rt. 4, Box 421, Bakersfield.
Architect—Not Given.
Contractor—W. Watson, 4750 Meldon Ave., Oakland. $2400

DWELLING
(194) E ASCOT DRIVE, LOT 2733, **OAKLAND.** Two-story six-room dwelling.
Owner—Syndicate Idora Co., 12th and Broadway, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor — E. Campomenosi, 6401 Broadway Terrace, Oakland. $6850

ADDITIONS
(195) NO. 807 SAN LUIS ROAD, **BERKELEY.** Additions.
Owner—C. R. Stuart, Premises.
Architect—Not Given.
Contractor—R. F. Parks, 1046 Peralta Ave., Oakland. $1500

DWELLING
(196) NO. 511 HAMPTON ROAD, **PIEDMONT.** Two-story 8-room dwelling.
Owner — Dr. Edwin M. Taylor, 230 Grand Ave., Piedmont.
Architect—Not Given.
Contractor—F. C. Stolte, 3455 Laguna St., Oakland. $12,000

DWELLING
(196) NO. 1808 LEIMERT BLVD., **OAKLAND.** Two-story nine-room dwelling.
Owner—Geo. Schmidt, 2543 21st Ave., Oakland.
Architect—Not Given. $6500

INCINERATOR
(197) FOOT OF FOURTEENTH ST., **OAKLAND.** Brick incinerator.
Owner—Rosenberg Bros., Premises.
Architect—Not Given.
Contractor—Herschel & Reincke, 830 E-11th St., Oakland. $1117

DWELLING
(198) NO. 1669 E-THIRTY-EIGHTH St., **OAKLAND.** One-story six-room dwelling.
Owner — J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
50	Bothin	Ciegrist	3947
51	Doll	Pacific	3705
52	Pacific	Acoustical	99.90

ALTERATIONS
(50) NO. 604 MISSION ST., Atlas Building. Job No. 1473.
Owner — Bothin Real Estate Co., 604 Mission St., San Francisco.
Architect — Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.
Filed Apr. 30, '34. Dated Apr. 27, '34.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3947
Bond, $3872. Surety, U. S. Fidelity & Guaranty Co. Limit, 35 working days Forfeit, none. Plans and specifications filed.

ELEVATOR
(51) NO. 310 SUTTER ST. All work for installation of electric elevator in building.
Owner—Mrs. Sophie Doll, 36 Broderick St. and Mrs. Juanita Doll, 1264 8th Ave., San Francisco.
Engineers—Hunter & Hudson, 41 Sutter St., San Francisco.
Contractor—Pacific Elevator & Equipment Co., 45 Rausch St., S. F.
Filed May 1, '34. Dated April 26, '34.

Completed and accepted.....$2779
Usual 35 days..... 926
TOTAL COST, $3705
Bond, $2000. Surety, Pacific Indemnity Co. Limit, Commence July 16; complete August 20, 1934. Forfeit, $15 per day for work uncompleted. Plans and specifications filed.

ALTERATIONS
(52) NO. 140 NEW MONTGOMERY. Construction and completion of one 1-inch Quietile No. 80 to west wall surface in room 819 of Telephone building.
Owner—Pacific Telephone & Telegraph Co., 444 Bush St., San Francisco.
Architect—Not Given.
Contractor — Acoustical Engineering Co., San Francisco.
TOTAL COST, $99.90
Bond, $99.90. Surety, Pacific Indemnity Co. Limit, forfeit, plans and specifications, none.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
32	S F Sulphur	Steel	3800

STORAGE BIN
(32) BERKELEY. All work for steel storage bin.
Owner — San Francisco Sulphur Co., Heinz and Seventh St., Berkeley.
Architect—Henry S. Howard, 1801 Bk. of America Bldg., Oakland.
Contractor—Steel Tank & Pipe Co., 1100 4th St., Berkeley.
Filed Apr. 27, '34. Dated Apr. 26, '34.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3800
Bond, none. Limit, 21 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER store, $300; 48 Waverly St.; owner Wong, 823 Clay St.; contractor, Shang Git Co, 145 Waverly St.

STUCCO flats and store, $200; 3800 Mission St.; owner, Louis Mazzera, 4277 Mission St.

BILLBOARD, $6.25; N Turk 208 E Arguello Blvd.; owner, Foster & Kleiser, 1675 Eddy St.

FLUES (5) terra cotta, $85; N Jefferson 125 E Fillmore St.; owner, H. Isaac, 1738 Page St.; contractor, New Mission Sheet Metal Works, 3401 Mission St.

ADD to dwelling, $300; 43 Lower Terrace, $300; owner, Clack, Prem.

SIGN, electric, $80; 2374A Mission St.; owner, Cut Rate Liquor Store, Premises; contractor, Laib, 7th and Folsom Sts.

ALTER dwelling, $100; 3328 21st St.; owner, P. B. McThee, 3324 21st.

ALTER dwelling, $485; 125 Wolf St.; owner, Theodore Steffler, Prem.

ALTER flats, $150; 1490 Jackson St.; owner, F. Lipvester, Premises.

BILLBOARD, $12.50; NW Fourth and Clementina Sts.; owner, Foster & Kleiser, 1675 Eddy St.

BARBER pole, $10; 301A Third St.; owner, F. Lazada, Premises; contractor, W. H. Kirsten, 55 McAllister St.

ALTER dwelling, $200; 1119 Gerard; owner, G. Pucci, Premises; contractor, S. A. Giusti & Co., 200 Green St.

ALTER dwelling, $250; 260 Santa Rosa Ave.; owner, B. Capurro, Prem.; contractor, D. C. McCabe, 430 Call Bldg.

SIGN, electric, $395; 675 Market St.; owner, N. J. Fulop, 675 Market; contractor, Wonderlite Neon Prod. Co., Ltd., 170 Otis St.

SIGN, electric, $75; 169 Jefferson St.; owner, Cincotta Bros., Premises; contractor, Laib, 7th and Folsom.

ALTER apartments, $900; 2090 Pacific Ave.; owner, Bargene Realty Co., Ltd., 377 Monadnock Bldg.; architect, Chas. E. J. Rogers, Phelan Bldg., engineer, J. M. Smith, 251 Kearny St.

ALTER dwelling, $45; 2217 Van Ness; owner, A. Schroeter, 1624 Vallejo

ALTER bottling Plant, $450; 650 2nd St.; owner, Hiram Walker & Sons, Inc., 650 Second St.; contractor, G. Wagner, 181 South Park.

ALTER store, $50; 536 Pacific Ave.; owner, W. Nestori, 536 Pacific Ave contractor, R. Faliotti, 200 Cervantes Blvd.

ALTER restaurant, $200; 298 Sixth St. owner, P. Gofas, 298 6th.

SIGN, electric, $300; 482 Castro St.; owner, A. & D. Tavern, Premises contractor, Pioneer, 128 Market.

SIGN, electric, $150; 4092 18th St.; owner, A. Kingberger, 4092 18th St.; contractor, Pioneer, 128 Market St.

ALTER store, $700; 1937 Irving St.; owner, J. L. Bernhard, Premises; engineer, S. S. Gorman.

ALTER store, $35; 956 Mission St.; owner, J. D. Fabris, 1444 Ulloa St.

BILLBOARD, $6.25; SE Geary and Fifth Ave.; owner, Foster & Kleiser, 1675 Eddy St.

ALTER library, $45; 847 Divisadero; owner, L. A. Veeder, 860 Oak St.

FLUE, (1) patent, $20; N Galvey, 50 E Coleman; owner, Lincoln Chuck, 656 Jackson St.; contractor, N. Abend, 1482 Ellis St.

SIGN, electric, $250; 4700 Geary St.; owner, Geary Blvd. Garage, Prem. contractor, Pioneer, 128 Market.

SIGN, electric, $390; 2024 Mission St.; owner, Dublin Inn, 2024 Mission; contractor, Brumfield Elec. Sign Co., 2024 Mission St.

ALTER store, $500; 1591 Jackson St.; owner, Bothin Realty Co., 604 Mission St.; contractor, Young & Horstmeyer, 461 Market St.

BILLBOARD, $6.25; S Pacific 101 W Columbus Ave.; owner, Foster & Kleiser, 1675 Eddy St.

BILLBOARD, $18.75; E Mission 170 S 14th St.; owner, Foster & Kleiser, 1675 Eddy St.

BARBER pole, $25; 5847 Geary St.; owner, Claremont Barber Shop, 5847 Geary St.; contractor, Aetna Elec. Co.; 1435 Eddy St.

BILLBOARD, $6.25; N Pacific 113 E Jones St.; owner, Foster & Kleiser 1675 Eddy St.

BILLBOARD, $6.25; S Chestnut 205 W Octavia St.; owner, Foster & Kleiser, 1675 Eddy St.

SIGN, cloth, $25; 1423 Polk St.; owner, The Fugy Co., 330 Grant Avenue; contractor, Louis Gootherts, 2334 29th Ave.

ALTER dwelling, $200; 1111 Phelps St. owner, F. Galia, Premises; contractor, J. Yrigoyen, 1746 McKinnon St.

ALAMEDA COUNTY UNDER $1000

DWELLING, one-story 3-room, $500; 3111 Robinson Drive, Oakland; owner, T. H. Boyd, 3551 Joaquin Miller Road.

SIGN, electric, $150; 150 12th St., Oakland; owner, Robt. DeAndre; contractor, Elec. Prod. Corp., 950 30th St.

SIGN, electric, $475; 2723 San Pablo Ave., Oakland; owner, Rialto Theatre; contractor, Ace Electric sign Co., 1243 E-12th St.

ALTERATIONS, $49; 436 14th St., Oakland; owner, Central Bank of Oakland, 14th and Broadway.

ROOF tower, $240; 950 56th St., Oakland; owner, Dry Fruit Products Corp., 950 56th St.

FIRE repairs, $111; 23 8th St., Oakland; owner, Geo. R. Boorman, 35 8th St.; contractor, A. H. Rose, 478 25th St.

ALTER garage, $50; 743 Alma Ave., Oakland; owner, F. E. Gillam, 743 Alma Ave.

ALTERATIONS, $57; 605 Washington St., Oaklind; owner, J. Donshick, Premises; contractor, Webb & Whalin.

SHED, one-story, $50; 1185 Ocean Ave., Oakland; owner, Joe Giochetto, 1209 Derby St., Berkeley.

SIGN, electric, $150; 65 12th St., Oakland; owner, Jos. Peirotti & Son; contractor, QRS Neon Corp., 690 Potrero Ave., San Francisco.

SIGN, electric, $95; 9215 E-14th St., Oakland; owner, Nick's; contractor, Ace Elec. Sign Co., 1243 E-12th St.

ADDITION, $200; 2012 89th Ave., Oakland, owner, Fred Buehler, 2012 89th Ave.

FIRE repairs, $550; 2223 E-24th St., Oakland; owner, L. R. A. Davis, 354 Hobart St.; contractor, C. D. DeVelbiss, 354 Hobart St.

ALTERATIONS, $250; 1729 University Ave., Berkeley; owner, J. J. Sullivan, Premises.

ALTERATIONS, $198; 1814 Marin Ave., Berkeley; owner, D. E. P. Rankin, 1814 Marin Ave.; contractor, New Art Roofing Co., 1307 Fruitvale Ave., Oakland.

BILLBOARD, $25; N Foothill Blvd. 40 W Congress Ave., Oakland; owner, Foster & Kleiser, 22nd and Market Sts.

BILLBOARD, $75; S Hopkins 101 E High St., Oakland; owner, Foster & Kleiser, 22nd and Market Sts.

BILLBOARD, $50; E Fruitvale Ave. 100 N Farnum St., Oakland; owner, Foster & Kleiser, 22nd and Market.

SHED, one-story, $40; 2741 Humboldt Ave., Oakland; owner, C. G. McCaslin, 2737 Humboldt Ave.

WRECK building, $100; 621 19th St., Oakland; owner, Austin Realty Co. contractor, Cecil King, 1074 Talbot Ave., Albany.

ALTERATIONS & repairs, $250; 2827 Coolidge Ave., Oakland; owner, The Capital Co., 12th and Broadway; contractor, W. S. Wheeler, 4001 Elston Ave.

ALTERATIONS, $150; 6031-35 Adeline St., Oakland; owner, Berthan C. Gault, 6027 Grove St.

ALTERATIONS, $350; NW 12th and Madison Sts., Oakland; owner, Bushnell Estate, Tribune Bldg.;

Phone TRinity 0241 for — Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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Offices
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2— BONDS

BONDS FOR SALE

SOUTH SAN FRANCISCO, San Mateo Co., Calif.—South San Francisco High School District will sell bonds in the amount of $75,000 on May 14. Funds are to finance construction of a one-story reinforced concrete high school annex, to contain six classrooms and assembly hall, for the South San Francisco High School District. E. L. Norberg, 407 Occidental Avenue, Burlingame, architect.

TO SELL BONDS

OAKLAND, Calif.—Until May 25, 10 A. M., bids will be received by the Directors of Joint Highway District No. 13, 1448 Webster St., Oakland, for the purchase of $2,378,000 in bonds of the district. Interest rate is to be fixed by bidders. The bond proceeds, together with Federal and State grants will finance construction of the Broadway tunnel.

Estimated cost, $3,752,000. Bids on the contract will be asked shortly. Wallace B. Boggs, chief engineer.

3— CHURCHES

April 28, 1934

Construction Under Way.

CHURCH Cost, $5500
YUBA CITY, Sutter Co., Cal.
One-story wood frame church building (to seat 230) shingle roof, etc.
Owner—New Baptist Church (Rev. E. L. Allen, Pastor).
Architect — Chas. Dean, California State Life Bldg., Sacramento.
Work is being done by day's labor. (4..396)

Plans Being Figured—Bids Close May 9, 12 Noon.

ALTER CHURCH Cost, $——
SAN RAFAEL, Marin Co., Calif.
Alterations to church.
Owner—First Church of Christ Scientist.
Architect — Albert Evers, 525 Market St., San Francisco.
Young & Horstmeyer, 461 Market St. San Francisco, are figuring the plans and desire sub-bids on all portions of the work.

4— FACTORIES & WAREHOUSES

Plans Being Figured—Bids Close May 7th.

WINERY Cost, $125,000
LODI, San Joaquin Co., Cal. 10-acre site.
One-story co-operative winery (reinforced concrete construction) capacity of 10,000 tons of grapes.
Owner—East Side Winery (E. J. Mettler, Herman L. Laure., Ed. Pressler, J. R. Wiederich, A. Nies, K. Kurtz, Herman Vollbrecht, Directors).
Plans by E. T. Meakin, California Press Mfg. Co., 1800 Folsom St., San Francisco.

Commissioned To Prepare Plans

WINERY & OFFICES Cost, $100,000
AMPERE, San Joaquin Co., Calif.
One-story winery (170x260 ft.) and 1-story frame office building (type of construction not determined) 750,000 gal. capacity.
Owner—Bear Creek Winery & Vineyard Assn. (L. K. Marshall, Gottfried Handel, Jos. Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Frank Mayo, 108 E. Miner St., Stockton.

Structural Steel Contract Awarded

PLANT Cost, $150,000
MADERA, Madera Co., Calif. 1120-Acre Site.
One-story steel frame fabricating plant (300x128 ft.) sheet metal, machinery, etc.
Owner—Kingsalnd Granite Co. (William A. Hubbard, Vice-President) Rowell Bldg., Fresno.
Plans by Engineering Dept. of Owner.
Structural Steel — International Steel Co., Evansville, Ind.
Erection of Structural Steel—G. J. Anderson, Premises.
Bids are now being taken by Mr. Hubbard on railroad spur track, well drilling and electrical work.
As previously reported, foundations, carpentry work and roofing contracts awarded to Robt W. Brown, 124 High St., Madera.

CONTRACT AWARDED

HUMBOLDT and Del Norte Counties, Cal.—Theo. Johanns, 2020 15th St. San Francisco, at $10,890 awarded contract by State Department of Public Works, Sacramento, for the construction of maintenance buildings in Humboldt and Del Norte Counties as follows:

One standard truck shelter (Valley type, 30x60 feet) at Orick.

One standard truck shelter (Valley type, 30x60 feet) at Klamath.

One standard truck shelter (Valley type, 30x60 feet) at Crescent City.

Work includes excavation, concrete, masonry work, carpentry, mill work, sheet metal work, painting, glazing, plumbing and electrical installations.

Sub-contracts have been awarded as follows:

Cement — Yosemite Portland Cement Co., Alaska Commercial Bldg., San Francisco.
Reinforcing Steel—W. C. Hauck & Co., 280 San Bruno Ave., San Francisco
Miscellaneous Iron — Industrial Ornamental Iron Bronze & Wire Works 552 Noe St., San Francisco.
Painting—A. W. Stoneback, 2020 15th St., San Francisco.

To Ask Bids In Two Weeks

LUBRICATING PLANT Cost, $20,000
RICHMOND, Contra Costa Co., Calif. Parr Terminal.
Lubricating plant (oil storage facilities for distribution of lubricating oils, with 15,000 lbs. storage capacity, galvanized tanks, 12-14-gauge, etc.)
Owner—Penant Oil & Greace Co. (E. H. Haserot, President) Santa Fe Ave., Los Angeles.
Plans by Engineering Dept. of Owner. Bids will be asked in about 2 weeks by E. H. Haserot, who will probably make his headquarters at the Leamington Hotel, 19th and Franklin Sts., Oakland.
As previously reported fill contract awarded to E. H. Higgins, 2 Sixth St., Richmond.

Contract Awarded.

WAREHOUSE, ETC. Cost, $——
MODESTO, Stanislaus Co., Cal. Ninth and Tenth Sts.
One-story concrete and brick warehouse (70x140 feet), and one-story concrete garage (50x140 ft.)
Owner—Milk Producers Assn. of Central California, 540 S. Pilgrim St., Modesto.
Plans by Wieland Bros.
Contractor—Wieland Bros., 401 Virginia St., Modesto.

Contract Awarded

ALTER BREWERY Cost, $——
BAKERSFIELD, Kern Co., Cal. 1814 M Street.
Alterations to Harmant building for distributing plant (cold storage plant, etc.)
Owner—Yosemite Brewing Company.
Contractor—Geo. Ventura, 287 Howard St., Fresno.

To Ask Bids In One Week

WAREHOUSE Cost, $200,000
OAKLAND, Alameda Co., Cal. Outer Harbor, foot of 14th Street.
Two - story reinforced concrete warehouse (518x101 ft.) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors, hydraulic elevator, 520 ft. of railroad track, etc.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Bros., Oakland.

Contemplated

ADDITION Cost, $——
OAKLAND, Alameda Co., Calif. Oakland Waterfront.
Addition to west end of plant.
Owner—Albers Bros. Milling Co., west end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Proposed work is in very preliminary stage.

To Ask Bids Within A Few Days.

FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner — Channel Pie Co., 3566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Contract Awarded

GRAIN ELEVATOR Cost, $57,500
OAKLAND, Alameda Co., Calif. Oakland Waterfront.
Seven-story reinforced concrete grain elevator (200,000 bushel capacity; 40x90 feet) sprinkler system, piling excavation, etc.
Owner—Albers Bros. Milling Co., west end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Contractor — Jones Hettelsater Const. Co., 600 Mutual Bldg., Kansas City Missouri.
As previously reported, excavation and piling awarded to Healy-Tibbitts Const. Co., 64 Pine St., San Francisco.

STOCKTON, Cal.—Complete bids on Port of Stockton cotton compress, opened May 2, see tabulation Page 27.

Plans Being Completed
REMODEL BREWERY $150,000
SAN FRANCISCO. No. 240 Second St.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building, new bottling line, remodel bottling house.
Owner — Wieland Brewery (Walter Metzenbaum), 240 Second St., San Francisco.
Engineer — Herman Noethit, 240 Second St., San Francisco.
Bids will be asked in about ten days.

To Take Sub-Bids.
REMODEL BLDG. Cost, $——
PETALUMA, Sonoma Co., Cal. Western Avenue.
Remodel building for creamery; reinforced concrete construction, structural steel, electric work, tile, plumbing, steel sash, etc., (7500 sq. feet floor space) new creamery equipment, cooling syseem, etc.)
Owner — Petaluma Co - Operative Creamery, Petaluma.
Architect—Not Given.
Contractor—Walter Singleton, 501 4th St., Petaluma.
Sub-bids will be taken on reinforcing and structural steel shortly.

Sub-Contracts Awarded.
REMODEL Cost, $7000
SAN FRANCISCO. Sixteenth and Alabama Streets.
Remodel interior of factory (work includes concrete work, miscellaneous iron, wood partitions, plastering, tile work, etc.)
Owner—Lyon-Magnus, Inc., Premises.
Architect—Albert Roller, Crocker 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Electric—Chas. Langlais, 472 Tehama St., San Francisco.
Plumbing—Frank J. Klimm, 456 Ellis St., San Francisco.
Sprinkler System—H. C. Reid, 389 Clementina St., San Francisco.

Contract Awarded
BOTTLING PLANT Cost, $25,000
SAN FRANCISCO. Carroll Ave. and Newhall St.
One-story and basement Class B bottling plant.
Owner—General Brewing Corp., 2601 Newhall Street.
Architect—Fred. Meyer, 525 Market.
Engineer—C. H. Snyder, 251 Kearny.
Contractor—Cahill Bros., 206 Sansome.

Plans Being Prepared.
MILL Cost, $500,000
PORT ALBERNI, Vancouver Island.
Construct new saw mill (capacity of 130,000 feet of lumber daily).
Owner — Bloedel, Stewart & Welsh Lmbr. Mills (J. H. Bloedel, Pres.) Port Alberni, Vancouver.
Architect—Not Given.

Planned
WINERY Cost, $40,000
FLORIN, Sacramento Co., Calif.
Construct new winery (capacity of 100 tons of grapes per day).
Owner—Florin Winery Assn. (G. W. Fell, Mgr.) Florin.
Architect—Not Given.
Incorporation papers have been filed with the Secretary of State. Directors of the new concern are: C. B. Feil, J. M. Brown, Benjamin Thomas, Wm. Jenkins and W. E. Booth, all of Florin.

Contract Awarded
PREPARING PLANS
RIVERSIDE, Riverside Co. Cal.—Architect Albert C. Martin, 228 Higgins Bldg., Los Angeles, is preparing working drawings for a walnut packing house to be erected in Riverside for the Riverside Walnut Growers' Assn., to replace the building destroyed by fire March 15. It will be a one-story and basement structure, 75x110 feet in area; concrete foundations, wood frame construction, metal lath and plaster exterior, composition roofing, maple floors, bins, plumbing etc. Plans wil go out for bids about May 10 and will be available to Riverside contractors only.

SHOP Cost, $2000
SAN FRANCISCO. W Bryant St. 100 E Beale St.
One-story steel shop building.
Owner—Matson Navigation Co., 54 Bryant Street.
Architect—Not Given.
Contractor—Patterson & Koster Iron Works, 280 13th St.

Contract Awarded
STEEL BIN Cost, $3800
BERKELEY, Alameda Co., Calif. 7th and Heinz Streets.
One-story steel storage bin.
Owner—San Francisco Sulphur Company, Heinz and 7th Sts., Berkeley.
Architect—Henry Howard, Bank of America Bldg., Oakland.
Contractor—Steel Tank & Pipe Co., 1100 4th St., Berkeley.

Plans Being Prepared
WINERY Cost, $75,000
SAN FRANCISCO. Foot of Broadway.
Concrete or brick winery.
Owner—Corp. Now Being Formed.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Further details will be announced shortly.

To Be Done By Day's Work.
SHED Cost, $8000
WAWONA, Mariposa Co., Cal. Yosemite Valley.
One-story wood frame equipment shed (20x75 feet) shingle roof, concrete floors, etc.
Owner—U. S. Government, National Park Service.
Plans by National Park Service, 525 Market St., San Francisco.
Work will be done by day's labor under the supervision of the Park Superintendent.

5— FLATS

April 27, 1934
To Be Done By Day's Work
FLATS Cost, $6,000 each
SAN FRANCISCO. SW Beach and Avila Streets.
Two 2-story and basement frame and stucco flats (2 flats).
Owner and Builder—De Mazza Vincent, 200 Cervantes Blvd.
Architect—Not Given.

Construction Under Way
FLATS Cost, $10,000
SAN FRANCISCO. W Webster St. 75 S Jefferson Street.
Two - story and basement frame and stucco flats (2 flats).
Owner & Builder—Ben Liebman, 5473 Geary Street.
Architect—R. R. Irvine, 1849 Chestnut Street.

6— GARAGES & SERVICE STATIONS

Construction Under Way
SERVICE STATION Cost, $5500
EUREKA, Humboldt Co., Calif. 7th and E Streets.
Construct new service station.
Owner—Cloney & Gosselin, 4th and H Sts., Eureka.
Architect—Not Given.

Plumbing Contract Awarded
SERVICE STATION Cost, $7000
OAKLAND, Alameda Co., Calif. 4395 Piedmont Avenue.
One-story steel service station.
Owner—General Petroleum Corp., Parr Terminal, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Plumbing—J. R. Pierce, 7109 E 14th St. Oakland.
As previously reported, grading contract awarded to Worden & Forsythe, 264 Sybil Ave., San Leandro; steel fabrication to Independent Iron Works, 821 Pine Street, Oakland; electric to F. Schmidts, 420 Moss Ave., Oakland.

Contract Awarded.
SERVICE STATION Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. Pacific Ave. and Carthcart St.
Super service station.
Owner—Gilmore Oil Co., Third and 15th Sts., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service, 646 Park Ave., San Jose.

7—FEDERAL BUILDING

Sketches Completed
POST OFFICE Cost, $55,000
LODI, San Joaquin Co., Calif.
One-story and basement Class A brick and steel post office building (60x 100 ft.) flat roof, brick and terra cotta front, steam heating system.
Owner—United States Government.
Architect—S. Heiman, 605 Market St., San Francisco.
Sketches have been forwarded to Washington for approval.

LOW BIDDERS
FORT PECK, Montana. — Johnson, Drake & Piper, Minneapolis, Minn., submited low bid to U. S. Engineer, Kansas City, at $738,612, for construction of buildings included in group No. 2, consisting of a permanent administration building, permanent residences temporary public buildings and industrial buildings, at the site of the proposed construction camp at Fort Peck Dam, approximately 25 miles southeast of Glasgow, Mont. Frazier, Davis Const. Co. and Wm. MacDonald Const. Co., both of St. Louis, submitted a combined bid of $791,343, and B. F. Haglin, Co., Minneapolis, bid $842,857.

ADDITIONAL SUB-CONTRACTS AWARDED
SAN FRANCISCO.—A. Nelson, 242 Ocean Ave., awarded the following additional sub - contracts for the construction of a Marine Repair Shops building with utilities at Fort Mason. Cost, $90,000:
Interior Tile—Mangrum Holbrook Co., 1235 Mission St.
Plastering—Lee Nix, 4127 Kirkham St.
Asphalt Tile—J. E. Higgins Lbr. Co., 423 Sixth Street.
Ornamental Iron—Rincon Iron Works, 55 Sterling St.
Other awards reported April 17.

BIDS WANTED
SAN FRANCISCO.—Until May 9, 10 A. M., bids will be received by Port Quartermaster, Fort Mason, for installing oil burner in Quarters No. 4-South, Fort Mason. Specifications are available from above office upon deposit of $5.00.

Additional Sub Contracts Awarded.
HAMILTON FIELD, Marin Co., Cal. —Meyer Const. Co., 727 Portola Drive, San Francisco, awarded the following sub-contracts for the construction of nine one-story bungalow type, hollow tile company officers quarters at Hamilton Field. Cost, $88,045.
Window—Soule Steel Co., 1750 Army St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Roofing Tile—C. L. Frost, 2286 El Camino Real, Palo Alto.

Interior Tile—Albert Cook, 334 Claremont Blvd., San Francisco. (The address of Mr. Cook was previously given as 1216 Powell St., which was in error).

As previously reported, grading contracts awarded to Robert A. Farish, 14 Pinehurst Way, San Francisco; concrete to Basalt Rock Co., 900 8th St., Napa; reinforcing steel and steel windows to Soule Steel Co., 1750 Army St., San Francisco.

BIDS OPENED

HAMILTON, FIELD, Marin Co., Cal.—Frank J. Reilly, 6350 Fulton Street, San Francisco, at $3,241.00 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the construction of one concrete swinging compass base at Hamilton Field.

Following bids received:

Frank J. Reilly, San Francisco	$3,241
Louis Lambretti, Mill Valley	3,450
Frank J. Main, Fairfax	3,461
F. J. Early, Jr., San Francisco	3,890
N. M. Ball, Porterville	3,980
DeLuca & Son, San Francisco	4.145
Vincent Maggio, San Jose	4,370

Bids held under advisement.

BIDS WANTED

SAN FRANCISCO, Cal.—Until May 22, 2 P. M., bids will be received by Treasury Dept., Procurement Division, Public Works Branch, Washington, D. C., for furnishing and installing interior lighting fixtures in the Federal Office Bldg. at San Francisco. Plans and specifications available from above office.

BIDS OPENED

ALCATRAZ ISLAND, Cal.—Following bids received by Warden, Alcatraz Island, for the construction of three guard towers and walkways at Alcatraz Island.

(1) Wood frame construction.
(2) Alternate proposal for item 1.
(3) Steel frame construction.
(4) Alternate proposal for item 3.

Frank J. Reilly	(1)	$ 4,431
	(2)	4,791
	(3)	10,931
	(4)	1,481
Webster Jeffreys	(1)	5464
	(2)	5,800
Albert H. Siemer	(1)	5,490
	(2)	6.000
	(3)	12,000
	(4)	.....
Fred J. Early Jr.	(1)	6,243
	(2)	6,397
	(3)	8,169
	(4)	1,750
Young & Horstmeyer	(1)	6,698
	(2)	6,950
	(3)	11,840
	(4)	1,700
Thomas Jones	(1)	6.731
	(2)	7,226
	(3)	.....
	(4)	1,710

BID OPENING DATE POSTPONED

MARYSVILLE, Yuba Co., Cal.—Until May 15 (date postponed from May 1) bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for insect screens to be installed in the Marysville Post Office. Plans may be obtained from above office or from the Custodian of the building.

ADDITIONAL SUB-CONTRACTS AWARDED

HAMILTON FIELD, Marin Co., Cal.—Meyer Const. Co., 727 Portola Drive, San Francisco, awarded the following sub-contracts for the construction of nine one-story bungalow type, hollow tile company officers quarters at Hamilton Field. Cost, $88,045.

Windows—Soule Steel Co., 1750 Army St., San Francisco.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Roofing Tile—C. L. Frost, 2286 El Camino Real, Palo Alto.

Interior Tile—Albert Cook, 1216 Powell St., San Francisco.

As previously reported, grading contract awarded to Robert A. Farish, 14 Pinehurst Way, San Francisco; concrete to Basalt Rock Co., 900 8th St., Napa; reinforcing steel and steel windows to Soule Steel Co., 1750 Army St., San Francisco.

Plans Being Completed.

UTILITY BLDG. Cost, $117,900

YOSEMITE VALLEY, Merced Co.

One-story fire proof utility building (concrete walls and floors, structural steel frame, hollow tile dividing walls).

Owner — United States Government (National Park Service).

Plans by E. M. Hilton, Park Engineer, Yosemite National Park.

Bids will be asked in about two weeks.

BIDS OPENED

ALCATRAZ ISLAND, San Francisco Bay.—Following bids received by the Warden, Alcatraz Island, for approximately 1000 lineal feet of open wire fencing and 93 window guards at Alcatraz Island:

(1) 8-ft. fencing;
(2) 10-ft. fencing;
(3) add for each additional lin. ft. of 8-ft. fencing;
(4) do for each 10-ft. additional;
(5) end posts for 8-ft. fence;
(6) end posts for 10-ft. fence;
(7) corner posts for 8-ft. fence;
(8) corner posts for 10-ft. fence;
(9) wire window guards;
(10) barbed wire, per lin. ft.

Wickwire Spencer Co., (1) $7247 (2) $7895 (3) $3.94 (4) $4.44 (5) $11.70 (6) $13.10 (7) $15.40 (8) $17.10 (9) $550 (10) $2.13.

Michel & Pfeffer Iron Works, (1) $7390 (2) $8053 (3) $4 (4) $4.50 (5) $11.70 (6) $13.10 (7) $15.40 (8) $17 (9) $474 (10) $2.17.

Anchor Post Fence Co., (1) $7687 (2) $8375 (3) $4.16 (4) $4.65 (5) $11.70 (6) $13.10 (7) $15.40 (8) $17 (9) $550 (10) $2.20.

Pittsburg Steel Co., (1) $7840 (2) $8,542 (3) $4.20 (4) $4.73 (5) and (6) .... (7) $15.40 (8) $17 (9) $575 (10) $2.18.

Stewart Iron Works, (1) $8300 (2) $8990 (3) $4.40 (4) $5 (5) $13.10 (6) $13.10 (7) $17 (8) $17 (9) $785 (10) $2.20.

Western Steel & Wire Co., (1) $8560 (2) $9310 (3) $4.73 (4) $5.50 (5) $11.70 (6) $13.10 (7) $15.40 (8) $17 (9) ..... (10) $2.85.

California Wire Cloth Co., (1) $9804 (2) $10,452 (3) $3.50 (4) $4.08 (5) $13.10 (6) $13.10 (7) $17 (8) $17 (9) $500 (10) $2.25.

Standard Fence Co., (1) $12,437 (2) $13,110 (3) $4.09 (4) $4.58 (5) $11.70 (6) $13.10 (7) $15.40 (8) $17 (9) $500 (10) $2.20.

Bids held under advisement.

April 28, 1934

CONTRACT AWARDED

PEARL HARBOR, T. H.—Walker & Olund, 820 Lower Hiikoi, Honolulu, at $137,000 awarded contract by Bureau of Yards and Docks, Navy Department Washington, D. C., for the construction of an extension to the storehouse at the Naval Fleet Air Base, Pearl Harbor; Spec. No. 7594.

Complete bids follow:		(1) add.
Walker & Olund, Honolulu		$137,000
	(1)	4,500
George Hess, Los Angeles		$144,400
	(1)	4,000
E. E. Black, Honolulu		$148,000
	(1)	8,000
Ralph E. Wooley, Honolulu		$150,000
	(1)	3,900
Wm. MacDonald Const. Co., St. Louis		$154,465
	(1)	3,535
Charles Will, Hilo, T. H.		$154,700
	(1)	5,678
Pioneer Const. Co., Seattle		$155,800
	(1)	4,000
Hawaiian Contr. Co. Honolulu		$156,184
	(1)	4,500
W. P. Thurston Co., Richmond, Virginia		$169,500
	(1)	6,000

Bids held under advisement.

COMPLETE BID LISTING

PORT TOWNSEND, Wash.—As previously reported, Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis, at $232,000 submitted low bid to Treasury Department, Washington, D. C., for construction of buildings, boat basin, wharf, etc., at the U. S. Quarantine Station, Port Townsend.

Following bids received: (1) deduct if married attendants' quarters are omitted:

Murch Bros. Const. Co., Saint Louis, Mo.		$232,000
	(1)	14,000
Pioneer Const. Co., Seattle		$253,700
	(1)	15,500
General Const. Co., Seattle		$261,600
	(1)	13,000

Western Construction Co., $236,664; deduct $11,000.

Andrew F. Mowat, Seattle, $241,672; deduct $15,220.

ADDITIONAL PROSPECTIVE BIDDERS

EDIZ HOOK, Wash.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the U. S. Coast Guard, Washington, D. C., on May 11 for the construction of structural steel and masonry seaplane hangar, approximately 120 by 100 feet, with steel sliding doors at the front, two leanto extensions, each approximately 20 by 100 feet with concrete footings, foundations and floors, complete with modern improvements; a creosoted timber and pipe seaplane ramp approximately 50 by 196 ft.; dredging, concrete turning platform, runway ramps, apron and retaining walls, and accessories for the Coast Guard at Port Angeles Air Station, Ediz Hook, Wash.:

Peder J. Gjarde, Joshun Green Bldg. Seattle.

Pioneer Const. Co., 405 Railway Exchange Bldg., Seattle.

A. W. Mowat, McDowall Bldg., Seattle.

Western Const. Co., Textile Tower, Seattle.

General Const. Co., 384 Iowa Street, Seattle.

West Const. Co., Lloyd Bldg., Seattle.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal.—Until 2 P. M., May 18, bids will be received by the Treasury Department, Washington, D. C., for the insect screens for the Glendale Post Office.

PROSPECTIVE BIDDERS

SAN FRANCISCO—Following have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Division, Washington, D. C., on May 22, for furnishing and installing interior lighting fixtures in the U. S. Federal Building, San Francisco:

Arthur Brown Jr., 251 Kearny St., San Francisco.

Phoenix Day Co., 729 Mission St., San Francisco.

Solar Lighting Fixtures Co., 444 N. Western Ave., Los Angeles.

Helophane Co. (Davis N. Tuck), 342 Madison Ave., New York City.

Duxin Electric Contractors, Inc., 124-05 101st Ave., Richmond Hill, New York.

H. E. McArthur, Inc., 141 N. La Brea Ave., Los Angeles.

Edward F. Caldwell & Co., Inc., 36-40 West 15th St., New York City.

Russell Hayes, 819 13th St., N. W., Washington, D. C.
Butler & Kahaus, Inc., 2823 Olive St., St. Louis, Mo.
Bailey - Reynolds Chandlier Co., 1529 McGee St., Kansas City, Mo.
Sterling Bronze Co., Inc., 23-10 Bridge Plaza S., Long Island City, New York.
Greenfield Electric Co., 17 E. Lombard St., Baltimore.
Michaels Art Bronze Co., 235 Court Ave., Covington, Ky.
O. R. Evans & Bro., Inc., 1328 Eye St., N. W., Washington, D. C.
Shapiro & Aronson Co., 200 Warren St., New York City.

BIDS WANTED

SAN FRANCISCO—Until May 17, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for treatment for floor finishes in the new extension portion of the U. S. Post Office and Court House, at San Francisco. Specifications available from above office.

BID OPENING POSTPONED

MARYSVILLE, Yuba Co., Cal.—Until May 15, (date postponed from May 2) bids will be received by Treasury Department, Washington, D. C., for painting the plaster in the U. S. Post Office, Marysville.

8— CLUB BUILDINGS

Sub-Contracts Awarded.

MASONIC HALL Cont. Price, $42,570
VISALIA, Tulare Co., Cal. S Locust St. and Mineral King Ave.
Two-story reinforced concrete Masonic temple (65x110 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc. (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen small stage, etc.)
Owner—Masonic Temple Association.
Architect — P. L. Dragon and C. H. Schmidts, 3016 Telegraph Avenue, Berkeley.
Contractor—W. T. Harris, 557 McKinley Ave., Fresno.
Reinforcing Steel—Kyle & Co., Fresno
Structural Steel and Miscellaneous Iron—Independent Iron Works, 821 Pine St., Oakland.
Mill Work—Hollenbeck Bush, Fresno.
Steel Sash — Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Toilet Stalls—Dwan & Co., Call Bldg., San Francisco.
Roofing—Valley Lumber Co., Fresno.
Wiring—Wayne Sutton, Visalia.
Plumbing and Sheet Metal — Visalia Plumbing Co., Visalia.

As previously reported, heating and ventilating awarded to the Aladdin Heating & Ventilating Co., 5107 Broadway, Oakland, at $2725.

Additional Sub-Contracts Awarded.

CLUB HOUSE Cost, $——
MENLO PARK, San Mateo Co., Cal.
One-story frame and stucco club house (tile roof).
Owner—Menlo Circus Club.
Architect — G. Albert Lansburgh, 140 Montgomery St., San Francisco.
Contractor — Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Hardwood Floors—Inlaid Floor Co., 600 Alahama St., San Francisco.
Painting — Raphael Co., 270 Tchama St., San Francisco.
Tar and Gravel Roofing—Peninsula Roofing Co., Mountain View.

Other awards previously reported.

9— HOSPITALS

BIDS WANTED

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., May 7, bids will be received by City of Whittier for one gas heater with following specifications: Sectional boiler not less than 2400 or more than 2500 sq. ft. radiation, A.G.A. approved, fully equipped, low water cut off, altitude gauge, throttling type gas pressure regulator, pilot control and safety valve, maximum height six feet, installed complete at the Murphy Memorial Hospital, Whittier. Further particulars may be obtained from Cora A. Mathis, Superintendent. Certified check or bidder's bond for 10 per cent must accompany each bid. Dobbie E. Allen, city clerk.

BONDS DEFEATED

TAFT, Kern Co., Cal.—County of Kern defeated bonds in the amount of $75,000. Funds were to have financed construction of a branch county hospital in Taft.

Seek Funds.

WOMEN'S BLDG. Cost, $20,000
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement concrete and brick addition to women's building at County Hospital.
Owner—City of Sacramento.
Architect—Harry J. Devine, California State Life Bldg., Sacramento.

Application has been filed with the PWA for a grant of $16,000 to finance construction of the proposed building. $32,000 will be appropriated from the county budget.

BIDS WANTED

SAN FRANCISCO—Until May 11, 3 Brooks, Purchaser of Supplies, 270 City Hall, for hospital supplies for the health department. Specifications and proposal blanks on application at P. M., bids will be received by T. A. above office.

10— HOTELS

CONTRACT AWARDED

MARYSVILLE, Yuba Co., Calif.—Chas. R. Boyed, 136 2nd St., Yuba City has been awarded a contract by the Marysville Hotel for furnishing and installing General Electric equipment for the fifth floor of the Hotel Marysville.

Fixture Contract Awarded

REMODEL HOTEL Cost, $2500
STOCKTON, San Joaquin Co., Calif. 124 S. Sutter Street.
Remodel Clark Hotel.
Owner—Wm. Clark, Premises.
Architect—Glenn Allen, 412 E. Market St., Stockton.
Fixtures—Electric Planing Mill, Hazelton and Monroe Sts., Stockton.

Work is being done on a day's labor basis under the supervision of Mr. Allen.

BIDS OPENED

ALCATRAZ ISLAND, Cal.—Following bids received by Warden, Alcatraz Island, for detention type steel sash windows at Alcatraz Island:
MacDonald & Kahn, Financial Center Bldg., $12,367; alternate, $19,675.
Soule Steel Co., $13,342; alternate, $14,359.
Fire Protection Products Co., $14,359.
Bids held under advisement.

12— POWER PLANTS

CONTRACTS AWARDED

BOULDER CANYON, Nev.—American Bridge Co., Denver, at $407,462 awarded contract by Bureau of Reclamation, Denver, for furnishing structural steel for Boulder Power Plant, Items 1 and 3 of Spec. No. 567.

McClintic-Marshhall Corp., Bethlehem, Pa., at $6,828 awarded contract for furnishing structural steel, item 4 of Spec. No. 567.

A complete abstract of the bids is on file at the office of Daily Pacific Builder.

BIDS OPENED

FORT PECK, Mont.—W. C. Smith, Inc. Builders Exchange, Duluth, Minn. at $18,632 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., April 19, for construction of the electrical substation building at the Fort Peck Dam site. Complete bids follow:
W. C. Smith, Inc., Duluth.....$18,632
Madsen Const. Co., Minneapolis 20,909
Huston & Mackley, Minot, N. D. 21,107
Continental Const. Co., Chicago 28,740

13—PUBLIC BUILDINGS FIRE HOUSES & JAILS

Contract Awarded.

LIBRARY Cont. Price, $214,539
SEATTLE, Washington.
Three-story Class A concrete and structnral steel library, brick facing, cast and natural stone, slate composition roofing, acoustical treatment, steam heating, concrete slab, blackboards, cork tile, fire doors, tile, linoleum, hollow tile, iron stairs, ornamental iron temperature regulators, fan ventilators, ornamental plaster, intercommunicating telephones, steel sash, vacuum cleaners, etc.
Owner—University of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle.
Structural Engineer—E. C. Anderson.
Mechanical Engineer—Lincoln Boullon, 1411 4th Ave. Bldg., Seattle.
Contractor — Peder Gjarde, Joshua Green Bldg., Seattle.
Heating, Ventilating and Sanitary System — Rautman Plumbing & Heating Co., 115 Jackson Street, Seattle, at $66,464.
Wiring — NePage-McKenny Co., 804 6th St., Seattle, at $16,690.
Bookstacks—Art Metal Constr. Co., 1115 2nd Ave., Seattle, at $67,080.
Elevators—Montgomery Elevator Co., 709 2nd Ave., Seattle, at $8861.

Heating Contract Awarded.

MEMORIAL Cont. Price, $52,432
WATSONVILLE, Santa Cruz Co., Cal.
Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 feet) will contain auditorium to seat 1500; clubrooms, etc.; air heating system, hardwood and tile floors, plublic address system, stage, etc.
Owner—County of Santa Cruz.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—H. H. Larsen Co., 64 So. Park, San Francisco;
Engineer — Norman Green, 55 New Montgomery St., San Francisco.
Contractor — H. H. Larsen, 64 South Park, San Francisco.
Heating — Watsonville Plumbing Co., Watsonville.

As previously reported, mill work awarded to Pacific Mfg. Co., Santa Clara; hardwood floors to Finn Hardwood Floor Co., Watsonville; steel sash to Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco; Roofing to Central Supply Co., Watsonville; sheet metal and plumbing to A. P. Beck, Watsonville; Electric to E. M. Smith, Santa Cruz; roling doors to Kinnear Mfg. Co., 361 Brannan St., San Francisco; finish hardware to San Jose Hardware Co., San Jose; painting to J. Seekins, Route 3, Box278-A, Watsonville; steel to W. S. Wetenhall, 17th and Wisconsin Sts., San Francisco; structural steel to Golden Gate Iron Works, 1541 Howard St., S. F.; grading to L. C. Karsted, Box 844, Watsonville.

BONDS DEFEATED

BAKERSFIELD, Kern Co., Cal.—County of Kern defeated bond issue in the amount of $250,000 April 24. Funds were to have financed construction of a two-story reinforced con-

crete library in Bakersfield. Charles H. Biggar, Bakersfield, Architect.

Bids Opened

MEMORIAL Cost, $60,000
MONTEREY, Monterey Co., Cal. Civic Center.
Two-story steel frame and reinforced concrete Memorial (to house city offices) tile roof, steam heating system, plaster exterior, etc.
Owner—Trustees of Few Estate (to be deeded to the City).
Architect—W. O. Raiguel, Hotel Del Monte and C. J. Ryland, Monterey.
Low Bidder—Harold C. Geyer, 946 Hellam St., Monterey, $63,881.

Only other bid was submitted by Fred Ruhl, Pebble Beach; amount of bid not disclosed. Bids held under advisement.

Following is list of sub-contractors submitted by Harold C. Geyer, which are to be approved:

Tynan Lumber Co., lumber; Work Lumber Co., millwork; A. Marotta, brick and stone work; C. L. Frost, tile and roofing; Langlais, electric wiring and fixtures; W. N. Ingram, lathing and plastering; C. W. Allaire, painting; Phillips Plb. & Htg., plumbing, heating and sheet metal.

CONTRACT AWARDED

SAN QUENTIN, Marin Co., Calif.—McLaughlin Sheet Metal Works, 1914 I Street, Sacramento, at $7,649 awarded contract by State Department of Public Works for furnishing and installing sheet metal work, heating and ventilating system, cell block and solitary confinement unit at the California State Prison, San Quentin. Complete bids published April 25.

BOND ELECTION PLANNED

MANTI, Utah.—County of Sampete is contemplating calling an election to vote bonds in the amount of $52,500 to finance construction of a new court house in Manti. Estimated cost of the project is $75,000.

14— RESIDENCES

Plans Being Prepared

RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Calif.
One - story and basement frame and stucco residence (five rooms) tile roof, oil burner, hot air heating system, hardwood floors, tile bath.
Owner—Withheld.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Bids will be asked in thirty days.

Sub-Contracts Awarded.

ALTERATIONS Cost, $11,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Alterations and additions to two-story frame and stucco residence.
Owner—Frank Atkins, Campus Theatre, Berkeley.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Heating—Aladdin Heating Corp., 5107 Broadway, Oakland.
Painting—Nelson & Garshol, 416 Park Blvd., Oakland.
Roofing Tile — Western Roofing Co., 24th and Poplar Sts., Oakland.
Bathroom Tile—Superior Tile Co., 3473 Broadway, Oakland.

As previously reported, lumber awarded to Sunset Lumber Co., 400 High St., Oakland; plumbing to Carl T. Doell, 467 21st St., Oakland.

Sub-Contracts Awarded.

ALTER RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Morse Drive.
Alterations and additions to two-story frame residence.
Owner — Paul Gallagher, 5700 Morse Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Contractor—Wm. Van Aalst, 2039 34th Ave., Oakland.
Lumber—Smith Lumber Co., Foot of 19th Ave., Oakland.
Electric—E. M. Creager, 2526 82nd Ave., Oakland.

Plans Being Figured—Bids Close May 5th.

RESIDENCE Cost, $——
CENTERVILLE, Alameda Co., Calif.
One - story and basement frame and stucco residence (five rooms, California-Colonial style.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Sub-Bids Being Taken

RESIDENCE Cost, $8000
BERKELEY, Alameda Co. Cal. Acacia Avenue.
Two-story frame and stucco residence (6 rooms and 2 baths) shake roof, gas heating system, steel sash, tiled baths, hardwood floors, electric refrigeration, brick work, etc.
Owner and Builder—Henry McKallor, 2231 E 39th St., Oakland.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Contract Awarded.

RESIDENCE Cost, $7000
PALO ALTO, Santa Clara Co., Cal. Campus of Stanford University.
Two-story frame and stucco residence (7 rooms and 2 baths), shingle roof, gas heating system, hardwoor floors, etc.
Owner—Miss Grace Sheets, Palo Alto.
Architect—Chas. K. Sumner, Deckeroak Bldg., Palo Alto.
Contractor—R. C. Knight, Mountain View.

To Be Done By Day's Work.

RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 1669 E-28th Street.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Plans by Owner.

Sub-Contracts Awarded

RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. Southwood Drive.
One - story and basement frame and stucco residence (5 rooms) English type.
Owner—William E. McCuithy.
Architect—Not Given.
Contractor—Cliff Hansen, 1500 Santa Clara Ave., Alameda.
Plastering—A. Monroe, 526 57th St., Oakland.
Plumbing—Roeber Plb. Co., 7818 Hillside Ave., Oakland.
Concrete—L. M. Rasmussen, 1442 102d Ave., Oakland.
Mill Work—Pacific Mfg. Co., 1315 7th St., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Sheet Metal and Heating—Atlas Heating & Ventilating Co., 1451 32nd St. Oakland.
Electric—Ansel's Elec. Co., 1401 Park Ave., Alameda.

Additional Sub-Contracts Awarded.

RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Grizzly Peak Blvd.
Two-story frame and stucco residence (shingle roof, ornamental iron, stucco siding, tiled baths, hot water heating system, gas furnace etc.)
Owner — Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. Netherby, 3853 Lyman Road, Oakland.
Sash and Doors—Melrose Lumber & Supply Co., 1201 46th Ave., Oakland.
Brick—C. M. Goodell, 2836 Minna Ave., Oakland.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Plastering—C. M. Goodell, 2836 Minna Ave., Oakland.
Wiring—H. M. Hansen, 2905 College Ave., Berkeley.

To Ask Bids In One Week.

ALTER RESIDENCE Cost, $1200
SAN MATEO, San Mateo Co., Calif. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—Withheld.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame.

Contract Awarded.

ALTERATIONS Cost, $3000
BURLINGAME, San Mateo Co., Cal. No. 2223 Easton Drive.
Alterations to frame residence.
Owner—F. W. Macandia, Premises.
Architect—Not Given.
Contractor—H. E. Winfrey, 442 Hacienda Drive, Burlingame.

Sub-Contracts Awarded.

RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Clecmens Road near Lyman Road.
One-story and basement frame and stucco residence (6 rooms) Spanish style, tile roof, gas heating system, hardwood floors, etc.
Owner and Builder—Walter Pressler, 1419 Excelcior Ave., Oakland.
Architect—Not Given.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Concrete — George S. McMullen, 747 Victoria Ave., San Leandro.

Contract Awarded.

RESIDENCE Cost, $6000
SACRAMENTO, Sacramento Co., Cal. No. 1149 Vallejo Way.
Two-story brick veneer residence.
Owner—Kenneth Hansen.
Architect—Not Given.
Contractor — Hansen & Sutter, 308 Oakmont Ave., Sacramento.

Contract Awarded

RESIDENCE Cost, $4500
OAKLAND, Alameda Co., Calif. 645 Jean Street.
One - story and basement frame and stucco residence (5 rooms).
Owner—Mary Mulvihill, 6100 Taft Ave. Oakland.
Architect—Not Given.
Contractor—J. Sexton, 6100 Taft Ave., Oakland.

Sub-Contracts Awarded.

RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. Ascot Drive, Piedmont Pines.
One-story and basement frame and stucco residence (6 rooms).
Owner—L. E. Lyons.
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland.
Plastering—C. M. Goodell, 2836 Minna Ave., Oakland.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.
Electric — Dimond Electric Co., 2100 Hopkins St., Oakland.
Sheet Metal—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Furnace—Ruud Heater Co., 472 20th St., Oakland.

Complete Bid Listing

RESIDENCES Cost, $125,000
BONNEVILLE, Ore. Columbia River.
Twenty two-story and basement frame and stucco residences (3 and 4 bed room houses) warm air heating

system (to be furnished by the government) tile baths and kitchen, metal lath.
Owner—United States Government.
Plans by U. S. Engineers' Office, Portland.
Low Bidder—George Waale Co., 329 SW Oak St., Portland.
Following bids received:
(1) alternate type insulating board; (2) furnishing blanket type insulation.
Geo. Waale Co., Portland, (Main) $161,688; (Alt. 1) $160,088; (Alt. 2) $160,688.
Wm. Spivock, San Francisco, $163,070; $162,440; .....
W. E. Kier Const. Co., Oakland, $165,077; $164,477; $167,277.
Pioneer Const. Co., Seattle, $171,570; $170,940; $169,680.
Hoffman Const. Co., Portland, $173,155; $173,155; $173,155.
Robertson, Hay & Wallace, $175,548 $174,800; $176,826.
Ross B. Hammond, Inc., $176,467; $175,767; $176,967.
Drake, Wyman & Voss, Portland, $182,190; $181,584; $182,467.
Allyn & Powers, Portland, $184,456; $183,560; $188,227.
Geo. H. Buckler Co., Portland, $187,875; $187,095; $188,339.
McGregor & MacLean, Astoria, Ore., $201,309.
Following is a list of sub-contracts as stated in bid of George Waale Co.:
Brick, Fred Hoffacker; iron and steel City Iron Works; sheet metal & roofing, Sandberg Sheet Metal Works; tile, Oregon Art Tile Co.; finish hardware, Hardware Contractors, Inc.; plastering and finishing, Dunsmore Bros.; wiring, Davidson Electric Co.; plumbing, Eugeen Ruedy Co.; heating Sandberg Sheet Metal Works.
Sub-contracts under Spivock's bid follow, those not mentioned being handled by Spivock: Painting, D. Zelinsky & Sons, San Francisco; mill work, National Mill Co., San Francisco; plumbing, Otto Schultz Plumbing Co., Portland; hardware, Marshall Newell Co., San Francisco; glass and glazing, W. P. Fuller & Co., Portland; wiring, NePage-McKenny Co., Portland; sheet metal, Sandberg Sheet Metal Works; tile, Oregon Art Tile Co. Portland; heating, Sandberg Sheet Metal Works, Portland.

Contract Awarded
ADDITION Cost, $2000
SACRAMENTO, Sacramento Co., Cal. Franklin Boulevard.
Two-room addition to residence.
Owner—Jos. Holmes, Franklin Blvd., Sacramento.
Architect—Not Given.
Contractor—J. T. Ransdall, Jr., 1424 1424 38th St., Sacramento.

COMMISSIONED TO PREPARE PLANS
LOS ANGELES, Cal.—Architect R. D. Johnson, 707 Architects' Bldg., has been commissioned to prepare plans and specifications for a large residence to be built on a 7-acre site in Bel-Air, West Los Angeles, for Mrs. J. O. Weber. Cost, $150,000.

CONTRACT AWARDED
SAN FRANCISCO.—Victor Oliva, 2160 Bryant St., at approximately $1,500 awarded contract by D. Franco, 086 Hampshire St., owner, for stuccoing front of residence at the Hampshire street address.

Low Bidder
RESIDENCE Cost, $——
REDWOOD CITY, San Mateo Co., Cal.
Two-story frame and stucco residence six rooms, one bath) shingle roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Low Bidder—A. Orton, 2249 Highway, Palo Alto.

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co., Cal.—Dickinson Bldg. Co., 8923 Beverly Blvd., Los Angeles, has contract for a two-story and basement residence to be built at 1025 Ridgedale Dr., Beverly Hills, for Norman B. Halter. It will contain 15 rooms and will be of frame, stucco and boarding construction, shingle roofing, brick work, oak pine and linoleum floors, hardwood and pine trim, tiled bathrooms, showers and drainboard, wrought iron work, gas unit heating system, garage and servants' quarters, amusement room in basement, etc. Cost, $40,000.

Sub-Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. York Drive, 200 S Westminister St.
Two-story frame and stucco residence (5 rooms) Colonial style.
Owner—Mrs. Kate W. Archer.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Electric—James Anderson, 2421 23rd Ave., Oakland.
Brick—W. H. Wisheropp, 3749 Quigley St., Oakland.
Fixtures—Carl von Hacht.
Heating and Sheet Metal — M. C. Henry, 1183 53rd St., Oakland.
Plastering—Scott & Speer, 1431 Northlands Ave., Berkeley.
Painting—Nat L. Williams, 1908 Virginia St., Berkeley.
Steel and Sash—Gleason Steel Products Co., 63rd and Doyle Sts., Emeryville.

Grading Contract Awarded
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two - story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Architect—William K. Strickland, 1278 Sunnyhills Road, Piedmont.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Grading—Worden & Forsythe, San Leandro.

BIDS OPENED
YOSEMITE VALLEY, Cal.—Incandescent Supply Co., 726 Mission St., San Francisco, at $279.17 submitted low bid to Park Superintendent, Yosemite National Park, for miscellaneous lighting fixtures for residences in the Yosemite Valley. Following bids received:
Incandescent Supply Co., S. F...$279.17
K. von Hacht, S. F..... 349.40
Boyd Lighting Fixture Co., S. F. 374.18
Roberts Lighting Fix. Co., Oakland 375.60
Phoenix-Day Co., S. F..... 407.01
Bids held under advisement.

Preparing Working Drawings
RESIDENCE Cost, $12,000
HEALDSBURG, Sonoma Co., Cal. Five miles south of Healdsburg on Russian River road.
One - story and basement frame and brick veneer residence (7 rooms, two baths) asbestos slate roof, oil heating system, tiled baths, hardwood floors.
Owner—Warren Jones.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in thirty days.

15— SCHOOLS

BIDS WANTED
OAKLAND, Cal.—Until May 15, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, for plumbing supplies, Schedule No. 51; hardware supplies, Schedule No. 53, and janitorial supplies (rags, Schedule No. 53). Specifications on file in the office of the Director of Purchasing, Room 115, Administration Bldg., Oakland.

Plans Completed
SCHOOL Cost, $15,000
One-story wood frame grammar school building (3 rooms and auditorium) composition roof, warm air heating system, wood floors, etc.
Owner—Hayfork Union School Dist.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
Bids will be asked upon approval of plans.

Bonds Voted.
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (3 classrooms), tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Working drawings will be started immediately.

Contract Awarded.
MANUAL ARTS BLDG. Cost, $10,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco manual arts building for Woodrow Wilson Grammar School (composition roof wood floors, etc.) 3 classrooms.
Owner — Daly City Grammar School District, W. J. Sweeney, Clerk.
Architect—Albert Roller, Crocker 1st National Bank Bldg., San Francisco.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.
Following bids received:
Frank J. Reilly, S. F.....$10,891
DeLuca & Son, Inc., S. F..... 11,270
L. Milano, San Francisco..... 11,651
H. H. Smith, Daly City..... 12,910
Anderson & Ringrose, S. F..... 12,978
Bids held under advisement.

BIDS WANTED
VISALIA, Tulare Co., Calif.—Until May 14, 7:30 P. M., bids will be received by E. E. Baker, Clerk, Visalia Union High School District, for addition to bus garage and removal of washrack, and concrete approach to proposed addition to garage building. Plans and specifications on file with the clerk. Certified check of 10% of bid required.

Plans Being Completed.
ADDITION Cost, $——
BAKERSFIELD, Kern Co., Cal.
Additions to Longfellow and Jefferson Schools.
Owner—Bakersfield City School Dist.
Architect—Chas. Biggar, Haberfelde Bldg., Bakersfield.
Upon approval of plans by the State Department of Architecture bids will be asked.

Plans Being Completed.
ADDITIONS Cost, $——
BAKERSFIELD, Kern Co., Cal.
Additions to Roosevelt School.
Owner—Bakersfield City School Dist.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Contract Awarded
SCHOOL Cont. Price, $163,000
NORTH SACRAMENTO, Sacramento Co., Calif.
Two-story brick high school building (12 classrooms and gymnasium) tile roof, steam heating system, wood floors, etc.
Owner—Grant Union High School District.

Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

Plans Being Completed
SCHOOL Cost, $——
ROSEVILLE, Placer Co., Calif.
One-story brick elementary school bldg. (9 classrooms & lunch room).
Owner — Roseville Elementary School District.
Architect—Charles Dean, California State Life Bldg., Sacramento.

PLANNED
WAWONA, Mariposa Co., Cal.—Mrs. Lottie J. Wegener, Mariposa County Superintendet of Schools, announces that plans are under way to construct a modern school building at Wawona in Yosemite National Park. National Park Service officials have been consulted and further details will be announced shortly.

BONDS VOTED
LA CANADA, Los Angeles Co., Cal.—La Canada School District affirmed a $21,000 bond issue April 24 for financing the reconstruction of grammar school building in La Canada. The work will consist of steel framing and guniting. Plans have been completed and are in the state architect's office for approval. A. R. Walker and P. A. Eisen, 706 Pacific Commerce Bldg., Los Angeles, architects.

PLANS COMPLETED
SANTA BARBARA, Cal.—Edwards & Plunkett, 114 E. De la Guerra, Santa Barbara, have submitted plans to the Santa Barbara Board of Education for a new school building to replace the old Garfield structure in the Oak Park district of Santa Barbara. Plans will be forwarded to the state school planning department this week for approval. The building will be a one-story structure, containing eight classrooms and a auditorium; wood frame construction, stucco exterior, metal lath and plaster interior, concrete floors, etc. Cost, $45,000.

Plans Being Completed.
ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
Additions to concrete elementary schoo building (add three cassrooms and lunch room) and additions to concrete, brick and tile elementary school (add two classrooms and lunch room).
Owner—Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.

Plans Completed.
RECONST. SCHOOL Cost, $46,000
SAN FRANCISCO. Seventh Avenue between Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Plans will be forwarded to Sacramento for immediately.

Bond Election Planned
HIGH SCHOOL Cost, $240,000
SEBASTOPOL, Sonoma Co., Calif.
Two - story reinforced concrete high school building.
Owner—Analy Union High School Dist.
Architect—Louis Stone and J. R. Rowell, associated, 98 Ramona Street, Piedmont, and 354 Hobart Street, Oakland.
An election will be held in the near future to finance construction of the proposed building.

BIDS REJECTED
LOGAN, Utah.—All bids for the construction of the Home Economics Bldg. at Logan for the Utah State Building Commission exceeded amount available and plans will be revised and new bids asked at a later date. On bid opening lowest bid was submitted by Cherdon Const. Co., Salt Lake City, at $228,000. Palmer Co., at $44,000 submitted low bid on plumbing and heating, and Cache Valley Electrical Co. at $29,856 were low bidders on the electrical work.

BIDS WANTED
SALT LAKE CITY, Utah.—Until May 9, 7:30 P. M., bids will be received by Spanish Fork Board of Education for the construction of a gymnasium-auditorium building at Spanish Fork School. Scott & Welch, Salt Lake City, architect.

Sub-Contracts Awarded.
REPAIR SCHOOL Cont. Price, $36,446
SAN FRANCISCO. Jackson Street bet. Hyde and Larkin Sts.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—O. Monson, 475 Sixth St., San Francisco.
Masonry—Emil Hogberg, 666 Mission St., at $4397.
Terra Cotta—N. Clark & Son, 116 Natoma St., at $260.
Mill Work—Acme Mfg. Co., 1855 San Bruno Ave., at $1000.
Finish Hardware—E. M. Hundley, 662 Mission St., at $25.
Lathing and Plastering—J. P. Marconi, 1737 Beach St., at $4000.
Roofing—Alta Roofing Co., 976 Indian St., at $326.
Plumbing—Thomas Skelly, 1344 9th Ave., at $226.
Electric—N. C. Nicklassen, 49 Downey St., at $524.
Heating and Ventilating — John Delucchi, 1526 Powell St., at $155.
Sheet Metal and Tin Roof—John Delucchi, 1526 Powell St., at $544.
Painting — Union Painting Co., 941 12th St., Oakland, at $1618.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., at $3517.
Structural Steel—Schrader Iron Wks, 1247 Harrison St., $1253.
Pneumatic Concrete — Erling Anderson, 99 Divisadero St., at $.18 per cu. yd.

Sub-Contracts Awarded.
REPAIR SCHOOL. Cont. Price, $22,725
SAN FRANCISCO. E Washington St. bet. Powell and Stockton Sts.
Repair and reconstruction of Commodore Stockton School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—Harry Oser, Hobart Bldg. San Francisco.
Electric—E. J. Doherty, 1725 Church St., at $333.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., at $430.
Reinforcing Steel—Gunn, Carle Co., 20 Potrero Ave., at $3268.
Painting — D. Zelinsky & Son, 165 Grove St., at $1384.

BIDS WANTED
SAN RAFAEL, Marin Co., Cal.—Until May 8, 8 P. M., bids will be received by the San Rafael Board of Education, San Rafael for general supplies for the fiscal year.

BIDS WANTED
KENTFIELD, Marin Co., Cal.—Until May 9, 5 P. M., bids will be received by Ada M. Fusselman, Secretary Junior College Board, Kentfield, for furnishing office supplies, materials and equipment; science laboratory supplies; school furniture, garden supplies and equipment, building, hardware, lumber and materials, physical education supplies and equipment and fuel oil. Specifications available from A. C. Olney, President, Marin Junior College, Kentfield.

Plans Being Prepared.
SCHOOL Cost, $25,000
BRISBANE, San Mateo Co., Cal.
Elementary school building.
Owner—Brisbane Elementary School District (Jos. Franzen, Pres.)
Architect—Thomas Edwards, 525 Market St., San Francisco.
A bond election will be held at a later date to finance construction.

PREPARING PRELIMINARY PLANS
LOS ANGELES, Cal.—Los Angeles Board of Education has approved preliminary plans for the reconstruction of the main, south, shops No. 1 and No. 2, domestic science and physical education buildings at the James A. Foshay Junior High School, 3751 S. Harvard Blvd., prepared by Architect Samuel E. Lunden, 458 S. Spring St. and Structural Engineer, L. J. Waller, 257 S. Berenda St. The architect and engineer were instructed to proceed with working drawings for all buildings with the exception of the physical education building, which will be deferred. Cost, $228,648.

Roofing Contract Awarded.
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two - story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell Jr., and Arthur Brown Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Constr.—George Wagner, 181 South Park, San Francisco.
Roofing—Reaves Roofing Co., 280 California St., Palo Alto.
Other awards previously reported.

Sub-Contracts Awarded.
REPAIR SCHOOL Cont. Price, $26,843
SAN FRANCISCO. Hayes and Pierce Streets.
Repair and reconstruction of school building (Denman School).
Owner—City and County of San Francisco.
Engineer—H. C. Vensano, 251 Kearny St., San Francisco.
Contractor — M. E. Vukicevich, 666 Mission St., San Francisco.
Brick Work—White & Gloor, Monadnock Bldg., at $2990.
Terra Cotta—N. Clark & Son, 116 Natoma St., at $860.
Plumbing—Thos. Skelly, 1344 9th Ave., at $90.
Sheet Metal — John Delucchi, 1526 Powell St., at $725.
Kalamein Doors—Fire Protection Products Co., 1101 16th St., at $314.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., at $5195.
Ornamental Iron—Patterson & Koster, 280 13th St., at $48.
Blackboards—Gill-Mann Co., 629 Fulton St., at $4634.
Electric—Atlas Electric Co., 343 4th St., at $966.
Lathing and Plastering—A. W. Cordes, 666 Mission St., at $4980.
Glass—Friedman Bros., 461 Valencia St., at $657.
Finish Hardware—E. M. Hundley, 662 Mission St., at $105.
Terrazzo Work — M. H. Gnecco, 36 Wood St., at $1825.

Sub-Contracts Awarded.
REPAIR SCHOOL Cont. Price, $12,750
SAN FRANCISCO. Filbert St. bet. Jones and Taylor Sts.
Repairs and reconstruction of Hancock Elementary School.
Owner—City and County of San Grancisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor — Harry J. Oser, Hobart Bldg., San Francisco.
Electric—B. J. Doherty, 1725 Church St., at $245.
Gunite—Cement Gun Constr. Co., 85 2nd St., at $3581.
Structural Steel — Fair Mfg. Co., at $1517.

Contract Awarded.
REPAIR SCHOOL Cont. Price, $21,000
SAN FRANCISCO. SE Bayview and Flora Streets.
Repairs to Bayview School building.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Following bids received:

H. L. Petersen	$21,000
Anderson & Ringrose	23,500
DeLuca & Son, Inc.	23,938
J. Harold Johnson	26,843

Following is a list of the sub-contracts submitted with the general bid of H. L Petersen:
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., $2379.83.
Gunite — Cement Gun Constr. Co., 85 Second St., $585.
Structural Steel — Fair Mfg. Co., 617 Bryant St., $4000.
Plastering—William Berwick, 55 New Montgomery St., $2764.
Plumbing—Scott Co., 243 Minna St., $319.
Blackboards — Fred E. Turner, 557 Market St., $882.
Mill Work—Herring & Nutting, $783.

BONDS DEFEATED
SAN GABRIEL, Los Angeles County, Cal.—San Gabriel School District defeated a $90,000 bond issue April 27. proceeds from which were to have been used for the rehabilitation or replacement of San Gabriel school buildings. Marsh, Smith & Powell, 506 Architects' Bldg., Los Angeles, architects for the district.

BIDS WANTED
NORWALK, Los Angeles Co., Cal.—Until 7:30 P. M., May 10, bids will be received by the Excelsior Union high school district, Norwalk, for furnishing materials for the reconstruction, rehabilitation and strengthening of the administration building at the Excelsior Union high school, near Norwalk, as follows: Painting materials, reinforcing steel, millwork, plumbing materials, metal studs, steam heating materials, sheet metal materials, tile materials, toilet stalls, stair treads, lathing materials, plastering materials, composition roofing materials and finished hardware. T. C. Kitsner and Co., 814 Architects' Bldg., Los Angeles, architects.

Sub-Contracts Awarded
GYMNASIUM Cont. Price, $58,900
SANTA ROSA, Sonoma Co., Calif.
One - story reinf. concrete and brick veneer gymnasium (171x135 ft.) reinforced concrete walls (separate gymnasium for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Reinforcing Steel—Concrete Engr. Co., 1280 Indiana St., San Francisco.
Lumber—Roth Maier Lumber Co., 2800 Third St., San Francisco.
Mill Work—Sterling Lumber Co., Santa Rosa.
Roofing—Frost Roofing Co., Palo Alto.

LOW BIDDERS
CARPINTERIA, Santa Barbara Co., Cal.—Carpinteria Union School Dist. opened bids May 1 for certain work in connection with the construction of a school building on the Allso site in Carpinteria. The bids were held under advisement until after May 7, when bonds for financing the work will be sold. Bids received March 26 for millwork, lathing and plastering, and painting are still under advisement. Seaside Electric Co., Ventura, has the contract for electric wiring, including radio wiring and program clock. E. K. Lockard, architect, 117 E. De la Guerra, Santa Barbara. The low bids submitted May 1 follow:
Roofing—Muegenburg Roof Co., $1310; McNall Bldg. Material Co., $1320; H. & H. Roofing Co., $1325; Federal Roofing Co., $1440.
Plumbing and Heating—Ott Hardware Co., $1,548; Carroll & O'Mara, $1583
Sheet Metal—Ott Hardware Co., $284; Theo. Mainland, $327.50.
Finish Hardware—F. L. Smith Hardware Co., $1075.80; Ott Hardware Co., $1150.92.

PREPARING PLANS
LONG BEACH, Cal.—Architect Kirtland F. Cutter, Farmers & Merchants Bank Bldg., Long Beach, and Structural Engineers J. H. Davies and C. D. Wailes Jr., 1005 Ocean Center Bldg. Long Beach, are preparing plans for rebuilding Lincoln elementary school, located at the corner of Alameda and 11th Sts., for the Long Beach board of education. The group will consist of three buildings. Construction will be frame and stucco, tile and composition roofing, maple and concrete floors, steam heating. Cost, $100,000.

PRELIMINARY PLANS APPROVED
PASADENA, Los Angeles Co., Cal.—Pasadena board of education has approved preliminary plans for repairing, rehabilitating and strengthening the Abraham Lincoln school. Plans were prepared by Architect Frederick Kennedy, Jr., 1041 E. Green St. Cost, $60,000.

PRELIMINARY PLANS APPROVED
PASADENA, Los Angeles Co., Cal.—Pasadena board of education has approved preliminary plans for repairing, rehabilitating and strengthening the Longfellow elementary school. Plans were prepared by Architects Marston & Maybury, 25 S. Euclid Ave., Pasadena. Appropriation is $110,000.

BIDS WANTED
COMPTON, Los Angeles Co., Calif.—Until 2:00 P. M., May 15, bids will be received by the Board of Public Building Reconstruction, State of California, at the office of the superintendent of schools, 601 S. Acacia St., Compton, for reconstruction and rehabilitation of buildings at the Compton junior high school. Bids will be taken as follows: (1) general work, (2) electrical work. The work will include: structural bracing in shop bldg., structural bracing in cafeteria bldg., structural bracing of present administration bldg. and addition of classroom unit, new gymnasium bldg. to be constructed on footings of old building, construction of new auditorium building on footings of old building. Marsh, Smith & Powell, 506 Architects' Bldg., Los Angeles, architects. Cost, $130,000.

Plans Being Completed
SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—Geo. P. Simonds Hayward.
Plans will be forwarded to Sacramento for approval in about 10 days.

BIDS WANTED
INGLEWOOD, Los Angeles Co., Cal.—Until 7:00 P. M., May 14, segregated bids will be received by the Inglewood board of education for reconstruction and strengthening of the fine arts building at the Inglewood high school. Bids will be taken as follows: Labor and materials for structural steel, steel stairways, blackboards, cork carpeting, composition roofing, pneumatically placed concrete. Materials only: sand, cement, rock, reinforcing steel, paint, plaster, lumber, hardwood floors, miscellaneous steel and iron, sheet metal, steel stair treads millwork, steam heating materials. The work will include removing four inches of face brick on the exterior walls and replacing with four inches of gunite, interior steel trusses, plastering of interior walls and ceilings, refinishing of floors, new steam heating system, etc. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects. Cost, $45,000.

Bonds Defeated
SCHOOL Cost, $40,000
HILMAR, Merced Co., Calif.
Construct new grammar school.
Owner—Elim Grammar School Dist.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bonds were defeated April 30 by 142 votes to 80.

Plans Being Completed
SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Calif.
One - story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Plans will be forwarded to Sacramento for approval May 4.

CONTRACT AWARDED
SAN FRANCISCO—Standard Fence Co., 1940 San Bruno Ave., at $46 awarded costract by Department of Public Works for removal of wire gates at the Portola Junion High School Playground.

CONTRACT AWARDED
SAN FRANCISCO—Western Asbestos Magnesia Co., 675 Townsend St., at $287 awarded contract by Department of Public Works for steam pipe covering in basement under first floor of the Francisco School on which canvas has been damaged and which shall be covered with 50-lb. asbestos roofing felt wired on with copper wire on six inch centers, approximately 1550 lineal feet.

16—BANKS, STORES AND OFFICES

Plans Being Prepared.
REMODEL STORE Cost, $——
SAN FRANCISCO. Sutter and Kearny Streets.
Remodel store building.
Owner—Pauson's Store.
Architect—Miller & Pflueger, 580 Market St., San Francisco.
Further details will be announced at a later date.

Mill Contract Awarded
REMODEL STORE Cost, $6421
SAN FRANCISCO. SE Fourth & Berry Streets.
Alterations to office building (interior fixtures, fittings, etc.)
Owner—Sussman, Wormser & Co., 4th and Berry Streets.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks & Irvine, 74 New Montgomery Street.
Mill Work—National Mill & Lumber Co., 230 California Street.

To Be Done By Day's Work
ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Calif. 3425-29 Telegraph Avenue.
Alterations and additions to building.
Owner and Builder—Nucleus Building & Loan Assn., 6 N. First St., San Jose.
Plans by Owner.

Contract Awarded.
ALTER OFFICES Cont. Price, $3947
SAN FRANCISCO. No. 604 Mission Street.
Owner—Bothin Realty Company.
Architect — Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.

Contract Awarded
STORE Cost, $3000
OAKLAND, Alameda Co., Calif. 2414 E 14th Street.
One-story brick store building.
Owner—F. Shemanski, 1017 Market St. San Francisco.
Architect—R. C. Schuppert, Park Blvd. Oakland.
Contractor — The Pfeiffer Co., 6221 Bromley St., Oakland.

Additional Contracts Awarded
STORE Cost, $15,000
VALLEJO, Solano Co., Calif. Sonoma Street near Georgia Street.
Two-story brick, terra cotta and cement store with steel columns and beams (five stores) tar and gravel and part hand-made tile roof.
Owner—Thomas B. Jones, Vallejo.
Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.
Brick Work—Sherratt Bros., 3024 24th St., San Francisco.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
As previously reported, steel awarded Schrader Iron Works, 1247 Harrison St., San Francisco; carpentry to Tillman Olson Co., 514 Hichborn St., Vallejo. Other awards will be made shortly.

Plans Being Prepared
REMODEL BLDG. Cost, $——
SAN FRANCISCO. NE Geary Street and Stockton.
Remodel store building.
Owner—United Drug Co., 1 Harrison Street.
Plans by Engineering Dept. of Owner in the East.
Agent—Gore and Crossman, Inc., 310 Kearny Street.

Contract Awarded
REMODEL MARKET Cost, $9000
EL CERRITO, Contra Costa Co., Calif. San Pablo Ave. and Cutting Blvd.
Remodel drive-in market building.
Owner—Andrew Williams.
Architect—Ed. T. Foulkes, 357 12th St. Oakland.
Contractor—Henry Brown, 1387 E 32nd St., Oakland.

Contract Awarded.
REMODEL BLDG. Cost, $5000
TURLOCK, Stanislaus Co., Cal.
Remodel two-story brick building (remove certain portion of building and additions to rear).
Owner—Fred Knutsen, 427 Flower St., Turlock.
Architect—G. N. Hilburn, 1312 I St., Modesto.
Contractor—E. R. Wallstom, P. O. Box 293, Turlock.

Contract Awarded.
ALTER SEORE Cost, $6000
FRESNO, Fresno Co., Cal. NE Orchard and Tulare Sts.
Alterations to store building.
Owner—George Haehler, Fresno.
Architect—Not Given.
Contractor—J. T. Cowan, 433 Roosevelt St., Fresno.

Contract Awarded.
ALTER STORE Cost, $6550
PALO ALTO, Santa Clara Co., Cal. 270-72 University Avenue.
Alterations and additions to store building.
Owner — Gertrude M. Gardiner, 624 Lasuen St., Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor — Wells P. Goodenough, 310 University Ave., Palo Alto.

Contract Awarded
STORE Cost, $3000
OAKLAND, Alameda Co., Calif. 4011 E 14th Street.
One-story brick store building.
Owner—Pierre Davin, Rt. 4, Box 421, Bakersfield.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon Ave., Oakland.

SUB-CONTRACTS AWARDED
STORE Cont. Price, $6,200
ALBANY, Alameda Co., Calif., Solano Ave. between Carmel and Ramona Avenues.
One-story frame and stucco store.
Owner—M. W. Ratcliff.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.
Lessee—Hagstrom Food Stores, 10636 E. 14th St., Oakland.
Plastering—Walter Nelson, 3272 Arizone St., Oakland.
Roofing—Guy Tyler, 1502 Cedar Street, Berkeley.
Electric—Moore's Electrical Shop, 1553 Solano Avenue, Albany.
Plate Glass—Rose Glass Co., 551 East 12th Street.
Plumbing — Economy Plumbing Co., Oakland.
Tile—Rigney Tile Co., 3012 Harrison Street., Oakland.
Painting — Sven L. Forsberg, 3853 Fruitvale Avenue.
As previously reported:
Lumber—Loop Lumber Co., Broadway and Blanding, Alameda.
Concrete—Ensor H. Buel, 2927 Lorina Street, Berkeley.

Plans Being Completed
CAFE Cost, $75,000
SAN FRANCISCO. Merrie Way, North Sutro Baths.
Two - story, basement and mezzanine floor cafe (frame and stucco construction, tile roof, hot air heating system, full kitchen equipment, bar, lounge, porches, foyer; dining room to have seating capacity of 750).
Owner—Hacienda del Mar, Inc.
Architect—S. Heiman, 605 Market St. Bids will be asked in three or four weeks.

To Ask Bids In One Week
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.)
Owner — Bank of American National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Contract Awarded
ELEVATOR Cost, $3705
SAN FRANCISCO. 310 Sutter Street.
Furnishing and installing electric elevator in building.
Owner—Mrs. Sophie Dall, 36 Broderick St., and Mrs. Juanita Dall, 1264 Eighth Ave.
Engineers—Hunter & Hudson, 41 Sutter Street.
Contractor—Pacific Elevator & Equipment Co., 45 Rausch St.

Plans Being Figured—Bids Close May 7, 11 A. M.
ALTER BUILDING Cost, $——
SAN FRANCISCO. No. 130 Sutter St.
Alterations to Hallidie Building.
Owner—Regents of the University of California.
Plans by Engineering Dept. of Ower. Clinton Stephenson Construction Co. 550 Montgomery St., are figuring the plans and desire sub-bids on all portions of the work.

To Be Done By Day's Work.
ALTER STORE Cost, $1500
FRESNO, Fresno Co., Cal. No. 312 Abby Street.
Alterations to store building.
Owner—G. H. Gilbert, 1827 Fulton St., Fresno.
Architect—Not Given.

PLANS BEING FIGURED
HUNTINGTON PARK, Los Angeles Co., Cal.—Architect M. R. Lawson, 614 S. Pacific Blvd., San Pedro, has prepared plans and is taking bids from a selected list of contractors for a store building to be erected at 6409-11 Pacific Blvd., Huntington Park, for the Van Loon Corp., W. T. Grant Stores, lessee. It will be a one-story and basement, L-shaped structure, 38x150 and 50x75 ft. in area; reinf. brick walls, structural steel, composition roofing, wood roof trusses, plate glass, oak floors, metal skylights, forced ventilation system, copper store fronts, etc. Bids open May 8.

Bids Opened.
ADDITION Cost, $——
MOUNTAIN VIEW, Santa Clara Co.,
One-story frame addition to office building.
Owner—Dr. A. C. Thompson, Mt. View
Architect — Chas. McKenzie, Twohy Bldg., San Jose.
Low Bidder—E. Anderson & Son, Mt. View.
Following bids received:
E. Anderson, Mt. View $3180
Neil Darrah, Palo Alto..... 3257
Vance M. Brown, Palo Alto..... 3273
R. C. Knight, Mt. View..... 3325
C. A. Pellymounter, Mt. View..... 3375
Carl Lindholm & Sons, Mt. View 3378
Bids held under advisement.

17— THEATRES

Preparing Preliminary Plans.
THEATRE Cost, $120,000
REDDING, Shasta Co., Cal.
One-story and balcony reinforced concrete and probably structural steel frame theatre building (to seat 1400) tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Working drawings will be started in about thirty days.

Plans Being Completed.
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Cal.

One-story and balcony theatre building (1100 seating capacity); tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Contractor—Salih Bros., 25 Taylor St., San Francisco.
Sub-bids will be taken in about two weeks.

Contracts Awardeod.
ALTER THEATRE Cost, $25,000
PIEDMONT, Alameda Co., Cal. No. 4186 Piedmont Avenue.
Alterations and additions to present theatre building (new seats, decorating, painting, etc.)
Owner—E. L. Herbold.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Lessee—Golden State Theatre Co., 25 Taylor St., San Francisco.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.
Electric—Matson Seabrooke Co., 4115 Broadway, Oakland.
Painting and Decorating—Robert E. Powers Co., 34 Golden Gate Ave., Oakland.
Heating—Aladdin Heating Corp., 5107 Broadway, Oakland.

Sub-Contracts Awarded.
THEATRE Cost, $30,000
GRASS VALLEY, Nevada Co., Cal. West Main Street.
One-story steel frame theatre building (steel girders, marque) to seat 508.
Owner—Montez Theatre Company.
Architect—Wm. Mooser, Monadnock Bldg., San Francisco.
Mgr. of Constr.—E. T. Leiter & Son, 811 37th St., Oakland.
Plumbing—Alpha Hardware & Supply Co., Broad St., Nevada City.
Sheet Metal—G. O'Neill, Broad St., Nevada City.
Electric—Service Electric Co., Grass Valley.
As previously reported, structural steel awarded to Herrick Iron Works, 18th and Campbell Sts., Oakland.

18—WHARVES & DOCKS

Contract Awarded
ALTER WHARF Cont. Price, $16,897
SAN FRANCISCO. Wharf No. 47, Fisherman's Basin.
Additions to betterments of Wharf No. 47 (work involves creosoted piling, untreated timber deck, tearing off portion of present wharf and constructing two finger wharves.)
Owner—State of California (Harbor Board).
Engineer—Frank G. White, Ferry Bldg.
Contractor—A. W. Kitchen, 110 Market Street.
Following bids received:

A. W. Kitchen	$16,897
Healy-Tibbitts Const. Co.	17,368
Ben C. Gerwick	19,210
M. B. McGowan	21,981
Duncanson - Harrelson Co.	22,984
San Francisco Bridge Co.	23,000

19—MISC. CONSTRUCTION

Contract Awarded
BOWLING ALLEY Cost, $4,000
OAKLAND, Alameda Co., Calif. 1392 15th Street.
One-story bowling alley.
Owner—Joe Lanella, 15th and Cypress Sts., Oakland.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.

PROSPECTIVE BIDDERS
HAMILTON FIELD, Marin Co., Cal.—Following have procured plans for the purpose of submitting a bid to the Constructing Quartermaster, Hamilton Field on May 9, 11 A. M., for the construction of two auxiliary water storage tanks at Hamilton Field:
Scott Co., 243 Minna St., San Francisco.
Soule Steel Co., 1750 Army St., San Francisco.
Clinton Stephenson Const. Co., 550 Montgomery St., San Francisco.
W. J. Jennings, 58 Spring Grove Ave., San Rafael.
Bennett & Taylor, 1978 Los Angeles St., Los Angeles.
Frank J. Main, Fairfax.
De Luca & Son, 1745 Filbert St., San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
Western Pipe & Steel Co., 444 Market St., San Francisco.
A. Soda & Son, 1077 65th St., Oakland.
Fred. J. Early, 369 Pine St., San Francisco.
Louis Lambretti, 275 E. Blithedale Ave., Mill Valley.
Plans and specifications are on file in the office of the Daily Pacific Builder and may be inspected by those interested, and may be obtained from the Constructing Quartermaster upon deposit of $5.00.

CONTRACT AWARDED
SAN DIMAS, Los Angeles Co., Cal.—Jerome K. Doolan, Security Building Pasadena, awarded contract by Santa Fe Railway Co. for erection of a combination passenger and freight depot in San Dimas to replace the structure recently destroyed by fire. It will be a wood frame and stucco building. The general contract includes all work except electric wiring, which will be installed by the owner.

Planned
AMUSEMENT PLANT Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif. Front St. and Laurel St.
Construct new amusement plant (bowling alleys and other amusement devices).
Owner—Fred Johnson, 25 King St., Santa Cruz.

BIDS WANTED
MARE ISLAND, Cal.—Until May 7, 10 A. M., bids will be received by the Supply Officer, Mare Island Navy Yard, for wrecking four buildings at Mare Island.

CONTRACT AWARDED
LOS ANGELES, Cal.—R. J. Brennan 1267 Dunsmuir Ave., awarded a contract for construction of a motorcycle speedway at Atlantic Ave. and Bandini Blvd. for the Los Angeles Motorcycle Speedway, Inc. It will have a "D" type dirt track, wood grandstands toilets and wood and metal fences. Work has been started. Contracts for the grading, plumbing and electrical work have been let.

PREPARING PLANS
ALTADENA, Los Angeles Co., Cal.—Architect C. N. Jay, 2300 N. Marengo St., Altadena, is preparing preliminary plans for a 2500-crypt addition to a mausoleum at 2300 N. Marengo St. Altadena, for the Mountain View Mausoleum Co. The building will be two stories, consisting of a wing, two corridors and a ladies' room. Construction will be reinforced concrete, tile and composition roofing, marble, terrazzo and tile floors, marble walls, art glass, bronze work, steel sash, skylights, etc. Work will probably be started about Sept. 1. Cost, $450,000.

PROSPECTIVE BIDDERS
FRANCE FIELD, Canal Zone.—Following have procured plans for the purpose of submitting bids to the Constructing Quartermaster, Fort Mason, for the construction of one, 110-man barracks and on, 200-man barracks and utilities at France Field. Date of opening bids not yet set.
Grebien & Martinz, Inc., P. O. Box 697, Panama City, R. de P.
C. I. Bottenfield, Box 237, Balboa C. Z.
A. E. Marvin, Pedro Miugel, C. Z.
Tucker McClure, P. O. Box 5035, Cristobal, C. Z.
Ferdinand Gremien, Colon, R. de P.
H. B. Nelson Constn. Co., 305 Red Rock Bldg., Atlanta, Go.
Navarro & Co., Box 1019, Panama City, R. de P.
Deposit of $15.00 required for plans. Date of opening bids has been extended from April 30 and a new date will be set shortly.

Bids Opened.
SWIMMING POOL Cost, $4000
NEVADA CITY, Nevada Co., Cal. Park Avenue.
Municipal swimming pool (50x125 ft.) tile scum trough, five foot cement walk around pool, fencing, etc.
Owner—City of Nevada City.
Engineer—E. C. Uren, Nevada City.
Low Bidder—A. Soda & Son, 1077 65th St., Oakland, $3943.
Only other bid was submitted by Lotz and Walker, Nevada City, at $4241.
Joe Lopez, submitted a bid for excavating at $.55 per cu. yd. and A. Soda & Son bid $1055 for excavating and $1,973 for iron pipe and fence.
Bids held under advisement.

PROSPECTIVE BIDDERS
PUGET SOUND, Wash.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards & Docks, Washington, D. C., May 16, for remodeling two bridge cranes and transporting them from Charleston, W. Va., to the Navy Yard at Puget Sound, under Spec. 7590:
Shepard - Niles Crane & Hoist Co., Niles Division, Meffler St., Philadelphia.
Ryan Const. Co., Commercial Trust Bldg., Philadelphia.
M. B. Van Doren, 2911 Hawthorne Ave., Richmond, Va.
Rose & Reddick, Washington, D. C.
Peter and A. J. Ellis, Washington, D. C.
Previous list published April 25.
Contract includes removing a 150-ton bridge crane and a 35-ton bridge crane from the existing runways; approximately 24 ft. and increasing the lift approximately 23 ft.; increasing the span of the 35-ton crane approximately 6 ft. and the lift 21 ft.

Contract Awarded
INCINERATOR Cost, $1500
OAKLAND, Alameda Co., Calif. Foot of 14th Street.
Brick incinerator.
Owner—Rosenberg Bros, Premises.
Architect—Not Given.
Contractor—Herschel & Reinecke, 830 E. 11th St., Oakland.

Plans Being Completed
COTTAGES, ETC. Cost, $40,000
LINK CITY, Florida.
Two 1-story frame cottages (2 rooms, 2 baths, porch, each) frame dining room with seating capacity of 200, large kitchen, full kitchen equipment, lavatories, serving pantries, living quarters, etc.; shingle roofs, roll screens, considerable tile work celotex, etc.
Owner—Commander F. K. OBrien, U. S. Navy.
Architect—S. Heiman, 605 Market St., San Francisco.
Material bids will be called for by Mr. Heiman in about two weeks.

Sheet Metal and Art Glass Bids Being Taken.

ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Cal. Holy Cross Cementery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 by 80 feet, 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1110 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.

As previously reported, roofing awarded J. W. Bender Roofing Co., 18th and Bryant Sts., S. F.; readymix concrete to South City Lumber Co., South San Francisco; reinforcing steel to W. C. Hauck & Co., 17th and Wisconsin Sts., S. F.; plumbing to Scott Co., 243 Minna St., S. F.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until May 15, 10 A. M., bids will be received by the Signal Officer, Headquarters, Ninth Corps Area, Presidio of San Francisco, for construction of an extension of underground telephone cable system at Hamilton Field.

Specifications obtainable from above office upon deposit of $5.00.

BIDS OPENED

SACRAMENTO, Cal.—Campbell Construction Co., 800 R St., Sacramento, at $3,462 (pump plant No. 4) and $3,464 (pump plant No. 2) submitted low bids to the Board of Trustees of the American River Flood Control District, Room 410, State Office Building, Sacramento, for the construction of reinforced conc. structures and trash rack for Pumping Plant No. 4, located on Arcade Creek near North Sacramento, and for the construction of reinforced concrete structures and trash rack for Pumping Plant No. 2, located on the American River near North Sacramento. Complete bids follow:

Campbell Const. Co., Sacramento, (No. 4) $3,462; (No. 2) $3,464.

P. F. Bender, Sacramento, $4,093; $4,093.

Hansen & Sutter, Sacramento, $4,100; $.....

H. W. Robertson, Sacramento, $4,131; $4,131.

F. A. Holdener, Sacramento, $4,140; $4,180.

C. J. Hopkinson, Sacramento, $4,297; $4,450.

Nelson & Wallace, Escalon, $4,922; $4,922.

All bids held under advisement.

BIDS WANTED

SAN FRANCISCO—Until May 11, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for window cleaning for school and water departments for the fiscal year, 1934-1935. Specifications and proposal blanks available from above office.

CONTRACT AWARDED

SAN JOSE, Santa Clara Co., Cal.—San Jose Wrecking Co., 184 Stockton St., San Jose, at $512, awarded contract by San Jose City Council for wrecking or moving of three frame buildings on the site property of the proposed new auditorium.

Bids Opened

DINING ROOM, ETC. Cost, $——
ECHO LAKE, Eldorado Co., Calif.
One - story dining room and kitchen (pine construction).
Owner—City of Berkeley.
Plans by Building Dept., City of Berkeley.
Low Bidder—B. McElderry, 1411 13th St., Oakland.

(1) deduct; (2) deduct; (3) deduct.

B. McElderry, Oakland		$2,650
	(1)	70
	(2)	259
	(3)	584
A. Soda & Son, Oakland		$2,968
	(1)	99
	(2)	225
	(3)	431
Frank Stead, Berkeley		$2,972
	(1)	131
	(2)	325
	(3)	575
Mark Bristol, Oakland		$2,998
	(1)	130
	(2)	389
	(3)	613
Emil Person, Berkeley		$2,998
	(1)	115
	(2)	410
	(3)	700
David Nordstrom, Oakland		$3,086
	(1)	78
	(2)	173
	(3)	180
John M. Bartlett, Oakland		$3,279
	(1)	133
	(2)	405
	(3)	668
S. O. McDonald, Oakland		$3,397
	(1)	105
	(2)	380
	(3)	676

Bids held under advisement.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Calif.—Rhodes & Kennedy, 354 Hobart St., Oakland, awarded contract by the City of Oakland Port Commission for furnishing 9,500 barrels of Portland cement, to be used in the construction of Terminal Bldg. "E" Rosenberg warehouse, Outer Harbor, Oakland. Prices quoted follow:

$1.70 in paper bags;
$1.90 in cloth bags;
$1.40 in bulk, per bbl.

Contract may designate how delivery is to be made.

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Following submitted identical bids at $2.00 per barrel to the Berkeley City Council for furnishing cement for the fiscal year for the City of Berkeley:

Rhodes-Jamieson;
Transit Concrete Co.;
Chas. S. Hughes Co.;
Henry Cowell Lime & Cement Co.;
Contra Costa Bldg. Materials Co.
Bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the U. S. Engineer Office, Capt. J. G. Drinkwater, Dist. Engineer, Room 208 Post Office Bldg., Sacramento, under Order No. 6319/2191 for furnishing the following:

(1) FENCING, galvanized, 32-in. wide 26 rolls (20 rod rolls).
(2) BARBED WIRE, main strands, 2, No. 12 wires, 2 point barbs of No. 14 wire, barbs 5-in. apart, all galvanized; 14 reels (80 rod reels).
(3) STAPLES, galvanized, fence wire, 1½-in. long, No. 9 wire; 100 lbs.
(4) POSTS, fence, split cedar or redwood, 7 ft. long, 4-in.x5-in. in section; 250.

The bids were:

Noah Adams Lumber Co., Oakland, (1) $154.23; (2) $42.98; (3) $4.43; (4) $75 ½%, 30 days.

Knox Lumber Co., Sacramento, (4) $87.50; ½%, 30 days.

Dunham, Carrigan & Hayden, San Francisco, (1) $154.23; (2) $42.98; (3) $4.43; ½%, 30 days.

Columbia Steel Co., San Francisco (1) $154.23; (2) $42.98; (3) $4.43; ½%, 30 days.

Diamond Match Co., Chico (1) $154.23 (2) $42.98; (3) $4.43; (4) $75 ½%, 30 days on wire and staples; 2%, 10 days on posts.

Austin Bros., Stockton (1) $154.18; (2) $42.98; (3) $4.43; ½%, 30 days.

Marshall Newell Supply Co., San Francisco (2) $42.94; (3) $4.43; ½%, 30 days.

Anchor Post Fence Co., San Francisco (1) $154.23; (2) $42.98; (3) $4.43; (4)$75; ½%, 30 days.

Sunset Lumber Co., Oakland (4) $75; 2% 10 days; 1% 20 days.

Capital Lumber Co., Sacramento (4) $75 2% 30 days.

Kamian Fence Co., San Francisco (1) $154.23; (2) $42.98; (3) $4.43; (4) $97.50; ½% 30 days.

Baker Hamilton Pacific Co., San Francisco (1) $154.23; (2) $42.98; (3) $4.43; ½% 30 days.

Standard Fence Co., Oakland (1) $154.23; (2) $42.98; (3) $4.43; (4) $75; ½% on items 1, 2 and 3, 30 days; 2% 30 days on item 4.

Charles Nelson Co., San Francisco (4) $75; 2% 30 days.

All discounts figured on basing point value.

BIDS WANTED

VERNON, Cal.—Until May 7, 8 P. M., bids will be received by the Vernon City Council for furnishing approximately 100,000 bbls. of Diesel fuel oil f.o.b. Vernon power plant under Specification No. 82.

T. J. Furlong, City Clerk.

CONTRACT AWARDED

LOS ANGELES, Cal.—Standard Oil Co. has been awarded contract by H. E. Russell, Los Angeles County Purchasing Agent, at $1.0778 per bbl. for furnishing 3000 bbls. asphaltic road oil. Spec. No. 7486.

Identical bids of $1.0778 per bbl. were also submitted by Union Oil Co.; Shell Oil Co.; Gilmore Oil Co.; Richfield Oil Co., and Petroleum Corp.

Consumers Oil Co. bid $0.825 per bbl., but did not include freight.

BIDS OPENED

SACRAMENTO, Cal.—Following bids received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. No. 6336, for furnishing steel cylindrical pontoons. Bids were taken as follows:

(1) for furnishing 21 pontoons;
(2) for furnishing 42 pontoons.

Pacific Coast Engr. Co., Inc., foot of W. 14th St., Oakland, (1) $733, total $15,393; (2) $769.50, total $32,319. Delivery 35 days. Discount, ½% 10 days.

California Steel Products Co., 452 Bay St., San Francisco, (1) $737, total $15,477; discount, ½% 10 days; delivery, 35 days.

Western Pipe & Steel Co., 444 Market St., San Francisco, (1) $747, total $15,687; (2) $780, total $32,760; delivery, 35 days. No discount.

CONTRACT AWARDED

SAN FRANCISCO—City Purchasing Department awarded contracts to W. P. Fuller & Co., 301 Mission St., and National Lead Co., 2240 24th St., for furnishing linseed oil, shellac, turpentine, lead, litharge and putty for various departments. Bid No. 1169.

BIDS OPENED

SAN CARLOS, Ariz.—Following bids received by Project Engineer C. J. Moody for furnishing douglas fir crossarms, drilled and full creosote treated for the transmission and distribution system, San Carlos Federal Project No. 261, Coolidge, Ariz.:

H. A. Browning Lumber Co., 657 W. Jefferson Blvd., Los Angeles, 206,300 lbs., $4102.82 f.o.b. Wilmington; Patten-Blinn Lbr. Co., 521 E. 5th St., Los Angeles, 196,280 pounds, $4611.30 f.o.b. Long Beach; Hammond Lbr. Co., 810 S. Broadway, Los Angeles, 204,598 lbs.

$3791.08 f.o.b. St. Helens, Ore.; J. H. Baxter & Co., 610 W 5th St., Los Angeles, 196,300 lbs., $4205.30 f.o.b. Long Beach; Maydwell & Hartzell, Inc., 158 11th St., San Francisco, 204,593 lbs., $3642.85 f.o.b. St. Helens, Ore.; Allied Industries, Inc., 409 S. Hewitt, Los Angeles, 175,000 lbs., $3850.90 f. o. b. Vencouver Wash.; Westinghouse Elec. Supply Co., Luhrs Bldg., Phoenix, 201-230 lbs. $3813.08 f.o.b. Vancouver; General Elec. Supply Corp., 385 E. 2nd St., Los Angeles, 159,000 lbs., $4157.50 f. o. b. Tacoma; Chas. R. McCormick Lbr. Co., 117 W. 9th St., Los Angeles, 178,-000 lbs., $3891 f.o.b. St. Helens, Ore.; General Elec. Co., 520 Santa Fe Ave., Los Angeles, 204,540 lbs., $4253.30 f. o. b. Seattle; National Tank & Pipe Co., Portland, 215,980 lbs., $3,985.66 f. o. b. St. Helens.

BIDS WANTED

FORT PECK, Mont.—General Steel Castings Corp., Eddystone, Pa., at $51,976.82 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for furnishing cast steel spuds for Port Peck dredges, March 27.

American Steel Foundries, Chicago, Ill., at $55,973.62 submitted the only other bid.

BIDS OPENED

SAN FRANCISCO, Cal.—Kelvinator Sales Corporation, at $722.02 submitted low bid to Veterans Administration for one mortuary refrigerator for San Francisco. Proposal 598-M. Following bids received:

Kelvinator Sales Co.	$722.02
National Electrical Supply Co.	824.75
Frigidaire Corp.	875.98
Westinghouse Elec. & Mfg. Co.	891.55

Bids held under advisement.

COMPLETE BIDS

FORT PECK, Mont.—Goodman Mfg. Co., 4834 S. Halstead St., Chicago, Ill., at $3,716.50 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., March 27, for furnishing spud clamps for Port Peck Dredges. Complete bids follow:

Goodman Mfg. Co., Chicago, $5,-716.50.

Superior Iron Works, Superior, Wis., $4,316.50.

Pacific Car and Foundry Co., Seattle, $4,964.19.

Steacy Schmidt Mfg. Co., York, Pa., $5,343.70.

American Hoist & Derrick Co., St. Paul, Minn., $5,486.80.

Ellicott Machine Corp., Baltimore, $5,495.63.

Dravo Contracting Co., Pittsburgh, $5,659.29.

Enterprise Fdry. Corp., San Francisco, $5,971.77.

BIDS OPENED

PHOENIX, Ariz.—Following bids received by the U. S. Indian Service, 4100 Rhoads Circle, Phoenix, March 21 for furnishing 2400 sacks of Portland cement:

Colorado Portland Cement Co., $1,-860 f.o.b. Phoenix; $873.99 f.o.b. Portland, Colo.; discount 10c bbl.

California Portland Cement Co., $1,-860 f.o.b. Phoenix; $1,164.60 f.o.b. Colton, Calif.; discount 10c bbl.

Monolith Portland Cement Co., $1,-860 f.o.b. Phoenix; $1,542 f.o.b. Monolith, Calif.; discount 10c bbl.

Pacific Portland Cement Co., $1,860 f.o.b. Phoenix; discount 10c bbl.

Southwestern Portland Cement Co., $1,015.15 f.o.b. Victorville, Calif.; discount 10c bbl.

Baker-Thomas Lime & Cement Co., $1,850 f.o.b. Phoenix; $1,254 f.o.b. Victorville, Calif.

Blue Diamond Corp., $1,860 f.o.b. Phoenix; $1,164 f.o.b. Los Angeles; discount 5c sack.

Riverside Cement Co., $1,860 f.o.b. Phoenix; discount 10c bbl.

BIDS OPENED

SAN FRANCISCO, Calif.—Following bids received by Veterans Administration, Procurement Division, Washington, D. C., for (1) four arm chairs, (2) 6 reclining chairs; (3) 7 rocking chairs; (4) 74 rocking chairs; (5) 22 common chairs; (6) 4 costumers; (7) 4 settees; (8) 22 writing desks (9) 2 library tables for San Francisco. Proposal G-236.

N. Snellenburg & Co., item 1, $47.40; 2, $138; 3, $82.95; 4 $876.90; 5, $108.90; 6, $19.80; 7, $207.40; 8, $222.20; 9, $50; f. o. b. Walter M. Ballard Co., item 1, $48.16; 2, $141.90; 3, $84.28; 4, $890.26; 5, $110.22; 6, $19.80; 7, $211.20; 8, $223.-74; 9, $51.70; f. o. b. Strawbridge & Clothier, item 1, $52; 2, $150; 3, $91; 4, $962; 5, $117.70; 6, $21; 7, $228; 8, $242; 9, $56; f. o. b. Colson Equipment & Supply Co., item 1, $54.08; 2, $156; 3, $94.64; 4, $1,000.48; 5, $176; 6, $32; 7, $208; 8, $316.80; 9, $104; f. o. b. Winsoney Furnishers, item 1, $55.76; 2, $161.88; 3, $97.44; 4, $1,070.04; 5, $117.04; 6, $21.92; 7, $214.80; 8, $319; 9, $74.40; 1%; f. o. b. Shiebler-Dayton Co., item 1, $58; 2, $168; 3, $101.15; 4, $1,076.70; 5, $114.40; 6, $21.80; 7, $217.80; 8, $319; 9, $74.50; 1%; f. o. b. C. J. Benson & Co., item 1, $59.40; 2, $171.60; 3, $103.95; 4, $1,139.60; 5, $121; 6, $22.60; 7, $228.-80; 8, $338.80; 9, $79.20; 2%; f. o. b. Marietta Chair Co., item 1, $66; 2, $137.10; 3, $90.44; 4, $956.08; 5, $75.90; 6, $16.60; 7, $139.80; 8, $190.30; 9, $49.78; f. o. h. R. Brandlein & Co., item 1, $68; 2, $168; 3, $134.96; 4, $1,332; 5, $147.40; 6, $32; 7, $208; 8, $275; 9, $72; 1%. Hagerstown Mantle & Furniture Co., item 1, $68; 2, $208.80; 3, $126.70; 4, $1,339.40; 5, $115.50; 6, $18; 7, $192; 8, $198; 9, $50; f. o. b. Original Cabinet Corp., item 1, $74; 2, $238.50; 3, $161; 4, $1,628; 5, $198; 6, $22; 8, $308; 9, $57; 2%; f. o. b. W. J. Sloane, item 1, $75.60; 2, $172.80; 3, $157.50; 4, $1,-665; 5, $165; 6, $30; 7, $196.80; 8, $336.-60; 9, $69.60; f. o. b. G. S. Stewart & Co., item 1, $140; 2, $333; 3, $255.50; ,4 $2,775; 5, $227.70; 6, $37; 7, $394; 8, $495; 9, $105; 1%; f. o. b. Moline Furniture Works, item 6, $32; 8, $264; 9 $34; f. o. b. Great Northern Chair Co., item 5, $84.70; 6, $12.08; 8, $169.40; item 9, $57.60; f. o. b.

Products Co., item 6, $20; 8, $220; 9, $48; 2%; f. o. b. Kewaunee Mfg. Co., 9, $39.50; 2%; f. o. b. Algoma Wood

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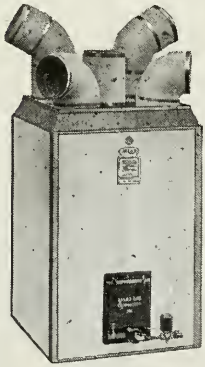

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MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

BUREAU OF PUBLIC RDS.

COCONINO COUNTY, Ariz. — Until May 8, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for furnishing approximately 317 tons of liquid asphaltic road material Type MC-1 and 1,637 tons liquid asphaltic road material Type MC-4 and/or Type MC-5, for use on Section H of Grand Canyon Route 1, all of Grand Canyon Route 10 and Sections A, B and C of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino County.

Plans and specifications obtainable from the above office and from the office of the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix.

WAR DEPARTMENT

FORT MASON, San Francisco—Until May 8, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco, General Depot, Fort Mason, San Francisco, under Bid No. 928-34-226 miscellaneous for furnishing the following:

60 anchor screw shakies; 50 wire rope thimbles; 48 open drop turnbuckles; 3600 lbs. boiler compound; 300 lbs. grease; 1500 gallons kerosene; 1000 glass tube fuses; 4800 ft. wire rope; 100 canvas laundry bags; 2880 lin. yds. cotton tape; 36 spools cotton thread, 100 lbs. cotton gray thread; 24 self-closing faucets; 75 lbs. leather rigging 36 water buckets; 36 rim night latches; 300 lbs. nails; 75 quires paper; 1300 machine bolts; 20 gross nuts; 40 lbs. brass nuts 450 lbs. brass pipe; 500 ft. wrought iron pipe; 246 pipe fittings; 586 pipe nipples; 211 iron unions; 24 bronze finished cocks; 24 self-closing faucets; 8000 lbs. calcium chloride; 48 cans liquid fire extinguishers; 768 cakes disinfectant; 1800 lbs. soap; 96 pints ink; 200 cook aprons; 400 waiters' jackets; 4000 heavy paper cups; 24 soup cans and 144 pie plates.

Secifications obtainable from above office.

TULARE COUNTY

LONDSAY, Cal.—Until May 8, 8 P. M., bids will be received by the Lindsay City Council for road oil for use on City streets. Bids f.o.b. city oil tank. E. V. Bogart, City Clerk.

CANAL ZONE

PANAMA CANAL ZONE.—Until May 16, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., for furnishing miscellaneous supplies and equipment, including one truck chassis, one truck, two school busses, five automobiles, four cars, one lathe, 24 burial gaskets, 25 metal double beds, 5,000 sheets corrugated galv. roofing, 1,000 pcs. rodge roll, 42 pcs. firebox steel plates, 24 pcs. pipe, 500 lbs. copper, 1,000 lbs. copper, 1,700 hexagon head brass bolts, 1,000 brass machine bolts, 56,000 back carriage bolts, 12,100 steel machine bolts, 26,000 steel machine bolts, 2,000 lbs. machine bolt nuts, 5,500 lbs. iron or steel galv. washers, 5,000 lbs. ogee cast iron washers, 5,000 lbs. steel shot, 12 bends, 6 tees, 50,000 lbs. calcium-carbide, 12,000 sq. ft. corkboard, 100,000 tray covers, 5,000 ft. B.M. white ash lumber, 1,000 ft. B.M. cedar (Port Orford) lumber, 23,000 ft. B. M. cypress lumber, 2,000 ft. B.M. white oak lumber, and 7,000 ft. B.M. northern white pine or sugar pine lumber.

Schedule No. 2958 obtainable from the above office and from the Assistant General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until May 15, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2959, for furnishing 60,000 barrels of Bunker C fuel oil, for the Panama Canal Zone, to be delivered by steamer of American Registry, free of all charges, at Cristobal, Atlantic port, Canal Zone, between July 1 and July 15, 1934.

Specifications obtainable from the above office and from the Assistant General Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until May 9, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing 465 tons reinforcing bars under Proposal No. 523.

Specifications obtainable from above office.

OAKLAND, Cal.—Until May 9, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing 7500 bbls. more or less, of Portland cement, under Proposal No. 522.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, U. S. Indian Supplies, 305 Federal Bldg., Albuquerque, New Mexico, as follows:

May 11—19 insect screens; various items paints; a lot of metal toilet partitions.

Specifications obtainable from above office.

PHOENIX, Arizona—Bids will be received by the Superintendent of Construction, U. S. Indian Service, Phoenix, Indian School, May 10, for 1300 various sizes black steel pipe.

Specifications obtainable from above office.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until May 7, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing structural steel "I" beam ribs, splice plates and base plates for tunnel support, complete with bolts and nuts.

Specification No. M-2024. Bids No. 23,291.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until May 11, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall ,under Bid No. 1188, for furnishing rail crossing, switch, mate, frog, spring box and mechanism for the Municipal Railway.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

May 7, 2 P. M., Bid 933:

(1) 1200 spools (80 rods to spool) of 2-point "Glidden" barbed cattle wire, galv. Delivery f.o.b. Santa Fe, N. M.

May 10, 2 P. M., Bid 934:

(1) 11,213 ft. B. M. lumber for Soda Creek bridge. Delivery f.o.b. bidder's shipping point and/or f.o.b. Hornbrook, Calif.

(2) 22,109 ft. B. M. lumber for Cottonwood Creek bridge. Delivery f.o.b. bidder's shipping point and/or f.o.b. Hilt, Cal.

Specifications obtainable from above office.

POST OFFICE DEPT.

GLENDALE, Los Angeles Co., Cal.—Until May 18, bids will be received by the Public Works Branch, Procurement Division, Treasury Dept., Washington, D. C., for insect screens for the Glendale Post Office.

TREASURY DEPARTMENT

SAN FRANCISCO — Until May 7, bids will be received by Division of Supply, Treasury Department, Washington, D. C., for one flat-work ironer for San Francisco. Proposal No. 550.

*

GLENDALE, Los Angeles Co., Cal.—Until May 18, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for insect screens in the U. S. Post Office, Glendale. Specifications may be obtained from above office or from the Custodian of the Building at Glendale.

NEVADA STATE

LYON COUNTY, Nev.—Until May 9, 2 P. M., bids will be received by S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for furnishing 82,000 lbs. reinforcing steel and 2,200 lbs. structural steel in connection with the construction of a portion of the State Highway System in Lyon County between the west county line and Hoye.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excavo.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

SUB-CONTRACTS AWARDED

MARE ISLAND - Vallejo, Cal.—Barrett & Hilp, 918 Harrison Street, San Francisco, have awarded the following sub-contracts on the Mare Island-Vallejo causeway:

Pile Driving—Duncanson - Harrelson Co. 1405 deYoung Bldg., San Francisco.

Electric — T. L. Rosenberg Co., 411 Webster St., Oakland.

Rail and Track Work—Worden & Forsythe, 264 Sybil Ave., San Francisco.

Hand Rail—Pacific Pipe Co., Inc., 201 Folsom St., San Francisco.

NEW BIDS ASKED

LOS ANGELES, Cal.—Until May 9, 10 A. M., new bids will be received by the Los Angeles Board of Public Works for constructing two bridges on Gaffey Street, one a concrete girder bridge on Gaffey St. over Summerland and the other a reinforced concrete arch bridge on Elberon Avenue over Gaffey Street.

All bids received April 11 were rejected. Creighton, Inc., submitted the previous low bid at $141,734.82.

NEW BIDS ASKED

LOS ANGELES, Cal.—Until May 9, 10 A. M., new bids will be received by the Los Angeles Board of Public Works, for constructing the Tunnel Station Bridge on San Fernando Road at Tunnel Station.

All bids received April 11 were rejected April 25. Creighton, Inc., submitted the previous low bid at $33,-398.76.

CONTRACT AWARDED

GLENDALE, Los Angeles Co., Cal. —Harry F. Miller, 1908 W. 75th St., Los Angeles, at $11,399.39 awarded contract by the Glendale City Council April 26 for the construction of a reinforced concrete rigid frame type bridge on Central Avenue over the Arroyo Verdugo.

BIDS WANTED

HUMBOLDT COUNTY, Calif.—Until May 15, 2 P. M., bids will be received by the Humboldt County Board of Supervisors, Fred M. Kay, Clerk, Court House, Eureka, for the construction of a timber bridge over Sprowl Creek near Garberville in Road District No. 2, Humboldt County.

Plans and specifications obtainable from County Surveyor, Frank Kelly.

CONTRACTS AWARDED

LOS ANGELES, Calif.—Commercial Shearing & Stamping Co., Youngstown, Ohio (represented by W. H. Collins, 138 Glenville Drive, L. A.) was awarded the contract by the Metropolitan Water District, April 23, at $131,-651 f. o. b. Youngstown, for furnishing under schedule No. 3, steel tunnel plates and structural steel ribs complete with bolts, splices, and other accessories for tunnel support for 15-ft. 3-in. and 16-ft diameter tunnels under Spec. No. 66.

McClintic - Marshall Corp., 11,100 Central Ave., L. A., was awarded the contract at $17,012 for structural steel wall beams under Schedule No. 4, and at $21,204 for structural steel columns under Schedule 3.

BIDS OPENED

WINSLOW, Ariz. — H. L. Roydon, Box 865, Pheonix, at $4017.60 submitted low bid to the Arizona State Highway Commission, Pheonix, April 18, for the removal and disposal of an old concrete bridge and the construction of a new concrete bridge culvert at the same location, in the City of Winslow.

Olds Bros. Lumber Co., Winslow, at $4,733 submitted the only other bid.

It was previously reported that Olds Bros. were the low bidder at $4,730.

CONTRACT AWARDED

MUTNOMAH COUNTY, Oregon—Settergren Bros., 329 Worcester Bldg., Portland, at $21,582.10 awarded contract by the Oregon State Highway Commission. R. H. Baldock, State Highway Engineer, Portland, April 26 for constructing a concrete viaduct at the intersection of Bybee Blvd. and East Portalnd-Oregon City Highway and a concrete slab over Crystal Springs Creek in the City of Portland. The other bids were:

Averill & Philpott, Portland	$22,312.
O. N. Pierce, Portland	23,888
Hoffman Constr. Co., Portland	24,280
Feigenson Constr. Co., Portland	24,417
Parker-Schram Co., Portland	27,935
Birkemeier & Saremal, Port	34,892

BID OPENING POSTPONED

ARIZONA STATE.—Until May 11, 2 p. m., extended from May 4, previously reported, bids will be received by the Arizona State Highway Commission, Pheonix, for bridge construction on the Bisbee-Douglas Highway, N. R. H., 11-A. A. F. E. 8025. Changes have been made in the plans and specifications, and contractors are advised to procure the revised copies. The work, which is located about 6 miles east of Bisbee, consists of the widening and lengthening of an existing concrete arch bridge and the grading, draining and concrete paving of about 0.6 miles of approach roadway.

BIDS WANTED

PLACER COUNTY, Cal.—Until May 15, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, District III, Marysville Hotel, Marysville, for the construction of a bridge across Ward Creek, consisting of two 25 ft. slab spans on concrete pier and abutments with wing walls, about 2.7 miles south of Tahoe City, Placer County. The bridge will provide a clear roadway width of 24 ft. with two 4 ft. sidewalks. The work involves:

(1) 1 only timber box culvert (detour
(2) 280 cu. yds. struc. excav.;
(3) 750 cu. yds. rdwy. excav. unclass.;
(4) 400 sq. yds. subgrade for surfacing;
(5) 1 only timber bridge removed and disposed of;
(6) 120 cu. yds. Class A Port. cement conc. footing blocks;
(7) 190 cu. yds. Class A Port. cem. conc. structures;
(8) 6 cu. yds. Class A Port. cem. conc. railing;
(9) 25,000 lbs. bar reinforcing steel;
(10) 12 M. gals. water for detour and roadway embankments;
(11) 1 lot miscellaneous items of work

Plans and specifications obtainable from above office

BIDS OPENED

CLACKAMAS COUNTY, Ore.—Parker-Schram Co., Couch Bldg., Portland at $19,934.50 submitted low bid to the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26 for the construction of a railroad bridge over East Portland-Oregon City Highway at the south city limits of Portland.

Complete bids follow:

Parker-Schram, Portland	$19,934.50
Hoffman Const. Co., Portland	21,180.00
Feigenson Cost. Co., "	22,505.00
Portland Bridge Co., Portland	22,895.00
Birkemeier & Saremal, "	24,460.00

All bids held under advisement.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until May 21, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, in the Supervisors' Room, Courthouse, Sacramento, for constructing a redwood trestle 418 ft. long with concrete deck and timber bulkheads, on the Wilder Ferguson Road over the Cosumnes River in Sacramento County. The work involves:

(1) 3032 lin. ft. redwood piling in place;
(2) 7084 F.B.M. select all heart redwood struc. caps in place;
(3) 4352 F.B.M. bulkhead material and cross brace material, select all heart redwood in place;
(4) 64,640 F.B.M. stringers, stringer scabs and bridging, dense select all heart redwood in place;
(5) 14,350 F.B.M. railing posts, wheel guards and blocks in place;
(6) 18,436 F.B.M. struc. redwood subfloor in place;
(7) 195.52 cu. yds. concrete in place;
(8) 22,233 lbs. reinf. steel in place;
(9) 250 cu. yds. struc. excav. and back fill;
(10) Lump sum, removal of old structure, etc.

The contractor will be required to employ residents of Sacramento County. Plans and specifications obtainable from County Engineer Charles W. Deterding.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until May 21, 10 A. M., bids will be received by the Sacramento County Bd. of supervosirs in the Supervisors' Room, Court House, Sacramento, for

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

construction of 481 lin. ft. of new timber deck on existing piles at South End of Fair Oaks Bridge at Fair Oaks, Sacramento County. The work involves:

(1) 70,000 FBM dense select all heart structural redwood stringer scabs, etc.;
(2) 8800 FBM select all heart structural redwood caps;
(3) 16,781 FBM select all heart structural redwood posts, wheel guards, rails, etc.;
(4) 9640 sq. ft. laminated floor, 3x6, dense select all heart struc. redwood;
(5) 8676 sq. ft. bituminous treated crushed gravel or stone surfacing, plant mixed;
(6) 3000 FBM possible bracing replacements; No. 1 common Douglas Fir, yard lumber, (material only, labor included in item 7).
(7) Lump sum, to cover removal of old material.

The contractor will be required to employ residents of Sacramento County. Plans and specifications obtainable from County Engineer Charles W. Deterding.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until May 21, 10 A. M., bids will be received by the Sacramento County Board of Supervisors in the Supervisors' Room, Court House, Sacramento, for construction of a redwood trestle 284 lin. ft. long with concrete deck on the Lower Marysville Road,, 1½ miles north of Sacramento. The work involves:

(1) 49,552 F.B.M. dense select all heart struc. redwood stringers and bridging;
(2) 5628 F.B.M. select all heart struc. redwood caps;
(3) 5220 F.B.M. select all heart struc. redwood bracing, etc.;
(4) 9754 F.B.M. select all heart struc. redwood posts, railings, guardrails, etc.;
(5) 7240 sq. ft. all heart structural redwood sub-floor;
(6) 2898 lin. ft. redwood piling;
(7) 145 cu. yds. conc. in deck slab;
(8) 21.7 cu. yds. conc. in abutments;
(9) 18,700 lbs. reinf. steel;
(10) 50 cu. yds. structure excav.;
(11) Lump sum, removal of old struc. detour, etc.

The contractor will be required to employ residents of Sacramento County. Plans and specifications obtainable from County Engineer Charles W. Deterding.

BIDS WANTED

SACRAMENTO COUNTY, Cal. — Until May 21, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, in the Supervisors' Room, Court House, Sacramento, for constructing a redwood trestle 513 feet long with concrete deck on the Lower Stockton Road at Bensons Ferry in Sacramento County. The work involves:

(1) 3728 lin. ft. redwood piling in place;
(2) 8316 F.B.M. redwood caps, in place
(3) 2944 F.B.M. redwood cross bracing for piles in place;
(4) 67,163 F.B.M. redwood stringers, scabs and bridging in place;
(5) 22,616 F.B.M. redwood sub-floor in place;
(6) 16,312 F.B.M. redwood posts, railings, blocks, etc., in place;
(7) 236.3 cu. yds. concrete in place;
(8) 27,125 lbs. reinf. steel in place;
(9) Lump sum, removal of old struc.

The contractor will be required to employ residents of Sacramento County. Plans and specifications obtainable from County Engineer Charles W. Deterding.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal. —San Francisco Bridge Co., 503 Market Street, San Francisco, at $0.1172 submitted only bid and awarded contract by the Stockton Port Commission for dredging approximately 80,000 cu. yds. of material from the Stockton Deep Water Channel.

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal. —Hydraulic Dredging Co., Central Bank Bldg., Oakland, at $0.13 per cu. yds. submitted low bid to the Stockton Port Commission and awarded the contract for dredging approximately 700,000 cu. yds. of material from south side of Stockton Channel and Slip No. 1.

Standard Dredging Co., Los Angeles, submitted the only other bid at $0.14 per cu. yd.

BIDS OPENED

DUWAMISH, Wash.—Puget Sound Bridge & Dredging Co., 2929 S. W 16th St., Seattle, Wash., at $0.1575 per cu yd., total $80,797 submitted low bid to the U. S. Engineer Office, Seattle, for dredging 513,000 cu. yds. of material from Duwamish waterway General Construction Co., Seattle, at $0.18 per cu. yd., total $92,340 submitted the only other bid.

Bids have been forwarded to the Division Engineer in San Francisco for award or rejection.

Bids were previously opened and rejected on the same project, at which time the Puget Sound Bridge & Dredging Co. bid $0.169 per cu. yd., total, $86,697; and the General Construction Co. bid $0.18 per cu. yd., total $92,340.

The Engineer's estimate for the work is $0.128 per cu. yd.

FUNDS ASKED

VENTURA, Ventura Co., Cal.—City of Ventura has applied to the Federal government for straight government financing to construct a breakwater at Ventura Harbor. City Manager A. E. Stockburger and Harbor Engineer Geo. F. Nicholson have submitted to Maj. H. H. Stickney, U. S. Engineer at Los Angeles, a report showing preliminary details of the project.

The proposed breakwater will extend from Ventura Ave. in a southeasterly direction and will be approximately 3000 ft. in length. The first section of 800 ft. will be built of steel sheet piling, the second section of 2,200 ft. to be built of standard heavy rock with core of steel sheet piling.

Estimated cost, $610,000.

23—IRRIGATION PROJ.

CONTRACT AWARDED

STANFIELD, Ore.—J. A. Terteling & Sons, Boise, Idaho, at $49,593.50 awarded contract by the U. S. Bureau of Reclamation, care Stanfield Irrigation District, Stanfield, Ore., for the construction of siphons and a tunnel, furnishing canal and earthwork and structures for Drain No. 1, Stanfield Project, under Spec. No. 568.

25—MACHINERY AND EQUIPMENT

NO BIDS RECEIVED

SAN FRANCISCO.—No bids were received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for the sale of one G. E. motor generator charging set, 15-k.w., type M 1 C, 1-circuit, 3-phase, 440 volt, under Sale No. 104, Lot No. 1.

BIDS OPENED

SAN FRANCISCO. — Following bids received by the Procurement Division, Veterans Administration, Washington, D. C., for furnishing for San Francisco:

(1) 1 bucket pump;
(2) 1 battery charger;
(3) 1 air compressor.

The bids were:

Engineering Equip. Sales Co., (2) $18 (3) $162; 1% f.o.b.

France Mfg. Co., (2) $19.95; 2% fob.

Allen Elec. & Equip. Co., (2) $21.10; 2% fob.

Westinghouse Elec. & Mfg. Co., (2) $23.76; 2% fob.

Baldor Elec. Co., (2) $25 and $34.50; 2% fob.

Hobart Bros. Co., (3) $161.50 fob.

Dayton Air Compressor Co., (3) $167.78 and $183.98; 2% fob.

Curtis Mfg. Co., (3) $170.98.

U. S. Air Compressor Co., (3) $177.50 and $210.50; 2% fob.

Worthington Pump & Mchy. Corp., (3) $201.70.

Westinghouse Traction Brake Co., (3) $211.05 fob.

Kellogg Mfg. Co., (3) $198.25; 2% fob.

Gardner-Denver Co., (3) $217.91; 2% fob.

Ingersoll-Rand Co., (3) $220.

Brunner Mfg. Co., (3) $240.40; 2%.

No bids were received on item 1. Proposal 590-M.

BIDS OPENED

NORTH HOLLYWOOD, Cal.—Following bids received by State Purchasing Agent, Sacramento, for furnishing tractor for North Hollywood, Req. No. 6665:

Smith Booth Usher, L. A., $2633.70; discount, $190.45, 30 days.

Shepherd Tractor & Equipment Co., Los Angeles, $2697.96; discount, 2% 30 days.

Crook Co., Los Angeles, $2697.96; discount, 2%, 30 days.

J. D. Adams Co., Los Angeles, $2810; 2%, 30 days.

Bids held under advisement.

CONTRACTS AWARDED

SAN FRANCISCO, Cal.—Following bids received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for the sale of equipment as follows: (Sale No. 103).

(1) 1500 lin. ft. 3-in. std. black pipe; and 2 54-in. 16-ft. oil storage tanks C. W. Marwedel, San Francisco, submitted the only bid at $260. The bid was rejected.
(2) 1 used 100 hp. 440 volt, 865 R.P.M. Allis Chalmers motor, with starter, Woodbridge Fruit Co. submitted the only bid and awarded contract at $355.
(3) 1 used American radial drill with motor. H. G. Stelling submitted only bid and awarded contract at $300.
(4) 2 used Armstrong mucking machines. Clyde Wayland, San Francisco, submitted only bid and awarded contract at $200.

CONTRACT AWARDED

LODI, Cal.—Patchetts & Carstensen, Inc., Newman, Cal., at $1551.15 plus tax, $38.28, total $1589.43 awarded contract by the Lodi Union High School District for furnishing the body for a new school bus.

Frank A. Devine, 800 E. Main St., Stockton, at $1665, plus $55 for spare tire, total, $1720 plus tax, $43, net total $1763 submitted only bid for the chassis for the school bus.

R. J. Stuck, Clerk of the Board of Trustees.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing rental of one well rigging outfit under Bid No. D. P. M. 288, were

pened by the U. S. Forest Service pril 30. The bids were:

George C. Paonessa (1) rental price er month, $24; (2) purchase price, $2-50.00.

L. E. Thompson, (1) $18; (2) $3996.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furlshing rental of tractor with option o purchase were opened by the U. S. orest Service, under Bid No. D.P.M. 71, April 26. The bids were:

Crook Co., (1) rental $275; (2) purhase price $2050 "30" caterpillar with ulldozer.

Smith, Booth, Usher Co., (1) $345 2) $3200 Cletrac 35 with Wooldridge railbuilder.

Peter L. Ferry, (1) $300; (2) $3000 30" caterpillar.

Mack-Wooldridge, (1) $275; (2) $1,-00 caterpillar "30" with Wooldridge railbuilder.

Brown-Bevis Co., (1) $375 (2) $2300, llis-Chalmers with bulldozer.

BIDS OPENED

LOS ANGELES, Cal.—Following bids eceived by the U. S. Forest Service pril 26 under Bid No. D.P.M. 266, or the rental, with option to purhase, of one power shovel:

Leo Gibbons (1) rental $575; (2) purhase price, $5,000.

Lang Transportation Co., (1) $825; 2) $8,000.

Pacific Crane & Rigging Co., (1) 925; (2) $8,000.

California Equip. Co., (1) $815; (2) 5500.

Leigh M. Railsback, (1) $620; (2) 4500.

Mono Const. Co., (7) $950; (2) $10,-00.

Garlinghouse Bros., (1) $500; (2) $5,-00.

Wieland Equip. Co., (1) $998.40 (2) 6250, and $696.50 and $5500.

C. G. Willis, (1) $675; (2) $7000.

Brown-Bevis Co., (1) $750; (2) $3850.

C. J. Coffey, (1) $750; (2) $5000.

A. J. Callahan, (1) $950; (2) $11,000.

Harron, Rickard & McCone, (1) $865 2) $3800.

BIDS OPENED

NAPA AND SONOMA COUNTIES—Following bids received by J. W. Adams Maintenance Superintendent, Department of Public Works, Division of Highways, 1019 Pearl St. Napa, for the rental of one tank truck for approximately 40 days:

Palo Alto Materials Co., Palo Alto, 750 gal tank, $40.

Helwig Constr. Co., Sebastopol, 1200 gal. tank, $50.

Basalt Rock Co., Napa, 1500 gal. tank, $50.

All bids held under advisement.

BIDS OPENED

CALIFORNIA STATE.—Bids for the rental of shovels and rollers for use on State Highway VI; Ker-58-D, Sivert to Haypress Canyon, were opened by the State Highway Department at the office of the District Engineer, R. M. Gillis, April 18. The bids were:

SHOVELS

Rix Co., 810 Santa Fe Ave., Los Angeles—Loraine 1¼ yard, Model 75A R 540, $895 month; delivery 10 days; minimum rental, 5 months; rebuilt 90 days warranted.

Rix Co.—Loraine 1¼ yd., Model 1¼ rebuilt, 90 days warranted, Model 75A R 641, $895 month; delivery 10 days; minimum rental 5 months. Price $11,-295, if purchased.

Osgood Co., care of Spears Wells Co. Oakland—Osgood 1¼ yd., demonstrator, Conqueror 3D 2602, $3.54 hour for 192 hours per month; delivery 4 days; all repairs; minimum rental 6 months.

A. L. Young Machinery Co., 26-32 Fremont St., San Francisco—Lima 1¼ yd., Model 101 263, rebuilt, $550 mo. in single shift; $825 month in double shift; delivery 10 days; "Code"; minimum rental 6 months; 12 months in service; freight $1030 extra.

A. L. Young Machinery Co.—Lima 1¼ yd., 101-276; rebuilt; same price as above.

P. J. Callahan, 163 Second St., San Francisco—Lima 1¼ yd., Model 101-221 $3.25 per hour, delivery 10 days; concessions 50% elapsed time, owner will repair breakage, state to repair wear, 16 months in service. Same, Northwest 1½ yd., Model 6, 1930, $3.50 per hour, delivery 10 days; 50% elapsed time; owner repairs breakage, state wear; in service 22 months.

Harnischfeger Sales Corp., 82 Beale St., San Francisco—P. & H. 1¼ yard, Model 700-3356, rebuilt; $4.25 per hour, delivery 30 days; concessions, excess of one-half hour time if due to failures; major repairs by owner, maintenance by state; 2 years in service.

Northwest Engr. Co., 255 10th St., San Francisco—Northwest 1¼ yard, rebuilt; $1252 month 1st and last mo., $825 per month intervening months; delivery 5 days; all repairs by state; minimum rental 3 months (60 hours week). Same, Northwest 1¼ yd., rebuilt shovel, same price.

Crook & Co., 2900 Santa Fe Ave., Los Angeles—Northwest 1¼ yd., Model 5-3391, $2.85 per hour; delivery 10 days no charge of over 8 hours; all repairs by state; 500 days in service.

Smith, Booth, Usher Co., 2001 Santa Fe Ave., Los Angeles—Loraine 1¼ yd., 75-B, 4354, $3.50 per hour; delivery 2 to 3 days; concessions, no charge if over 30 minutes due to failure, all repairs by state; in service 1½ years. Same, Loraine 1¼ yd., 75-B, 4659, $3.50 per hour; delivery approx. 21 days; other terms same as above; in service 1½ years.

Bevis Machinery Co., 3649 Santa Fe Ave., Los Angeles—Link Belt 1¼ yd., K-38, 1530, $3.25 per hour; delivery 10 days, rent cancelled during repair period; all repairs by state; 2 years in service. Same, Northwest 1¼ yd., Model 104, 2520, $3.00 per hour; delivery 10 days; other terms as above; in service 3 years.

R. L. Oakley, 1861 Waverly Street, Palo Alto—Northwest 1¼ yd., Model 104, 2484, $3.20 per hour, delivery six days; repairs exceed 1 hour, no rent, all repairs by state; 18 months in service; shovel is ½ mile north of West Water Works—see H. M. Prewitt, 2531 H St., Bakersfield. Same, Northwest 1½ yd. bucket, same model, $3.70 per hour; other terms same as above.

A. J. Callahan, 926 S. Rimpau Blvd., Los Angeles—Northwest 1½ yd. Model 6, 3240, $4.00 hour; delivery 3 days; concessions; state to pay one-half rent or $2 per hour; all repairs by state; 1½ years in service. Same, model 6, 3260, $4 per hr.; other terms as above.

ROLLERS

Smith, Booth, Usher Co., Los Angeles—Galion Model 12T Series No. 1503, 10 months in service; 2 speeds forward, 2 reverse; 85c per hour; delivery 1 to 3 days; concessions, no charge for failure of parts; owner furnish parts, state make minor repairs; minimum 60 work hours per week. Same, Galion 12T Series No. 1886, in service one month; $1.10 per hour; delivery 1 to 3 days; other terms as above.

Crook Co., Los Angeles — Buffalo Springfield VM 33, Series No. 15708, in service 2 months; 3 speeds forward, $1.10 per hour; delivery 30 days; furnish all repair parts; fault or accident; no charge for idle time or defective material; owner furnish all repair parts (except in case of incompetent operator); remainder of repairs by state. Same, Model VM 36, Series No. 12904, rebuilt; 2 speeds forward, two reverse, 85c per hour; other terms as above.

28—FIRE EQUIPMENT

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing a fire truck chassis under Proposal No. 517:

Paramount Mfg. Co., Mills Bldg., San Francisco, bidding on a Kleiber truck, $2350.

Fageol Truck & Coach Co., Hollywood and 107th Ave., Oakland, $2039.

Bids held under advisement.

30—RESERVOIRS & DAMS

BIDS WANTED

BONNEVILLE, Oregon—Until May 25, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Oregon, for the construction of the main spillway dam and appurtenant works for the Bonneville Power, Navigation Project at the Bonneville Dam site on the Columbia River, 40 miles east of Portland. The spillway dam will be of the concrete gravity type consisting of an overflow spillway section with abutments, cutoff walls, wing walls and fishways at either end. The dam will be 1100 feet long, about 180 feet in maximum total height from bottom of foundation at aboue lev. 77 to top of roadway girdeers at elev. + 99. It will be 165 feet wide with the spillway at elev. + 24 feet, surmounted by piers 75 feet high. The dam will be built in blocks about 40x60 feet in plan, by 5 feet high, formed at the ends to key them together. The resulting contraction joints will be provided with systems of pipes for presusre grouting after shringake. The work will involve:

(1) 20 acres clearing and grubbing:

EXCAVATION

(2) 800,000 cu. yds. common above elev. +20;
(3) 100,000 cu. yds. rock;
(4) 500,000 cu. yds. common subaqueous below elev. +20;
(5) 70,000 cu. yds. rock subsqueous below elv.+20;
(6) 500,000 cu. yds. common inside cofferdams, below elev.+20;
(7) 200,000 cu. yds. rock inside cofferdams, below elev.+20;
(8) 100,000 cu. yds. impevious borrow
(9) 14,000 cu. yds. cutoff trenches under dam and apron;
(10) 6000 cu. yds. abutment cutoff trenches; e
(11) 30,000 sq. yds. trimming foundation rock;
(12) 500 lin. ft. of depth test piles in foundation area;
(13) 2,000,000 sta. yds. overhaul;

FILL

(14) 450,000 cu. yds. backfill abutments and wingwalls;
(15) 400,000 cu. yds. rolled fill in levees

ROCK REVETMENT

(16) 50,000 cu. yds. Bradford Island shore;
(17) 60,000 cu. yds. Washington shore,

COFFERDAM.

(18) 15,000 cu. yds. cofferdam crib footing excavation;
(19) 7500 MFBM timbtr and lumbtr;
(20) 180,000 cu. yds. fill in cribs;
(21) 90,000 sq. ft. steel sheet piling;
(22) 200,000 cu. yds. toe and shore fill;
(23) 5000 cu .yds. seal, subaqueous concrete;
(24) 30,000 cu. yds. sea, selected clay and gravel fill;
(25) 180,000 cu. yds. removal of cofferdam;
(26) 40,000 acre ft. pumping;

CONCRETE

(27) 45,000 cu. yds. Class A in dam, abutment walls and abutment cutoff walls;
(28) 50,000 cu. yds. Class A in wingwalls and fishways;
(29) 1500 cu. yds. Class A, special (architectural);

(30) 440,000 cu. yds. Class B in dam and apron;

REINFORCING STEEL

(31) 4,000,000 lbs. in piers, apron and cutoff wall;
(32) 8,000,000 lbs. girders, wingwalls and all other reinforcing steel;

STRUCTURAL STEEL

(33) 4,000,000 lbs. structural steel, carbon;
(34) 900,000 lbs. structural steel, copper bearing;

MISCELLANEOUS

(35) 108,000 lbs. steel castings;
(36) 30,000 lbs. rust resisting steel sealing plates;
(37) 40,000 lbs. installing fishway anchors and guides;
(38) 10,000 lin. ft. foundation grout pipe;
(39) 6000 lin. ft. drilling foundation grout holes;
(40) 20,000 cu. ft. foundation grouting;
(41) 110,000 lbs. contraction joint grout pipe, including pressure recording pipe with fittings;
(42) 5000 cu. ft. contraction joint grouting;
(43) 6000 lin. ft. copper water stops;
(44) 6000 lin. ft. iron grout stops;
(45) 13,000 lin. ft. electrical conduit, fiber;
(46) 5000 lin. ft. electrical conduit, metal;
(47) 4000 lin. ft. copper ground wire;
(48) 200 MFBM timber in laminated deck;
(49) 40,000 lbs. miscellaneous items of metal work;
(50) 8000 lin. ft. 3½-in. heater pipe;

ALTERNATE—COFFERDAM BID

(51) Per cu. yd. Cofferdam crib footing;
(52) Per MFBM timber and lumbtr;
(53) Per cu. yd. fill in cribs;
(5) Per sq. ft. steel sheet piling;
(55) Per cy. yd. seal, subaqueous concrete;
(56) Per cu. yd. seal, selected clay and gravel fill;
(57) Per cu. yd. removal of cofferdams
(58) Per acre ft. pumping.

Bids will be canvassed on the basis of the total if items 1 to 50, inclusive, and for alternate cofferdam plans which the contracting officer consider equal or better in stability, height, water tightness and rowking space than that specified, bids will be canvassed on the basis of the total of items 1 to 17, 27 to 50 and 51 ao 61, all inclusive.

Bid security in the sum of 20% of amount bid will be required.

The work shall be commenced within 10 calendar days after the date of receipt by the contractor of notice to proceed and shall be completed on or before December 31, 1937.

1 Performance bond in the sum of $1,500,000 shall be furnished. (individual sureties will justify in sum aggregating not less than double the penalty of the performance bond).

All work necessary to be done within unwatered main cofferdams shall be completed on or before April 1, 1937. The balance of the work is to be completd on or before December 31, 1937. Delay in completion of work necessary to be done in unwatered main cofferdams shall cost the contractor $1500 per calendar day in liquidated damages. Delay in completion of balance of work, $500 per calendar day.

The construction program proposed by the United States contemplates that the entire work shall be completed during three and one-half low-water seasons, the main dam structure being constructed in two major steps.

1934-35 (1st low-water season) Excavation for channel enlargement and construction of the outer portion of the U-shaped cofferdam in the middle of the river.

1935-36 (2nd low-water season) Connection of the cofferdam with Bradford Island to enclose the south half of the dam-site. The south half of the dam shall be built complete, except for diversion slots between the piers. Removal of legs of cofferdams.

Third low-water season—Construction of the upstream and downstream closure cofferdams to connect the Washington shore with the river cribs remaining from the work of thefirst cofferdam. Construct north half of dam complete within this enclosure. Removal of upper sections of all cofferdams.

1937 (1st 4 months of 4th low-water season) Diversion slots between piers of the south half of the main dam shall be closed; the balance of all work completed.

Specifications and drawings obtainable from the above office and on file at the Pacific Division Office, Customhouse, San Francisco. Major C. F. Williams, District Engineer. Invitation for Bids No. 34-647.

BIDS OPENED

BOULDER CANYON, Nev.—Following bids received by the U. S. Bureau of Reclamation, Denver, R. F. Walter, Chief Engineer, for furnishing and delivering f.o.b. cars at bidders shipping point or at Boulder City, steel discharge passage liners for turbine pressure regulators in the Boulder power plant. Specifications No. 612-D. Bids opened April 23.

John W. Beam, Denver, (Delivery point) Denver, $10,950.

Consolidated Steel Corp., Ltd., Los Angeles, $11,808.

Southwest Welding & Mfg. Co., Alhambra, Cal., Alhambra, $13,519.

McClintic-Marshall Corp., Bethlehem Pa., Chicago, $13,520.

Commercial Iron Works, Portland, Portland, $14,830.

Allis-Chalmers Mfg. Co., Milwaukee, West Allis, Wis., $18,610.

Chicago Bridge & Iron Co., Chicago, Chicago, $21,625.

S. Morgan Smith Co., York, Pa., York, $22,581.

Alco Products Inc., 30 Church St., New York, Boulder City, $23,815.

Alco Products, Inc., specified ninety days delivery; all others, 60 days. J. W. Beam offered ½% 10 days discount.

BIDS WANTED

ST. HELENA, Calif.—Until May 7, 8 P. M., bids will be received by the St. Helena City Council, E. Palmer, City Clerk, in the Town Hall, for the completion of the spillway for Dam No. 16-1 of the Municipal Water Works, the materials to be furnished by the City.

Plans and specifications obtainable from John A. Mitchell, City Engineer, W. L. Huber 1 Montgomery St., San Francisco, Consulting Engineer.

TO ASK BIDS

LOS ANGELES, Cal.—New bids for the construction of plant and distribution system for applying water to the faces of San Gabriel Dam No. 2 will be asked by the Los Angeles Board of Supervisors as soon as the specifications have been revised. All bids received April 23 were rejected.

PROSPECTIVE BIDDERS

BONNEVILLE, Ore.—The following have procured plans for the construction of the main spillway dam and appurtenant works at the Bonneville dam on the Columbia river, 40 miles east of Portland, for which bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, May 25, 3 P. M., as previously reported:

Guy F. Atkinson Co., 658 Russ Bldg., San Francisco.

General Const. Co., Sharon Building, San Francisco.

Geo. F. Fuller Co., 597 Madison Ave. New York City.

Teufel & Carlson, 808 Skinner Bldg., Seattle.

Hauser Const. Co., Multnomah Hotel, Portland.

Six Companies, Inc., Financial Center Bldg., San Francisco.

W. A. Bechtel and H. J. Kaiser, 155 Sansome St., San Francisco.

Fraser-Brace Corp., 420 Lexington Ave., New York City.

Utah Const. Co., 1 Montgomery St., San Francisco.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Morrison-Kundsen Co., Boise, Ida.

31—PIPE LINES & WELLS

BIDS WANTED

FORT PECK, Mont.—Until May 10, bids will be received by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for constructing a water supply pipe-line from Camp Water Distribution System, Fort Peck, to the Missouri River.

Specifications obtainable from above office.

BIDS OPENED

NAPA, Cal.—R. L. Norris, 3975 8th Ave., Sacramento, at $4457 submitted low bid to Division of Architecture, Sacramento, May 1, for drilling a water well at the Napa State Hospital, and bid $150 for testing.

Western Well Drilling Co., Ltd., San Jose, at $5175 for drilling the well and $125 for testing, submitted second low bid.

O. J. Pearson, Napa, submitted a bid at $4131 for drilling and $100 for testing, but did not enclose a certified check.

All bids held under advisement.

32—SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

ONTARIO, Cal.—James Noon, 231 E. Vineland Ave., Baldwin Park, at $65,793 awarded contract by Ontario city council April 23 for constructing an activated sludge type sewage disposal plant and an outfall sewer system.

Complete bids published Feb. 21.

BIDS WANTED

WHITTIER, Calif. — Until May 7, 7:30 p. m., bids will be received by the Whittier City Council for chlorinating equipment to chlorinate sewage, at the City of Whittier's sewage disposal plant.

Specifications may be obtained from M. R. Bowen, City Engineer, 205 Greenleaf Ave., Whittier.

Debbie E. Allen, City Clerk.

CONTRACT AWARDED

FRESNO, Cal.—E. W. Redman, Dudley St., Fresno, at $1100 awarded contract by the Southern Pacific R. R. Co. for constructing a sewer in the Ball tract of the railroad between Church and California avenues.

CONTRACTS AWARDED

MONTEREY, Monterey Co., Calif.—W. J. Tobin, 3701 Balfour Ave., Oakland, at $67,893 awarded contract by the Monterey City Council for constructing the intercepting sewers of the Monterey Sewer System.

Central Foundry Co., 100 Potrero Ave., San Francisco, at $7,951 awarded contract by the Council for furnishing pipe for the outfall sewer.

George E. Miller, 9401 Brighton Way Beverly Hills, at $5,000 awarded contract by the City Council for installing the outfall sewer.

33—WATERWORKS

BIDS WANTED

SEATTLE, Wash.—Until May 3, 10 A. M., bids will be received by Seattle Board of Public Works, Room 511, City-County Bldg., Seattle, for furnishing pipe, valves, fittings, etc., to be used in construction of water mains hydrants, and appurtenances for Railroad Ave. sea wall, paving, filling, etc. under Ordinances 62123 and 64218.

Plans and specifications obtainable from the city engineer, 4th floor of the County-City Bldg., and on file in the office of the secretary of the Board of Public Works, G. W. Roberge.

PLANNED

GALT, Cal.—The Board of Directors of the Galt County Water Dist. plans to hold a $50,000 bond election in the near future.

BIDS OPENED

SAN FRANCISCO—Central Foundry Co., 100 Potrero Ave., at $0.60 per lin. ft., submitted low bid to T. A. Brooks, Purchasing Agent, 270 City Hall, for furnishing 50,000 ft. 6-in. cast iron water pipe under Bid No. 1184. The other bids were:

U. S. Pipe & Foundry Co., San Francisco, $0.612.
Utilities Supply Co., Los Angeles, $0.625.
Pacific States Cast Iron Pipe Co., San Francisco, $0.63.
American Cast Iron Pipe Co., San Francisco, $0.63.

Bids held under advisement.

BIDS OPENED

LONG BEACH, Cal.—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, at $1422 submitted low bid to the Long Beach City Board of Water Commissioners April 30 for furnishing three pressure tanks and delivering them to the Long Beach Water Department at Wardlow Road and Walnut Ave.; Spec. No. W. D. 20. Complete bids follow:

Consolidated Steel Corp. $1470.00
Pacific Iron & Steel Co. 1566.00
Lacy Mfg. Co. 1695.00
Southwest Welding & Mfg. Co. 1725.00
National Tank & Mfg. Co. 1740.45
American Pipe & Steel Co. 1860.00
Vernon Tool Co. 2088.00

34—PARKS AND PLAY-GROUNDS

TO ASK BIDS

SAN RAFAEL, Marin Co., Cal.—Marin Junior College will ask bids shortly for the construction of two new tennis courts at the Marin Junior College, San Rafael. Date of opening bids was previously reported as April 30, but has been delayed and a new bid call will be issued shortly.

CONTRACT AWARDED

PHOENIX, Ariz.—Keystone Steel & Wire Co., Peoria, Ill., awarded contract by Department of the Interior at $4562 for furnishing fencing material for Phoenix.

29—STREETS AND HIGHWAYS

BIDS REJECTED

UMATILLA COUNTY, Ore.—All bids received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26, for 5.2 miles of road mix surface treatment on the North Unit, Cold Springs-Holdman Section of the Pendleton-Cold Springs Highway were rejected.

The bids were:

Joplin & Eldon, Portland $16,680
Newport Const. Co., Portland 17,265

BIDS WANTED

SONOMA COUNTY, Cal.—Until May 14, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, John H. Skeggs, District Engineer, District IV, Room 211, State Bldg., San Francisco, for surfacing with crusher run base and applying bituminous surface treatment on about 0.83 mile in Sonoma County between Vineburg junction and the easterly boundary.

The work involves:

(1) 4,000 tons crusher run base, in pl.;
(2) 500 tons screenings in place;
(3) 125 bbls. light fuel oil in place;
(4) 35 tons emulsified asph. road oil in place;
(5) 524 lin. ft. 8-in. perforated metal pipe underdrains;
(6) 120 cu. yds. structure excavation.

Plans and specifications obtainable from the above office.

BIDS OPENED

LANE COUNTY, Oregon—Edlefsen-Weygandt Co., 280 Front St., Portland, at $31,610.40 submitted low bid to the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26 for 1.06 miles of surfacing, grading and oil mat surface treatment on the Siuslaw river bridge approaches on the Oregon Coast Highway. Complete bids follow (bidding on No. 3 oil):

Edlefsen-Weygandt, Portland $31,610.40
E. C. Hall, Eugene 33,315.50
Saxton & Looney, Corvallis 33,396.50
C. T. Malcom, Portland 33,685.00
H. G. Johnson, Portland 38,134.00

Homer G. Johnson, Portland, submitted an alternate bid on tar at $38,-404.00.

All bids held under advisement.

BIDS WANTED

FRESNO COUNTY, Cal.—Until May 23, 2 P. M., bid swill be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 0.5 mile, bet. Tulare Street and Stanislaus Street in the City of Fresno. The work involves:

(1) 3850 tons asphalt concrete;
(2) 14,000 sq. yds. asph. paint binder;
(3) 3000 sq. yds. subgrade for pave ,
(4) 3900 sq. ft. Class A Port. cem. conc. driveways;
(5) 8000 sq. ft. do gutters;
(6) 26,000 sq. ft. do sidewalks;
(7) 4100 lin. ft. do curbs;
(8) 252 lin. ft. 12-in. rein. conc. pipe, extra strength;
(9) 311 lin. ft. part circle C.M.P. culverts;
(10) 120 M. gals. water;
(11) 6 each sidewalk inlets;
(12) 1 storm water inlet;
(13) 1 storm water manhole;
(14) 35,000 sq. ft. exist. sidewalks and driveways to be removed and disposed of;
(15) 5000 sq. ft. exist. pave and gutters to be removed and disposed of
(16) 4500 lin. ft. exist. crubs to be removed and disposed of;
(17) 1 lot misc. culverts and drainage appurtenances to be removed and disposed of;
(18) 25 each electroliers to be moved and reset.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco, Los Angeles and the district in which the work is situated.

BIDS REJECTED

LANE COUNTY, Ore. — K. G. Enright, Eugene, Ore., at $1,861.80 submitted the only bid to the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26, for the Pacific-McKenzie Highway junction landscaping project on McKenzie Highway. The bid was rejected and the project ordered re-advertised.

NO BIDS RECEIVED

JACKSON COUNTY, Cal.—No bids were received by the Oregon State Highway Commission, Portland, April 26 for constructing 3.54 miles of roadbed widening and bituminous macdam on the Agate- Little Butte Creek Section of the Crater Lake Highway.

BIDS REJECTED

LOS ANGELES, Cal.—All bids received by the Los Angeles Board of Public Works April 18, for grading, paving, and otherwise improving the streets in the Kingman Ave. and Entrada Drive Imp. Dist. were rejected April 25.

O'Neal & Son, 8677 W. Pico Blvd., Los Angeles, at $20,449.96 submitted the low bid.

LOW BIDDERS

PIMA, Arizona—Copper Cities Lime & Stone Constr. Co., at $7405 submitted low bid to the Arizona State Highway Commission, Phoenix, April 25, for widening the present pavement and lengthening one culvert on the Geronimo Solomonsville Highway, N.R.M. 63-A, in the town of Pima.

Wm. Peper Constr. Co., Phoenix, at $8492 submitted second low bid.

LOW BIDDERS

ARIZONA STATE—Lee Moor Contracting Co., El Paso, Texas, at $86,-583 submitted low bid to the Arizona State Highway Commission, Phoenix, for grading draining, placing base course, and road mix on approximately 9.25 miles of the Prescott-Jerome Highway, N. R. S. 19-A and 19-B, beginning at the Ashfork-Jerome highway junction and extending northeasterly toward Jerome.

George W. Orr, Bisbee, Ariz., at $87,783; alt., $87,906, submitted second low bid.

BIDS OPENED

LOS ANGELES, Cal.—Griffith Co., 502 L. A. Railway Bldg., Los Angeles, at $3824.95 submitted low bid to the Los Angeles Board of Public Works, April 25, for grading paving and otherwise improving 6th St., between Mateo and Mill Streets, under Cash Contract.

BIDS OPENED

GLENDALE, Cal.—George R. Curtis Paving Co., 2440 E. 26th St., Los Angeles, at $26,603.10 submitted low bid to the Glendale City Council April 24 for resurfacing Canada Blvd., bet. San Gabriel Ave. and 500 ft. north of Verdugo Road, 1.47 miles in length. Complete bids follow:

G. R. Curtis Paving Co., Los Angeles, $26,603.10.
Southwest Paving Co., Los Angeles, $26,963.56.
Griffith Co., Los Angeles, $26,633.40.
Osborn Co., Los Angeles, $29,975.60.
O'Neal & Son, Los Angeles, $31,868.08
Gibbons & Reed, Burbank, $34,928.60.

All bids held under advisement. J. C. Albers, City Engineer.

AWARD RECOMMENDED

TILLAMOOK COUNTY, Ore.—F. C. Dillard and A. T. Dolan, Tillamook, at $157,684 recommended for award of contract for constructing or improving the McMinnville - Tillamook Reconstruction grading and subgrade reinforcement Project NR-1-A1, B, National Forest Road Project, Suislaw National Forest, Tillamook County, a length of approximately 4.4117 miles.

The recommendation was made by W. H. Lynch, District Engineer, U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland.

CONTRACT AWARDED

LEWIS and Pierce Cos., Wash.—R.

O. Dail, 2717 Simpson Ave., Aberdeen, at $50,314 awarded contract by the Wishington State Highway Directors April 25 for surfacing and stockpiling on about 78.1 miles of State Road No. 5, Mill Creek to Elbe and Kosmos to Packwood, Unit 1 of FPW Project No. 8003 in Lewis and Pierce Counties.

BIDS WANTED

LAKE COUUTY, Cal.—Until May 4, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Dist. 1, 546 Wabash Avenue, Eureka, for treating with fuel oil about 20.2 miles in Lake County between Middletown and Lower Lake Road. The work requires:

(1) 1330 bbls. heavy fuel oil;
(2) 1330 bbls. light fuel oil.

Plans and specifications obtainable from above office

CONTRACT AWARDED

WASHINGTON STATE. — Standard Asphalt Paving Co., 603 Chronicle Bldg., Spokane, at $91,295 awarded contract by the Washington State Highway Directors April 25 for constructing a bituminous treated surface by the road mix method on about 11.8 miles and constructing a non-skid seal coat on about 83.6 miles of State Road No. 2, Orondo to Wilbur, Unit 2 of FPW Project 7762, in Douglas, Grant and Lincoln Counties.

BIDS WANTED

ARIZONA STATE.—Until May 16, 2 P. M., bids will be received by Arzona State Highway Commission, Phoenix, T. S. OConnell, State Highway Engineer, for highway construction on the Winslow-Flagstaff highway. The work, which is located about 16 miles west of Winslow NRH 74 (AFE 6630), consists of grading, draining and placing base course and oil mix at the Sunshine railroad underpass, and involves:

(1) 1,200 cu. yds. roadway excavation;
(2) 58 cu. yds. Class A concrete;
(3) 2,500 lbs. reinforcing steel;
(4) 600 cu. yds. agg. base course;
(5) 1,800 sq. yds. furnish & place new oil mix;
(6) 3600 gals. road oil;
(7) 2 tons cutback asphalt.

Funds have been programmed for the construction of this project in the amount of $10,000.00. If contract unit prices indicate an amount in excess of the funds programmed, the length of the project will be shortened, if necessary to keep within the amount of money allotted.

Plans and specifications obtainable from the above office.

AWARD

KING and Snohomish Cos., Wash.—Wilder & Montfort, Boise, Wash., at $152,841 awarded contract by Washington State Highway Directors at Olympia April 25 for grading and surfacing with crushed stone about 5.5 miles of State Road No. 15, Money Creek to Halford, Unit 1 of U. S. P. W. Project NRM 189-B in King and Snohomish Counties.

BIDS WANTED

COCONINO COUNTY, Ariz. — Until May 22, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing subgrade reinforcement on 10.-945 miles on Section D of the Cameron-Desert View approach to Grand Canyon National Park, Coconino Co., Ariz. The work involves:

(1) 26,000 cu. yds. subgrade reinf.;
(2) 75,000 cu. yds. mi. hauling subgrade reinf.

Plans and specifications obtainable from the above office and from the office of the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS WANTED

STATE OF WASHINGTON.—Until May 15, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for bridge and highway construction as follows:

Skamania County—Grading and Constructing Bridge

Grading and constructing a reinforced concrete girder bridge 158 ft. long on about 1.3 miles of State Road No. 8, Underwood - West, U.S.P.W. Project NRH 112-D, in Skamania County, involving about 13 acres of clearing; 62,-250 cu. yds. of excavation; 404 cu. yds. of concrete; 83,600 lbs. of steel reinforcing bars; 1,135 lin. ft. pipe culverts, and other items.

Snohomish County—Bridge

Constructing a 140-ft. steel through span with two 33-foot reinforced concrete girder approaches on a portion of State Road No. 15, Money Creek to Halford Bridge over Barclay creek, Unit 3 of U.S.P.W. Project NRH 189-B in Snohomish County, involving about 398 cu. yds. of concrete; 245,000 lbs. of structural steel; 2,340 lin. ft. of timber piling, and other items.

Walla Walla Co.—Bituminous Mat and Seal Coat

Constructing a bituminous mat by the road mix method with a non-skid seal coat on about 1.7 miles of State Road No. 3, Attalia Revision; constructing a bituminous non-skid seal on about 6.5 miles of State Road No. 3, Wallula to Oregon state line and on about 9.1 miles between Touchet and Vansycle Canyon, all in Walla Walla County, Unit 2 of F.P.W. Project 3630 involving about 820 bbls. of bituminous cement (SC-2 road oil); 356 tons of bituminous cement (cutback asphalt RC-4) and other items.

King and Pierce Counties—Bituminous Mat

Constructing a bituminous mat by the bituminous macadam method on about 30.7 miles of State Road No. 5, Enumclaw to Park entrance, Unit 2 of Federal Public Works Project 6720, in King and Pierce Counties, involving about 14,150 cu. yds. of shoulder material; 2,630 tons of bituminous cement (cutback asphalt RC-4) and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS WANTED

GLOBE, Ariz.—Until May 16, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for street improvement in the city of Globe, NRM 91-C (AFE 511). The work, which lies within the city limits of Globe, consists of concrete pavement widening over a length of about 0.7 mile, and involves:

(1) 7260 sq. yds. grading;
(2) 7260 sq. yds. conc. pave., 6-in.;
(3) 1 box culvert extension;
(4) 2 2½-in. double catchbasins;
(5) 1 4-ft. double catchbasin;
(6) 2 drop inlets.

Funds have been programmed for the construction of this project in the amount of $26,481.97. If contract unit prices indicate an amount in excess of the funds programmed, the length of the project will be shortened, if necessary to keep within the amount of money allotted.

CONTRACT AWARDED

SHASTA COUNTY, Calif.—Tieslau Bros., 1315 Allston Way, Berkeley, at $12,462 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 34 miles in Shasta County between Redding and Viola.

CONTRACT AWARDED

SAN DIEGO COUNTY, Calif.—The Lambs Transfer Co., 828 Cowles St., Long Beach, at $6,217 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 28.2 miles of State Highway in San Diego County between Descanso and Morettis.

AWARD RECOMMENDED

BUTTE & TEHAMA CO'S., Calif.—Award of a contract to Clarence Young, 5250 Broadway Terrace, Oakland, at $133,236.50 for grading Section F of Route 21, the Deer Creek Meadows National Forest Highway, Lassen National Forest, Butte & Tehama Counties, has been recommended by Dist. Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

CONTRACT AWARDED

YOLO, SUTTER, COLUSA, GLENN and BUTTE COUNTIES, Calif.—E. F. Hilliard, 1355 43rd St., Sacramento, at $10 002 awarded contract by the State Highway Commision, Sacramento, for treating with fuel oil about 42.5 miles at various locations in Yolo, Sutter, Colusa, Glenn and Butte Counties.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until May 23, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with Portland cement concrete about 0.4 mile in Santa Clara County between College Avenue and Page Mill Road in the City of Palo Alto.

The work involves:

(1) 4,900 cu. yds. rdwy. excav., unclassified;
(2) 1,050 cu. yds. concrete removed from existing pave. and struc.;
(3) 1,300 cu. yds. imported borrow;
(4) 5,320 tons crusher run base;
(5) 20 tons asph. road oil, seal coat;
(6) 1,975 cu. yds. Class A Port. cem. conc. pave.;
(7) 330 cu. yds. do sidewalks, curbs and gutters;
(8) 15, cu. yds. do, ornamental walls;
(9) 44,000 lbs. bar reinf. steel pave.;
(10) 420 tons natural rock asph. bit. surfacing;
(11) 8 tons emulsified asph. road oil do
(12) 1,540 lin. ft. 4-in. vit. clay pipe;
(13) 260 lin. ft. 12-in. extra strength reinf. conc. pipe;
(14) 20 each raising manholes to grade
(15) 11 each catchbasins;
(16) 8 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

LOS ANGELES, Calif.—Until May 9, 10 a. m., bids will be received by the Los Angeles Board of Public Works for improving Sepulveda Blvd., from National Blvd. to Venice Blvd., under cash contract. The work involves:

(1) Lump sum, grading.
(2) 251,152 sq. ft. 8-in. compressed concrete.
(3) 106,643 sq. ft. 2-in. rock and oil roadway.
(4) 15,623 sq. ft. 4-in. do.
(5) 332 sq. ft. 8-in. concrete local depressions.
(7) 1841 sq. ft. rein. integral curb and concrete gutter, 1-ft. wide.
(8) 11,019 sq. ft. 3-inch cement walk.
(9) 350 sq. ft. 6-in. concrete gutter.
(10) 225 l. f. wooden guard rail.
(11) 671 l. f. concrete curtain wall.
(12) 86 c. y. rock fill.
(13) Lump sum, sanitary sewer.
(14) Lump sum, storm drain.
(15) Lump sum, reset 2 manholes.

Plans and specifications obtainable from the above office.

NOTICE TO BIDDERS

LOS ANGELES COUNTY. — Contractors who are interested in bidding on the grading and paving contract between Redondo Beach and Wilmington, road VII-L. R. -60-D- Tor., Los Angeles County, about 5 miles in length, bids for which will be opened in Los Angeles on May 17, are advised that a representative of this office will meet contractors who desire to inspect the work at the west end of the project, at the intersection of Elona Avenue and Redondo-Wilmington Boulevard, at 10 a. m., on May 9, 1934. This is the only time that a representative of this office will be available to show contractors over the work.

(Signed) S. V. Cortedyou,
District Engineer.

BID OPENING POSTPONED

DOUGLAS, Ariz.—Until May 11, 10 a. m., date extended from May 4, previously reported, bids will be received by the Arizona State Highway Commission, Pheonix, Arizona, for highway construction on the Benson-Douglas Highway, NRM 79-H, A. F. R. 505. Changes have been made in the specifications and conaractors are advised to procure the revised copies.

The work, which lies within the city limits of Douglas on "A" Avenue, a distance of approximately 0.6 mile, consists of widneing the existing pavement and placing curbs and gutters.

CONTRACT AWADDED

WASHOE COUNTY, Nevada—Union Paving Co., 624 Call Bldg., San Francisco, at $119,435.18 awarded contract by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for constructing a portion of the State Highway System in Washoe County, between the west city limits and the east city limits of Sparks, a length of 2.01 miles; Route 1, Section B-3.

Jack Casson, Hayward, at $128,-931.38 submitted second low bid.

CONTRACT AWARDWED

WHITE PINE COUNTY, Nevada—Isbell Constr. Co., Carson City, at $165,300.95 awarded contract by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for construction of a portion of the State Highway System in White Pine County, between 34 miles and 11 miles southwest of Ely, a length of 22.85 miles; Route 4, Section A2 and A4.

Dodge Constr. Co., Inc., Fallon, at $167,984.23 submitted second low bid.

BIDS REJECTED

HOOD RIVER COUNTY, Ore. — All bids received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26 for furnishing approximately 6,000 cu. yds. crushed gravel in stock piles on Parkdale Road production project on the Mt. Hood Highway, were rejected:

The bids were:

Schmeer & Willams, Portland	$15,360.00
A. Gentemann, Portland	16,260.00

BIDS REJECTED

TILLAMOOK COUNTY, Ore. — All blds received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Portland, April 26, for 1.28 miles roadbed widening and construction of a 66 lin. ft. treated timber trestle were rejected.

The blds were:

O. N. Pierce, M. L. O'Neil & Son, Portland	$20,777.50
Schmitt Const. Co., Portland	21,514.00
G. I. Stebbins Co., Portland	26,437.50

STOCKTON COTTON COMPRESS

COTTON COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif.
Stockton Waterfront.

One-story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.

Owner—City of Stockton (Port Commission), City Hall, Stockton.

Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).

Low Bidder—O. H. Chain, 41 S-Sutter St., Stockton, at $265,000.

Bids were taken as follows:

(1) Job complete;
(2) Job complete, except substituting secondhand web compress;
(3) Job complete, except substituting alternate type compless;
(4) Job complete, except omitting Unit E;
(5) Same at Item (2) do;
(6) Same as Item (3) do;
(7) Same as Item (1) omitting sprinkler system;
(8) Same as Item (2) do;
(9) Same as Item (3) do;
(10) Same as Item (1) omitting Unit E and sprinkler system;
(11) Same as Item (2) do;
(12) Same as Item (3) do;

Complete bids follow:

(A) O. H. Chain, Stockton.
(B) C. L. Wold, San Francisco.
(C) John Hackman, Stockton.
(D) Campbell Construction Co., Sacramento.
(E) K. E. Parker, San Francisco.
(F) L. S. Peletz, Stockton.
(G) Barrett & Hilp, San Francisco.
(H) MacDonald & Kahn, San Francisco.
(I) Lindgren and Swinerton, San Francisco.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)..	$265,000	$267,737	$272,000	$276,300	$277,660	$279,000	$286,763	$294,782	$307,731
(2)..	258,138	263,435	265,300	269,600	274,600	272,305	280,068	282,782	301,000
(3)..	251,313	267,737	259,000	290,300	265,250	266,000	274,050	.....	288,000
(4)..	239,861	244,565	243,000	251,300	251,700	251,000	260,806	268,782	279,731
(5)..	232,899	240,263	236,300	244,600	248,650	244,305	254,111	256,782	273,000
(6)..	226,174	244,565	229,000	255,300	239,350	238,000	247,293	.....	270,000
(7)..	241,217	244,399	248,600	247,600	254,250	255,652	257,409	271,444	284,400
(8)..	234,355	240,097	241,900	240,900	251,240	248,967	250,714	259,444	277,670
(9)..	227,530	244,399	235,600	261,600	241,900	242,662	244,698	.....	274,670
(10)..	220,379	225,441	233,600	227,300	232,850	227,662	235,747	245,444	256,400
(11)..	213,517	221,139	217,120	220,600	227,850	220,967	229,052	233,444	249,670
(12)..	206,692	225,441	209,820	241,300	220,050	214,652	223,034	.....	246,670

Bid of San Francisco Construction Co. was returned unopened because it was submitted after the hour for closing bids. All bids were held under advisement.

BIDS WANTED

SAN LUIS OBISPO COUNTY, Cal.—Until May 23, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 3.2 miles and surfacing portions with selected material in San Luis Obispo County between 6 miles east of Morrow and Atascadero Summit.

The work involves:

(1) 15 acres clear and grub right of way;
(2) 142,000 cu. yds. rdwy. excav., unclass.;
(3) 307,000 sta. yds. overhaul;
(4) 2,600 cu. yds. struc. excav.;
(5) 4,600 cu. yds. selected material;
(6) 15,500 mi. yds. haul on do;
(7) 490 cu. yds. Class A Port. cement concrete struc.;
(8) 47,000 lbs. bar reinf. steel, srtuc.;
(9) 268 lin. ft. 8-in. CMP;
(10) 482 lin. ft. 18-in. do;
(11) 564 lin. ft. 24-in. do;
(12) 44 lin. ft. 30-in. do;
(13) 88 lin. ft. 36-in. do;
(14) 92 lin. ft. 42-in. do;
(15) 174 lin. ft. 48-in. do;
(16) 146 lin. ft. 60-in. do;
(17) 70 lin. ft. 66-in. do;
(18) 86 lin. ft. 90-in. do;
(19) 94 lin. ft. 120-in. multi plate metal pipe;
(20) 17 each spillway assemblies;
(21) 360 cu. yds. rubble masonry;
(22) 20 sq. yds. paved inlet aprons;
(23) 6.6 miles new property fence;
(24) 30 each fence gates;
(25) 1,200 M. gals. water;
(26) 171 stations finishing roadway;
(27) 115 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at in San Francisco, Los Angeles, and the district in which the work is situated.

NO BIDS RECEIVED

WASCO COUNTY, Ore.—No bids received by the Oregon State Highway Commission, Portland, April 26, for 0.7 mile of bituminous macadam and shoulder construction on the Dalles Section of the Columbia River Highway, Wasco County.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA
POST STREET AT STOCKTON
SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

COMPLETE BID LISTING

COOS BAY, Ore.—As previously reported, the Northwest Roads Co., Park Rose, Portland, at 1,529,438 on Units "A", "C" and "D", and the Virginia Bridge & Iron Co., Roanoke, Va., at $593,880, on Unit "B" awarded contracts by the Oregon State Highway Commission, Portland, for constructing the Coos Bay bridge on the Oregon Coast Highway near North Bend. The awards are subject to final approval of the State Engineer of Oregon, PWA. Complete bids follow:

Unit "A"—Four Main Piers for Cantilever Steel Span

(A) Teufel & Carlson, Seattle, $460,-300.00.
(B) The Gilpin Const. Co., Portland, $467,537.50.
(C) Puget Const. Co., Seattle, $477,935.
(D) Mercer-Fraser Co., Eureka, Cal., and Geo. R. Cooke Co., Detroit, $489,907.50.
(E) Missouri Valley Bridge & Iron Co., Leavenworth, Kan., $548,556.50.
(F) Northwest Roads Co., Portland, $550,265.00.

Unit quantities follow:
(1) 10,200 cu. yds. excavation;
(2) 1,000 cu. yds. excav. below elevation shown;
(3) 81,000 lin. ft. foundation piling;
(4) 27,000 lin. ft. treated fender piling;
(5) 4,400 cu. yds. seal concrete;
(6) 9,000 cu. yds. Class A conc. piers and footings;
(7) 4,755 cu. yds. Class A conc. pier shafts;
(8) 805,000 lbs. metal reinf.;
(9) 20,000 lbs. structural steel.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)..	$6.20	$9.40	$10.50	$10.50	$2.00	$11.00
(2)..	6.20	5.00	1.50	1.00	10.00	11.00
(3)..	.58	.46	.50	.55	.60	.50
(4)..	1.00	.78	.78	.93	.80	1.15
(5)..	15.00	13.50	15.00	16.50	18.00	12.50
(6)..	15.00	14.50	15.00	14.30	16.30	16.50
(7)..	15.00	17.50	15.00	17.50	16.00	20.00
(8)..	.053	.043	.04	.03	.05	.059
(9)..	.08	10.00	.15	.08	.10	.1325

Unit "B"—1708 Ft. Cantilever Steel Span

Total bids follow:
(A) Virginia Bridge & Iron Co., Roanoke, Va., $593,880.00.
(B) McClintic-Marshall Corp., S. F., $605,858.00.
(C) Columbia Steel Co., Portland, $615-713.40.
(D) Moore Dry Dock Co., Oakland, $625,982.00.
(E) Wallace Bridge & Structural Steel Co., Seattle, $799,160.00.

Unit quantities follow:
(1) 4,445,000 lbs. copper bearing str. carbon steel;
(2) 2,800,000 lbs. do. silicon steel;
(3) 1,160 cu. yds. Class D concrete on steel span;
(4) 398,000 lbs. metal reinf.;
(5) 8,000 lbs. cast chromium steel.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)..	$0.0742	$0.0728	$0.074	$0.0768	$0.10
(2)..	.0762	.0793	.0813	.0798	.11
(3)..	26.00	32.00	32.00	30.75	21.00
(4)..	.0435	.049	.0483	.052	.05
(5)..	.4035	.45	.35	.60	.30

Unit "C"—North Approach, Complete

Total bids follow:
(A) Teufel & Carlson, Seattle, $643,-271.40.
(B) Northwest Roads Co., Portland, $685,961.50.
(C) Merced-Fraser Co., Eureka, Calif., Geo. R. Cooke, Detroit, $702,230.00.

Unit quantities follow:
(1) 6,500 cu. yds. excavation;
(2) 500 cu. yds. excav. below elevation shown;
(3) 57,800 lin. ft. foundation piling;
(4) 2,000 cu. yds. seal concrete;
(5) 5,600 cu. yds. Class A conc. piers, footings;
(6) 215 cu. yds. Class A conc. pier shafts;
(7) 4,650 cu. yds. Class A conc. beams and columns;
(8) 3,300 cu. yds. Class A conc. arch ribs, struts;
(9) 1,680 cu. yds. Class D conc. slab on conc. spans;
(10) 1,768,000 lbs. metal reinf.;
(11) 9,900 lbs. cast chromium steel;
(12) 4,150 lin. ft. concrete handrail.

Unit bids follow:

	(A)	(B)	(C)
(1).....	$ 8.00	$ 7.00	$17.00
(2).....	8.00	7.00	1.00
(3).....	.525	.58	.69
(4).....	25.00	14.00	23.00
(5).....	25.00	19.00	21.00
(6).....	25.00	25.00	30.00
(7).....	25.00	37.50	32.50
(8).....	25.00	37.00	35.00
(9).....	25.00	27.00	26.00
(10).....	.057	.055	.0335
(11).....	.346	.50	.35
(12).....	4.00	4.25	2.00

Unit "D"—South Approach, Complete

Total bids follow:
(A) Teufel & Carlson, Seattle, $527,-232.10.
(B) Northwest Roads Co., Portland, $567,897.50.
(C) Merced - Fraser Co., Eureka, Cal., and Geo. R. Cooke Co., Detroit, $597,034.50.

Unit quantities follow:
(1) 7,300 cu. yds. excavation;
(2) 500 cu. yds. excav., below elevation shown;
(3) 50,700 lin. ft. foundation piling;
(4) 1,600 cu. yds. seal concrete;
(5) 4,400 cu. yds. Class A conc. piers, footings;
(6) 230 cu. yds. Class A conc. pier shafts;
(7) 3,350 cu. yds. Class A conc. beams and columns;
(8) 3,100 cu. yds. Class A conc. arch ribs, struts;
(9) 1,360 cu. yds. Class D concrete on concrete portion;
(10) 1,439,000 lbs. metal reinforcement;
(11) 8,100 lbs. cast chromium steel;
(12) 3,350 lin. ft. concrete handrail.

Unit bids follow:

	(A)	(B)	(C)
(1).....	$ 7.50	$ 7.00	$15.70
(2).....	7.50	7.00	1.00
(3).....	.525	.60	.69
(4).....	24.50	14.00	23.00
(5).....	24.50	19.00	21.00
(6).....	24.50	25.00	30.00
(7).....	24.50	36.50	32.50
(8).....	24.50	37.00	35.00
(9).....	24.50	27.00	26.00
(10).....	.057	.055	.0335
(11).....	.346	.50	.35
(12).....	4.00	4.25	2.00

Combination Bids—Units "C" and "D"

Total bids follow:
(A) The Gilpin Const. Co., Portland, and General Const. Co., Portland, $1,103,447.50.
(B) Northwest Roads Co., Portland, $1,127,255.00.
(C) Mercer - Fraser Co., Eureka, Cal., and Geo. R. Cooke, Detroit, $1,-235,089.50.

Unit quantities follow:
(1) 13,800 cu. yds. excavation;
(2) 1,100 cu. yds. excav. below elevation shown;
(3) 108,500 lin. ft. foundation piling;
(4) 3,600 cu. yds. seal concrete;
(5) 10,000 cu. yds. Class A conc. piers, footings;
(6) 445 cu. yds. Class A conc. pier shafts;
(7) 8,000 cu. yds. Class A conc. beams and columns;
(8) 6,400 cu. yds. Class A conc. arch ribs, struts;
(9) 3,040 cu. yds. Class D conc. on concrete portion;
(10) 3,027,000 lbs. metal reinforcement;
(11) 18,000 lbs. cast chromium steel;
(12) 7,500 lin. ft. concrete handrail.

	(A)	(B)	(C)
(1).....	$10.00	$ 6.50	$15.00
(2).....	5.00	6.50	1.00
(3).....	.40	.53	.69
(4).....	16.50	12.00	22.00
(5).....	17.25	19.00	20.00
(6).....	18.50	18.00	26.00
(7).....	28.25	32.50	30.50
(8).....	28.00	30.00	33.00
(9).....	27.50	27.50	25.50
(10).....	.045	.05	.0335
(11).....	.35	.48	.35
(12).....	5.00	3.70	2.00

Combination Bids, Units "A", "C" "D"

Total bids follow:
(A) Northwest Roads Co., Portland, $1,529,438.00.
(B) Gilpin Const. Co., Portland, and General Const. Co., Portland, $1,-550,670.00.
(C) Mercer - Fraser Co., Eureka, Cal. and Geo. R. Cooke Co., Detroit, $1-625,986.00.

Unit quantities follow:
(1) 24,000 cu. yds. excavation;
(2) 2,000 cu. yds. excav. below elevation shown;
(3) 190,000 lin. ft. foundation piling;
(4) 27,000 lin. ft. treated fender piling
(5) 8,000 cu. yds. seal concrete;
(6) 19,000 cu. yds. Class A conc. piers, footings;
(7) 5,200 cu. yds. Class A conc. pier shafts;
(8) 8,000 cu. yds. Class A conc. beams and columns;
(9) 6,400 cu. yds. Class A conc. arch ribs, struts;
(10) 3,040 cu. yds. Class D concrete on concrete portion;
(11) 4,012,000 lbs. metal reinforcement;
(12) 18,000 lbs. cast chromium steel;
(13) 20,000 lbs. structural steel;
(14) 7,500 lin. ft. concrete handrail.

Unit bids follow:

	(A)	(B)	(C)
(1).....	$ 8.00	$ 9.50	$12.00
(2).....	8.00	5.00	1.00
(3).....	.50	.40	.56
(4).....	1.25	.70	.93
(5).....	12.00	13.50	19.00
(6).....	15.80	16.25	19.00
(7).....	18.00	16.50	19.00
(7).....	27.80	28.25	23.00
(8).....	29.00	28.25	29.00
(10).....	23.50	27.00	22.00
(11).....	.0465	.045	.033
(12).....	.48	.35	.40
(13).....	.10	.10	.08
(13).....	3.50	5.00	2.00

BIDS OPENED

NEVADA and Sierra Counties, Cal. —Tiffany Const. Co., 535 N. 7th St., San Jose, at $8,829.40 submitted low bid to Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, for treating with fuel oil about seven miles in Nevada county between Hobart Mills and Truckee; 8.2 miles in Sierra County between Sierraville and Calpine, and 17.9 miles in Sierra Co. between Sierra City and junction of State Highway Route 25 and Route 83.

Complete bids follow:
(A) Tiffany Const. Co., San Jose, $8,-829.40.
(B) C. F. Fredericksen & Sons, Lower Lake, $8,883.50.

Unit bids follow:

	(A)	(B)
980 bbls. light fuel oil.....	$2.05	$2.09
930 bbls. light fuel oil.....	2.28	2.21
2,000 bbls. light fuel oil.....	2.35	2.39

BIDS OPENED

PLUMAS CO., Cal.—C. F. Fredericksen & Sons, Lower Lake, at $23,151 submitted low bid to the State Highway Commission, Sacramento, for treating with oil about 102.2 miles in Plumas county between Quincy and Rich, between the west boundary and Quincy, between Keddie and Chester, between Blairsden and the Sierra Co. line.

Total bids follow:

(A) C. F. Fredericksen & Sons, Lower Lake, $23,151.00.

(B) Tiffany Const. Co., San Jose, $25,061.70.

(C) Pacific Truck Service, Inc., San Jose, $27,592.40.

(D) Basalt Rock Co., Napa, $29,911.20.

Unit quantities follow:

(1) 3370 barrels asph. road oil;

(2) 5670 barrels heavy fuel oil.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$3.00	$3.18	$3.83	$3.66
(2)	2.00	2.53	2.59	3.10

29

May 3, 1934

BIDS OPENED

ALAMEDA COUNTY, Cal.—Heafey Moore Co., 344 High St., Oakland, submitted low bids at $110,285.14 (Alt. A) and $114,624.65 (Alt. B) to the State Highway Commission, Sacramento, for grading and paving with either asphalt concrete or Portland cement concrete, as the Department of Public Works may elect, about 1.1 miles in Alameda Countyt between San Leandro and Oakland, involving:

(1) 48,000 cu. yds. rdwy. excav., unclass.;

(2) 61,000 sta. yds. overhaul;

(3) 1960 cu. yds. struc. excav.;

(4) 185 cu. yds. remove conc. from exist. curbs, sidewalks and structures;

(5) 32,000 sq. yds. prepare subgrade for pavement;

(6) 5500 sq. yrs. asph. paint binder,

(7) 1200 tons asph. conc. street intersections exclusive of central 40-ft. pavement strip;

(8) 250 cu. yds. Class A Port. cem. conc. curbs, gutters and sidewalks

(9) 757 cu. yds. Class A Port. cem conc. structures;

(10) 73,000 lbs. bar reinf. steel struct.

(11) 336 lin. ft. temporary bridge railing;

(12) 310 lin. ft. 8-in. CMP;

(13) 388 lin. ft. 18-in. CMP;

(14) 764 lin. ft. 18-in. CMP close riveted and soldered;

(15) 40 lin. ft. 24-in. C.M.P.;

(16) 160 lin. ft. 24-in. CMP close riveted and soldered;

(17) 110 lin. ft. 48-in. CMP;

(18) 1 only CMP elbow 18-in. dia.;

(19) 16 each special catchbasins;

(20) 20 each conc. joints 18-in. culvert

(21) 5 each concrete joints 24-in. culvert;

(22) 1870 cu. yds. crusher run base;

(23) 12,000 sq. yds. mixing fuel oil and shoulder surfacing;

(24) 500 bbls. heavy fuel oil shoulders;

(25) 100 M. gals. water;

(26) 0.5 mi. new property fence;

(27) 0.4 mi. move and rest exist. prop fence;

(28) 7 each fence gates;

(29) 60 stations finishing roadway;

(30) 55 each, monuments, complete in place;

ALTERNATE ITEMS FOR CENTRAL 40-FT. PAVEMENT STRIP

ALTERNATE A

(1) 12 tons emulsified asphalt;

(2) 65 tons screenings;

(3) 9370 tons asphalt. concrete;

ALTERNATE B

(1) 50 tons asph. road oil seal coat;

(2) 4970 cu. yds. Class A Port. cem conc. pavement;

(3) 129,600 lbs. bar reinf. steel pave.

Complete bids follow:

(A) Heafey Moore Co., 344 High St., Oakland, Sub-total, $73,402.65; Alt. A, $110,275.15; Alt. B, 5114,624.65.

(B) United Contracting Co., Portland, Oregon, (1) $73,067.30; (2) $110,982.30; (3) no bid.

(C) Hanrahan Co., Hobart Bldg., San Francisco, (1) No total; (2) $114,814.45; (3) $119,794.65.

Unit bids followo:

	(A)	(B)	(C)
(1)	$ .675	$ .40	$ .55
(2)	.01	.02	.01
(3)	.15	1.70	1.71
(4)	2.10	2.50	1.85
(5)	.09	.10	.07
(6)	.045	.03	.03
(7)	4.25	4.00	4.75
(8)	12.00	18.00	12.50
(9)	19.00	22.00	18.00
(10)	.04	.04	.05
(11)	1.50	2.50	1.50
(12)	.90	1.40	.85
(13)	1.50	3.60	1.60
(14)	1.80	4.00	2.00
(15)	2.25	4.50	2.50
(16)	2.70	5.00	3.00
(17)	6.75	10.00	8.00
(18)	8.70	10.00	10.00
(19)	60.00	120.00	90.00
(20)	4.25	8.00	6.90
(21)	6.65	12.00	8.00
(22)	.85	1.60	1.25
(23)	1.60	2.00	2.00
(24)	.05	.05	.05
(25)	1.00	2.50	1.00
(26)	1200.00	1100.00	650.00
(27)	1250.00	1200.00	250.00
(28)	15.00	20.00	20.00
(29)	3.50	8.00	6.00
(30)	2.50	3.00	2.50
Sub-T'l	73,402.65	73,607.30	No Total
(1)	20.00	20.00	30.00
(2)	2.00	3.00	3.00
(3)	4.05	4.00	4.69
Alt. A	110,275.15	110,982.30	114,814.45
(1)	15.00	No bid	15.00
(2)	7.00	No bid	8.20
(3)	.055	No bid	.06
Alt. B	114,624.65	No bid	119,794.65

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BIDS OPENED

WASHOE COUNTY, Nevada—As previously reported, Fredrickson & Watson, Fredrickson Bros. and Jones & King, 873 81st Ave., Oakland were awarded the contract by S. C. Durkee, State Highway Engineer, Carson City, April 25, at $224,400.95, for the improvement of Fourth Street from its junction with Reno-Verdi Highway to the west Sparks City limits, and on Virginia Street, Reno, Routes 1 and 3, Sections A-1, A-4, B-1, B-5, and B-2, a length of 4.31 miles, involving:

(1) 18,070 cu. yds. rdwy. excav.;

(2) 20,830 cu. yds. select borrow;

(3) 1140 cu. yds. struc. excav.;

(4) 64.112 sq. yds. subgrade for pave.

(5) 2828 cu. yds. cru. gravel or stone surface;

(6) 360 cu. yds. cru. gravel or stone base;

(7) 1290 tons course aggregate;

(8) 215 tons key rock;

(9) 270 tons screenings;

(10) 130 tons emulsified asph. penetration;

(11) 45 tons emulsified asph. mixing;

(12) 11,476 tons asph. conc. base;

(13) 16,334 tons asph. conc. surface;

(14) 800 cu. yds. cem. conc. base;

(15) 181 cu. yds. Class A concrete;

(16) 3 cu. yds. Class B concrete;

(17) 9046 lin. ft. conc. curb and gutter type 1;

(18) 6500 lin. ft. conc. gutter;

(19) 17,180 lbs. reinf. steel;

(20) 3800 lbs. castings;

(21) 950 lin. ft. 8-in. perf. pipe;

(22) 798 lin. ft. 10-in. do;

(23) 1480 lin. ft. 12-in. do;

(24) 16 lin. ft 8-in. CMP;

(25) 162 lin. ft. 10-in. CMP;

(26) 74 lin. ft. 15-in. CMP;

(27) 278 lin. ft. 24-in. CMP;

(28) 0.59 miles traffic stripe;

(29) 9689 lin. ft. side forms;

(30) 744 lin. ft. remove culvert pipe;

(31) 96 lin. ft. relay culvert pipe;

(32) 2 each move pipe culvert headwalls;

(33) 4 each railroad crossings;

(34) 2865 lin. ft. remove fence;

(35) 2865 lin. ft. reconstruct fence;

(36) 2 each remove culvert headwalls;

(37) 600 cu. yds. gravel backfill;

(38) 17 each monuments;

(39) 2534 lin. ft. conc. curb and gutter type 2.

Union Paving Co., San Francisco, submitted the second low bid at $227,339.90.

The bidders were:

(A) Jones & King, et al, $224,400.95.

(B) Union Paving Co., San Francisco, $227,339.90.

(C) Engineer's Estimate, $200,292.80.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 1.53	$ 1.40	$ 1.25
(2)	.45	.58	.60
(3)	1.25	1.50	1.25
(4)	.10	.10	.07
(5)	2.20	2.57	.90
(6)	2.20	2.32	.90
(7)	2.50	3.00	3.00
(8)	2.65	3.10	3.25
(9)	2.65	3.10	3.25
(10)	24.00	27.00	25.00
(11)	27.00	25.00	27.50
(12)	4.40	3.99	3.50
(13)	4.70	4.19	3.75
(14)	9.50	14.00	12.00
(15)	18.00	28.00	30.00
(16)	18.00	26.00	25.00
(17)	.85	1.00	1.00
(18)	.55	.75	.60
(19)	.05	.07	.06
(20)	.06	.15	.15
(21)	.85	2.00	2.00
(22)	1.00	2.50	2.25
(23)	1.20	3.00	2.75
(24)	.85	1.50	1.50
(25)	1.00	2.00	2.25
(26)	1.40	2.75	2.25
(27)	2.50	3.50	3.00
(28)	100.00	100.00	100.00
(29)	.15	.15	.14
(30)	.40	.50	.50
(31)	.40	.50	.75
(32)	15.00	15.00	10.00
(33)	550.00	500.00	200.00
(34)	.03	.05	.06
(35)	.12	.10	.08
(36)	10.00	10.00	10.00
(37)	2.00	1.25	1.00
(38)	3.00	3.00	4.00
(39)	1.20	.95	1.00

BIDS OPENED

COCONINO COUNTY, Arizona—Leo Frost, Joseph City, Arizona, at $10,400 submitted low bid to the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, April 17 for placing subgrade reinforcement on portions of Section J of Route 12, the Globe-Holbrook National Forest Highway, Sitgreaves National Forest, Coconino Co., a length of 11.626 miles.

Total bids follow:

(A) Leo Frost, Joseph City, $10,400.

(B) All-Arizona Engr. & Const. Co., Clifton, Ariz., $13,520.

Unit quantities follow:

(1) 8,000 cu. yds. subgrade reinf.;

(2) 24,000 cu. yds. mile hauling do.

Unit bids follow:

	(A)	(B)	(C)
(1)	$0.70	$1.21	$0.80
(2)	.20	.16	.12

All bids held under advisement.

29

BIDS OPENED

ELKO COUNTY, Nevada—As previously reported, Isvell Construction Co., Carson City, Nev., at $116,293.07 awarded contract by Nevada State Highway Directors, S. C. Durkee, chief engineer, for constructing a portion of the state highway system in Elko County, between 5 miles and 25 miles north of Currie, Route 13, Section A-2 and B-1a, a length of 20 miles, involving:

(1) 100 acres clear and grub.;

(2) 117,700 cu. yds. rdwy. excav.;

(3) 37,428 sta. yds. overhaul;

(4) 20,879 cu. yds. select borrow;
(5) 1850 cu. yds. struc. excav.;
(6) 20 miles subgrade;
(7) 47,600 cu. yds. cru. gravel or stone surface;
(8) 25 cu. yds. Class A concrete;
(9) 218 cu. yds. Class B concrete·
(10) 7100 lbs. reinf. steel;
(11) 1732 lin. ft. 8-in. CMP;
(12) 3130 lin. ft. 24-in. CMP;
(13) 122 lin. ft. 30-in. CMP;
(14) 462 lin. ft. 36-in. CMP;
(15) 605 lin. ft. remove fence;
(16) 1518 lin. ft. construct fence;
(17) 54 each monuments;
(18) 20 miles finishing roadway.

Complete bids follow:

(A) Isbell Construction Co., $116,293.07
(B) Utah Constr. Co., Ogden, Utah, $124,500.21.
(C) Union Paving Co., San Francisco, $128,264.25.
(D) N. M. Ball, Berkeley, Calif., $137,437.34.
(E) Engineer's estimate, $120,096.35.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$25.00	$25.00	$40.00	$50.00	$15.00
(2)....	.35	.40	.35	.37	.35
(3)....	.02	.05	.03	.03	.03
(4)....	.40	.40	.50	.60	.40
(5)....	1.00	1.00	1.50	1.00	1.00
(6)....	100.00	100.00	100.00	150.00	100.00
(7)....	.70	.78	.80	.90	.80
(8)....	30.00	30.00	30.00	32.00	30.00
(9)....	30.00	28.00	33.00	32.00	28.00
(10)....	.07	.08	.08	.08	.08
(11)....	1.95	1.70	2.25	2.15	2.25
(12)....	2.85	2.60	3.50	2.90	3.00
(13)....	3.60	3.50	4.00	4.00	4.00
(14)....	5.20	5.25	5.25	5.50	5.25
(15)....	.05	.03	.05	.10	.05
(16)....	.12	.12	.12	.10	.12
(17)	3.50	3.00	3.00	3.00	3.00
(18)....	150.00	100.00	100.00	150.00	100.00

May 3, 1934

BIDS OPENED

SAN DIEGO COUNTY, Calif.—R. R. Bishop, 5017 E. Broadway, Long Beach at $13,052.28 submitted low bid to the State Highway Commission, Sacramento, for construction of an overhead crossing over the A. T. & S. F. Railway near Carlsbad, San Diego County, consisting of one 26 ft. 10½-in. span; two 30 ft. 7 in. spans; one 32 ft. span, and one 45 ft. span on concrete bents, to be widened.

Total bids follow:

(A) R. R. Bishop, Long Beach, $13,052.28.
(B) John Oberg, Los Angeles, $13,203.20.
(C(Bodenhamer Const. Co., Oakland, $13,656.00.
(D) Oscar Oberg, Los Angeles, $14,255.00.
(E) Contracting Engineers, Inc., Los Angeles, $14,307.00.

Unit quantities follow:

(1) 46 cu. yds. exist. concrete to be removed and disposed of;
(2) 204 lin. ft. temporary timber railing;
(3) 300 cu. yds. struc. excav.;
(4) 340 cu. yds. Class A Portland cem. conc. struc.;
(5) 8 cu. yds. do, railing;
(6) 51,000 lbs. bar reinf. steel;
(7) 264 lbs. bronze expansion plates;
(8) 1 lot misc. items of work.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 10.00	$10.00	$ 10.00	$16.70	$ 15.00
(2)	2.00	1.00	1.00	2.00	1.50
(3)	1.00	2.00	2.50	1.00	2.00
(4)	20.00	26.00	24.00	27.40	21.60
(5)	40.00	60.00	50.00	75.00	55.00
(6)	.043	.04	.05	.044	.045
(7)	.27	.30	.50	.45	.50
(8)	2500.00	500.00	1000.00	500.00	2500.00

BIDS OPENED

SANTA CRUZ COUNTY, Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $179,222.10 submitted low bid to the State Highway Commission, Sacramento, for surfacing with bituminous macadam and bituminous surfacing, all to be placed on crusher run base, on about 6.7 miles in Santa Cruz County between one mile north of Inspiration Point and Scotts Valley.

Total bids follow:

(A) Hanrahan Co., San Francisco, $179,222.10.
(B) Granite Const. Co., Ltd., Watsonville, $183,585.50.
(C) Union Paving Co., San Francisco, $187,461.50.
(D) Healy - Tibbitts Const. Co., San Francisco, $207,750.50.
(E) A. J. Raisch, San Jose, $212,072.50.

Unit quantities follow:

(1) 50,000 cu. yds. slops excav. unclass.;
(2) 750,000 sta. yds. overhaul;
(3) 56,000 tons crusher run base;
(4) 21,200 tons broken stone bit. macadam;
(6) 1500 tons crushed rock bit. surf :
(7) 41 tons emulsified asph. road oil bituminous surf. conc.;
(8) 1120 tons natural rock asphalt bituminous surfacing;
(9) 880 bbls. fuel oil shoulders;
(10) 445 tons screenings shoulders;
(11) 75 each embankment protector assemblies to be removed and reset;
(12) 190 each culvert markers;
(13) 180 each monuments complete in place.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$ .20	$ .23	$ .15	$ .37	$ .35
(2)....	.004	.004	.002	.01	.006
(3)....	1.60	1.53	1.90	1.60	1.80
(4)....	2.28	2.51	2.02	2.70	2.61
(5)....	15.56	17.20	15.00	21.00	18.50
(6) .	15.56	17.20	15.00	21.00	18.50
(7)....	21.50	22.00	25.00	24.00	25.00
(8)....	4.66	4.90	5.00	5.50	7.00
(9)....	1.87	2.00	2.50	1.80	2.00
(10)....	2.44	2.50	2.50	2.50	2.00
(11)....	16.00	14.00	15.00	15.00	10.00
(12)....	2.00	1.20	2.50	2.00	3.00
(13)....	2.50	2.35	2.50	3.00	3.00

NOTICE TO CONTRACTORS

LOS ANGELES and Orange Counties, Cal.—Contractors who are interested in bidding on the grading and paving on Manchester Ave. between Cerritos Ave., Downey, and Artesia Ave., Buena Park, road VII-L.A.-Ora-174-B & A, bids for which will be opened by the State Highway Commission in Los Angeles on May 17, are advised that a representative of this office will meet contractors who desire to inspect the work at the intersection of Firestone Blvd. and San Gabriel Blvd. in Downey at 2 P. M., May 9. This is the only time that a representative of this office will be available to show contractors over the work.

S. V. Courtelyou,
District Engineer.

BIDS OPENED

SACRAMENTO, Cal.—A. Teichert & Sons, Inc., P. O. Box 1118, Sacramento, at $9735 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec.. 6304, for grading about 2900 lin. ft. of subgrade and providing about 6700 sq. yds. of bituminous pavement to form a hard surfaced roadway over a hydraulic dredge fill in a spoil area in West Sacramento, along the westerly bank of the Sacramento River. involving:

(1) 1100 cu. yds. grading;
(2) 6500 sq. yds. bit. pavement;
(3) 6500 sq.yds. seal coat.

Total bids follow:

(A) A. Teichert & Son., Inc., Sacramento, $9735.
(B) J. R. Reeves, Sacramento, $10,506.

(1).....	$0.40	$0.54
(2).....	1.36	1.45
(3).....	.07	.075

NYE COUNTY Nev.—17 Miles Grade and Surface—(State)

NYE COUNTY, Nev.—As previously reported, Union Paving Co., Call Bldg., San Francisco, was awarded the contract by S. C. Durkee, State Highway Engineer, Carson City, April 25, at $84,103.88 for constructing a portion of the state highway system in Nye County between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5, Sections B-2, C and D-1, a length of 17 miles, involving:

(1) 39 acres clear and grub.;
(2) 70,300 cu. yds. rdwy. excav.;
(3) 24,894 sta. yds. overhaul;
(4) 2220 cu. yds. struc. excav.;
(5) 17 miles subgrade;
(6) 40,200 cu. yds. cru. gravel or stone surface;
(7) 200 cu. yds. Class A concrete;
(8) 100 cu. yds. Class B concrete;
(9) 26,600 lbs. reinf. steel;
(10) 68 lin. ft. 18-in. CMP;
(11) 1174 lin. ft. 24-in. CMP;
(12) 1296 lin. ft. 30-in. CMP;
(13) 700 lin. ft. 36-in. CMP;
(14) 44 lin. ft. remove culvert pipe;
(15) 100 cu. yds. riprap;
(16) 60 each monuments;
(17) 17 miles finish roadway.

The total bids were:

(A) Union Paving Co.|, San Francisco, $84,103.88.
(B) Dodge Const. Co., Fallon, $87,824.82.
(C) Isbell Const. Co., Carson City, $88-864.38.
(D) Nevada Rock & Sand Co., Inc., Reno, $88,876.76.
(E) Gibbons & Reed, Burbank, Calif., $91,923.96.
(F) Morrison-Knudsen Co., Los Angeles, $96,438.82.
(G) N. M. Ball, Berkeley, Calif., $101,868.62.
(H) Engineer's estimate, $93,184.82.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1).....	$ 20.00	$ 30.00	$ 25.00	$ 20.00	$ 15.00	$ 15.00	$ 30.00	$ 15.00
(2).....	.30	.35	.35	.37	.32	.35	.40	.35
(3).....	.02	.03	.02	.04	.04	.03	.03	.03
(4).....	1.00	1.00	1.00	1.50	1.25	1.00	1.00	1.00
(5).....	50.00	100.00	100.00	100.00	100.00	100.00	150.00	100.00
(6).....	.80	.65	.70	.60	.75	.90	.80	.80
(7).....	30.00	27.50	30.00	30.00	30.00	27.00	32.00	30.00
(8).....	28.00	27.50	30.00	25.00	30.00	27.00	32.00	28.00
(9).....	.05	.07	.06	.08	.06	.06	.08	.07
(10).....	1.00	2.00	2.00	2.00	2.30	2.00	2.25	2.25
(11).....	2.00	3.00	2.75	3.50	3.10	3.00	3.00	3.00
(12).....	3.00	4.00	3.25	4.00	4.00	3.50	3.80	4.00
(13).....	5.00	5.00	5.00	5.50	5.80	5.40	6.00	5.25
(14).....	.50	1.00	1.00	1.00	.60	.50	1.00	.50
(15).....	3.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
(16).....	3.00	3.00	3.50	5.00	3.00	3.00	3.00	3.00
(17).....	50.00	150.00	150.00	100.00	200.00	150.00	150.00	100.00

COMPLETE BID LISTING

WASHOE COUNTY, Nevada—Union Paving Co., 624 Call Bldg., San Francisco, at $119,435.18, as previously reported, submitted low bid and awarded contract by Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for constructing a portion of the State Highway System in Washoe County, between the west City limits and the east city limits of Sparks, a length of 2.0- miles; Route 1, Section B-3, involving:

(1) 16,800 cu. yds. rdwy. excav.;
(2) 2910 cu. yds. select borrow;
(3) 1300 cu. y ds. struc. excav.;
(4) 44,700 sq. yds. subgrade for pave.
(5) 3300 cu. yds. crushed gravel or stone surface;
(6) 10,150 tons asph. conc. base;
(7) 3000 tons asph. conc. surface;
(8) 270 cu. yd. Class A concrete;
(9) 17 cu. yds. Class A concrete;
(10) 10,400 lin. ft. concrete curb and gutter, Type I;
(11) 2220 lin. ft. concrete curb and gutter, Type II;
(12) 600 sq. yds. concrete gutter;
(13) 130 sq. yds. concrete sidewalk;
(14) 1350 lin. ft. 8-in. C.M.P.;
(15) 1078 lin. ft. 10-in. CMP;
(16) 1152 lin. ft. 12-in CMP;
(17) 40 lin. ft. 18-in. CMP;
(18) 208 lin. ft. 24-in. CMP;
(19) 21,000 lbs. reinf. steel;
(20) 0.94 miles traffic stripe;
(21) 8600 lin. ft. side forms;
(22) 18 lin. ft. remove culvert pipe;
(23) 1760 lin. ft. remove fence;
(24) 1295 lin. ft. reconst fence;
(25) 2864 lin. ft. construct fence;
(26) 7500 lbs. castings;
(27) 40 cu. yds. remove concrete;
(28) 2 remove culverts;
(29) 56 lin. ft. pipe railing.

Total bids follow:

(A) Union Paving Co., San Francisco, $119,435.18.
(B) Jack Casson, Oakland, $128,931.48.
(C) Fredrickson & Watson Constr. Co., Fredrickson Bros. & Jones & King, Oakland, $146,053.02.
(D) Engineer's Estimate, $124,446.38.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .75	$ .90	$ 1.35	$ 1.00
(2)	.60	.50	.60	.60
(3)	1.00	1.50	1.50	1.25
(4)	.06	.10	.10	.07
(5)	1.30	1.20	2.35	1.00
(6)	3.50	3.90	3.90	3.50
(7)	3.80	3.90	4.30	3.75
(8)	25.00	25.00	27.00	25.00
(9)	24.00	23.00	27.00	24.00
(10)	.90	.95	.95	1.00
(11)	1.00	1.30	1.20	1.25
(12)	3.00	3.50	2.60	4.00
(13)	3.00	4.00	1.45	3.75
(14)	1.00	1.00	1.90	1.10
(15)	1.50	1.50	2.30	1.30
(16)	2.00	1.60	2.60	1.50
(17)	3.00	2.00	3.00	2.00
(18)	3.50	3.00	3.25	3.00
(19)	.07	.06	.065	.06
(20)	100.00	100.00	100.00	100.00
(21)	.15	.13	.15	.14
(22)	1.00	1.00	.50	1.00
(23)	.05	.$5	.05	.02
(24)	.10	.10	.12	.02
(25)	.12	.12	.18	.12
(26)	.20	.15	.14	.20
(27)	5.00	4.00	10.00	5.00
(28)	15.00	25.00	20.00	20.00
(29)	2.00	1.50	3.00	1.50

BIDS OPENED

LASSEN and Modoc Counties, Calif.—C. F. Fredericksen & Sons, Lower Lake, at $23,862.30 submitted low bid to State Highway Commission, Sacramento, for treating with fuel oil about 92.2 miles in Lassen and Modoc counties between Litchfield and Alturas.

(A) C. F. Fredericksen & Sons, Lower Lake, $23,862.30.
(B) Basalt Rock Co., Napa, $24,792.00.
(C) Tiffany Const. Co., San Jose, $25,411.80.
(D) Pacific Truck Service, Inc., San Jose, $26,341.50.
(E) Oilfields Trucking Co., Bakersfield $27,374.50.
(F) Peninsula Paving Co., San Francisco, $27,374.50.

Unit bids follow:

10,330 bbls. heavy fuel oil. (A) $2.31; (B) $2.40; (C) $2.46; (D) $2.55; (E) $2.65; (F) $2.65.

BIDS OPENED

OAKLAND, Cal.—U. S. Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $49,005 (Sched. 1) and the American Cast Iron Pipe Co., Sharon Bldg., San Francisco, at $54,140 (Sch. 2) submitted low bids to the East Bay Municipal Utility District, 512 16th St. Oakland, for furnishing 167,000 lin. ft. of cast iron pipe. Total bids follow:

(A) U. S. Pipe & Foundry Co., San Francisco, (Sch. 1) $49,005; (Sch. 2) $54,734.
(B) American Cast Iron Pipe Company
(C) Florence Pipe & Foundry Co., by Utilities Supply Co., San Francisco (Sch. 1) $50,160; (Sch. 2) $57,260.
(D) Pacific States Cast Iron Pipe Co., San Francisco, (Sch. 1) $51,580; (Sch. 2) $57,960.

Schedule No. 1, delivery at Orinda:

(1) 30,000 lin. ft. 4-in. CIP, Class B or 150, (A) $12,240; (B) .....; (C) $12,600; (D) $12,900.
(2) 50,000 lin. ft. 6-in. CIP, Class B or 250, (A) $33,750; (B) .....; (C) $34,500; (D) $35,500.
(3) 3,000 lin. ft. 8-in. do, (A) $3,015; (B) .....; (C) $3,060; (D) $3,180.

Schedule No. 2: Delivery at Corporation Yard, 21st and Adeline Streets, Oakland:

(1) 20,000 lin. ft. 4-in. CIP, Class B or 150, (A) $8,220; (B) $8,100; (C) $8,800; (D) $8,800.
(2) 60,000 lin. ft. do, (A) $40,800; (B) $40,380; (C) $42,600; (D) $43,200.
(3) 2,000 lin. ft. 8-in. do, (A) $2,024; (B) $2,000; (C) $2,080; (D) $2,140.
(4) 2,000 lin. ft. 8-in. do, (A) $3,690; (B) $3,660; (C) $3,780; (D) $3,820.

ARIZONA — 9.25 Miles Grade and Surface — (State)

ARIZONA STATE—Lee Moor Contracting Co., El Paso, Texas at $86,583.49, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, April 25 for highway construction on the Prescott - Jerome Highway, N.R.S. 19-A (A.F.E. 796), N.R.S. 19-B (A.F.E. 7907). The work, which begins at the Ashfork-Jerome Highway Junction and extends northeasterly toward Jerome approximately 9.25 miles, consists of grading, draining, and placing base course and road mix. The work involves:

(1) 24,479 cu. yds. rdwy. excav. unclass.;
(2) 97 cu. yds. struc. excav. unclass.;
(3) 741 cu. yds. drainage excav. unclass.;
(4) 2623 cu. yds. borrow excav. unclass.;
(5) 30,960 sta. yds. earthwork overhaul;
(6) 701 cu. yds. mi. earthwork haul;
(7) 1000 lin. ft. grader ditches;
(8) 25 cu. yds. Class A conc. (inc. cement);
(9) 936 lbs. reinf. steel (bars) C.I.P.;
(10) 56 lin. ft. 18-in. C.M.P. (inc. bands); C.I.P.;
(11) 212 lin. ft. 24-in. do;
(12) 148 lin. ft. 36-in. do;
(13) 8 lin. ft. 48-in. do;
(14) 54 lin. ft. resetting 24-in. C.M.P.; CIP;
(15) 46 lin. ft. resetting 36-in. do;
(16) 30 lin. ft. resetting 48-in. do;
(17) 820 lin. ft. cable road guard (Type A) CIP;
(18) 77,515 lin. ft. standard line fence CIP;
(19) 72 each R/W markers (CIP);
(20) 9000 cu. yds. stripping pits;
(21) 28,995 cu. yds. aggregate base course;
(22) 114,355 cu. yds. aggregate base course haul;
(23) 219 M. gals. sprinkling (CIP);
(24) 1531 cu. yds. shoulder material;
(25) 5625 cu. yds. mi. shoulder material, haul;
(26) 10,131 cu. yds. mineral aggregate (CIP);
(27) 182,177 gal. road oil (for road mix (CIP);
(28) 229 tons emulsified asph. (for seal coat) (CIP);
(29) 9285 mi. processing road mix;
(30) 796 cu. yds. screenings (CIP);
(31) 280 sq. yds. placing intersections;
(32) 232 cu. yds. stockpiled aggregate (CIP).

Complete bids follow:

(A) Lee Moor Contracting Co., El Paso, Texas, $86,583.49.
(B) Geo. W. Orr, Bisbee, Ariz., $87,783.35.
(C) O. F. Fisher, Phoenix, Ariz., $87,918.54.
(D) Daley Corp., San Diego, $99,536.36
(E) Phoenix-Tempe Stone Co., Phoenix, Ariz., $99,890.44.
(F) Heusler & Garnett, Glendale, $99,985.12.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .35	$ .40	$ .35	$ .37	$ .50	$ .58
(2)	1.25	1.00	1.00	1.00	1.00	1.50
(3)	.35	.25	.25	.24	.35	.32
(4)	.25	.25	.20	.24	.35	.32
(5)	.03	.03	.02	.03	.03	.03
(6)	.175	.25	.25	.30	.20	.25
(7)	.10	.08	.06	.005	.08	.10
(8)	20.00	22.00	25.00	22.50	35.00	32.00
(9)	.07	.08	.10	.06	.08	.07
(10)	2.00	2.00	2.18	2.00	2.00	2.00
(11)	2.65	3.00	3.09	3.00	2.75	3.00
(12)	5.25	5.25	5.25	5.25	5.50	6.00
(13)	8.90	11.00	11.19	8.00	10.00	10.00
(14)	.60	1.50	1.25	1.10	.75	1.00
(15)	.90	2.00	1.50	2.20	1.00	1.00
(16)	1.25	2.50	3.00	3.30	1.50	1.50
(17)	1.10	.75	.85	.80	1.00	.85
(18)	.005	.06	.07	.07	.075	.065
(19)	3.00	1.50	3.00	2.50	2.50	3.00
(20)	.05	.20	.12	.22	.25	.25
(21)	.50	.52	.45	.53	.50	.60
(22)	.09	.09	.085	2.75	4.00	2.50
(23)	2.75	2.50	3.00	.60	.50	.60
(24)	.50	.52	.50	.11	.11	.12
(25)	.09	.09	.085	2.00	1.40	1.25
(26)	1.37	1.35	1.28	2.00	1.40	1.25
(27)	.065	.05	.075	.066	.0725	.064
(28)	27.10	28.00	29.50	27.00	27.50	27.00
(29)	550.00	600.00	550.00	500.00	600.00	500.00
(30)	4.00	4.50	4.50	3.70	4.75	4.00
(31)	60	.15	.15	.20	.25	.20
(32)	2.15	1.58	3.00	2.85	3.00	2.00

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Building Contractors Form New A. G. C. Unit

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

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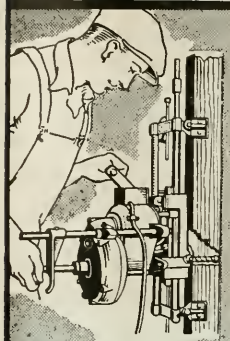

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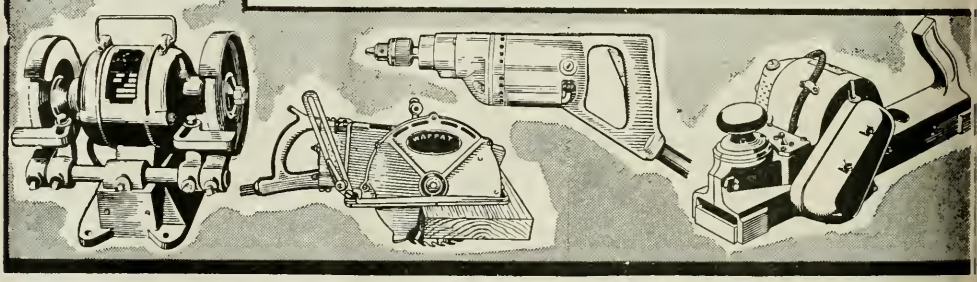

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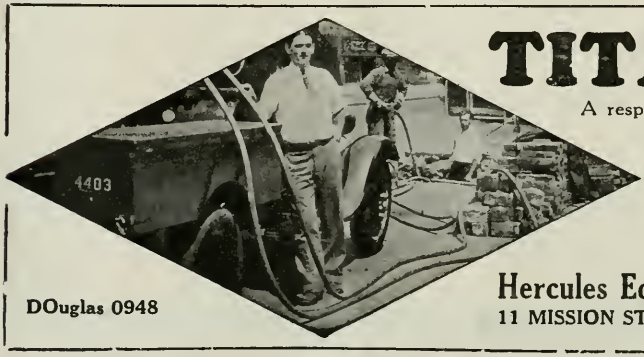

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Vol. XVII SAN FRANCISCO, CALIF., MAY 12, 1934 No. 19

Central California Chapter of A. G. C. Formed to Group Building Contractors

A new Chapter of the Associated General Contractors of America, to be known as "Central California Chapter" and composed of general building contractors, is now being organized to represent not only the general building contractors of San Francisco and the East Bay, but all important Northern California cities.

....The organizers, at their meeting of the Second instant, held at the Palace Hotel with George Wagner presiding, decided to complete the organization and the following firms signed as Charter Members: P. J. Walker Co., Dinwiddie Construction Co., S. G. Johnson, Lindgren & Swinterton, Inc., Barrett & Hilp, W. E. Lyons, W. G. Thornally, Geo. J Maurer Co., George Wagner and K E. Parker Co.

At that meeting the following Executive Committee was appointed: Geo. E. Greenwood, Chairman (San Francisco Manager of the P. J. Walker Co.), H. H. Hilp (Barrett & Hilp), W. E. Lyons, K. E. Parker (K. E. Parker Co.), and Curtis E. Smith (Manager Dinwiddie Construction Co.).

The committee, on behalf of the charter members, is now applying for a charter from the national headquarters of the A. G. C. at Washington and the name "Central California Chapter" has already been reserved for them. The organization will be perfected and permanent offices secured as soon as the charter has been received, officials announced.

The new chapter will cooperate with the existing Northern California Chapter—which is composed of highway and engineering contractors—for the general betterment of conditions, code enforcement for general contractors, increased volume of work in the industry and on all matters of mutual interest.

The Almeda County Chapter, A. G. C. composed principally of East Bay Building Contractors has been cooperatingf in organization of the new chapter. The Alameda Chapter will be merged with the larger unit.

The executive committee of five, at its meeting, appointed the following committees: Membership, H. H. Hilp, S. G. Johnson; By-Laws, W. E. Lyons; Industrial Relations, George Wagner, George J. Maurer and K. E Parker; Code Committee, R Walberg; Publicity, K. E. Parker and H. H. Hilp. Wm. E. Hague has been elected secretary-manager and will assist all committees in their work.

These committee appointments are temporary at this time and will be extended and additional committees appointed after permanent organization is completed.

Chairman Geo. E. Greenwood said, "We aim to create a general building contractors Chapter of the Associated General Contractors of America, under the title of "Central California Chapter" which will extend its membership and operations throughout Northern California, North of Tehachapi. In addition to a large membership in San Francisco and the East Bay we expect to have members from among the leading general building contractors in all large cities of Northern California. In fact, a number of such in quite a few cities have already expressed their desire to join the new chapter as soon as the charter is received and organization completed. The rights of the smaller contractor are going to be of equal importance and in order that they may be included in the membership a reasonable rate of dues for those doing a limited volume of work at this time has been fixed.

SUB-CONTRACTS FOR COMPRESS ARE ANNOUNCED

Stockton Port Commission Lists Awards To Be Made By O. H. Chain

Sub-contractors on the cotton compress and warehouse to be erected for the Port of Stockton by O. H. Chain, general contractor, were announced Saturday at the offices of the port commission. As required by PWA regulations, general contractors filed lists of sub-awards to be made by them in the event their bid was accepted.

The firms to which Chain will sub-let portions of the compress contract are:

Excavation & Roads—R. E. McCarthy, 603 Eastworth St., Stockton.

Pumping System—Sterling Pump Co., 646 S. California St., Stockton.

Railroad Construction—Willard & Biasotti, 40 W. Clay St., Stockton.

Roofing—Stockton Roofing Co., 736 N. Hunter St., Stockton.

Mill Work—Electric Planing Mill, Hazelton and Monroe Sts., Stockton.

Painting—J. F. Garrow, 51 E. Noble St., Stockton.

Water System—F. W. Snook, 596 Clay St., San Francisco.

Cotton Compress Machinery—Robt. S. Webb, Minden, Louisiana.

Boiler Room Equipment—F. W. Snook Co., 596 Clay St., San Francisco.

Plumbing—Miller Hayes Co., 742 East Miner St., Stockton.

Sprinkler System—Grinnell Co. of the Pacific, 601 Brannan St. San Francisco.

Electric Wiring and Fixtures—C. J. Franke, 748 E. Weber Ave., Stockton.

The port commission announced that bids will be received May 16 for construction of truck scales having a capacity of 40 tons.

Bids will be called in about ten days for erecting a grain warehouse at the port to be leased to a private corporation. The cost of the building is estimated at $25,000. Equipment is to be installed by the lessee.

STATE REQUIRES COMPLIANCE WITH TRUCKING CODE

Bidders on Highway Equipment Rental Notified to File Schedules

Compliance with provisions of the NRA Code of Fair Competition for the Trucking Industry will be expected of all bidders on truck rental contracts with the California State Division of Highways, the division has advised prospective bidders in a circular issued May 7.

The Trucking Industry Code became effective February 25. Successful bidders will be required to certify in the future that they are complying with the code.

The notice to bidders states:

Pursuant to Section 6 of Article V of the Trucking Code, the wage rates specified by the Department of Public Works under the prevailing wage law will control, and must be paid by the contractor. Similarly, the state regulations limiting hours of labor on highway maintenance work to forty hours per week control.

The Bidder's attention, however, is directed to Sections 1, 2 and 3 of Article VII of the Trucking Code, which provides that within forty-five days after February 25, 1934, each member of the trucking industry shall file schedules of minima rates and tariffs covering his operations and shall not thereafter charge, collect or demand less than the rates set forth in such schedules; that the rates and tariffs charged shall be sufficient to meet the cost of the service performed; that if the appropriate State Code Authority shall find, after hearing, that the rates so filed by any member are insufficient to meet the cost of the service to be performed, it may suspend such rate and require him to file a schedule of rates sufficient to meet the cost of the service. The right to file amendments and alterations to schedules of rates so filed is reserved to the members of the industry.

It is our understanding that agreement for rental of trucks to the State are subject to these provisions of the code. Each bidder is urged to file his schedule of rates for the class of services to be performed under truck rental agreements with the State prior to submitting his bid. He should understand that the schedule which he is submitting constitutes his minima rates, below which he cannot bid, and that his minima rates so filed should not be less than cost.

For convenience in filing rates for those desiring to bid on State truck rentals, we wish to point out that three classes of trucks will be rented by the State.

Class 1. Chassis weight not less than 2800 pounds and body capacity not less than 1½ cubic yards.

Class 2. Chassis weight not less than 6000 pounds and body capacity not less than 3 cubic yards.

Class 3. Chassis weight not less than 8000 pounds and body capacity not less than 4 cubic yards.

In all cases the vendor will be required to furnish driver, gas, oil, necessary parts, repairs and workmen's compensation insurance. The usual provisions regarding such truck rentals to the Division of Highways will be contained in the notice to bidders.

Bids are to be submitted on an hourly basis so the rates filed with the State Code Authority should be hourly rates.

It is recommended that the truck owner in filing his schedules of rates with the State Code Authority base his minima rates on cost under the most favorable conditions, such as operating on smooth roads with hand loading. Otherwise, a great many different rates based on the different conditions under which work might be done, such as on rough roads or where loading is by power shovel, would have to be filed.

In the occasional cases where the Department of Public Works calls for flat rack or cargo trucks, it is recommended that the bidder submit a schedule or an alteration to his provisius schedule to the Code Authority for the particular class of service required on the bid proposal.

MATERIAL PRICES REACH NEW HIGH

Building material prices as a group advanced one percent in the week ending April 28, according to reports to the U. S. Bureau of Labor Statistics, reaching a new high for the year of 87.1 percent of the 1926 average. Advances in items comprising the brick and lumber groups were largely responsible for the upward movement. Prepared roofing, wire nails and steel pipes were among other items showing price advances.

In San Francisco higher prices were quoted this week by dealers for all classes of building papers and felts. Nails advanced to $3.80 a keg base price.

REVISE PLANS ON TULARE COURTHOUSE

Revised specifications for the Tulare county courthouse addition are to be completed within a week and the Board of Supervisors is expected to issue a call for bids immediately, it was reported yesterday in Visalia. The courthouse addition will cost approximately $140,000. It is financed in part by a PWA grant.

Architect Ernest J. Kump, Fresno designed the building.

COAST BUILDING PERMITS IN APRIL TOTAL $4,994,889

Month's Volume Lower Than March, But at Level of Year Ago

Pacific Coast building in April was less than that of March and about equal to that of April, 1933, as measured by reports from ninety-nine municipal and county building departments to DAILY PACIFIC BUILDER.

The estimated value of all permits reported was $4,994,889, which compares with $5,014,882 in April a year ago and $6,625,839 last month. The number of permits in April was 5582, comparing with 7295 in the corresponding month a year ago and 5334 in March.

A single permit for $1,000,000 issued in Vancouver, Washington, in March accounts principally for the difference in dollar value between the two months. There were no exceptionally large permits issued in April. The number of permits in April was slightly greater than in March.

Comparison with April 1933, must take into account the abnormal conditions following the earthquake in Long Beach and other Southern California cities. The number of permits in that month was exceptionally high due to minor repair jobs. Work in Long Beach principally of this character amounted to more than a million dollars, compared to $110,000 reported in the past month.

The value of permits reported by seventy California inspectors for April was $4,188,567 compared with $4,511,394 in April, 1933, and $5,316,461 in March.

Following are the fifteen cities reporting largest totals for the month of April:

	Permits	Value
Los Angeles	1157	$1,129,630
San Francisco	391	496,321
Portland	253	236,310
Beverly Hills	63	179,500
Oakland	272	177,631
Seattle	284	173,250
San Diego	211	155,374
Sacramento	108	153,714
Stockton	49	136,825
Long Beach	194	110,449
Pasadena	196	101,379
Fresno	127	94,051
Glendale	56	93,915
Spokane	147	72,955
San Jose	49	72,230

Bids May 22; Estimate Cost $3,752,000

Bids for construction of the Broadway low-level tunnel and other structures which will create a fast highway through the Contra Costa hills between Alameda and Contra Costa counties will be opened May 22, Wallace B. Boggs, chief engineer, announced yesterday.

The proposals were advertised originally for opening last March.

The opening date was postponed pending completion of proceedings to validate the highway district bonds, proceeds from which will be used in part to finance the tunnel construction.

There will be no change of specifications under the new bid call, according to Mr. Boggs. It is believed that all prospective bidders already have procured plans and the time of opening has been set only far enongh aread to enable them to complete their figures.

The bids are to be received and opened by the Directors of Joint Highway District No. 13 in the chambers of the Alameda county board of supervisors, Hall of Records Building, Oakland, at noon, May 22.

The contract is estimated at $3,752,000. The construction funds will be provided in part by sale of district highway bonds, contribution from the State highway funds and by a grant of $1,073,000 from the Public Works Administration.

The entire job is included in the general contract. Five crossing structures are to be constructed in addition to the 2900-foot twin bore. These are the Golden Gate avenue overhead, Landvale overhead, Landvale viaduct and grade separations where the tunnel approaches intersect tracks of the Sacramento Northern railroad.

The portal buildings also are to be erected by the tunnel contractor. The electrical, ventilating and mechanical portions of the work also are to be included in the general contract figure.

The project will provide an additional feeder to the San Francisco-Oakland Bay Bridge, extending from the intersection of Keith Avenue and Broadway in Oakland to a point on the State Highway in Contra Costa county, approximately fourteen hundred ft. (1,400) northerly from the Fish Ranch road.

Structures and tunnels included in the general contract are:

HIGHWAY TUNNELS: Twin bores parallel throughout most of their entire length and brought together at the portals. The average length between the portal buildings is 2910 feet; 22-ft. concrete roadway; 3-ft. sidewalk; air conduits at three points; average concrete thickness throughout varies from 2- to 5-feet; transverse type ventilation. Tunnel walls will be drained with terra cotta and 3-in. cast iron drains.

PORTAL BUILDINGS: Each will be 44x10 ft. and 85 ft. high, of reinforced concrete and steel construction. There will also be two light control structures.

GOLDEN GATE Ave. and Overhead Structure: Is a reinf. concrete bridge with three spans and a total length of 146 ft., 44 ft. of roadway and two 5-ft. sidewalks.

LANDVALE OVERHEAD: Is a 3-span deck bridge of steel girder, reinforced concrete deck, columns and abutments; 140-ft. long, 44-ft. roadway and two 5-ft. sidewalks.

LANDVALE VIADUCT: Is a continuation of the Landvale overhead and is a trapezoidal-shaped structure, three-span, full roadway width viaduct followed by nine 30-ft. spans of half roadway width, side hill viaduct, 360-ft. long, of reinforced concrete construction.

SACRAMENTO NORTHERN Railway Grade Separation: Consists of two structures, one a highway underpass 117 ft. long and a 12x14 ft. opening, the other a railway underpass 144-ft. long 19x25 ft. opening, single track, reinforced concrete construction.

The total estimated quantities follow:

(1) 763,000 cu. yds. grading;
(2) 8,100,000 sta. yds. overhaul;
(3) 44,000 cu. yds. Class A struc. excavation;
(4) 1,000 cu. yds. Class B do;
(5) 362,000 sq. ft. shoulders;
(6) 4,420,000 lbs. reinf. steel;
(7) 445,000 lbs. struc. steel;
(8) 12,150 cu. yds. Class A concrete (structures);
(9) 3,200 cu. yds. Class B do;
(10) 37,700 sq. ft. 8-in. Portland cem. concrete pavement;
(11) 30,400 sq. ft. 6-in. do;
(12) 44,000 sq. ft. asph. conc.;
(13) 724,000 sq. ft. penetration oil macadam pavement;
(14) 2,725 lin. ft. 6-in. concrete curbs;
(15) 945 lin. ft. 12-in. do;
(16) 46 lin. ft. 6-in. conc. curb with guard;
(17) 4,300 sq. ft. concrete gutters;
(18) 21,000 sq. ft. cement sidewalks;
(19) 15 fill protectors (each);
(20) 1,470 lin. ft. 8-in. CMP culvert;
(21) 210 lin. ft. 12-in. do;
(22) 3,300 lin. ft. 18-in. do;
(23) 340 lin. ft. 10-in. "S" reinf. conc. pipe culvert;
(24) 750 lin. ft. 12-in. do;
(25) 430 lin. ft. 15-in. do;
(26) 85 lin. ft. 18-in. do;
(27) 1,470 lin. ft. 24-in., "X" do;
(28) 680 lin. ft. 36-in. "X" do;
(29) 190 lin. ft. 6-in. vit. pipe sewers;
(30) 415 lin. ft. 8-in. do;
(31) 10 each manholes (standard top);
(32) 5 each manholes (inlet tops);
(33) 4 each manholes (grating tops);
(34) 1 storm water inlet, 34-in. opening;
(35) 10 each storm water inlets "B";
(36) 12 each storm water inlets "C";
(37) 1 lamphole, 6-in.;
(38) 1 lamphole, 8-in.;
(39) 3 each lampholes, 12-in.;
(40) 1 handhole;
(41) 4,100 lin. ft. 8-in. perforated CMP underdrains;
(42) 2,020 lin. ft. 6-in. cast iron piping;
(43) 12,400 lin. ft. guard rail;
(44) 640 lin. ft. pipe hand rail;
(45) 220 cu. yds. riprap;
(46) 46,000 lbs. metal cribbing;
(47) 330 cu. yds. stone or gravel for foundations;
(48) 5,620 lin. ft. tunnel construction, Type A;
(49) 200 lin. ft. do. Type B;
(50) 322 lin. ft. cross adits;
(51) lump sum, ventilation buildings, West Bldg. & East Bldg., complete;
(52) lump sum, ventilation equipment, furnishing and installing complete;
(53) lump sum, mechanical equipment furnishing and installing complete;
(54) lump sum, electrical equipment, furnishing and installing complete;
(55) lump sum, carbon monoxide detectors and recorders, furnishing and installing, complete.

Plans and specifications are available at the office of the district engineer, 1448 Webster St., Oakland, upon deposit of $50.

The following have procured plans for the Broadway Tunnel project:

General Electric Co., Russ Building, San Francisco.

Silas Mason Co., 500 5th Ave., New York.

Central Electric Co., 179 Minna St., San Francisco.

H. B. Squires, 1277 Howard Street, San Francisco.

C. F. Henderson, 420 Market Street, San Francisco.

Heafey-Moore Co., 344 High Street, Oakland.

Bates & Borland, 525 Bank of America Bldg., Oakland.

Apartment Estates Club, P. O. Box 202, Oakland.

B. F. Sturtevant Co., 533 Monadnock Bldg., San Francisro.

McClintic-Marshall Co., Tynan and Webster Sts., Alameda.

NePage-McKenny Co., 7 Front St., San Francisco.

Abbott A. Hanks, Inc., 24 Sacramento St., San Francisco.

Alta Electric & Mechanical Co., Inc. 467 O'Farrell St., San Francisco.

Ingersoll-Rand Co., 350 Brannan St., San Francisco.

W. A. Bechtel Co., 155 Sansome St., San Francisco.

MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco.

Judson-Pacific Co., Park Ave., Emeryville.

Westinghouse Electric & Mfg. Co., 1 Montgomery St., San Francisco.

Cutler & Hammer Co., 907 Folsom St., San Francisco.

The Scott Co., 113 10th St., Oakland.

Soule Steel Co., 1750 Army St., San Francisco.

Hartford Accident & Indemnity Co., 720 California St., San Francisco.

Concrete Reinf. Steel Institute, Dist. No. 35, Chronicle Bldg., San Francisco.

Lindgren & Swinerton, 625 Standard Oil Bldg., San Francisco.

Severin Elec. Co., 172 Clara Street, San Francisco.

Cutler Hammer, Inc., 907 Folsom St., San Francisco.

Pacific Coast Steel Co., 208 Illinois St., San Francisco.

The Utah Const. Co., 1 Montgomery St., San Francisco.

Youdall Const. Co., 215 Market St., San Francisco.

Victor Lemoge, 281 Natoma St., San Francisco.

Peninsula Paving Co., 601 Standard Oil Bldg., San Francisco.

Henry J. Kaiser Co., Latham Square Bldg., Oakland.

Aetna Casualty & Surety Co., 333 Pine St., San Francisco.

Ransome Co., 4030 Hollis St., Emeryville.

General Electric Co., Russ Bldg., San Francisco.

Union Paving Co., 72 Montgomery St., San Francisco.

American Blower Corp., Rialto Bldg. San Francisco.

Fairbanks - Morse Co., 35 Harrison St., San Francisco.

Enterprise Electric Works, 1164 Mission St., San Francisco.
Chas. Cooper & Co., 519 Delta Bldg., Los Angeles.
Herbert Moore Machinery Co., 550 Fifth St., San Francisco.
Walsh Const. Co., 904 Chester Williams Bldg., Los Angeles.
Western Pipe & Steel Co., 444 Market St., San Francisco.
Fredrickson & Watson Const. Co., 873 81st Ave., Oakland.
Concrete Engineering Co., 1280 Indiana St., San Francisco.
Westinghouse Elec. & Mfg. Co., 166 Seventh St., San Francisco.
W. A. Kettleman, 9135 San Leandro St., Oakland.
Link-Belt Co., 400 Paul Ave., San Francisco.
The Hunkin Conkey Const. Co., 1740 E 12th St., Cleveland, Ohio.
Dickson-Holbrook Co., 2180 Dwight Way, Berkeley.
United Iron Works, 580 2nd Street, Oakland.
Sullivan Machinery Co., 582 Market St., San Francisco.
The Worthington Co. Inc., 543 Howard St., San Francisco.
Truscon Steel Co., Atlas Bldg., San Francisco.
H. C. Reed Co., 389 Clementina St., San Francisco.
Pacific Coast Aggregates, Inc., 85 2nd St., San Francisco.
Barrett & Hilp, 918 Harrison Street, San Francisco.
H. S. Tittle Co., 85 Columbia Sq., San Francisco.
National Surety Co., 160 Sansome St., San Francisco.
Columbia Steel Co., 1400 Russ Bldg., San Francisco.
Morrison-Kundsen Co., 954 Howard St., San Francisco.
Ariss-Knapp Co., 961 41st St., Oakland.
C. F. Henderson, 420 Market Street, San Francisco.
Frazier-Davis Const. Co., 1319 Macklind Ave., St. Louis, Mo.
Moore Dry Dock Co., foot Adeline St., Oakland.
Western Iron & Body Works, 4063 Emery St., Emeryville.
Steel Tank & Pipe Co., 1100 4th St., Berkeley.
Hanrahan Co., 582 Market St., San Francisco.
C. C. Moore & Co., 450 Mission St., San Francisco.
Roller-Smith Co., 163 Second St., San Francisco.
Drendell-Trumbull Electric Mfg. Co., 260 Van Ness Ave., San Francisco.
Hampton Elec. & Mfg. Co., 525 Howard St., San Francisco.
J. F. Shea Co., Inc., 21 Henry Bldg., Portland, Oregon.
Rosoff Subway Const. Co., 295 Madison Ave., New York City.
Boller, Tank and Pipe Co., 800 75th Ave., Oakland.
West Coast Electric Works, 160 10th St., San Francisco.

MITCHELL MAKING METAL MOULDING

Mitchell Specialty Company of Holmesburg, Philadelphia, has recently installed modern rolling machines and is now engaged in the manufacture of a general line of metal mouldings and shapes, either in straight length or bent form and in a great variety of cross sections.

A. R. Evans, formerly with the Edward G. Budd Mfg. Co., Philadelphia, is in charge of sales.

R. D. Watson Elected Chairman of Code Agency; State Offices to be in S. F.

R. D. Watson, of Fredrickson and Watson Construction Company, Oakland, was elected permanent chairman of the California State Administrative Agency for the Divisional Code Authority for General Contractors at a meeting in Los Angeles this week.

Other officers chosen were H. M. Walker of P. J. Walker Co., Los Angeles, vice-chairman; Warren A. Bechtel, Jr., of Bechtel Brothers, San Francisco, treasurer Floyd O. Booe, secretary-manager of the Northern California chapter, Associated General Contractors, was appointed executive secretary for the agency. He will have offices in San Francisco and the code for the entire state will be administered from here.

Members of the Code Administrative Agency for California, which has been selected by the Code Authority at Washington, are: R. D. Watson, Oakland, S. M. Griffith, Los Angeles, highway contractors; Warren A. Bechtel, Jr., San Francisco, and Lynn S. Atkinson, Los Angeles, engineering contractors; H. M. Walker, Los Angeles, B. O. Larsen, San Diego, and George J. Maurer, Oakland, building contractors.

The Agency, which is a Delaware Corporation, will immediately file qualifying corporate articles authorizing it to do business in California. Until it is properly qualified, it cannot act in official capacity.

This Agency will be the official spokesman for the General Contractors Code Authority and will undertake the administration in California of all of the provisions of the General Contractors Code and the applicable portions of the basic Construction Industry Code.

Temporarily, the facilities of the Northern and Southern California Chapters of the Associated General Contractors will be utilized as administrative headquarters and Mr. Booe and Mr. Connolly will supervise the work respectively in Northern and Southern California, also utilizing the facilities of other chapters.

Outlining the functions of the Agency and its present policy, Mr. Booe said:

"For the time being, registration of contracts will be practically the only work undertaken. The Agency believes this to be the safest course because, shortly, subdivisional regulations will be promulgated and probably assigned to committees from respective subdivisions for administration. The registration is already proceeding under the direction of the various Associated General Contractors chapters, assisted by other contractors' organizations and builders' exchanges conveniently located throughout the state;

ASK NEW BIDS ON BONNEVILLE CEMENT

New bids for furnishing the initial order of cement on the Bonneville project, a total of 300,000 barrels, will be opened May 17 in Portland by Major C. F. Williams, district engineer. Bids received originally were rejected due to a ruling that all proposals did not comply with code requirements of the cement industry.

Alternate bids are asked for delivery at the mill and at Bonneville by rail, barges or trucks. Delivery is to start in July with 10,000 barrels estimated for the first month, increasing to 45,000 barrels in November and December. A maximum of 2,000 barrels will be required in any one day.

PWA Modifies Regulations on Bond Counsel

The federal public works administration has ruled that PWA borrowers will no longer be required to employ nationally recognized bond counsel to pass on their bonds, state engineers have been advised. The letter from the Washington office states:

"To all state engineers: Effective immediately, the administration no longer insists upon the requirement that nationally recognized bond counsel be retained by borrowers or that the opinion of such counsel be forwarded in connection with the requisition. This requirement will no longer appear in contracts to be sent out and will be waived in all those hitherto transmitted to applicants or executed by the administrator. Should applicants, however, desire to proceed as previously with the assistance of bond counsel, feature alone has been eliminated." such procedure

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
231	Henry's	Burt	4000
232	Barbe	Bourdieu	1500
233	Wilson	Owner	8000
234	National	Arras	1237
235	Duart	Coggins	1500
236	Sutro	Owner	1500
237	Robertson	Anderson	1935
238	Barbe	Bourdieu	1500
240	Murphy	Owner	1000
241	Walker	Wagner	15000
242	Rowels	Barrett	1800
243	National	Owner	1650

ALTERATIONS
(231) NO. 70 FOURTH ST. Alter restaurant.
Owner—Henry's Fourth Street Cafeteria, Premises.
Architect—Not Given.
Contractor—V. L. Burt, 279 6th Ave., San Francisco. $4000

BUILDING
(232) S PACIFIC AVE. 175 W Larkin St. One story towel supply building.
Owner—G. Barbe, 1533 Pacific Ave., San Francisco.
Architect—H. E. Harris, 815 Balboa St., San Francisco.
Contractor—G. B. Bourdieu, 2626 20th St., San Francisco. $1500

ALTERATIONS
(233) SE EDDY AND MASON STS. Alter stores.
Owner—A. W. Wilson, 785 Market St., San Francisco.
Architect — C. A. Meussdorffer, 785 Market St., San Francisco. $8000

RETAINING WALL
(234) W RHODE ISLAND 140 N 24th St. Retaining wall.
Owner—National Lead Co. of Calif., 2240 24th St., San Francisco.
Architect—Not Given.
Contractor—Adam Arras, 666 Mission St., San Francisco. $1237

ALTERATIONS
(235) 984 FOLSOM ST.; alter plant.
Owner—Duart Mfg. Co., 984 Folsom St.
Engineer—Shrader Iron Works, 1247 Harrison St.
Contractor—L. M. Coggins, 1128 Oak Street. $1500

ALTERATIONS
(236) 1000 POINT LOBOS; alter swimming pool and baths.
Owner—A. G. Sutro, Sutro Baths.
Architect—H. G. Stoner, 200 Casitis. $1500

ALTERATIONS
(237) 2501 POST ST.; alter flats.
Owner—Mrs. Robertson, 1912 Broderick Street.
Architect—Not Given.
Contractor — Peder Andersen, 4082 Army Street. $1935

STORE
(238) S PACIFIC 175 W Larkin; one-story frame store.
Owner—J. Barbe, 1533 Pacific Ave.
Architect—H. E. Harris, 815 Balboa.
Contractor—J. B. Bourdien, 2625 20th. $1500

REPAIRS
(240) NO. 1168 O'FARRELL ST. Repair fire damage to dwelling.
Owner—Mrs. C. Murphy, Premises.
Architect—Not Given. $1000

ALTERATIONS
(241) NO. 650 SECOND ST. Alterations to bottling works.
Owner—Hiram Walker & Sons, Inc., Premises.
Architect—Smith, Hinchman & Grylls Detroit, Michigan.
Contractor—Geo. Wagner, 181 South Park, San Francisco. $15,000

STATION
(242) MISSION AND VALENCIA. Service station.
Owner—F. M. Rowels, % Contractor.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $1800

ALTERATIONS
(243) 929 MARKET ST.; alter store.
Owner—National Dollar Store, 929 Market Street.
Architect—Bernard J. Joseph, 74 New Montgomery Street. $1,650

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
199	Athens	Owner	1500
200	Rose	Owner	2000
221	McKallor	Owner	5000
222	Brown	Petersen	2000
223	Miller	Cone	1200
224	Oliver	Larmer	1480
225	Albers	Jones	56500
226	Syndicate	Windsor	3500

STABLE
(199) ALBANY; one-story stable.
Owner and Builder—Athens Polo Club, University of California.
Architect—Not Given. $1500

ADDITIONS
(200) WEST SIDE SACRAMENTO St north of Dwight Way, **BERKELEY.**
Owner and Contractor—M. A. Rose, 2448 Sacramento St., Berkeley.
Architect—Not Given. $2000

DWELLING
(221) NO. 6217 ACACIA AVE., **OAKLAND.** Two-story 6-room dwlg.
Owner—H. T. McKallor, 2231 E-39th St., Oakland.
Architect—F. L. Confer, Russell St., Berkeley. $5000

GREASE RACK
(222) NO. 4494 HOPKINS ST., **OAKLAND.** One-story concrete greags rack.
Owner—V. T. Brown and O. W. Williams, 3165 Sheffield Ave., Oakland
Architect—Not Given.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland. $2000

ALTERATIONS
(223) NO. 1518 FRANKLIN STREET, **OAKLAND.** Alterations.
Owner — William Miller Estate Co., 1521 Webster St., Oakland.
Architect—Not Given.
Contractor—Wilbur Cone, 608 16th St., Oakland. $1200

ADDITION
(224) No. 1 DOWNEY PLACE, **OAKLAND.** Addition.
Owner—Wm. L. Oliver, 1 Downey Pl., Oakland.
Architect—C. W. Mayhew, 6026 Acacia Ave., Oakland.
Contractor—Edward Larmer, 90 Fair-View Ave., Piedmont. $1480

BINS
(225) FOOT OF SEVENTH STREET, **OAKLAND.** Concrete storage bins
Owner—Albers Brothers Milling Co., Premises.
Architect—Not Given.
Contractor—Jones-Hettlesater Constr. Co., Kansas City, Mo. $56,500

(226) NO. 1724 MOUNTAIN BLVD., **OAKLAND.** Two-story 5-room dwelling.
Owner — Syndicate Merriewood Co., 1401 Broadway, Oakland.
Architect—F. L. Confer, 2818 Russell St., Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland. $3500

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
33	Plummer	Burks	8788

RESIDENCE
(33) LOT 52 BLK D, Fernside Dist. Alameda. All work for two-story frame residence.
Owner—Sanford Plummer, 1534 Third Ave., Oakland.
Architect—Will H. Toepke, 74 New Montgomery St., San Francisco.
Contractor—C. E. Burks, 4129 Randolph St., Oakland.
Filed May 8, '34. Dated May 7, '34.
1st and 15th day of each month 75%
Usual 35 days.....Balance
TOTAL COST, $8788.55
Bond, $8788.60. Surety, Standard Accident Insurance Co. Limit, 75 days. Forfeit, $10 per day. Plans and specifications filed.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

53	Bradford	Young	400

ALTERATIONS
(53) 150 WILDE AVE.; alterations to building.
Owner—Margaret Bradford.
Architect—Not Given.
Contractor—Young & Horstmeyer.
Filed May 9, '34. Dated May 3, '34.
When roof is on.....25%
Brown coated 25%
When completed 25%
Usual 35 days 25%
TOTAL COST, $400.00
Bond, $400. Sureties, American Bonding Co. of Baltimore. Limit, on or before May 14.

SAN FRANCISCO UNDER $1000

ALTER flats, $200; 4327 18th Street; owner, Emil Anderson, 4327 18th.
BILLBOARD, $12; NE West Portal & 15th; owner, Standard Sta., Inc., 200 Bush St.; contractor, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $12; SE 7th Ave. and Lincoln Way; owner Standard Sta. Inc., 200 Bush; contractor, Foster & Kleiser Co., 1675 Eddy St.
ALTER at, $75; 4115 20th; owner, Max Sieg, 4115 20th.
ALTER dwelling, $800; 1006 Geneva; owner, Albert Sordelll, 243 Irvington; contractor, William Hummer, 5811 Mission St.
SIGN, electric, $165; 332 Clement St.; owner, Toschi & Son Liquor Store, 332 Clement St.; contractor, American Elec. Sign Co., 1740 Eddy.
SIGN, electric, $200; SE Geary and Polk Sts.; owner, Jay Hirsch and Co., SE Geary and Polk; contractor, Novelty Elec. Sign Co., 66 Washburn.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bands
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

2— BONDS

PREPARING PLANS

WINTERSBURG, Cal.—Architect E. E. Parks, 1120 W. Chestnut St., Anaheim, is preparing plans for a new church building to be erected at Wintersburg for the Japanese Presbyterian church. It will be a wood frame structure, 30x75 feet in area, with stucco exterior, wood shingle roof, pine trim and floors, console type gas heaters and automatic water heater.

PLANS COMPLETED

SAN BERNARDINO, Calif.—Architects M. L. Barker and G. L. Ott, 346½ S. La Brea Ave., Los Angeles, have completed plans for a Mission church building to be built in San Bernardino for St. Bernardine Church; Rev. Patrick Dunne, pastor. It will cover an area of 24x50 feet and will be of frame and stucco construction, composition roofing, Celotex ceiling, plaster and wood walls, adobe tile floors. The pastor will handle construction

3— CHURCHES

CONTRACT AWARDED

LONG BEACH, Los Angeles Co., Cal.—Schoenberger Bros., 1640 Obispo St., Long Beach, awarded contract for a one-story and basement church building to be built at 1100 Freeman St., Long Beach; for the East Long Beach Meathodist Church. Plans were prepared by Kenneth S. Wing, architect, and R. E. Inwood, 501 Termino Ave., Long Beach. The basement will contain six classrooms, toilets, social hall and kitchen; the first floor will contain nine classrooms, auditorium to seat 360 people, reception room, nursery, study and kitchenette. Construction will be frame and stucco, tile and composition roofing, reinforced concrete work, cement and pine floors, tiled toilet floors, tiled drainboards, metal lath, art glass, gas heaters, etc.

Lumber Contract Awarded.

CHURCH Cost, $30,000
SAN FRANCISCO, Fourteenth Ave. and Clement St.
One-story reinforced concrete and steel church (to seat 100); felt, gravel and terra cotta tile roof, some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect—F. W. Dakin, 625 Market St., San Francisco.
Contractor—Leo Epp, 4745 Geary St., San Francisco.
Lumber—Roth Maier Lumber Co., 2800 Third St., San Francisco.

4— FACTORIES & WAREHOUSES

BIDS OPENED

SAN FRANCISCO.—DeLuca & Son, Inc., 1745 Filbert St., at $14,500 submitted low bid to Public Utilities Commission, Room 387, City Hall, for the construction of a machine shop building (Airport Contract No. 33).

Work as follows: Piling has been driven for foundation and cut-off at elevation 2.0. The new building to be founded on this piling of concrete footings. Structure will be two-story of reinforced concrete beam and slab floor construction, structural steel frame, timber walls covered with galvanized metal, 18x65 feet; timber roof covered with composition roofing, intering timber frame partitions. Plumbing fixtures not included in this contract.

Following bids received:

DeLuca & Son, San Francisco	$14,500
Clinton Stephenson Co., S. F.	15,460
William Spivock, San Francisco	15,570
A. H. Vogt, San Francisco	15,600
M. B. McGowan, San Francisco	15,950
E. C. Peterson, San Francisco	16,239
Nelson & Meinberger, S. F.	16,457
Frank J. Reilly, S. F.	16,831
H. L. Petersen, San Francisco	17,571
Villadsen Bros., San Francisco	17,600
Schuler & McDonald, Oakland	18,341

Bids held under advisement.

Planned

ALTER WAREHOUSE Cost, $——
ACAMPO, San Joaquin Co., Calif.
Repair warehouse (new flooring, wall and roof repairs, etc.)
Owner—Mrs. A. Howard, Acampo.
Architect—Not Given.

Work Started

ALTER WINERY Cost, $——
HOLLISTER, San Benito Co., Calif. Cinega District.
Alterations and additions to winery (165,000 gallon capacity) concrete walls, etc.
Owner—San Benito Winery (E. L. Martin, Modesto, owner.)
Architect—Not Given.

Contract Awarded

ALTERATIONS Cost, $2000
SAN FRANCISCO, 984 Folsom Street.
Alterations to plant.
Owner—Duart Mfg. Co., 984 Folsom.
Engineer—Schrader Iron Works, 1247 Harrison Street.
Contractor—L. M. Coggins, 1128 Oak Street.

PLANNED

BREWERY Cost, $200,000
PORTLAND, Oregon, Fortieth, West and Canal Streets.
Five-story steel and concrete brewery.
Owner—Silver Foam Brewery Co. (James A. Wilson, Engineer).
Architect—Selected (to be announced shortly).

Directors of the company include: J. Watts Phillips, vice president; E. Winslow Jackson, secretary-treasurer; C. H. Bray, Portland, director, and J. H. Wilson, San Francisco.

To Ask Bids In One Week.

REMODEL BREWERY $150,000
SAN FRANCISCO, No. 240 Second St.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building new bottling line, remodel bottling house.
Owner — Wieland Brewery (Walter Metzenbaum, 240 Second St., San Francisco.
Engineer — Herman Noethit, 240 Second St., San Francisco.

Specifications Being Written

FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner—Channel Pie Co., 3566 C Street, Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Bids will be asked within a few days.

Bids Wanted—To Close May 21, 4:30 P. M.

WAREHOUSE Cost, $200,000
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two - story reinforced concrete warehouse (518x101 ft.) sprinkler system built-up tar and gravel roof, concrete floors, rolling steel doors, electric elevator 520 ft. of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Bros., Oakland.

Plans and specifications are available from above office upon deposit of $10.00.

Planned.

WAREHOUSE Cost, $——
FRESNO, Fresno Co., Cal. F Street between Mono and Inyo Sts.
One-story brick warehouse (50x100 ft.)
Owner—Devlin Drew Co. (J. A. Devlin and R. E. Drew), 1314 Fulton St., Fresno.
Architect—Not Given.

Contract Awarded.

ALTERATIONS Cost, $15,000
SAN FRANCISCO, No. 650 Second St.
Alterations to bottling works.
Owner—Hiram Walker & Sons, Inc., 650 Second St., San Francisco.
Architect—Smith, Hinchman & Grylls, Detroit, Michigan.
Contractor—George Wagner, 181 So. Park, San Francisco.

Heating Contract Awarded.

MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash).
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer — G. J. Pattitz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Heating—Scott Co., 113 Tenth Street, Oakland.

Other awards previously reported.

CONSTRUCTION STARTED

REDLANDS, San Bernardino Co., Cal.—G. Huizing, 6 W State St., Redlands, is supervising the reconstruction of the Crown Jewel packing house at San Bernardino Ave. and Alabama St., west of Redlands, which was recently destroyed by fire. It will be a wood frame structure with corrugated iron exterior. The building and equipment will cost approximately $30,000. Work was started this week.

Planned
ALTER FOR WINERY Cost, $——
ACAMPO, San Joaquin Co., Calif.
Alterations to brick warehouse for winery.
Owner—P. S. DeFlores & Archie Cellini, Elk Grove.
Architect—Not Given.

Planned
WINERY Cost, $25,000
CLEMENTS, San Joaquin Co., Calif. Site To Be Selected.
Winery.
Owner—Henry Warrington, Dan Ostermann and Don Becker, et al.
Architect—Not Given.
J. J. Schmeidt, Clements, is acting as agent to select a site for the proposed plant.

CONTRACTS AWARDED
LOS ANGELES, Cal.—Architect J. H. Cooper, 6241 W. 6th St., reports that subcontracts for a factory building under construction at 3601 Santa Fe Ave. for Glass Containers, Inc., have been awarded as follows: Excating, reinforcing steel, carpentry and concrete work to R. V. Mead; plumbing to H. G. Cary; electric wiring to H. M. Nicholson; structural steel to Philip Freidman, Inc.; ventilators and steel decks to H. H. Robertson Co.; composition roofing to Standard Roof Co.; plastering to H. Reese; steel sash and glass to Lawrence Glass Co.; scales to Toledo Scales Co.; painting to F. W. Stringer; corrugated iron and sheet metal to Arcade Cornice Works. Plans were prepared by Architect J. M. Cooper, 6241 W. 6th St. Cost, $75,000.

Contract Awarded.
BREW HOUSE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. No. 1025 Cinnabar Street.
Four-story reinforced concrete brew house (24x66 feet).
Owner — Pacific Brewing & Malting Co., Russ Bldg., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.

Contract Awarded.
ALTER CANNERY Cost, $6000
SAN JOSE, Santa Clara Co., Cal. No. 374 Stockton Avenue.
Alterations to cannery.
Owner—Richmond Chase Co., Prem.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—G. M. Latta, 157 Rhodes Court, San Jose.

Plans Being Completed
WINERY & OFFICES Cost, $100,000
AMPERE, San Joaquin Co., Calif.
One-story winery (170x260 ft.) and 1-story frame office building (type of construction not determined) 750,000 gal. capacity.
Owner—Bear Creek Winery & Vineyard Assn. (L. K. Marshall, Gottfried Handel, Jos. Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Frank Mayo, 108 E. Miner Street, Stockton.
Bids will be asked in about 10 days and will be taken on three propositions as follows:
(1) reinforced concrete construction;
(2) special composition;
(3) reinforced plaster wall construction.

5— FLATS

Contract Awarded
ALTER FLATS Cost, $2500
SAN FRANCISCO, 2501 Post Street.
Alterations to frame flats.
Owner—Mrs. Robertson, 1912 Broderick Street.
Architect—Not Given.
Contractor — Peder Andersen, 4082 Army Street.

6— GARAGES & SERVICE STATIONS

BIDS WANTED
LOS ANGELES, Calif.—Until May 16, 11:00 A. M., bids will be received by the Veterans' Administration, Fort Miley, San Francisco, for the construction of one personnel garage of four stalls at the Veterans' Administration Facility, Los Angeles, Calif. Bids will be taken as follows:
(1) Work complete, less concrete floors and aprons, outside stucco,
(2) Work complete, including concrete floors and aprons.
(3) Work complete including outside stucco.
(4) Work complete using upswinging doors in lieu of swinging doors.

Plans Being Completed
WAREHOUSE Cost, $25,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One-story wood frame grain warehouse (220x250 ft.) galvanized iron roofing and siding, concrete floors, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner. Bids will be asked in about 10 days. Equipment will be purchsaed by the lessee, whose name will be disclosed at a later date.

Sub-Contracts To Be Awarded
COTTON COMPRESS Cost, $230,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One - story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.
Owner—City of Stockton (Port Commission), City Hall, Stockton.
Plans by Engineering Dept. of Owner, (Col. B. C. Allin, Port Director).
Low Bidder—O. H. Chain, 41 S. Sutter St., Stockton, at $265,000.
Following are the sub-contracts submitted with the general bid of O. H. Chain, low bidder:
Excavation & Roads—R. E. McCarthy, 603 Eastworth St., Stockton.
Pumping System—Sterling Pump Co., 646 S. California St., Stockton.
Railroad Construction—Willard & Biasotti, 40 W. Clay St., Stockton.
Roofing—Stockton Roofing Co., 736 N. Hunter St., Stockton.
Mill Work—Electric Planing Mill Hazelton and Monroe Sts., Stockton.
Painting—J. F. Garrow, 51 E. Noble St., Stockton.
Water System—F. W. Snook, 596 Clay St., San Francisco.
Cotton Compress Machinery—Robt. S. Webb, Minden, Louisiana.
Boiler Room Equipment—F. W. Snook Co., 596 Clay St., San Francisco.
Plumbing—Miller Hayes Co., 742 East Miner St., Stockton.
Sprinkler System—Grinnell Co. of the Pacific, 601 Brannan St. San Francisco.
Electric Wiring and Fixtures—C. J. Franke, 748 E. Weber Ave., Stockton.
Recommendation has been made to the PWA State Engineer that contract be awarded to Mr. Chain. This project is financed in part by PWA funds and contractors are subject to PWA regulations.
(3070) 1st report Feb. 16; 8th, May 3, 1934.

Contract Awarded
SERVICE STATION Cost, $2000
SAN FRANCISCO, Mission and Valencia Streets.
Service station.
Owner—F. M. Rowels, % contractors.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison Street.

Sub-Contracts Awarded.
SERVICE STATION Cost, $——
OAKLAND, Alameda Co., Cal. No. 3535 Telegraph Avenue.
One-story brick service station.
Owner—Gilmore Oil Company.
Architect—Not Given.
Contractor—George W. Nunes, 5430 Dover St., Oakland.
Concrete—Thos. A. Ryan, 5215 Fleming Ave., Oakland.
Plumbing—Grand Ave. Plumbing Co., 3338 Grand Ave., Oakland.
Brick—Pete C. Knudsen, 3724 Balfour St., Oakland.
Electric — Paramount Electric Co., 4216 Telegraph Ave., Oakland.
Plastering—Emil Eichner, 1521 Harmon St., Berkeley.
Iron Work—Herrick Iron Works, 18th and Campodl Sts., Oakland.

BIDS WANTED
SAN FRANCISCO—Until May 16, 11 A. M., bids will be received by the Veterans' Administration, Fort Miley, San Francisco, for the construction of one personnel garage of four stalls at the Veterans' Administration Facility, Fort Miley, San Francisco, Bids will be taken as follows:
(1) Work complete, less concrete floors and aprons, outside stucco.
(2) Work complete, including concrete floors and aprons.
(3) Work complete including outside stucco.
(4) Work complete using upswinging doors in lieu of swinging doors.
Previously reported as being located in Los Angeles, which was in error.

7—FEDERAL BUILDING

BIDS WANTED
SAN FRANCISCO—Until May 22, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for completion of steam heating system at Fort Mason. Plans and specifications available from above office upon deposit of $5.

PLANNED
SANTA BARBARA, Cal. — Treasury Department is considering a proposal to rehabilitate and enlarge the present United States Post Office building in Santa Barbara at an estimated cost of $300,000. Additional property, adjacent to the present site, will be purchased to provide space for the enlargement program in the event the plan materializes.

BIDS WANTED
LONGVIEW, Wash.—Until May 25, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for waterproofing exterior brickwork of the U. S. Post Office building at Longview, Washington.
Specifications obtainable from above office and from the Custodian of the building, Longview, Wash.

PLANNED
ORANGE, Orange Co., Cal.—Treasury Department has completed the purchase of property at Chapman Ave. and Lemon St., Orange, where the new United States post office is to be erected. The sum of $54,900 remains for building purposes in the appropriation set aside for the project. Plans will probably be prepared by the suervising architect in Washington.

PLANNED
ANAHEIM, Orange Co., Cal.—Treasury Department has completed the purchase of property on Broadway, be-

tween Lemon and Los Angeles Sts., Anaheim, where the new United States post office is to be erected. The sum of $108,500 remains in the Anaheim appropriation for building purposes. Frederick H. Eley ,109 Orange Avenue, Santa Ana, architect.

CONTRACT AWARDED

WASHINGTON, D. C.—J. C. Lombard Co., 1433 Newton Street N. W., Washington, D. C., at $4,718 awarded contract by Treasury Department for models for the special lighting fixtures for the Interstate Commerce Building, Washington, D. C. Arthur Brown, 251 Kearny St., San Francisco, architect.

CONTRACT AWARDED

LOS ANGELES, Cal.—Geo. Fensky & Co., 761 Tehama St., San Francisco, awarded contract by the Post Office Department at $1390 for furnishing furniture and screenline equipment for Station D, Los Angeles post office.

BIDS OPENED

SAN FRANCISCO—Following bids received by Port Quartermaster, Fort Mason, for installing oil burner in Quarters No. 4, South, Fort Mason:

Simplex Burner Co., Mills Bldg.	$303.00
Ray Burner Co., 401 Bernal St.	315.00
Alternate	295.00
S. G. Johnson Co.	323.15
E. A. Cornely, Inc.	404.95

Bids held under advisement.

BIDS STILL UNDER ADVISEMENT

ALHAMBRA, Los Angeles Co., Cal. —Treasury Department is holding the bids under advisement for the construction of Post Office building to be erected in Alhambra. The lowest bid was submitted by Schuler & McDonald, 1723 Webster St., Oakland, at $184,-000 and there is not sufficient funds available. Plans will probably be revised and new bids asked shortly.

Complete bids published April 12.

PROSPECTIVE BIDDERS

SAN FRANCISCO. — The following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., May 17, 2 P. M., for treatment for floor finishes in the new extension portion of the U. S. post office and court house at San Francisco:

National Floor Engr. Co., Inc., 480 Lexington Ave., New York City.

Universal Floor Prod. Co., 78 Madison St., Chicago.

Continental Car-na-var Corp., Brazil, Indiana.

Edward Sullivan Co., 1627 W. Fat St., Detroit.

J. M. Drelin Co., Noblesville, Ind.

Hillijard Chemical Co., 801 S. 9th St., St. Joseph, Missouri.

Lasting Paint Products Co., 1400 Moreland Ave., Baltimore.

Roy Payne, 1503 Irving St., Washington, D. C.

Windsor Wax Co., Inc., 50 Church St., New York City.

The Staninite Corp., First National Bank Bldg., New Haven, Conn.

Turner Resilient Floors, Inc., 230 E. Ohio St., Chicago.

Wood Tile Corporation, Grand Rapids, Michigan.

BIDS WANTED

LOS ANGELES, Cal.—Until June 15, 2:30 P. M., bids will be received by the Veterans' Administration, Construction Service, Washington, D. C., for furnishing wrought iron gates and wire fence at the Veterans' Administration Facility at Los Angeles, California.

BIDS WANTED

CEDAR CITY, Utah—Until May 18, bids will be received by the Treasury Department, Washington, D. C., for miscellaneous changes at the U. S. Post Office, Cedar City, Utah.

BIDS OPENED

BEVERLY HILLS, Los Angeles Co., Cal.—Following bids received by Treasury Supply Division, Washington, D. C., for metal shelving for Beverly Hills Post Office:

Commercial Office Furniture Co.	$1099.53
Interior Steel Equip. Co.	1170.06
Berger Mfg. Co.	1209.60
Metal Office Furniture Co.	1234.56
Penn Metal Co.	1268.67
Fred Medart Mfg. Co.	1311.13
Globe-Wernicke Co.	1318.49
Lyon Metal Products Co.	1341.52
Worley & Co.	1358.34
Electric Service Supplies Co.	1360.60
DeLuxe Metal Furniture Corp.	1309.75
Art Metal Constr. Co.	1371.15

CONTRACT AWARDED

BOULDER CANYON, Nevada—Ornamental Iron Works, Akron, Ohio, at $11,551 awarded contract by U. S. Bureau of Reclamation, Denver, Colo., for spiral stairway and platform for the Boulder Power Plant, Boulder Canyon Project. Spec. 611-D.

BIDS WANTED

LOS ANGELES, Calif.—Until June 4, 2:30 P. M., bids will be received by the Veterans' Administration, Fort Miley, San Francisco, for the construction of one animal house at the Veterans' Administration Facility, at Los Angeles, Calif. Work includes concrete work, hollow building tile, lathing and plastering, roofing, sheet metal, carpentry, glazing, hardware, insect screens, painting, electrical work, plumbing, woven wire fence and gates.

BIDS WANTED

LOS ANGELES, Calif.—Until June 5, 2:30 P. M., bids will be received by the Veterans' Administration, Construction Service, Washington, D. C., for the construction of alterations to connecting corridors at the Wadsworth Hospital, Veterans' Administration Facility at Los Angeles, Calif. Work includes excavation work, reinforced concrete, hollow tile, brick work, cast stone, tile, sheet metal, metal lathing, stucco, carpentry, insect screens, painting, glazing, electrical work and connections to electric distribution system.

BIDS WANTED

SAN FRANCISCO.—Until May 17, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for the construction of a battery charging station and fire station in Dock Area, Fort Mason. Plans and specifications available from above office upon deposit of $5.00.

CONTRACT AWARDED

FORT STANTON, N. M.—Kimball Bros., Council Bluffs, Iowa, at $5,830 awarded contract by Treasury Department, Washington, D. C., for furnishing and installing elevator plant in the U. S. Marine Mospital, Fort Stanton. Complete bids published April 3.

PREPARING PLANS

FRANCE FIELD, C. Z. — Supplementary plans for reinforcing steel are being prepared for two barracks buildings for France Field, for which bids will be asked shortly.

Plans obtainable from the Constructing Quartermaster, Fort Mason.

CONTRACTS AWARDED

ALCATRAZ ISLAND, Cal.—Fred J. Early, Jr., 369 Pine St., San Francisco at $8,169 for steel frame guard towers and walkways, and Young & Horstmeyer, 461 Market St., San Francisco, at $1,700 for plumbing, awarded contracts by Bureau of Prisons for construction of three guard towers and walkways at Alcatraz Island. Complete bids published April 28.

(4258) 1st report April 13; 2nd, April 28, 1934.

BIDS OPENED

SEATTLE, Wash.—J. W. Rollinson, 1202 N. 46 th St., Seattle, at $945 submitted low bid to Treasury Department, Washington, D. C., for waterproofing exterior masonry of all officers' quarters and attendants' building at the U. S. Marin Hospital, Seattle. Following bids received:

J. W. Rollinson, Seattle	$ 945
A. T. Pande, Seattle	1250
Patterson Bros., Oakland	3700

Bids held under advisement.

BIDS WANTED

EL CENTRO, Imperial Co., Cal.—Bids are being received by the Custodian, El Centro Post Office, for closing opening over the lobby screens in the U. S. Post Office, El Centro.

CONTRACT AWARDED

FORT TOWNSEND, Wash.—Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, at $218,000 awarded contract by Treasury Department for the construction of buildings, boat basin, wharf, etc., at the U. S. Quarantine Station, Port Townsend, Wash.

HEATING & VENTILATING EQUIPMENT APPROVED

SAN FRANCISCO.—Following heating and ventilating equipment contracts have been approved by Treasury Department for five-story Federal Office Building under construction in the Civic Center, San Francisco. J. A. Nelson, 1375 Howard St., has the contract for the heating and ventilating. Great Lakes Const. Co., general contractors.

Boilers—Kewanee Boiler Co., 637 Minna Street.

Oil Burning Equipment—S. T. Johnson Oil Burner Co., 585 Potrero Ave.

Vacuum Pump—Nash Engr. Co., Sharon Building.

Radiator Valves and Traps—Milwaukee Valve Co., 2355 S. Burrell St., Milwaukee, Wis.

Line Valves—Reading, Pratt & Cady, 425 2nd St.

Cast Iron Radiation—U. S. Radiator Corp., 640 2nd St.

Special Radiators — Chase Brass and Copper Co., 678 2nd St.

Temperature Control—Johnson Service Co., Rialto Bldg.

Ventilating Fans — B. F. Sturtevant Co., Monadnock Bldg.

Fan Blast Heaters — Trane Co., 1129 Folsom St.

Motors & Starters—Westinghouse El. & Mfg. Co., 1 Montgomery St.

BIDS OPENED

FORT LEWIS, Wash.—General Installation Co., Olympia, at $13,540 submitted low bid to Constructing Quartermaster, Fort Lewis, for the installation of plumbing and heating equipment for the Drill Hall at Fort Lewis. Following bids received:

University Plbg. & Htg. Co., Seattle	$15,150
Herbert Plumbing Co.	15,500
Advance Plb. & Htg. Co.	15,880
Gehri Co., Tacoma	15,999
Hellenthan Plb. & Htg. Co., Seattle	16,175
West Coast Plb. & Htg. Co., Seattle	17,553
Berghs-Griggs Co., Tacoma	18,551

(4350) 1st report April 24, 1934.

ADDITIONAL PROSPECTIVE BIDDERS

SAN FRANCISCO. — The following are additional contractors and others who have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Division, Washington, D. C., on May 22, for furnishing and installing interior

lighting fixtures in the U. S. Federal Bldg., San Francisco:
Gill Glass & Fixture Co., 122 West Baltimore St., Baltimore.
Ivanhoe Division of Miller Co., Meriden, Conn.
Kayline Co., 600 Huron Ave., Cleveland, Ohio.
The Simes Co., 22 W. 15th St., New York City.
Cox, Nestrand and Gunnison, 339 Adams St., Brooklyn, N. Y.
Walter G. Warren, 363 E. Ohio St., Chicago.
Lightolier Co., 11 E. 36th St., New York City.
Perfeclite Co., 1457 E. 40th Street, Cleveland, Ohio.
Horn & Brannan Co., Inc., 427 N. Broad St., Philadelphia.
Illuminating Mfg. Co., 15 S. Clinton St., Chicago.
Ferro Art Lighting Fixture Co., 12 Vestry St., New York City.
Edwin F. Guth Co., Jefferson and Washington Ave., St. Louis.
Benson Brass & Electric Co., 3001 E. 18th St., Kansas City, Mo.
Majestic Metal Spinning & Stamping Co., 61-67 Navy St., Brooklyn, N. Y.
F. W. Wakefield Brass Co., Vermilion, Ohio.
Frankford Lighting Fixture Mfgrs., 4273 Frankford Ave., Philadelphia.
Cassidy Co., Inc., 101 Park Avenue, New York City.
Curtis Lighting Co., Inc., care T. H. Bailey, Jr., 910 Garrett Bldg., Baltimore.
Home Lighting Co., 11 N. Howard St., Baltimore.
Maier Electric Co., 213 E. Hennepin Ave., Minneapolis, Minn.
Conrad-Schmidt Studios, 11 W. 42nd St., New York City.
Moe-Bridges Co., 236 Broadway, Milwaukee, Wis.
H. A. Framburg & Co., 3320 Carroll Ave., Chicago.
J. Schoenvack Elec. Co., 834 Sutter Ave., Brooklyn, N. Y.
Metalcrafts, 712 Reading Road, Cincinnati, Ohio.
Dayton Mfg. Co., Dayton, Ohio.
(4390) 1st report April 28; 2nd, May 1, 1934.

8— CLUB BUILDINGS

Planned.
ALTER LODGE BLDG. Cost,$——
VALLEJO, Solano Co., Cal. Marin Street.
Alterations to present lodge building (install new elevator, etc.)
Owner—Knights of Columbus (J. M. Rodgers, Grand Knight).
Architect—Not Given.

Plans Being Figured.
LODGE BLDG. Cost, $7000
SEBASTOPOL, Sonoma Co., Cal. Co. Main Street.
Two - story Class A concrete lodge building.
Owner — Sebastopol Post, American Legion, Post 39.
Architect—Not Given.
A. M. Garcia, chairman of the building committee.

Construction Under Way
CLUB Cost, $——
BIJOU, El Dorado Co., Calif., Lake Tahoe.
One and one-half story concrete block night club (asbestos shingle roof and corrugated iron roof, steel sash, maple flooring, etc.).
Owner — Bal-Bijou Company, Bijou, Calif.
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.

May 10, 1934
Additional Sub-Contracts Awarded
MASONIC HALL Cont. Price, $42,570
VISALIA, Tulare Co., Cal. S Locust St. and Mineral King Ave.
Two - story reinforced concrete Masonic temple (65x10 ft.) composition flat roof, gas heating system, cooling system, maple floors, etc., (will contain 2 lodge rooms, banquet, club, reading rooms, kitchen small stage, etc.)
Owner—Masonic Temple Association.
Architect — P. L. Dragon and C. H. Schmidts, 3016 Telegraph Avenue, Berkeley.
Contractor—W. T. Harris, 557 McKinley Ave., Fresno.
Decorative Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Hardware—Visalia Hardware Co., Visalia.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

9— HOSPITALS

PREPARING PRELIMINARY SKETCHES
LOS ANGELES, Calif. — Architects Myron Hunt and H. C. Chambers, 408 S. Spring St., room 1208, are preparing preliminary sketches for a large hospital building to be erected at Boyle and Michigan Avenues for White Memorial Hospital, 304 N. Boyle Avenue. The building will be a Class A structure, costing approximately $400,000. Competitive bids will be taken when the project has reached that stage, although it has not been determined when construction will be put under way.

CONTRACT AWARDED
AGNEW, Santa Clara Co., Calif—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $320 awarded contract by State Purchasing Department for miscellaneous iron at the Agnew State Hospital. Complete bids published April 25.

Sub-Contracts Awarded.
HOME Cont. Price, $157,000
SITKA, Alaska.
Three-story reinforced concrete pioneer's home (accommodate 50 patients). X-Ray room, solarium, offices, recreation, card room, morgue, etc.
Owner—Pioneers' Home, Sitka.
Architect—Heath, Gove & Bell, Tacoma, Wash., and N. Lester Troast Juneau, Alaska.
Contractor — Warrack Constr. Co., MacDowell Bldg., Seattle.
Ventilating System — Rice & Ahlers Co., Juneau, Alaska.
Plumbing and Heating—H. C. Hasdorf, Inc., Portland, at $3872.

FIRE LOSS
MARYSVILLE, Yuba Co., Cal.—Yuba County Hospital was partially damaged by fire May 7. Damage estimated at $5,000.

10— HOTELS

Plans Being Prepared
HOTEL Cost, $20,000
TAHOE CITY, Placer Co., Calif.
Construct new hotel (replace one destroyed by fire recently).
Owner—Carl Bechdolt, Constable, Tahoe City.
Architect—Not Given.

Planned.
DORMITORY Cost, $60,000
LOS GATOS, Santa Clara Co., Cal. Tevis Estate.
Construct new dormitory (first wing to accommodate 50).
Owner—Jesuit Order.
Architect—Edward Eames, 353 Sacramento St., San Francisco.

CONTRACT AWARDED
ALCATRAZ ISLAND, Calif. — MacDonald & Kahn, Financial Center Bldg., San Francisco, at $12,467 were awarded contract by Bureau of Prisons for detention type steel sash windows at Alcatraz Island. Complete bids published May 1.
(4335) 1st report April 21; 2nd, May 1,

Contemplated
ALTER HOTEL Cost, $——
SAN FRANCISCO. 44 Fourth Street.
Alterations to eight-story hotel.
Owner—Society of California Pioneers.
Architect—A. R. Denke, 1429 Broadway, Oakland.
Proposed work is in a very preliminary stage and a survey is now being made of the building to determine necessary improvements and cost of same.
(4456)

11— ICE AND COLD STORAGE PLANTS

Planned.
REFRIGERATION SYSTEM $3000
SANTA CRUZ, Santa Cruz Co., Cal. Municipal Wharf.
Construction of new refrigeration system and ice box on Municipal Wharf.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—Not Given.
The ice box will be constructed by the owner and bids will probably be asked for the refrigeration system.

12— POWER PLANTS

Plans Being Completed
POWER PLANT Cost, $225,000
PULLMAN, Washington. University of Washington.
One-story steel and reinforced concrete power plant (brick and tile panel walls, concrete roof slab, built-up roof, two large boilers, machinery and equipment).
Owner—University of Washington.
Architect—Stanley A. Smith, Pullman.
Engineer—Howard Landgon, Pullman.
Bids will be asked in about 6 weeks.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Plans Being Completed
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined).
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Bids will be asked in about 10 days.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

PROPERTY PURCHASED
MILL VALLEY, Marin Co., Cal.—City of Mill Valley has purchased the property on Corte Madera Ave. near Throckmorton as the site for the proposed new city hall. The site has a 100 foot frontage. Further details will be announced shortly.

CONTRACT AWARDED
SAN QUENTIN, Marin Co., Cal.—Patterson & Koster Iron Works, 280 13th St., San Francisco, at $142 awarded contract by State Purchasing Department, Sacramento, for ornamental iron work at the State Prison, San Quentin. Following bids received:
Patterson & Koster Iron Works....$142
Monarch Iron Works..... 143
Anchor Post Fence Co..... 179
All bidders of San Francisco.

Plans To Be Prepared.
FIRE HOUSE Cost, $10,000
BERKELEY, Alameda Co., Cal. Yolo St. and The Alameda.
One - story reinforced concrete fire house.

Owner—City of Berkeley.
Architect—Hardman & Russ, 2068 Allston Way, Berkeley.

14— RESIDENCES

Plans Being Completed.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Calif. Las Haciendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.)
Owner—E. L. Bundy.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

Contract Awarded
RESIDENCE Cost, $10,500
MENLO PARK, San Mateo Co., Calif. Arbor Ave. near Valparaiso.
Two - story and basement frame and stucco residence (Spanish style) tile roof, etc.
Owner—Brooke Mohun.
Architect—Not Given.
Contractor—Oscar L. Cavanagh, 432 Occidental Ave., San Mateo.

BIDS OPENED
SAN FRANCISCO.—L. Ubels, Ripon, at $10,110 submitted low bid to Public Utilities Commission, Room 287, City Hall, for the construction of a frame dormitory (H.H.W.S. Contract 147). Building will be approximately 62x68 feet, 1-story and basement in height.
Work involves: concrete, brick work, miscellaneous iron, steel and metal work, carpentry, glass and glazing, cement finishing, painting, finish hardware, linoleum, plumbing and plumbing fixtures, electrical wiring and electrical fixtures.
Following bids received:
L. Ubels, Ripon $10,110
H. Tennyson, Modesto 10,440
DeLuca & Son, Inc. 10,694
B. A. Howkins 12,000
Wm. Spivock, San Francisco 12,320
Clinton Stephenson Const. Co. 13,263
Bids held under advisement.

Contract Awarded
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. 2719 North Van Ness Avenue.
One - story and basement frame and stucco residence.
Owner—Erma Allen, Fresno.
Architect—Not Given.
Contractor—H. S. Koon, 1401 N Calaveras St., Fresno.

Contract Awarded
RESIDENCE Cost, $56,806
LOS ALTOS, Santa Clara Co., Calif.
Two - story and basement frame and stucco residence.
Owner—Harold L. Hamilton, 570 Coleridge Ave., Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Godenough, 569 Lowell Ave., Palo Alto.

Plans Being Completed
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Bids will be asked from a selected list of contractors within a few days.

Additional Sub-Contracts Awarded
ALTERATIONS Cost, $11,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Alterations and additions to two-story frame and stucco residence.
Owner—Frank Atkins, Campus Theater, Berkeley.
Architect—Newsom and Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Concrete—Gus Johnson, 3857 Vale Ave. Oakland.
Sheet Metal—Christiansen & Grutsch, 4444 Piedmont Ave., Oakland.

Lumber Contract Awarded
RESIDECNE Cost, $10,000
BERKELEY, Alameda Co., Cal. The Alameda.
Two - story and basement frame and stucco residence (9 rooms and 2 baths) tile roof, gas hot air heating system, separate 2-car garage, hardwood floors, tiled baths, etc.
Owner—G. A. Fillce, 449 Key Blvd., Richmond.
Plans by L. F. Hyde, 701 25th Street, Oakland.
Contractor—Herbert Green, 802 Cerrito St., Berkeley.
Lumber—San Pablo Lumber Co., 10th and Ohio Sts., Richmond.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
SAN FRANCISCO. S Surrey 60 W Lippard Street.
One-story and basement frame and stucco residence (5 rooms) composition roof, gas heating system, hardwood floors, tiled baths, etc.
Owner and Builder—D. V. Godin, 586 Monterey Blvd., San Francisco.
Plans by B. K. Dobkowitz, 425 Monterey Blvd, San Francisco.

Contract Awarded
RESIDENCES Cont. Price, $160,688
BONNEVILLE, Ore. Columbia River.
Twenty two-story and basement frame and stucco residences (3 and 4 bed room houses) warm air heating system (to be furnished by the government) tile baths and kitchen, metal lath.
Owner—United States Government.
Plans by U. S. Engineers' Office, Portland.
Contractor—George Waale Co., 329 S. W. Oak St., Portland.

Owner Taking Bids
ALTER RESIDENCE Cost, $1200
SAN MATEO, San Mateo Co., Calif. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—David Bohannon, 526 Dorchester Road, San Mateo.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
(4265) 1st report April 14; 3rd, April 27, 1934.

Low Bidder
RESIDENCE Cost, $——
PALO ALTO, Santa Clara Co., Calif.
Two-story frame and stucco residence.
Owner—Harry Creech, 215 Lowell St., Palo Alto.
Architect—Leslie I. Nichols, Palo Alto.
Low Bidder — E. J. Schmalling, 863 Melville Ave., Palo Alto.
(4411) 1st report May 2; 2nd, May 3.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
One - story and basement frame and stucco residence (5 rooms and 2 baths).
Owner & Builder—M. A. Peel, 10 Oakvale Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Lumber—Humphrey - Farrar Lbr. Co., 1314 Rose St., Berkeley.
Plumbing—J. A. Fazio, 402 Castro St., Berkeley.
Heating—Bertel Mork, 1606 Tenth St., Berkeley.
Chimney—O. R. Reistrup, 3104 Ellis St. Berkeley.
Foundation—P. Barelli & Son, Berkeley.

Sub-bids are wanted on plastering, sash and doors, painting and roofing.

Sub-Contracts Awarded
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. Keeler Ave. S. Forest Lane.
One - story and basement frame and stucco residence.
Owner—Alfred T. Foster, 924 Hilldale Ave., Berkeley.
Architect—Not Given.
Contractor—Ted Carleton, 924 Hilldale Ave., Berkeley.
Plumbing—A. I. Baker, 1510 Cedar St., Berkeley.
Floors—Oakland Floor Co., 2231 7th St. Berkeley.
Brick—P. C. Clausen, 170 Ardmore Rd. Berkeley.
Plastering—Harry Mortensen, 4060 E. 18th St., Oakland.
Heating—Golden Gate Sheet Metal Works, 1422 14th Ave., Oakland.
Steel Sash—East Bay Glass Co. 621 6th St., Oakland.
Concrete—Axel A. Johnson, 1844 Channing Way, Berkeley.

Sub-Contracts Awarded
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines, Lot 2269.
One - story and basement frame and stucco residence (5 rooms) Spanish style, tile roof, gas heating system, hardwood floors, etc.
Owner and Builder—Paul H. Haller, 5243 Golden Gate Ave., Oakland.
Architect—Not Given.
Plumbing—Suendermann Plbg. Co., 921 University Ave., Berkeley.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Mill Work—Sheehan - Ballard Planing Mill, 9th and Parker, Berkeley.
Roofing—W. L. Rideout, 641 Central Ave., Alameda.
Electric—F. W. Parkhurst, 6432 Pinehaven Road, Oakland.
Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.

Contract Awarded.
RESIDENCES Cost, $2500 each
OAKLAND, Alameda Co., Cal. Merriewood Tract.
Two one-story frame residences.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.

Contract Awarded.
ALTER RESIDENCE Cost, $9000
SAN FRANCISCO. No. 74 25th Ave.
Alterations to two-story frame residence.
Owner—Martin Dinkelspiel, 333 Montgomery St., San Francisco.
Architect — Bakewell & Weihe, 251 Kearny St., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco.

Contract Re-awarded
RESIDENCE Cost, $5000
WINTERS, Yolo Co., Calif.
One-story and basement frame and stucco residence (6 rooms).
Owner—Harry Brinck.
Architect—Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—James Duthy, Davis, Cal. Contract was previously awarded to A. Gale of Winter.

Contract Awarded
RESIDENCE Cost, $4000
BELMONT, San Mateo Co., Cal. Bayview Heights.
One - story and basement frame and stucco residence.
Owner—G. A. Bates.
Architect—Not Given.
Contractor—A. E. Orton, 2249 Highway, Palo Alto.

Contract Awarded
RESIDENCE Cost, $6500
CENTERVILLE, Alameda Co., Calif.
One - story and basement frame and stucco residence (5 rooms) California Colonial style.
Owner—Manuel Santos, Centerville.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
PIEDMONT, Alameda Co., Cal. Pines Tract.
One-story and basement frame and stucco residence (5 rooms), English type.
Owner—Wesley C. Hayward.
Architect—Not Given.
Contractor — G. G. Allen, 1239 106th Ave., Oakland.
Contractor—Allen & Allen, 1239 106th Ave., Oakland.
Lumber—Smith Lumber Co. of Oakland, Foot of Ninth Ave., Oakland
Electric—Kerr & Clifford, 3525 East 14th St., Oakland.
Steel Sash and Doors—Western Door & Sash Co., Fifth and Cypress Sts., Oakland.
Sub-bids are wanted on brick work painting and hardwood floors.

Sub-Contracts Awarded.
RESIDENCE Cost, $—
OAKLAND, Alameda Co., Cal. Acacia Ave. near Ocean View Drive.
One and one-half-story residence (5 rooms).
Owner—Victor Rohmer.
Architect—Not Given.
Contractor—James L. Rich, 556 37th St., Oakland.
Millwork and Lumber—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Plumbing — K. C. Nelson, 2534 14th Ave., Oakland.
Plastering—I. Purcelli, 4722 Shattuck Ave., Oakland.
Electric—Paramount Electric Co., 4216 Telegraph Ave., Oakland.

Plans Being Completed.
RESIDENCE Cost, $6000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story and basement frame and stucco residence.
Owner—Not Given.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Planned.
ALTERATIONS Cost, $—
PALO ALTO, Santa Clara Co., Cal. Stanford University Campus.
Alterations and additions to sorority house.
Owner—Kappa Gamma Sorortiy.
Architect—J. K. Branner, 210 Post St., San Francisco.
Proposed work is in a very preliminary stage and financing arrangements are being worked out.

Plans Being Prepared.
RESIDENCE Cost, $—
SAN ANSELMO, Marin Co., Cal.
Two-story frame and stucco residence (7 rooms and 2 baths)
Owner—F. H. Allen.
Architect — N. W. Sexton, deYoung Bldg., San Francisco.

Contract Awarded
RESIDENCE Cost, $8788
ALAMEDA, Alameda Co., Cal. Fernside District.
Two - story and basement frame and stucco residence.
Owner—Sanford Plummer, 1534 Third Ave., Oakland.
Architect — W. H. Toepke, 74 New Montgomery St., San Francisco.
Contractor — C. E. Burks, 4129 Randolph St., Oakland.

Contract Awarded.
SCHOOL Cost, $—
RESIDENCE Cost, $—
FAIRFAX, Marin Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—P. A. Ostaddi, American Trust Bldg., San Rafael.
Architect—Arthur Dudman, 67 Bungalow Ave., San Rafael.
Contractor — Linggi & Pearson, San Rafael.

Contract Awarded
RESIDENCE Cost, $4,000
VALLEJO, Solano Co., Calif. Garden Tract.
One - story and basement frame and stucco residence (5 rooms).
Owner—Withheld.
Architect—Not Given.
Contractor—E. Teicheira, 331 Hampshire St., Vallejo.

15— SCHOOLS

TO BE DONE BY DAY'S WORK
BERKELEY, Alameda Co., Calif.—Berkeley Board of Education will install automatic sprinkler systems in the furnace rooms of the following schools by day's work under supervision of their own maintenance department. Materials will be purchased:

Emerson School	$ 60
Le Conte School	118
Oxford School	54
McKinley School	171

Plans Being Completed
ADDITION Cost, $300,000
LOS ANGELES, Cal. Campus of the University of California.
Three-story and basement steel frame, concrete and brick wing addition to chemistry building (concrete floors and stairs, brick exterior. terra cotta tile roof, ornamental terra cotta, steel windows, metal lathing and furring, dampproofing, marble, tile, hollow metal doors, slate blackboards, ventilating, high and low pressure steam heating system, piping, etc.
Owner—University of California at Los Angeles.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mechanical Engineer—Hunter & Hudson, 41 Sutter St., San Francisco.
Bids will be asked in ten days.

ADDITIONAL CONTRACTS AWARDED
WHITTIER, Los Angeles Co., Cal.—State Department of Public Works awarded the tile contract to Long Beach Marble & Tile Co., Long Beach, at $964.00, and the plastering and lathing to Bolster and Bonham, 118 North Juanita St., Los Angeles, at $966.00 for the construction of the reinforced concrete gymnasium at the Whittier State School.

CONTRACT AWARDED
PORTERVILLE, Tulare Co., Calif.—Eds Sheet Metal Works, Porterville, at $868.61 awarded contract by Porterville Elementary School District for the installation of a gas furnace at the Roche Ave. School house. Following bids received:

Eds Sheet Metal Works	$ 868.61
Fred W. Stone	870.00
Witt Plumbing Co.	973.23
Price Hardware Co.	1,035.60

All bidders of Porterville.

TO ASK BIDS
BEVERLY HILLS, Los Angeles Co., Cal.—The Beverly Hills school district will advertise for bids soon for rebuilding the kindergarten building at the Beverly Vista school in Beverly Hills. Plans were prepared by Architects Gable & Wyant, 3723 Wilshire Blvd., Los Angeles, and Structural Engineers Holmes & Narver, Inc., 1400 Stock Exchange Bldg. Work will consist of removing the brick veneering and replace with reinforced concrete. The structure is a one-story building, covering an area 98x52 feet. Plans have been approved by the State Division of Architecture.

LOW BIDDER
HUNTINGTON PARK, Los Angeles Co., Cal.—Reid & Alexander, 3124 Olive St., Walnut Park, submitted low bid at $37,740 to Los Angeles board of education for reconstructing, rehabilitating and strengthening the Pacific Blvd. school, 5714 Pacific Blvd., Huntington Park. Structural Engineer W. M. Bostock, 6723 Passaic, Huntington Park; architectural plans by the architectural division of the board, A. S. Nibecker, Jr., architect. Appropriation, $29,540.

BIDS OPENED
LOS ANGELES, Cal.—George Hess, 434 S. Westmoreland Ave., submitted low bid at $43,834 to the Los Angeles board of education for reconstructing, rehabilitating and strengthening the east building, less the auditorium, at the Graham school, 1901 E. Firestone Blvd. The bids were:

George Hess	$43,834
Easton & Nesser	44,118
Reid & Alexander	44,150
Union Engr. Co., Ltd.	44,275
Vandenhoogen & Vreenegoor	46,321
George Mittry	47,991
Bannister-Field Co. and Fred E. Potts Company	47,969
Willard Lutz Co.	48,000
Wm. P. Nell Co.	48,600
Jones Brothers	49,689
H. Mayson	51,763
Weymouth-Crowell Company	52,640
H. A. Nichols	52,990
Ralph E. Homann Co.	53,364
Campbell Const. Co.	58,710
J. F. Kobler	68,717

Plans were prepared by Structural Engineer Ralph A. DeLine, 1144 South Grand Ave., and the architectural division of the board, A. S. Nibecker, Jr., architect. Appropriation is $46,394.

Plans Being Completed
REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg.
Bids will be asked in two weeks.

Planned.
ADDITION Cost, $9000
TRACY, San Joaquin Co., Cal.
Two-hroom addition to present high school.
Owner—Tracy Union High School (W. H. Hudson, Principal).
Architect—W. H. Weeks, 525 Market St., San Francisco.

To Be Done By Day's Work.
ADDITION Cost, $—
GILROY, Santa Clara Co., Cal.
Frame structure around present boiler for high school.
Owner — Gilroy Union High School District.
Architect—W H. Weeks, 525 Market St., San Francisco.
Final plans have been approved by the State Board of Architecture, and work will be done by day's labor by local labor.

Estimates Being Taken.
SWIMMING POOL Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Campus of the College of the Pacific.
Concrete swimming pool (35x75 feet), filtration system, etc.

Owner—College of the Pacific.
Architect—H. G. Bissell, 327 E. Channel St., Stockton.
Mr. Bissell is receiving estimates on mechanical work, concrete work, etc.

BOND ELECTION

SEBASTOPOL, Sonoma Co., Calif.—An election will be held May 25 by the Analy Union High School District, at which time bonds in the amount of $240,000 will be voted to finance construction of a two-story reinforced concrete school building in Sebastopl. Louis Stone and J. R. Rowell, 98 Ramona St., Piedmont, and 354 Hobart St., Oakland,are the architects.
St., Oakland, are the architects.
April 30, 1934. *

BOND ELECTION PLANNED

PITTSBURG, Contra Costa Co., Cal.—Pittsburg School District will hold an election in the near future to finance construction of improvements to the Pittsburg Primary school, Intermediate school and Junior High school. The amount of the bonds will be approximately $100,000. Louis Stone, 54 Ramona St., Piedmont, and 354 Hobart St., Oakland, is the architect.

SCHOOL IMP Cost, $100,000
Bonds Voted.
PALO ALTO, Santa Clara Co., Cal.
Reconstruction and improvements to Palo Alto High School and Mayfield School.
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, 316 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Bonds in the amount of $110,000 were voted to finance construction.

Plans Being Completed

SCIENCE BLDG. Cost, $210,000
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete, brick, cast stone or terra cotta Science Building (80x180 ft.) built-up roof, wood sash, etc.
Owner—University of Washington.
Architect—Rigg & Van Tyne, Spokane.
Sup. Architect—S. A. Smith, Pullman.
Bids will be asked in 30 days.

BONDS FOR SALE

MANTECA, San Joaquin Co., Cal.—Calla School District will sell bonds in the amount of $6,000 on May 21. Funds are to finance construction of a one-story frame and brick veneer school building for the Calla School District in Manteca. Frank Mayo, 108 E. Miner St., Stockton, architect. Upon sale of bonds bids will be asked.
(3909) 1st report Jan. 23; 5th, May 3, 1934. *

Plans Approved

SCHOOL Cost, $5000
STOCKTON, San Joaquin Co., Cal. El Dorado School Site.
One-story brick veneer bungalow school (2 classrooms) wood shingle roof, wood floors, blackboards wallboard, etc.
Owner—El Dorado School District.
Architect—Joseph Losekann,. 1218 W. Harding St., Stockton.
Brick bids will be asked in 2 weeks Work is under way by the school department by student labor. *

Plans Awaiting Approval.

SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
One-story brick elementary school building (9 classrooms and lunch room).
Owner—Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Final plans have been completed and forwarded to Sacramento for approval. Bidh will be asked shortly.

PLANNED

PASADENA, Los Angeles Co., Calif.—Pasadena board of education has passed a resolution asking the State Emergency Relief Administration for a total of $65,324.78 for improvement of buildings and grounds in the Pasadena school district as follows:

Demolition of the Altadena School primary building, the Pasadena Junior College auditorium; the Madison School primary building; buildings at the Junipero Serra School and buildings at the Franklin School. Labor cost for this project is set at $17,636 and material and equipment cost at $6095.50.

other items follow: Seeding athletic fields at the Eliot and Marshall Junior High Schools, $925; concrete and cement work at eight schools, $14,227.02; drainage of grounds at the Burbank and Pasadena Junior College, $1416.13; grading of grounds at the Jefferson School, Washington Junior High School, Muir Tech High and the warehouse, $7560; school bungalow, Eliot Junior High School, $5680; shelter structures at 18 schools, $10,785.07; and structure reinforcement (earthquake) at the Eliot Junior High School, Wilson Junior High School and the Pasadena Junior College, $1000.06.

BONDS VOTED

PALO ALTO, Santa Clara Co., Cal.—Palo Alto School District voted bonds in the amount of $15,000 to finance construction of a new Junior High School in Palo Alto.

PREPARING PLANS

LONG BEACH, Los Angeles Co., Cal.—Architect Kirtland Cutter, Farmers and Merchants Bank Bldg., Long Beach, and Structural Engineers J. H. Davies and C. D. Wailes Jr., 1005 Ocean Center Bldg., Long Beach, are preparing plans for a new Junior College to be built at 845 Park Ave. for the Long Beach Board of Education. The group will consist of the English building, natural science and physical education building. Construction will be frame and stucco, tile and composition roofing, reinforced concrete and maple floors, steam heating, etc. Salvaged materials will be used where possible. Estimated cost, $157,000.

Painting Contract Awarded.

REPAIR SCHOOL. Cont. Price, $36,446
SAN FRANCISCO. Jackson Street bet. Hyde and Larkin Sts.
Repairs and reconstruction of Spring Valley Elementary School.
Owner—City and County of San Francisco.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—O. Monson, 475 Sixth St., San Francisco.
Painting — Union Painting Co., 3011 Steiner St., San Francisco.

BOND ELECTION PLANNED

FORESTVILLE, Sonoma Co., Cal.—Forestville Grammar School District is contemplating calling an election in the near future to vote bonds in the amount of $6,000 to assist in financing construction of a new grammar school in Forestville. Forestville school board is composed of C. E. Widdoes, John Van Keppel and Howard B. Johnson.

PLANNED

HEALDSBURG, Sonoma Co., Cal.—Healdsburg Junior High School District is considering the construction of a new junior high school to cost $75,000 or an addition to the present building to cost $55,000. A meeting is to be held May 11 at which time further plans for the proposed work will be discussed. C. E. Erickson, is president of the Board.

Plans Being Completed.

LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (3 classrooms); tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Plans will be forwarded to Sacramento for approval in three or four weeks.

COMPLETING PLANS

BEVERLY HILLS, Los Angeles Co., Calif. — Structural Engineers Holmes and Narver, 1400 Stock Exchange Bldg., and Architects Galbe & Wyant, 3723 Wilshire Blvd., are completing

SCHOOL BUILDING—WOODBRIDGE

SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (6 classrooms), tile roof, steam heating system, wood floors, etc.
Owner — Woodbridge Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder—Azevedo & Sarmento, 920 O St., Sacramento.
Following bids received:
(1) deduct for omission of wiring and apparatus;
(2) deduct for do;
(3) add for furnishing and installing insulex for ceiling;
(4) deduct for omission for metals;
(5) deduct for omission of linoleum;
(6) deduct do;
(7) deduct for omission of bond.
(A) Azevedo & Sarmento, $52,590.
(B) H. W. Robertson, $53,000.
(C) John Hachman, $53,000.
(D) George W. Kopp, $53,577.
(E) Swanson & Chance, $54,980.
(F) John J. Cavanagh, $55,030.
(G) Chas. F. Unger, $55,671.
(H) Betz & Yoho, $56,457.
(I) H. H. Henning, 56,996.
(J) Louie Peletz, $58,000.
(K) H. E. Vickroy, $58,617.
(L) Samuel Eyre, $59,311.
(M) Cary Bros., $59,622.
(N) Ecker Bros., $60,300.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(A)	350.00	$550.00	$350.00	$ 950.00	$1800.00	$670.00	$ 46.00
(B)	350.00	550.00	600.00	1070.00	1800.00	670.00	100.00
(C)	350.00	625.00	1300.00	1050.00	1850.00	677.00	212.00
(D)	350.00	550.00	720.00	1072.00	1865.00	679.00	300.00
(E)	350.00	625.00	671.00	1100.00	1875.0$	724.00	212.00
(F)	350.00	625.00	345.00	1045.00	1850.00	677.00	212.00
(G)	350.00	550.00	350.00	1000.00	2000.00	680.00	100.00
(H)	350.00	550.00	660.00	1072.00	1864.00	678.00	300.00
(I)	375.00	1010.00	700.00	1070.00	1870.00	680.00	212.00
(J)	350.00	625.00	550.00	1070.00	1850.00	675.00	212.00
(K)	473.00	1108.00	1300.00	1069.00	1850.00	677.00	111.00
(L)	473.00	1180.00	1382.00	1077.00	1840.00	662.00	212.00
(M)	473.00	1108.00	1331.00	1370.00	1875.00	944.00	125.00
(N)	350.00	625.00	750.00	1038.00	1860.00	677.00	212.00

plans for strengthening and rebuilding the primary and auditorium buildings at the Beverly Vista school, 200 S. Elm Dr., Beverly Hills, for the Beverly Hills school district. Work will consist of removing the brick veneer and rebuilding with reinforced concrete.

Preparing Working Drawings—Bonds Voted.

SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Cal.
One-story concrete elementary school building (6 classrooms) concrete exterior walls, flat roof, steam heating system, maple and linoleum floors, etc.
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans will be forwarded to Sacramento for approval in about thirty days.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Architects Marsh, Smith & Powell, 816 W. 5th St., has been commissioned by the Los Angeles Board of Education to prepare architectural and engineering plans for reconstructing, rehabilitating and repairing the library building and the constructing of a new 28-unit building at the Hollywood High School. Estimated cost of the library is $31,504 and the new building, $188,-160.

Plans Completed

SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Calif.
One - story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

BIDS WANTED

BEVERLY HILLS, Los Angeles, Calif.—Until 3 p. m., May 18, bids will be received by the Beverly Hills school district, 605 Whittier Dr., Beverly Hills, for strengthening and reconstructing the kindergarten building at the Beverly Vista School, 200 S. Elm Dr., Beverly Hills. Plans were prepared by Architects Gable & Wyant, 3723 Wilshire Blvd., Los Angeles, and Structural Engineers Holmes & Narver, Inc., 1400 Stock Exchange Bldg. Work will consist of removing the brick veneering and replacing with reinforced concrete. The structure is a one-story building, covering an area 98x52 feet. Plans will be available to contractors at the engineer's office, 1440 Stock Exchange Bldg.

CONTRACT AWARDED

SALT LAKE CITY, Utah.—George L. Whitmeyer & Sons Company, Ogden, Utah, at $96,100, awarded contract by Utah State Building Commission, Salt Lake City for the construction of an educational trades building at the State Industrial School, Ogden, Utah.

BIDS WANTED

ALGONA, Wash.—Until May 18, 1 P. M., bids will be received by A. E. Davenport, Clerk, School District No. 188, King County, for the construction of a two-story frame and masonry grade school building, 80x95 ft. at Algona, Washington. Bids are being taken for a general contract with separate bids for plumbing and heating. Estimated cost $32,000. Wm. Mallis, Lyon Bldg., Seattle, architect. Plans and specifications available from above office and from the architect upon deposit of $10.

This project is financed in part by PWA funds and contractors are subject to PWA regulations.

Low Bidders

SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (6 classrooms) tile roof, steam heating system, wood floors, etc.
Owner — Woodbridge Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidders—Azevedo & Sarmento, 920 O St., Sacramento, at $48,000.
John Hackman, Stockton, submitted second low bid and H. W. Robertson, Sacramento, was third low bidder. Three low bids held under advisement. Complete bids will be published shortly.

Plans Awaiting Approval.

ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
Additions to concrete elementary school building (add three classrooms and lunch room) and additions to concrete, brick and tile elementary school (add two classrooms and lunch room).
Owner — Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Final plans have been completed and forwarded to Sacramento for approval. Bids will be asked shortly.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Engineer Francis N. Dlouhy, 9273 Cordell Dr., West Los Angeles, has been commissioned by the Los Angeles Board of Education to prepare plans and specifications for reconstructing, rehabilitating and strengthening the Hermon School, 5507 Bushnell Way. Cost, $64,512.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Structural Engineer C. G. DeSwarte, 811 W. 7th St., Room 505, has been commissioned by the Los Angeles Board of Education to prepare engineering drawings and specifications for reconstructing, rehabilitating and strengthening the Hammel Street School, 438 N. Brannick St. Cost, $76,216.

PLANS AWAITING APPROVAL

COMPTON, Los Angeles Co., Cal.—Architects John C. Austin and Frederic M. Ashley, 603 Chamber of Commerce Bldg., Los Angeles, have completed working drawings and are awaiting approval of the State Architect for the erection of a new gymnasium building at the Compton Junior College. The building will be of frame and plaster construction, cement floors, showers, lockers, etc.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Engineer Clyde C. Daniel, 405 Douglas Bldg., has been commissioned by the Los Angeles Board of Education to prepare plans and specifications for reconstructing, rehabilitating and repairing the Twenty-fourth Street School, 2055 W. 24th St. Cost, $40,-320.

BONDS DEFEATED

DELANO, Kern Co., Cal.—Delano Union School District, defeated bond issue May 7 in the amount of $46,000. Funds were to have financed construction of an auditorium building at the Delano Grammar School. E. J. Symmes, Haberfelde Bldg., Bakersfield, Architect.

Plans Being Completed.

ADDITION Cost, $——
SOQUEL, Santa Cruz Co., Cal.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.
Plans will be forwarded to Sacramento for approval in about one week.

TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has instructed the architectural division of the board, A. S. Nibecker Jr., architect, to prepare plans and specifications for the architectural work for repairing, rehabilitating and strengthening the Van Nuys Elementary annex building. Cost $34,720.

BOND ELECTION

KERN COUNTY, Cal.—Union Ave. School District, near Bakersfield, will hold an election May 29 at which time it is proposed to vote bonds in the sum of $8500 for school improvements.

COMPLETING PLANS

COMPTON, Los Angeles Co., Calif.—Architects J. C. Austin and F. M. Ashley, 608 Chamber of Commerce Bldg., are completing working drawings for the erection of a new administration and auditorium building at the Compton Union High School District. The building will be a two-story structure, 190x225 ft. in area, containing a stage 40x95 ft. in area, reinforced concrete construction, structural steel, tile and composition roofing, waste moulds, fluted pilasters, steel sash, new steam heating plant, frame and plaster arcades, cement walks, composition roofing, etc. Cost of the building, including equipment and furnishing is estimated at $400,000. 5

PRELIMINARY PLANS APPROVED.

VENICE, Los Angeles Co., Calif.—The Los Angeles board of education has approved preliminary plans for new building replacements of the administration, junior and senior buildings at the Venice High School, Venice and Walgrove Avenues, Venice. John C. Austin and Frederic M. Ashley, architects, Chamber of Commerce Bldg.

TO PREPARE PLANS

LOS ANGELES, Calif.—Los Angeles board of education has instructed the architectural division of the board, A. S. Nibecker, Jr., architect, to prepare plans and specifications for the architectural work for reconstructing, rehabilitating and repairing the Bridge Street school, 605 N. Boyle Ave. Cost, $55,440.

BOND ELECTION PLANNED

LAGUNA BEACH, Cal.—The Laguna Beach board of education will call a bond election for a undetermined date in September, when the district will be asked to vote $75,000 for building a high school in Laguna Beach, according to an announcement made by John C. Gibson, president of the board. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

TO PREPARE PLANS

LOS ANGELES, Calif.—Los Angeles board of education has instructed the architectural division of the board, A. S. Nibecker, Jr., architect, to prepare architectural plans and specifications for reconstructing, rehabilitating and strengthening the main building at the

One Hundred Ninth Street school site, 10911 McKinley Ave. R. McC. Beanfield, Chamber of Commerce Building, structural engineer. Cost, $41,888.

PREPARING PLANS

LOS ANGELES, Calif.—Los Angeles board of education has instructed the architectural division of the board, A. S. Nibecker, Jr., architect, to prepare architectural plans and specifications for reconstructing, rehabilitating and strengthening the main brick building at the Micheltorena Street school, 1511 Micheltorena St. Murray Erick, 811 W. 7th St., structural engineer. Cost, $97,-440.

16—BANKS, STORES AND OFFICES

Bids Wanted—To Close June 5, 2 P. M.
OFFICES Cost, $——
STOCKTON, San Joaquin Co., Cal. NE Center and Rose Streets.
One-story and basement reinforced concrete highway office bldg. for State Highway Division (tile roof).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Plans and specifications availabale from Department of Public Works, Division of Architecture, Sacramento, upon deposit of $25.

Contract Awarded.
ALTERATIONS Cost, $4000
FRESNO, Fresno Co., Cal. No. 1331 Fulton Street.
Alterations to store building.
Owner—Fresno Hardware Co., Prem.
Architect—Not Given.
Contractor—T. C. Irwin, 269 N-Fulton St., Fresno.

Contract Awarded
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Calif. 1518 Franklin Street.
Alterations to building.
Owner—William Miller Estate Co., 1521 Webster St., Oakland.
Architect—Not Given.
Contractor—Wilhur Cone, 608 16th St., Oakland.

Sub-Contracts Awarded.
REMODEL MARKET Cost, $9000
EL CERRITO, Contra Costa Co., Cal. San Pablo Ave. and Cutting Blvd.
Remodel drive-in market building.
Owner—Andrew Williams.
Architect—Ed. T. Foulkes, 357 12th St. Oakland.
Contractor—Henry Brown, 1387 E-32nd St., Oakland.
Millwork — Lannom Bros. Fifth and Magnolia Sts., Oakland.
Roofing—Western Roofing Co., Inc., 24th and Poplar Sts., Oakland.
Electric—T. L. Rosenberg, 411 Webster St., Oakland.
Iron Work—Judson-Pacific Co., Foot of Park Ave., Emeryville.
Sheet Metal — G. L. Hucheroft, 684 Spruce St., Oakland.
Glass—Carter Glass Co., 333 Ninth St., Oakland.
Plastering—J. H. Witt, 882 56th St., Oakland.

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co., Cal.—Pozzo Const. Co., 421 Macy St., Los Angeles, awarded contract for the construction of a restaurant building on Beverly Drive, 300 ft. off Wilshire Blvd., Beverly Hills, for the Lloyd Corp.; Victor Hugo, lessee. Work will probably be started next week. The building will be a one-story and part basement Class C structure, 100x152 ft. in area, and will have reinforced concrete walls. It will cost approximately $100,000. Claud Beelman, 1019 Union Bank Bldg., Los Angeles, architect.

Work Started.
ALTER STORE Cost, $4090
FRESNO, Fresno Co., Cal. No. 1331 Fulton Street.
Alterations to store building (partitions work, etc.)
Owner—Fresno Hardware Co., Fresno
Architect — Ernest J. Kump, Rowell Bldg., Fresno.

To Ask Bids In One Week
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One-story reinforced concrete bank building (composition roofing, steam heat, etc.)
Owner — Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Plans Completed
REMODEL BLDG. Cost, $——
SAN FRANCISCO. NE Geary Street and Stockton.
Remodel store building.
Owner—United Drug Co., 1 Harrison.
Plans by Engineering Dept. of Owner in the East.
Agent—Gore and Crossman, Inc., 310 Kearny Street.
Upon approval of plans by the Boston office of the owner bids will be asked.

Bids Opened.
ALTER BUILDING Cost, $——
SAN FRANCISCO. No. 130 Sutter St.
Alterations to Hallidie Building.
Owner—Regents of the University of California.
Plans by Engineering Dept. of Owner.
Low Bidder—D. L. Bienfield, 666 Mission St., San Francisco.
Following bids received:

D. L. Bienfield	$3149
Clinton Stephenson Constr. Co.	3657
Barrett & Hilp	3979
A. H. Vogt	4234
Monson Bros.	4265

Bids held under advisement.

Contract Awarded.
ALTER STORE Cost, $3000
FRESNO, Fresno Co., Cal. No. 1147 Fulton Street.
Remodel floral shop (new show windows, fixtures, etc.)
Owner—Rossi Floral Co., Premises.
Architect—Not Given.
Contractor—J. T. Cowar, 437 Roosevelt Ave., Fresno.

BIDS OPENED
SACRAMENTO, Cal.—Braas & Kuhn 1917 Bryant St., San Francisco, at $1,-648 submitted low bid to Department of Public Works, Sacramento, for sectional partitions for the State Office Bldg., Sacramento. Following bids received:

Braas & Kuhn, S. F.	$1,648.00
Fink & Schindler, S. F.	1,862.00
Pacific Mfg. Co., S. F.	1,906.50
Capitol City Planing Mill, Sacramento	2,178.00
Weber Showcase and Fixture Co., San Francisco	2,258.50
Diamond Patent Showcase Co., San Francisco	2,899.65

Bids held under advisement.

Plans Being Prepared.
LOFT BLDG. Cost, $100,000
SAN FRANCISCO. Market Street.
Three-story reinforced concrete loft building.
Owner—Withheld.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Bids will be asked about June 1.

Planned
ALTER STORE Cost, $——
HEALDSBURG, Sonoma Co., Cal. 306 Center Street.
Alterations to interior of store building for market (painting, plastering, shelving, etc.)
Owner—Jas. Athey, Wm. Stine, Harry Bickelhaupt, et al, Healdsburg.
Architect—Not Given.

Sub-Contracts Awarded
STORE IMPROVEMENT Cost, $20,000
SAN FRANCISCO. 807 Market Street.
Alterations and additions to store (add new mezzanine floors, beauty shop, soda fountain, barrel wine department, new offices, new front, etc.)
Owner—Morris Benatar, Premises.
Private Plans.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.
Wiring—Twin Peaks Electric Co., 606 Natoma Street.
Terrazzo Floors—Henry Gervais, 1727 Mission Street.
Marble Glass—MacGruer & Co., 266 Tehama St.

Contract Awarded
BUILDING Cost, $2000
SAN FRANCISCO. S. Pacific 175 W. Larkin Street.
One-story frame towel supply building.
Owner—G. Barbe, 1533 Pacific Street.
Architect—Harvey E. Harris, 815 Balboa Street.
Contractor—G. B. Bourdieu, 2625 20th Street.

Contract Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. 70 Fourth Street.
Alterations to restaurant.
Owner—Henry's Fourth Street Cafeteria, 70 Fourth Street.
Architect—Not Given.
Contractor—V. L. Burt, 279 6th Ave.

Contract Awarded
MARKET Cost, $25,000
BAKERSFIELD, Kern Co., Calif. 18th and I Streets.
One-story reinforced concrete market building (84x155 ft.) 50-ft. tower, modernistic style.
Owner—Sill Estate.
Lessee—Great Atlantic & Pacific Tea Company.
Architect—Not Given.
Contractor—Wm. G. Gannon, Bakersfield.

Sub-Contracts Awarded
STORE Cost, $8000
MONTEREY, Monterey County, Calif. Lighthouse Ave. and McClelland.
Two-story reinforced concrete and tile store building (residence on second story).
Owner—Manuel Perez.
Architect—Not Given.
Contractor—William Sweeney, 424 Gibson Ave., Pacific Grove.
Plastering—C. J. Lee, Rt. 1, Box 588, Monterey.
Lumber and Mill Work—Work Lumber Co., Lighthouse Ave., Monterey.
Plumbing & Sheet Metal—Phillips Plbg. & Htg. Co., Monterey.
Wiring—Chas. A. Langlais Co., 218 Forest Ave., Pacific Grove.
Roofing and Tile Work—Tynan Roofing and Tile Co., Monterey.
Reinf. Steel — Soule Steel Co., 1750 Army St., San Francisco.
Structural Iron—Golden Gate Iron Works, 1541 Howard St. San Francisco.

CONTRACT AWARDED
SAN FRANCISCO — Pacific Telephone & Telegraph Co., awarded contract to Acoustical Engineering Co. at $99.90 for one-inch quietile No. 80 for west wall surface in Room 819 at 140 New Montgomery St.

Contract Awarded
REMODEL STORE Cost, $25,000
FRESNO, Fresno Co., Cal. Fulton and Mariposa Streets.
Remodel store building.
Owner—Mrs. Anne L. Wallace.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Tile Contract Awarded
STORE Cost, $15,000
VALLEJO, Solano Co., Calif. Sonoma Street near Georgia Street.
Two-story brick, terra cotta and cement store with steel columns and beams (five stores) tar and gravel and part hand-made tile roof.
Owner—Thomas B. Jones, Vallejo.
Architect—F. H. Slocombe, 3830 Harrison St., Berkeley.
Tile—Gladding, McBean and Co., 22nd and Market Sts., Oakland.
Other awards reported April 30.

Contract Awarded
STORE Cost, $——
BERKELEY, Alameda Co., Calif. Solano Ave. between Fresno and Colusa Avenues.
One-story steel frame store building (35x80 ft.) gunite walls, composition roof, wood floors over concrete, fireplace, etc.
Owner—Withheld.
Arrhitert—Walter Steilberg, 1 Orchard Lane, Berkeley.
Contractor—H. K. Henderson, 20 Avis Road, Berkeley.

Sub-Bids Wanted.
OFFICES Cost, $35,000
FRESNO, Fresno Co., Cal. Hamilton and East Avenues.
Two-story brick and stucco office building.
Owner—Sun Maid Raisin Growers Association, Hamilton Ave., Fresno.
Architect — H. Rafael Lake, Pacific Southwest Bldg., Fresno.
Contractor—Trewhitt-Shields Co., Pacific Southwest Bldg., Fresno.
Excavation—Thompson Bros., Fresno.
Steel—Kyle & Co., Fresno.
Concrete Materials—Thompson Bros., Fresno.
Lumber—Valley Lumber Co., Fresno.
Sub-bids are wanted on brick work, mill work, metal sash, wiring, plumbing, plastering, painting and linoleum.

SPRINKLER CONTRACT AWARDED
SAN BERNARDINO, Cal.—Bakker & Robinson, 732 D St., San Bernardino, general contractors for the Class A store building under construction at Court and E Sts., San Bernardino, for Montgomery Ward & Co., announce that an automatic sprinkler system will be installed in the structure. Installation of the fire protection equipment, which will provide 400 heads, was not contemplated in the original contract.

17— THEATRES

Preparing Working Drawings.
THEATRE Cost, $70,000
EASTBAY DISTRICT, Cal.
One- story & balcony structural steel and reinforced concrete theatre (to seat $1000).
Owner—Withheld.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Bids will be asked in about three weeks, at which time further details will be announced.

Plans Completed.
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Cal.
One-story and balcony theatre building (1100 seating capacity); tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Contractor—Salih Bros., 25 Taylor St., San Francisco.
Construction will start shortly.

Bids In—Held Under Advisement.
ALTER THEATRE Cost, $——
VALLEJO, Solano Co., Cal.
Alterations and additions to theatre building (painting, decorating, plastering, etc.)
Owner—Fox West Coast Theatre.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Bids have been forwarded to Los Angeles for approval.

18— WHARVES & DOCKS

BIDS WANTED
SAN JOAQUIN COUNTY, Cal.—Until May 21, 11 A. M., bids will be received by the San Joaquin County Board of Supervisors, Eugene D. Graham, Clerk, for removing the old landings and constructing new landings at the site of the Venice Island ferry across Little Connection Slough between Empire Island and Venice Island in San Joaquin County. The work involves:
(1) 1270 lin. ft. creosoted piles;
(2) 12 MFBM redwood timber;
(3) 6 MFBM Douglas fir timber.
Estimated cost, $2,000. Specifications prepared by Julius B. Manthey, County Surveyor. Plans, specifications and proposals obtainabel from the County Surveyor in his office in the Courthouse, Stockton.

19—MISC. CONSTRUCTION

Marble Contract Awarded.
ALTERATIONS Cost, $——
LAWNDALE, San Mateo Co., Cal. Cypress Lawn Cemetery.
Alterations and additions to columbarium.
Owner—Cypress Lawn Cemetery Association.
Architect—B. J. S. Cahill, 711 Grand Ave., Alameda.
Contractor—George Wagner, 181 South Park, San Francisco.
Marble -- Vermont Marble Co., 525 Market St., San Francisco.

Plans Being Prepared.
MAUSOLEUM & COLUMBARIUM Total Cost, $1,000,000
LAWNDALE, San Mateo Co., Cal.
Reinforced concrete mausoleum and columbarium (5000 crypts), granite facing, bronze and marble, etc.
Owner—Woodlawn Memorial Park Association (Wm. P. Filmer, president), Phelan Bldg., San Francisco.
Architect—B. J. S. Cahill, 711 Grand Ave., Alameda.

Contracts Awarded
MAUSOLEUM Cost, $——
CYPRESS LAWN CEMETERY, San Mateo Co., Cal.
Reinforced concrete mausoleum (marble and bronze interior), 5 crypts.
Owner—Withheld.
Architect—B. J. S. Cahill, 711 Grand Ave., Alameda.
Concrete -- David Nordstrom, 4150 Emerald St., Oakland.
Marble — Vermont Marble Co., 525 Market St., San Francisco.
Bronze—Louis De Rome, 1076 59th St. Oakland.

Planned
SWIMMING POOL Cost, $——
MONTEREY, Monterey Co., Cal. Monterey Presidio.
Construct new swimming pool (50x110 ft.) heating and chlorination plant.
Owner—United States Government.
Plans by Engineering Dept., Presidio, Monterey.
An appropriation has been requested of the War Department.

BIDS OPENED
HAMILTON FIELD, Marin Co., Cal.—Following bids received by the Constructing Quartermaster, Hamilton Field, for the construction of two auxiliary water storage tanks, 61x120 feet at Hamilton Field.
(1) Work complete.
(2) Deduct if Tank No. 2 is omitted.
(3) Deduct if surface lighting pipe standards are omitted (including standards, reflectors and wiring).
(4) Deduct if drving boards and pipe standards are omitted.

Thoms J. Doyle, 1527 17th Ave., San Francisco	(1)	$18,217
	(2)	8,000
	(3)	270
	(4)	220
K. E. Parker, 135 South Park, San Francisco	(1)	18,350
	(2)	8,100
	(3)	350
	(4)	1,400
Frank J. Reilly, S. F.	(1)	18,421
	(2)	9,000
	(3)	250
	(4)	300
Clinton Stephenson Constr. Co. San Francisco	(1)	18,927
	(2)	8,613
	(3)	550
	(4)	500
F. J. Main, Fairfax	(1)	19,149
	(2)	9,216
	(3)	500
	(4)	400
San Francisco Constr. Co., San Francisco	(1)	19,748
	(2)	9,650
	(3)	275
	(4)	588
A. Soda & Son, Oakland	(1)	20,759
	(2)	10,250
	(3)	355
	(4)	600
Bennett & Taylor, L. A.	(1)	20,842
	(2)	7,782
	(3)	320
	(4)	800
Leibert & Trobock, S. F.	(1)	20,950
	(2)	10,455
	(3)	160
	(4)	614
Leo Epp, San Francisco	(1)	21,343
	(2)	9,240
	(3)	270
	(4)	603
DeLucca & Son, Inc, S. F.	(1)	21,985
	(2)	10,200
	(3)	280
	(4)	860
Fred J. Early, S. F.	(1)	22,784
	(2)	11,000
	(3)	600
	(4)	400

Bids held under advisement.

BONDS VOTED
PACIFIC GROVE, Monterey Co., Cal.—City of Pacific Grove voted bonds in the amount of $60,000 to finance construction of a municipal bathhouse in Pacific Grove.

Contract Awarded.
SEAWALL Cost, $7000
ALAMEDA, Alameda Co., Cal. South End Grand Avenue.
Reinforced concrete seawall (350 lin. ft.) to enclose property.
Owner—Withheld.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
The architects are now receiving bids for 1000 yards of top soil fill.

BIDS WANTED
SAN FRANCISCO—Until May 15, 11 A. M., bids will be received by the Signal Office, Headquarters Ninth Corps Area, Presidio of San Fran-

cisco, for laying submarine telephone cable between Angel Island and Fort Baker.

Specifications obtainable from above office.

BIDS WANTED

FLORENCE, Oregon.—Until May 18, 9 a. m., bids will be received by Oregon State Highway Commission, Salem, Oregon, for removing certain buildings from the right of way of the Oregon Coast Highway near Florence and Glenada in Lane County.

The work consists of moving six residences and their accompanying outbuildings now located within or partly within the right of way of the Oregon Coast Highway, the re-establishing or resetting of such buildings at certain locations outside of said right of way and the performing of certain other work incidental thereto.

Proposal blanks may be obtained from Room 322, State Office Building, Salem, Oregon.

Contract Awarded

MAUSOLEUM Cont. Price, $102,500
LAWNDALE, San Mateo Co., Cal. Hills of Eternity Cemetery.
Reinforced concrete and steel mausoleum (marble and bronze interior) to contain crypts, niches and family rooms, chapel, etc.
Owner—Congregation Sherith Israel.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—C. E. Bryan, 2300 North Marengo Ave., Pasadena.

Preparing Working Drawings

STABLE ADDITION Cost, $2,000
WOODSIDE, San Mateo Co., Calif., Old La Honda Road.
Wood frame addition to stable (shake roof, wood floors, etc.).
Owner—Gerald C. Halsey, Old La Honda Road, Woodside.
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.
Bids will be asked shortly.

Structural Steel Bids Being Taken.

RACE TRACK Cost, $140,000
SAN MATEO COUNTY, Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000), parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Architect—Maury I Diggs, 364 14th St., Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.

Previous steel bids rejected. New bids are now being received by the Architect.

As previously reported the general contract for the construction of the grondstand awarded to Cahill Bros., 206 Sansome St., San Francisco, at approximately $140,000.

Being Done By Day's Work

STABLE Cost, $——
WOODSIDE, San Mateo Co., Calif.
One-story frame stable (160x30 feet).
Owner—James F. Waters, Woodside.
Architect—Dodge Riedy, 821 Market St San Francisco.

Contract Awarded

REMODEL THEATRE Cost, $——
SANTA ROSA, Sonoma Co., Calif. B Street.
Remodel theatre building.
Owner—Kline Theatre, B St., Santa Rosa.
Architect—Fred H. Meyer, 525 Market St., San Francisco.
Contractor—Salih Bros., 25 Taylor St., San Francisco.

PLANS COMPLETED

MODESTO, Stanislaus Co., Cal.—Architect S. Charles Lee, 2404 W 7th St., Los Angeles, has completed plans for a theatre and store building to be built in Modesto for a San Francisco Company. It will be a stadium type structure, seating 900 people, and will contain two stores. Construction will be reinforced concrete, wood roof trusses, composition roofing, pine and concrete floors, plate glass, tile toilets, ventilating system, marquise, tile and marble bulkheads, etc. Bids will be taken from Modesto. Cost, $50,000.

BIDS OPENED

PORTLAND, Ore.—L. Olsen, Portland, at $5,490 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-639 for fabricating furnaces for four boilers on the U. S. dredge "Wahkiakum."

James Johnstone Co., Inc., Portland, at $6,161.70 submitted the only other bid.

Engineer's estimate, $6,600. Bids are held under advisement.

Planned.

STORAGE TANK Cost, $7500
OAKLAND, Alameda Co., Cal. To be selected.
Construct gasoline storage tank (500,000 gallon capacity).
Owner — City of Oakland (John F. Hassler, City Manager), City Hall
Plans by Engineering Dept. of Owner.

Contract Awarded.

RETAINING WALL Cost, $1500
SAN FRANCISCO. W Rhode Island St. 140 N 24th St.
Construct retaining wall.
Owner—National Lead Co. of Calif., 2240 24th St., San Francisco.
Architect—Not Given.
Contractor—Adam Arras, 666 Mission St., San Francisco.

To Be Done By Day's Work

STABLE Cost, $2000
ALBANY, Alameda Co., Calif.
One-story frame stable.
Owner—Athens Polo Club, University of California.
Plans by Owner.

COMPLETING PLANS

LOS ANGELES, Cal.—Architect M. P. Wilkinson, Hollywood Security Bldg., is completing working drawings for a new motion picture studio to be built on the old Metropolitan lot at Romaine and Las Palmas Avenue for General Service Studios. Construction will be under the supervision of Mr. Wilkinson. The studio will consist of five stages of concrete and wood frame construction, four bungalows and an administration building to cost approximately $450,000. Sound equipment to cost $125,000 will be installed in the buildings.

Being Done By Day's Work

STABLE Cost, $——
WOODSIDE, San Mateo Co., Calif.
One-story frame stable (160x30 feet).
Owner—James F. Waters, Woodside.
Architect—Dodge Riedy, 821 Market St. San Francisco.
Mgr. of Const.—Peter J. Koehorst, 707 Bryant St., Palo Alto.
(4276) 1st report April 16; 4th, May 4, 1934.

Owner Taking Bids

ALTERATIONS Cost, $2000
SAN FRANCISCO. 1000 Point Lobos.
Alterations to swimming pool at Sutro Baths.
Owner—A. G. Sutro, Sutro Baths.
Architect—H. G. Stoner, 200 Casitas.

COMPLETE BIDS

FORT PECK, Montana.—P. O'Brien Montgomery, 3125 Knox St., Dallas, Texas, at $78,600.56 submitted low bid to the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., April 14 for the construction of an electrical distribution system at Fort Peck.

Complete bids follow:

P. O. Montgomery, Dallas	$ 78,600.56
Commonwealth Electric, St. Paul	91,283.37
A. A. Electric Co., Cicero, Illinois	91,785.87
R. H. Bouligny, Inc., Charlotte, N. C.	91,798.25
G. L. Tarlton, St. Louis	92,260.33
L. A. Kepp Contr. Co., Rochester, Minn.	94,162.75
A. S. Schulman Electric Co., Chicago	100,129.21
Monroe Elec. Co., Chicago	110,781.45
Hoosier Engr. Co., Chicago	111,024.30
J. J. Connor Contr. Co. Kansas City, Mo.	111,980.60
E. A. Koeneman Elec. Co., St. Louis	112,858.88
Osborn Co., Pasadena, Cal.	112,946.92
Addison Miller St. Paul	112,970.29
C. F. Lytle, Sioux City, Ia.	113,685.71
J. C. Broad & J. C. Roberts, Spokane, Wash.	114,545.92
Fritz Ziebarth and H. H. Walker, Los Angeles	118,220.47
Alta Elec. & Mechanical Co., Inc., San Francisco	127,485.55
Bennett & Taylor, L. A.	139,306.85

A complete list of the bids, including unit prices, etc., is on file at the office of Daily Pacific Builder.

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until May 16, 4 P. M., bids will be received by the City of Stockton Port Commission, City Hall, Stockton, for the construction of a truck scale with a 40-ton capacity, 10x60 ft.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif. — Following have procured plans for the purpose of submitting bids to the Veterans' Administration, Washington, D. C., on May 29th, for the construction of an incinerator at the Veterans Administration Facility, Los Angeles.

T. G. Egan Refactory Engineering Co., 70 Kane St., Brooklyn.

Safety Incinerator Co., 3329 Sunset Blvd., Los Angeles.

J. B. McIntosh, 1842 Gardena Ave., Glendale, Calif.

Pacific Clay Products, 650 Chamber of Commerce Bldg., Los Angeles.

Arthur Pinner, Jr., 116 W. 94th St., Los Angeles.

Kellogg Mann Corp., 33 Franklin St., Buffalo.

Contracting Engineers, Inc., 2310 W. Vernon Ave., Los Angeles.

Economy Incinerator Co., 1821 N. Farwell Ave., Milwaukee.

Philadelphia Drying Machine Co., 3351 Stokely St., Philadelphia, Pa.

Marble Contract Awarded

ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Calif. Holy Cross Cemetery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 by 80 feet, 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1110 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Marble—Vermont Marble Co., 525 Market St., $27,637 .

As previously reporetd, roofing awarded J. W. Bender Roofing Co., 18th and Bryant Sts., S. F.; readymix concrete to South City Lumer Co., South San Francisco; reinforcing steel to W. C. Hauck & Co., 17th and Wisconsin Sts., S. F.; plumbing to Scott Co., 243 Minna St., S. F.

BIDS OPENED

PORTLAND, Ore.—F. J. Gregoire, 6745 N. E. Sacramento St., Portland, at $3,081.10 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, May 4, under Bid No. 34-642, for constructing about 418 sq. yds. of reinforced concrete storage platform; 808 sq. yds. concrete pavement, and 125 cu. yds. grading at the Government Moorings No. 8010 N.W. St. Helens Road, Portland. Complete bids follow:

F. J. Gregoire, Portland.....$3081.10
Shattuck & Neland, Portland.... 3149.53
Harold Blake, Portland..... 3603.40
Jacobsen-Jensen Co., Portland 3883.80
Engineer's estimate 2901.80

All bids held under advisement.

Contract Awarded.

GREASE RACK Cost, $2000
OAKLAND, Alameda Co., Cal. No. 4494 Hopkins Street.
One-story concrete grease rack.
Owner—V. T. Brown and O. W Williams, 3165 Sheffield Ave., Oakland
Architect—Not Given.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland.

BIDS WANTED

FORT PECK, Mont.—Until May 31, 12 M. bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of an electrical distribution system for No. 7 circuit and dredge feeders, at the Fort Peck Dam.

Plans and specifications obtainable from the above office upon deposit of $100.00.

Theodore Wyman, Jr., Capt., Corps of Engineers, Assistant to the Division Engineer.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal. — Following have procured plans for the purpose of submitting bids to the Veterans Administration Facility, Washington, D. C., on May 29, for the construction of a steel water tank at the Veterans Administration Facility, Los Angeles:

Hassell Iron Works Co., Colorado Springs, Colo.
Colorado Iron Works Co., Denver.
Montana Iron Works, Butte, Mont.
Ogden Iron Works Co., Ogden, Utah
Western Pipe & Steel Co., 444 Market St., San Francisco.
R. D. Cole Mfg. Co., Newman, Ga.
J. F. Barbour & Son, Roanoke, Va.
Grover Tank & Mfg. Co., East Chicago, Ind.
Dover Tank & Plate Co., Denver.
Pittsburgh-Des Moines Steel Co., Neville Island, P. O., Pittsburgh.
Chicago Bridge & Iron Works, 1700 Walnut St., Philadelphia, Pa.
W. E. Caldwell Co., Inc., Louisville, Kentucky.
McClintic-Marshall Corp., Bethlehem, Pa.
Tippett & Wood, Pillipsburg, N. J.
Minneapolis Steel & Machine Division, 933 Chapman Bldg., Los Angeles.
Pacific Iron & Steel Co., 241 West Ave., Los Angeles.

Contract Awarded.

DINING ROOM Cont. Price, $2650
ECHO LAKE, Eldorado Co., Cal.
One-story dining room and kitchen (pine construction).
Owner—City of Berkeley.
Plans by Building Dept., City of Berkeley.
Contractor—B. McElderry, 1411 13th St., Oakland.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

SOLANO COUNTY, Cal.—Sheldon Fuel Oils, Main St., Suisun, at $5947.90 submitted low bid to the Department of Public Works, Division of Highways, R. E. Pierce, District Engineer, 47 N. Grant St., Stockton, for treating with fuel oil about 30.1 miles in Solano County, between Vacaville and the northerly boundary, and between Junction of State Highway Rt. 101 and Route 53 and 1¾ mile south of Dixon, (X-Sol-90-101-A-A & B). Total bids follow:

(A) Sheldon Fuel Oils, Suisun, $5947.90
(B) Basalt Rock Co., Napa, $6729.
(C) Lee J. Immel, Berkeley, $6874.80.
(D) E. F. Hilliard, Sacto., $7246.90.
(E) A. Teichert & Son, Sacto, $7793.70
(F) E. A. Forde, San Anselmo, $7902.
(G) Peninsula Paving Co., San Francisco, $8458.50.

Unit bids follow:

(1) 3100 bbls. heavy fuel oil (60-70), (A) $1,4355; (B) $1.65; (C) $1.68; (D) $1.79; (E) $1.92; (F) $1.95; (G) $2.10.
(2) 750 bbls. asph. road oil (SC 4), (A) $1,978; (B) $2.13; (C) $2.20; (D) $2.24; (E) $2.43; (F) $2.45; (G) $2.57.

All bids held under advisement.

CONTRACT AWARDED

McNEIL ISLAND, Washington.—J. A. Campbell, 1242 6th St. South, Seattle, at $3,775 awarded contract by Department of Justice, Washington, D. C., for furnishing and installing a heavy duty electric over with a capacity of 400 one-lb. loaves at the U. S. Penitentiary, McNell Island. Complete bids published April 18.

BIDS OPENED

LOS ANGELES, Calif.—Pan-Pacific Piling & Const. Co., 2145 E. 25th St., Los Angeles, at $4901 submitted low bid to the Los Angeles Harbor Dept., May 2 for furnishing and delivering approximately 11,600 lin. ft. of creosoted Douglas fir piles with 12-lb. treatment. Other bids were: Consolidated Lumber Co., $5916; Chas. R. McCormick Lumber Co., $6119; J. H. Baxter & Co., $6206. No bids were submitted for the Southern pine alternate.

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until May 28, 11 A. M., bids will be received by the San Joaquin County Board of Supervisors for the construction of a four-drum Sterling or equal water tube boiler to contain not less than 2900 square feet nor more than 3100 sq. ft. of heating surface with necessary combustion space to develop 290-310-hp. Plans and specifications available from W. Y. Trethaway, Purchasing Agent, upon deposit of $10.

BIDS OPENED

SAN FRANCISCO — Tieslau Bros., 1315 Allston Way, Berkeley, at $150 submitted low bid to the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for transporting one "50" Caterpillar tractor and bulldozer, approximate weight 13 tons, from Government Island Oakland, to the Road Maintenance Camp near Douglas City, Calif., approximately 295 miles. Bids were taken for transportation from (1) Government Island; (2) Redding. The bids were.

Tieslau Bros., Berkeley, (1) $150; (2) no bid.
W. H. Hauser, Oakland, (1) $160; (2) no bid.
Granfield-Farrar & Carlin, San Francisco, (1) $200; (2) no bid.
Bigge Drayage Co., Oakland, (1) $212; (2) $174.
Thomas Rigging Co., Oakland, (1) $217.50; (2) $180.
W. H. Parrish, Oakland, (1) $225; (2) $190.
Thompson Bros., San Francisco, (1) $244.20; (2) no bid.

All bids helud under advisement.

CONTRACT AWARDED

SAN FRANCISCO—General Electric Supply Corp., 1201 Bryant St., San Francisco, at $19.43 per 100 lbs. awarded contract by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing 5 miles of alloy trolley wire for the Municipal Railway under Bid No. 1176.

BIDS OPENED

CHEHALIS, Wash.—Following bids received by Treasury Supply Division, Washington, D. C., for (1) wood slat shades for the Chehalis Post Office and (2) wood slat shades for the Reno, Nevada, Post Office:

Aeroshade Co., Waukesha, Wis., (1) $249; (2) $933; 1%. Higgin Mfg. Co., Newport, Ky., (1) $324.27; (2) $1197.60; 2%. Hough Shade Corp., Washington, (1) $252; (2) $740.70; 1%. Raymond Porch Shade Co., Janesville, Wis., (1) $266.80; (2) $846.90; 1%. Shredwood Curtain Co., N. Y. City, (1) $184.80; (2) $832.48; 1%. Warren Shade Co., Minneapolis, Minn. (1) $279.80; (2) $921.80; 1%. Ry-Lock Co., San Leandro, Calif. (2) $1091.40; 2%.

BIDS OPENED

SACRAMENTO, Cal.—Following bids received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6337/2194, for furnishing:

(1) 1 high pressure cylinder main engine piston ring casting;
(2) 3 castings for cone buoys;
(3) 4 slide valve casings for fuel pumps.

Neptune Machine Works, 221 Tehama St., San Francisco, (1) $26; (2) $6.15, total $18.45; (3) $4.90, total, $19.-60; discount, 2% 10 days.

Golden State Miners Iron Works, 249 First St., San Francisco, (1) $20.85; (2) $5.39, total, $16.17; (3) $1.15, total, $4.60; no discount.

BIDS OPENED

BERKELEY, Cal.—Identical bids at $13.12 per ton were submitted by the following to the Berkeley City Council for furnishing emulsified road oil for the fiscal year for the City of Berkeley:

Union Oil Co., 220 Bush St., San Francisco.

American Bitumuls Co., 860 45th St., Oakland.

Shell Oil Co., Shell Bldg., San Francisco.

The American Bitumuls Co. and Shell Oil Co. at $14.32 per ton submitted identical bids for quick setting ment.
emulsified oil. Bids held under advise-

CONTRACTS AWARDED

LYON COUNTY, Nev.—Paul Tholl, Sparks, Nev., at $281.86 submitted low bid and awarded contract by the State of Nevada Department of Highways, S. C. Durkee, State Highway Engineer Carson City. May 4, for furnishing fencing materials.

The other bids were:

I. H. Kent Co., Fallon.....$309.34
Cooperative Store, Wellington.... 373.98

The Cooperative Store, Wellington, at $238.96 submitted low bid and was awarded contract for furnishing small tools and miscellaneous supplies. The Reno Mercantile Co., Reno, at $277.95 submitted the only other bid.

The above supplies are for use in the construction of a portion of the State Highway System in Lyon County between the west county line and Hoye.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. INDIAN SERVICE

MISSION INDIAN AGENCY—Whiteriver, Ariz.—Bids will be received by the Superintendent of Construction, U. S. Indian Service, Mission Indian Agency, Whiteriver, Arizona, until May 14, for furnishing 800 feet 36-in. 12-gauge corrugated pipe. Specifications obtainable from above office and a copy is on file at 23 Appraisers Building in San Francisco and at Irrigation office, 751 S. Figueroa St., in Los Angeles.

FORT APACHE, Arizona—Bids will be received by the Superintendent of Construction, U. S. Indian Service, Fort Apache, Arizona, for furnishing the following:
150 squares shingles, felt coated asphalt, slate surface, May 15.
Specifications obtainable from above office and a copy on file at 23 Appraisers Bldg., San Francisco, and at Indian Irrigation Office, 751 S. Figueroa St., Los Angelees.

ALBUQUERQUE, N. M.—Bids will be received by the Superintendent of Construction, U. S. Indian Service, Box 468, Albuquerque, New Mexico, for furnishing the following:
May 15: 6720 sq. yds. insulating building boads; Millwork, California Western or Idaho White Pine, Ponderosa Pine or Grade A Redwood.
May 16: Lot of various items builders' hardware (locks, door closers, hinges, etc.); approximately 30 steel windows.
May 17: Electrical materials (conduit, switches, rubber cover wire, electrical fixtures).
May 18: Electrical materials (switchboxes, small quantity wire, lighting panel, fixtures, receptacles, armored cable).
May 21: 55,000 sq. ft. insulation building boards and 720 sq. yds. welded wire fabric; 27,500 sq. ft. insulation board, 1-in., roof.
Specifications obtainable from above office and a copy on file at 23 Appraisers Building, San Francisco, and at Irrigation Office, 751 S. Figueroa St., Los Angeles.

PHOENIX, Arizona—Until May 22, 2 P. M., bids will be received by the Department of the Interior, Indian Bureau, Phoenix Indian School, 4100 Rhoads Circle, Phoenix, for furnishing one 3-ton truck chassis and cab complete, without bed.
Specifications obtainable from above office.

KLAMATH AGENCY, Ore. — Until May 28 bids will be received by the Klamath Indian Agency, Oregon, for furnishing three steel lookout towers.
Specifications obtainable from above office. •

VENTURA COUNTY

VENTURA, Cal.—Until May 14, 8 P. M., bids will be received by the Ventura Union High School District for furnishing 1 school coach of not less than 70-passenger capacity. Bidding data is obtainable from the Superintendent of Schools in Ventura. Chas. A. Cole, Clerk.

SAN FRANCISCO CITY

SAN FRANCISCO, Cal.—Until May 14, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for fifteen dishwashing machines and eight tables for the San Francisco Hospital. Specifications and proposal blanks available from above office. •

SAN FRANCISCO.—Until May 18, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing the following:
Class 5: fuel oil and gasoline;
Class 6: boiler compounds;
Class 8: lubricants;
Class 10: household, janitorial supplies and cordage;
Class 14: blueprints, photographic, drafting and engineer's supplies;
Class 17: street and sewer materials;
Class 18: incandescent lamps.
Specifications and proposal blanks available from above office.

WAR DEPARTMENT

SAN FRANCISCO—Until May 15, 10 A. M., bids will be received by the Quartermaster Supply Officer, General Depot, Fort Mason, San Francisco, for one reed davenport, 75 inches long overall, 33 inches high overall and 25 inches deep, to be Grade 8 of Heywood Wakefield Company, or equal, and 24 velvet rugs, size 27-in.x54-in.

SACRAMENTO, Cal.—Until May 14, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, Dist. Engineer, 208 Post Office Bldg., Sacramento, under Order No. 6368/2193, for furnishing miscellaneous supplies including 100 porcelain insulators; 6,000 ft. rubber insulated signal wire; 2 bundles (½ mile per bundle) steel galv. telephone wire; 500 ft. Type S. J. Tirex portable cord, and 36 flashlight batteries.
Specifications obtainable from above office. Delivery fob Rio Vista. •

NAVY DEPARTMENT

BREMERTON, Wash. — Until May 21, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., under Req. 457 NSA, for furnishing the following:
(1) 27,000 lbs. Grade M medium steel.
(2) 250 lbs. Class A spring steel.
Specifications obtainable from above office.

MARE ISLAND, Cal.—Until May 22, bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment for Mare Island, as follows:
Sched. 2429: 2 electrically operated vegetable peeling machines and spares;
Sched. 2430: 36,000 lbs. dry red lead;
Sched. 2442: 2 radio transmitting tubes.
Specifications obtainable from above office.

CALIFORNIA STATE

SONOMA & MENDOCINO COUNTIES, Cal.—Until May 14, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Ave., Eureka for the rental of one 2500-gal tank truck, with 2500 gal. tank traller attached, not to exceed a total of 120 hours. This rental to include the use of one heating plant, one retort and one pump capable of heating and handling 90-95% road oil cut back with about 18% kerosene.
The outfit is to be used in heating and hauling about 235 tons of 90-95% road oil cut back with kerosene from Cloverdale to the Boonville Maintenance Yard, a distance of abount 56 mi. as required by H. T. Bigelow, Maintenance Superintendent at Boonville.
Specifications obtainable from above office.
Agreements for rental of trucks are subject to the provisions of the Trucking Code.

MENDOCINO COUNTY—Until May 14, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 W. Wabash Ave., Eureka, for the rental of one 950-gal. water sprinkler truck, not to exceed 120 hours' work. The tank must be mounted on a truck with a rating of not less than three tons.
The truck is to be used in sprinkling roads in the vicinity of Boonville, as directed by H. T. Bigelow, Maintenance Superintendent.
Specifications obtainable from above office.
Agreements for rental of trucks are subject to the provisions of the Trucking Code. •

LAKE COUNTY, Cal.—Until May 14, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 Wabash Ave., Eureka, for the rental of one 950-gal. water sprinkler truck, for not to exceed 160 hours' work. The tank must be mounted on a truck with a rating of not less than three tons.
The truck is to be used in sprinkling roads in the vicinity of Kelseyville as directed by C. H. Sackett, Maintenance Superintendent at Uklah, Mendocino County.
Specifications obtainable from above office.
Agreements for rental of trucks are subject to the provisions of the Trucking Code. •

SAN JOAQUIN COUNTY

MANTECA, San Joaquin Co., Cal.—Until May 21, 8 P. M., bids will be received by the Board of Trustees of the Manteca Union High School Dist., Manteca, for furnishing one school bus complete with all necessary legal auxiliary equipment; capacity, 50 high school students, and for one bus chassis alone, suitable for bus body of the above capacity.
Specifications obtainable from above office. Guss G. Schmiedt, clerk.

TULARE COUNTY

EXETER, Tulare Co., Calif.—Until May 17, 8 P. M., bids will be received by the Board of Trustees of the Exeter School District, Exeter, for furnishing one 41- to 48-passenger school bus.
Specifications obtainable from above office. John A. Van Cleve, clerk.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $11,470 awarded contract by State Highway Commission, Sacramento, for the construction of fenders for two piers at the bridge across the Sacramento River about 1.3 miles north of Isleton, Sacramento County.

LOW BIDDERS

JUNEAU, Alaska — Pacific Car & Foundry Co., Renton, Washington, at $117,024, Alt. $109,352, submitted low bid to the Alaska Road Commission, Interior Department, 441 Federal Office Bldg., Seattle, Wash., for the fabrication and erection in plant of the Juneau - Douglas Highway Bridge, from piers 1 to 4.

Columbia Steel Co., 1054 4th St., S., Seattle, Wash., at $124,815; alt. $117,784 submitted second low bid.

Wallace Bridge & Structural Steel Co., W. Marginal and Idaho Streets, Seattle, at $143,850, and alt. $133,129 submitted third low bid.

All bids held under advisement.

BIDS WANTED

CLACKAMAS COUNTY, Ore.—Until May 17, 9 A. M., bids will be received by the Oregon State Highway Commission in the Auditorium, third floor, Public Service Bldg., Portland, for remodeling the bridge over outlet of Kellogg Lake on the East Portland-Oregon City Highway in Milwaukie. The work involves:
(1) 400 cu. yds. excavation;
(2) 2,700 lin. ft. piling;
(3) 380 cu. yds. concrete;
(4) 45,000 lbs. metal reinforcement;
(5) 90 cu. yds. gravel backfill;
(6) 30 lin. ft. concrete handrail.

Bids will be received under the same contract for the construction of a retaining wall along Johnson creek near Milwaukie north city limits, involving:
(1) 360 cu. yds. excavation;
(2) 220 cu. yds. Class A concrete;
(3) 16,000 lbs. metal reinforcement.

National Recovery Projects Nos. NRM 168-G and NRH 168-F.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5 per set.

BIDS WANTED

SAN JOSE, Santa Clara Co., Calif.—Until May 21, 5 P. M., (date previously reported as May 14) bids will be received by the San Jose City Clerk, John J. Lynch, City Hall, for the construction of a reinforced concrete girder bridge on Fox Avenue over the Guadalupe river, in San Jose. Work involves:
(1) 444 cu. yds. excavation;
(2) 352 cu. yds. concrete;
(3) 24.53 tons steel;
(4) 34 concrete piles, 20-ft. long;
(5) 60 wooden piles, 25-ft. long;
(6) 262 lin. ft. concrete handrail;
(7) 200 cu. yds. backfill.

Plans and specifications will be obtainable from the City Engineer, W. L. Popp, on and after May 9, upon deposit of $10, $5 of which will be returnable.

AWARD

CLACKAMAS COUNTY, Oregon—Parker-Schram Co., Couch Bupilding, Portland, at $19,934.50 awarded contract by the Oregon State Highway Commission for the costruction of a railroad bridge over the East Portland-Oregon City Highway at the south city limits of Portland.

CONTRACT AWARDED

LOS ANGELES, Cal.—Jahn & Bressi Const. Co., 701 Lane Mortgage Bldg., Los Angeles, at $384,560.78 awarded contract by the Los Angeles Board of Public Works May 4 for construction of the Figueroa Street Tunnel No. 4.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—R. R. Bishop, 5017 E. Broadway, Long Beach, at $13,052 awarded contract by the State Highway Commission, Sacramento, for construction of an overhead crossing over the Atchison Topeka & Santa Fe Railway near Carlsbad, Sa Diego County.

BIDS WANTED

YUBA AND BUTTE Counties, Cal.—Until May 22, 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Dist. III, Marysville Hotel, Marysville, for repairing two bridges near the north city limits of Marysville and ten miles north of Marysville in Yuba and Butte Counties, as follows:

Simmerly Slough Bridge: The existing floor and surfacing are to be removed and a new floor constructed of new and salvaged lumber. The existing steel stringers where necessary are to be straightened and additional new stringers placed. The existing steel floor beams are to be reinforced by welding reinforcing plates to flanges.

Middle Honcut Creek Bridge: The existing floor is to be removed and a new floor and railing constructed.

The work involves:
(1) 1 lot existing timber decks to be removed and disposed of, lump sum;
(2) 22 MFBM Douglas fir in place;
(3) 11 MFBM salvaged timber in place
(4) 14,350 lbs. struc. steel in place;
(5) 1 lot misc. items of work.

Plans and specifications obtainable from the above office.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

RICHMOND, Cal. — Healy Tibbitts Constr. Co., 64 Pine St., San Francisco, at $2.345 per ton; total $18,760 submitted low bid to the U. S. Engineer Office, Colonel H. A. Finch, Dist. Engineer, Customhouse, San Francisco, for furnishing 8000 tons of stone for training wall at Richmond Harbor. The other bids follow. (1) per ton; (2) total:

Daniel Constr. Co., San Francisco, (1) $2.38; (2) $19,040.

Hutchinson Co., Oakland, (1) $240; (2) $19,200.

Basalt Rock Co., Napa, (1) $2.50; (2) $20,000.

Blake Bros., San Francisco, (1) $2.60 (2) $20,800.

Engineer's estimate, (1) $1.89.

All bids held under advisement.

FUNDS ALLOTTED

NEWPORT BEACH, Cal.—The Public Works Administration has allotted to the Newport Harbor project $912,000 as part of the estimated cost of $1,935,441. The project will be a joint undertaking of the Federal Government and Orange County. Specifications for dredging and the construction of jetties are being completed. The work will be done under the supervision of Major H. H. Stickney, U. S. Engineer, Los Angeles.

The project calls for the extension of the two jetties at the harbor entrance; the west one 760 ft. and the east one 920 ft. The entrance channel will be dredged 500 ft. wide and 20 ft. deep at low tide, this depth to be continued to the county-owned frontage and dock at the Arches in a channel 200 ft. wide. Thirty-five acres fronting the Newport Harbor Yacht Club will be dredged to a depth of 15 ft. at low tide to provide anchorage for pleasure craft. All other harbor areas will be deepende to 10 feet, to eliminate shaols and the other hidden obstructions. A turning basin from 600 to 1200 ft. wide will be provided.

R. L. Patterson, City Engineer of Newport, has estimated the amount of work as follows:
(1) 7,692,000 cu. ft. dredging;
(2) 190,000 tons rock.

Bids will be asked first on jetty extensions, while those on dredging will come later, as considerable surveying is needed before bid details can be worked out.

Itemized costs of the program: Extend west jetty 760 ft., $345,144; extend east jetty 920 ft., $287,868; dredge entrance channel, $150,696; dredge main county channel, $180,159; dredge county turning basin, $112,608; dredge yacht anchorage basin, $113,919; dredge remainder of lower bay, $645,047. The total harbor improvement will cost $1,835,441, of which the U. S. Public Works fund will contribute $1,195,441 and the remaining $640,000 to be paid by Orange County.

BIDS OPENED

YOLO & COLUSA COUNTIES, Cal.—Lord & Bishop, Native Sons Bldg., Sacramento, at $2.90 per ton; total, $34,800 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6339, for furnishing, delivering, and placing approximately 12,000 tons of riprap stone along the banks of the Sacramento river at five separate lo-

cations between a point about five miles downstream from Knights Landing and a point about six miles upstream from Colusa.

O. G. Ritchie, 154 N. 11th St., San Jose, and L. F. Piazza, 296 N. 6th St., San Jose, at $3.45 per ton; total, $24,150 for furnishing, delivering and placing 7,000 tons of rip-rap stone at Sailor Bend, submitted the only other bid.

Bids held under advisement.

BIDS WANTED

COWLITZ RIVER, Wash.—Until May 15, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, for grading and riprapping with stone about 1,000 lin. ft. of the left bank of the Cowlitz river at a point 1.5 miles above its mouth.

The work requires 5,000 cu. yds. of stone riprap in place.

Plans and specifications obtainable from the above office.

BIDS WANTED

NEWPORT BAY, Cal.—Until May 28 3 P. M., bids will be received by the U. S. Engineer Office, 751 S. Figueroa St., Los Angeles, for the reconstruction, repairs and extension of jetties at the entrance to Newport Bay. The work involves:

West Jetty Extension, 675 ft. Long

43,200 cu. yds. solid stone (exclusive of voids) Class B, furnish and place;
75,500 tons Class C do;
4,000 cu. yds. clinking stone do;

East Jetty Extension, 950 ft. Long

9,200 tons furnish and place Class C stone;
20,000 cu. yds. Class B solid stone (exclusive of voids) furnish and place;
86,000 tons furnish and place Class A stone;
5,700 cu. yds. furnish and place chinkstone.

Specifications obtainable from above office.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Chas. R. Perkins, Fort Bragg, at $0.935 per cu. yd., total, $6252.36 submitted low bid to the U. S. Engineer Office, Colonel H. A. Finch, District Engineer, Customhouse, San Francisco, for removing 6979 cu. yds. sand, gravel and rock fragments from the channel at the mouth of the Noyo River, Mendocino County.

Ben C. Gerwick, San Francisco, at $1.372, total $9575.19, submitted only other bid.

Engineer's estimate, $0.8968 per cu. yd., total $5259.

Bids held under advisement.

23—IRRIGATION PROJ.

CONTRACT AWARDED

ONTARIO, Ore. — Barnard Curtiss Co., 808 Phoenix Bldg., Minneapolis, Minn., at $154,290 awarded contract by the Bureau of Reclamation, Ontario, for construction of structures, North Canal, Station 513 to Sta. 2051, Mitchell Butte Lateral, Mitchell Butte Division, Owyhee Project; Spec. 563.

PERMITS ISSUED

SACRAMENTO, Calif. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of April, 1934:

4302, Application 7716 (Sierra Co.) issued to L. D. Sweet, Monterey, for 2.5 cubic feet per second from Nigger Creek, for mining and domestic purposes. Estimated cost $$300.

4303, App. 7730 (Mendocino Co.) Issued to State Division of Highways, Eureka, for 360 gals. per day from Ridgewood Spring, for recreational purposes. Est. cost, $20.

4304, App. 7736 (Mendocino Co.) Issued to State Division of Highways, Eureka, for 1000 gals. per day from Hinkle Spring, for recreational purposes.

4305, App. 7825 (Siskiyou Co.) Issued to Mary J. Lewis, Fort Jones, for 0.62 cu. ft. per second from Mill Creek, for irrigation of 30 acres.

4306, App. 7845 (Humboldt Co.) Issued to M. P. Roberts, Jr., and C. A. Mellberg, Arcata, for 2.0 cu. ft. per second from Mad River, for irrigation of 69.41 acres. Est. cost, $1200.00.

4307, App. 7828 (Del Norte Co.) Issued to E. McClendon and C. H. McClendon, Crescent City, for 2.0 cubic feet per second from Muslat Creek, for mining purposes.

4308, App. 7607 (Nevada Co.) Issued to H. M. Shields, Nevada City, for .05 cu. ft. per second from an unnamed spring, for mining and domestic purposes. Est. cost, $1000.

4309, App. 7834 (Sonoma Co.) Issued to Frank Baliors, Sonoma, for 0.4 cu. ft. per second from Sonoma Creek, for irrigation of 35 acres.

4310, App. 7847 (Stanislaus Co.) Issued to E. J. Basso, Modesto, for 3.0 cu. ft. per second from Dry Creek, for domestic and irrigation of 37 acres. Est. cost, $1000.

4311, App. 7812 (Los Angeles Co.) Issued to U. S. Angeles National Forest, Los Angeles, for 1950 gals. per day from Pigeon Spring, for fire suppression. Est. cost, $50.

4312, App. 7720 (San Benito and Santa Clara Cos.) Issued to Pacheco Pass Water District, Hollister, for 50 cu. ft. per second from Dos Picachos creek and 13 500 ac. ft. per annum from the north fork of Pacheco Creek and 2500 ac. ft. per annum from south fork of Pacheco Creek, for irigation and domestic use on 9614 acres within said district. Est. cost, $200,000.

4313, App. 7701 (San Bernardino Co.) Issued to Bert Bernhard and E. R. Richardson, Cedar Pine, for 1 cu. ft. per second from spring in Adler Canyon, for recreational, fish culture and domestic purposes. Est. cost, $500.

4314, App. 7690 (San Diego Co.) Issued to C. H. Jacobs, Fallbrook, for 0.33 cu. ft. per second from a spring and an unnamed creek for irrigation and domestic purposes on 32 acres. Est. cost, $1000.

4315, App. 7838 (San Bernardino Co.) Issued to W. S. Harper, Culver City, for 0.03 cu. ft. per second from Grass Valley Creek for domestic purposes. Est. cost, $1000.

4316, App. 7853 (Los Angeles Co.) Issued to U. S. Angeles National Forest, Los Angeles, for 0.01 cu. ft. per second from Stevens Spring, for domestic and recreational purposes. Estimated cost, $500.

23

BIDS WANTED

YUMA, Arizona—Until June 7, 10 A. M., (Mountain Std. Time) bids will be received by the U. S. Bureau of Reclamation, Federal Bldg., Yuma, for the construction of earthwork, All-American Canal, Station 245 to Station 1860, Boulder Canyon Project, Arizona - California - Nevada, under Spec. No. 573. The work is located from 10 miles northeast to 18 miles west of Yuma. The work involves:

(1) 39,390,000 cu. yds. common excavation;
(2) 528,000 cu. yds. rock excavation.

Specifications obtainable from the Bureau of Reclamation at Yuma, Ariz. Denver, Colo., or Washington, D. C., at a charge of $1, not returnable.

APPLICATIONS FILED

SACRAMENTO, Cal. — Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during the month of April, 1934:

7890 (Amador County) Nathaniel B. Ellery, Oakland, for 270,000 ac. ft. per annum from Cosumnes river tributary to Mokelumne river; to be diverted for municipal purposes.

7891 (Amador County) Nathaniel B. Ellery, Oakland, for 270,000 ac. ft. per annum from Cosumnes river tributary to Mokelumne river; to be diverted for power purposes.

7893 (El Dorado Co. (U. S. Eldorado National Forest, Placerville, for 0.012 cu. ft. per second from Ben Wood creek, tributary to south fork American river, to be diverted for domestic purposes. Est. cost, $350.

7893 (El Dorado Co. (U. E. Eldorado National Forest, Placerville ,for 0.015 cu. ft. per second from Eagle Falls spring tributary to Eagle Falls creek thence Emerald Bay; to be diverted for domestic and recreational purposes. Est. cost, $350.00.

7894 (Placer Co.(Lewis Brenzo, Loomis, for 0.37 cu. ft. per second from Secret Ravine tributary to American river; to be diverted for irrigation and domestic purposes on 30 acres. Est. cost, $500.

7895 (Inyo Co.) Inyo Mines, Inc., 1040 W. 21st St., Los Angeles, for 0.8 cubic foot per second from Upper Paiute spring tributary to Saline Valley sink; to be diverted for mining purposes. Est. cost, $3500.

7896 (Amador Co.) W. L. Harvey, Jackson, for 1000 ac. ft. per annum from north and south forks of Rancheria creeks tributary to Dry creek thence Mokelumne river; to be diverted for mining purposes.

7897 (El Dorado Co.) Iron Mountain Investment Co., % J. W.Gross, Sacramento, for 0.67 cu. ft. per second from Big Canyon creek tributary to Cosumnes river; to be diverted for mining and domestic purposes. Est. cost, $25,000. In addition to the above, applicant proposes to divert and store 300 ac. ft. per annum.

7898 (Humboldt Co.) H. A. Crossley, Eureka, for 1 cu. ft. per second from unnamed stream tributary to Wilson creek thence Mad river; to be diverted for irrigation and domestic purposes on 1½ acres. Est. cost, $50.

7899 (Sierra County) Clyde Nelson, Downieville, for 3 cu. ft. per second from Oregon creek tributary to Middle Fork of Yuba river; to be diverted for mining purposes. Est. cost, $100.

7900 (San Benito Co.) Lloyd Jones, New Idria, for 0.2 cu. ft. per second from San Carlos Creek, tributary to San Joaquin river drainage area; to be diverted for irrigation and domestic purposes on 15 acres. Est. cost, $200.

7901 (Orange Co.) A. J. Stead, Long Beach, for 2,650 ac. ft. per annum from Aliso creek tributary to Pacific Ocean; to be diverted for municipal purposes.

7902 (Trinity Co.) Dept. of Natural Resources, Division of Forestry, Sacramento, for 0.05 cu. ft. per second from Phillips Gulch tributary to Grass Valley creek thence Trinity river; to be diverted for domestic purposes. Estimated cost $1500.

7903 (Nevada Co.) Western Gold Inc. % F. E. Bonner, 605 Russ Bldg., San Francisco, for 30 cu. ft. per sec. from South Fork of Poorman Creek tributary to South Fork Yuba River; to be diverted for mining purposes.

7904 (Del Norte Co.) Pietro Cane, et al, % R. W. McCoy, Crescent City, for 5 cu. ft. per second from Moore Gulch and Supply Gulch tributary to Smith river, to be diverted for mining and domestic purposes. Est. cost, $12,000.

7905 (El Dorado Co.) M. J. Bacon, 1120 1 St., Sacramento, for 200 gals. per day from Bull creek tributary to South Fork American River; to be diverted for domestic purposes.

7906 (Butte Co.) J. O. Gustafson, Petaluma, for 0.2 cu. ft. per second from Frazer creek tributary to Feather river; to be diverted for mining purposes. Est. cost, $500.

7907 (Sierra Co.) Gibsonville Townsite Gold Mining Co., % W. O. Mitchell, Woodleaf, for 10 cu. ft. per sec. from Little Slate creek, tributary to North Fork of Feather river; to be diverted for mining purposes.

7908 (Placer Co.) American Mining Co., San Francisco, for 50 cu. ft. per sec. from North Fork American river tributary to American river; to be diverted for power purposes.

7909 (Placer Co.) American Mining Co., San Francisco, for 3 ac. ft. per annum from North Fork American river tributary to American river; to be diverted for mining and domestic purposes.

7910 (Inyo Co.) J. O. Riley, Independence, for 0.1 cu. ft. per second from an unnamed spring; to be diverted for domestic and industrial uses.

7911 (Siskiyou Co.) H. M. James, Happy Camp, Calif., for 1 cubic foot per second from Tennessee Gulch Tributary to South Fork of Indian Creek. To be diverted for mining and domestic purposes. Estimated cost $15.00.

7912 (San Bernardino Co.) Wm. C. Bryant, Victorville, Calif., for 0.5 cubic foot per second from West Fork of Dry Creek tributary to Mojave River. To be diverted for irrigation and domestic purposes. Est. cost $150.00.

7913 (Santa Clara Co.) R. Balanesi, Morgan Hill, Calif., for 1.33 cubic feet per second from Uvas Creek tributary to Pajaro River. To be diverted for irrigation and domestic purposes.

7914 (Humboldt County) Irigold Corporation, Salyer, Calif., for 50 cubic feet per second and 2½ acre feet per annum from Mahela River tributary to South Fork Trinity River. To be diverted for mining purposes. Estimated cost $5,000.00.

7915 (Placer Co.) J. H. Stephens, Sacramento, Calif., for 115 cubic feet per second and 16,000 acre feet per annum from Monumental Creek and 9 other tributaries to North Fork American River. To be diverted for mining purposes.

7916 (Siskiyou Co.) Rubin Tannenbaum, 624 W. Miner St., Yreka, Calif., for 400 gallons per day from a spring tributary to Deadwood Creek and Scott River. To be diverted for domestic purposes. Est. cost $250.00.

7917 (Sierra Co.) Cyril Wigmore, Downieville, Calif., for 25 cubic feet per second from Eureka Creek tributary to North Fork Yuba River. To be diverted for mining purposes. Estimated cost $1200.00.

7918 (Fresno Co.) Division of Highways, Sacramento, Calif., for 2210 gallons per day from a spring tributary to Ten Mile Creek thence Kings River. To be diverted for industrial and recreational purposes. Estimated cost $50.00.

7919 (Plumas Co.) H. M. Ireland, Route 1, Box 51-A, Oroville, Calif., for 1.5 cubic feet per second from Scotchman Creek tributary to Middle Fork Feather River. To be diverted for mining purposes. Est. cost $300.00.

7920 (El Dorado Co.) Mrs. Stella Johnson, Gardnerville, Nevada, for 600 acre feet per annum from Star Lake tributary to Cold Creek. To be diverted for irrigation purposes on 1400 acres. Estimated cost $2000.00.

7921 (El Dorado Co.) Chas. Sumner Mering, 1216 24th St., Sacramento, Calif., for 0.001 cubic foot per second from South Fork American River. To be diverted for domestic purposes.

7922 (San Bernardino Co.) Harold E. Morelock, Lucerne Valley, Calif., for 0.125 cubic foot per second from Unnamed Springs tributary to Deep Creek. To be diverted for irrigation and domestic purposes on 5 acres. Estimated cost $300.00.

7923 (Amador Co.) Raymond Silva, 2216 22nd st., Sacramento, Calif., for 270,000 acre feet per annum from Cosumnes River. To be diverted for municipal purposes. Estimated cost, $5,700,000.

7924 (Amador Co.) Raymond Silva, 2216 22nd St., Sacramento, Calif., for 270,000 acre feet per annum from Cosumnes River. To be diverted for power purposes. 13,360 theoretical horsepower to be developed.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

EL PASO, Texas—Bids for furnishing two excavating machines for use at the Cabello Dam project were opened by the International Boundary Commission, El Paso. The bids, which were all f.o.b. El Paso, were:

Ohio Power Shovel Co., Lima, $24,680 each.

Northwest Engineering Co., Chicago, $25,550 each.

Bucyrus Erie Co., South Milwaukee, Wis., $26,400 each.

American Hoist & Derrick Co., St. Paul, $25,363.20 each.

Marion Steam Shovel Co., Marion, Ohio, $24,878 each.

Harnischfeger Sales Corp., Milwaukee, $23,991 each.

May 5, 1934

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing rental of gas shovel, under Bid DPM 281, were opened by the U. S. Forest Service, April 30. The bids follow:

Leigh M. Railsback, (1) rental per month, $300; (2) purchase price, $3,250; bidding on Bay City ⅜-yd. shovel.

Brown-Bevis Co., (1) $475; (2) $2500, bidding on a Michigan ⅜-yd. shovel.

CONTRACTS AWARDED

HAMILTON FIELD, Cal.—Following contracts awarded by the Post Quartermaster, Hamilton Field, San Rafael, for furnishing wood-working and pipe cutting machinery:

Wm. G. Jacobi, San Mateo: Item (1) Saw, $442; (3) Joiner, $285; (4) Surfacer, $960.

Harron, Rickard & McCone, 1600 Bryant St., San Francisco, (2) Band saw, $677.

Ta-Holbrook, Inc., 165 Eighth St., S. F. (1) Pipe machine, $358.30.

Bids opened May 3.

CONTRACT AWARDED

FORT PECK, Mont. — Curtis Mfg. Co., St. Louis, at $19,112.88 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for furnishing 48 cranes for Fort Peck dredges.

BIDS OPENED

SACRAMENTO, Calif.—Wieland Equipment Co., 2657 Ninth St., Berkeley, at $7.90 per hour, total, $1,185 submitted the only bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg. Sacramento, for furnishing and operating one dragline for approximately 150 hours. The dragline is to be used at Sailor Bend on the Sacramento river about six miles upstream from Colusa. 5

CONTRACT AWARDED

FORT PECK, Mont. — Ellicott Machinery Corp., 1611 Bush St., Baltimore, Md., at $24,692 awarded contract by the U. S. Engineer Office, Kansas City, for furnishing four hauling and hoisting winches and four sets of controls for same, for the Fort Peck Dam.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Department of Agriculture, Division of Purchase, Sales & Traffic, April 24, under Proposal 6426 for furnishing 14 trailbuilder attachments for Oakland. Bids were taken as follows:

(1) fob. works;
(2) delivered;
(3) cash offer.

Isaacson Iron Works, Seattle, (1) $1,340 each; (2) $1,270; 2%.

Mack-Woolridge, Los Angeles, (1) $1,245; (2) $1,270; 2%.

Master Equip Co., Los Angeles, (1) $1,225; (2) $1,252; 2%.

R. G. LeTourineau, Stockton, (1) $1,739; (2) $1,747; 5%.

Knapp Mfg. Co., Oakland, (1) $1,250; (2) $1,250; 5%.

Maloon & Mattley, Davis, (1) $1,000; (2) $1,000; 2%.

Garwood, Inc., Detroit, (1) $1,750; (2) $2,000.

Caterpillar Tractor Co., Peoria, (1) $393.10 each.

All bids held under advisement.

May 10, 1934

BIDS REJECTED

KERN COUNTY, Cal.—All bids received by the District Engineer, Department of Public Works, Division of Highways, Fresno, May 2 for the rental of trucks for use on the Seivert to Hayfress Canyon road (Ker - 58 - D) have been rejected.

May 10, 1934

BIDS OPENED

SANTA MONICA, Los Angeles Co., Cal.—Identical bids at $7250 were received by Santa Monica City Council May 8 for furnishing a motor-driven pickup street sweeper. The bidders were Elgin Corp. and Austin-Western Road Machinery Company.

Bids held under advisement.

BIDS OPENED

SAN LUIS OBISPO, Cal.—Following bids received by the State Purchasing Agent, 323 State Capitol, Sacramento, under Quotation 41492, Req. 8672 for furnishing one tractor f.o.b. San Luis Obispo:

Luke & Livingston, Santa Maria, $1504; less $30, 10 days.

J. D. Adams Co., San Francisco, $1569 2% 30 days.

Smith Booth Usher, Los Angeles, $1654 less $115.85, 30 days. $115 allowed on old tractor.

Farmers Hardware & Implement Co., San Luis Obispo, $1725; less 5% 30 days.

BIDS OPENED

WILLITTS, Cal.—Following bids received by the State Purchasing Agent, State Capitol, Sacramento, for furnishing one 1-man motor-grader unit, with cab, mounted on pneumatic tires all around, dual in rear, 10-foot blade, and rear controls, to be delivered to the Division of Highways, Shop 1, Willitts:

Edward R. Bacon, San Francisco, Wehr St. UZ, $2613.25; 2% 30 days.

Spears Wells Co., Oakland, Spearwell Big 8, $2619.75; plus tax, 2% 30 days.

Sacramento Tractor & Equipment Co., Allis Chalmers Speed Patrol, $3,019; plus tax, 2% 30 days.

Austin Western Road Machinery Co., S. F., $3066; 2% 30 days.

J. D. Adams Co., S. F., Adams No. 30 or 102, $3066; 2% 30 days.

Jenisen Machinery Co., S. F., Galion EZ Lift, $3070; 2% 30 days.

Crown Machine Works, No. 10 Cat. Auto Patrol, $3087.75.

Midland Tractor Co., Sacramento, No. 10 Cat. Auto Patrol, $3158.75 plus tax; 2% 30 days.

Midland Tractor Co., Sacramento, No. 10 Cat. Auto Patrol Tandem Drive, $3630.75 plus tax; 2% 30 days.

Bids held under advisement.

26— RAILROADS

CONTRACT AWARDED

LOS ANGELES, Cal.—Merritt, Chapman & Scott, 720 Wilmington-Redondo Road, San Pedro, at $21,650 awarded contract by the Los Angeles County Supervisors May 7 for the construction of an earth levee, furnishing and placing riprap, and the construction of a railroad track on the east bank of the San Gabriel river from the Pacific Electric Railway tracks, Whittier ranch, downstream 2000 ft.

AWARD

SONOMA AND MENDOCINO COS., Cal.—Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $99,017 awarded contract by State Highway Commission, Sacramento, for surfacing with bituminous treated crushed gravel or stone, plant mixed, about 13.9 miles on Sonoma and Mendocino Counties between Cloverdale and Hopland.

BIDS OPENED

SAN FRANCISCO.—Theo. Cohn, 645 Russ Bldg., at $3,501, Masonic Ave., and $7,298, 10th Ave., submitted low bid to the Public Utilities Commission, City Hall, for the removal of tracks on (1) Tenth Ave. between Geary Blvd. and Fulton St., and (2) Masonic Ave. bet. Geary Blvd. and Turk St., including the restoring of the pavement.

Complete bids follow:

Theo. Cohn, (1) $3,501; (2) $7,298.

Pacific Pavements, Ltd., (1) $4,218.44 (2) $8,501.32.

Fay Imp. Co., (1) $4,688; (2) $10,000.

J. S. Hellmann, (1) $4,987; (2) $10,788.

E. J. Treacy, (1) $5,177.56; (2) $10,840.

All bids held under advisement.

BIDS WANTED

GRAND COULEE, Wash. — Until May 17, 10 A. M., as previously reported, bids will be received by the U. S. Bueau of Reclamation, care of the Columbia Basin Commission, Civic Bldg., Spokane, Wash., for the completion of the United States Construction Railroad at the Grand Coulee Dam, Columbia Basin Project, Wash. The work consists of laying about 30 miles of single track railroad from Odair, a siding on the Northern Pacific Railroad about 2 mi. northeast of Coulee City, Wash., to the Grand Coulee Dam Site on the Columbia River, and includes construction of a delivery yard at Odair, a siding at the head of Grand Coulee, and laying and ballasting a single track railroad from the head of Grand Coulee to the Grand Coulee Dam Site, and a siding near the Dam Sit.

Bids will be considered on the following schedule, but no bid will be considered for only a part of the schedule:

(1) 445,000 cu. yds. excav. for roadbed, common;
(2) 50,000 cu. yds. excav. for roadbed, rock;
(3) 850,000 sta. cu. yds. overhaul;
(4) 800 cu. yds. excav. for structures, common;
(5) 500 cu. yds. excav. for structures, rock;
(6) 2500 cu. yds. backfill about struc.
(7) 600 cu. yds. concrete;
(8) 30,000 lbs. placing reinforcement bars;
(9) 1200 sq. yds. dry-rock paving;
(10) 100 lin. ft. laying 18-in. diameter corrugated metal pipe;
(11) 550 lin. ft. laying 24-in. do;
(12) 1900 lin. ft. laying 36-in. do;
(13) 1500 lin. ft. laying 48-in. do;
(14) 200 lin. ft. laying 60-in. do;
(15) 50 M. ft. B. M. erecting timber in bridges or trestles;
(16) 1800 lin. ft. driving piles;
(17) 60 miles constructing right-of-way fence;
(18) 40 gates constructing right-of-way gates;
(19) 30 guards constructing cattle guards;
(20) 28 M. ft. B. M. constructing highway crossings;
(21) 75 signs erecting highway crossing signs;
(22) 34.5 track miles laying ties and track;
(23) 5000 each applying rail anchors;
(24) 17 turnouts installing turnouts;
(25) 50,000 cu. yds. ballasting.

MATERIALS TO BE FURNISHED BY THE GOVERNMENT

The Government will furnish cement for use in concrete; diatomaceous silica or other powdered admixtures, if required, for use in concrete; reinforcement bars; corrugated metal pipe and connecting bands for culverts; piles; pile point shoes; lumber for bridges, trestles, road crossings, fence braces, and cattle guards; crossing signs; galvanized iron and No. 8 double-headed nails for fire decks on bridges or trestles; bolts including anchor bolts, washers, packing washers, drift pins, lag screws, spikes and nails, twenty-penny or larger, to be used in the completed structures; oil for rail joints; ties; rails; angle bars; rail anchors; tie plates; track spikes; bolts; nut locks; switch ties and switches, complete; posts, wire, stays, and staples for fences. All materials furnished by the Government will be delivered to the contractors f.o.b. cars at Odair, Washington.

MATERIALS TO BE FURNISHED BY THE CONTRACTOR

The contractor will be required to furnish all form materials; all lumber required for strutting corhugated metal pipe; all bolts, spikes, or nails for forms, and all spikes or nails less than twenty-penny in size to be used in the completed structures; all wire and wire ties used for holding forms and for securing reinforcement bars; all sand and broken rock or gravel for concrete; all rock for dry-rock paving; all ballasting materials for the roadbed; all backfill materials; and all water used for mixing, cleaning, and curing concrete.

The contractor shall begin work within 15 calendar days after date of receipt of notice to proceed and shall complete all of the work within 180 calendar days from the date of receipt of such notice.

Copies of the standard forms and of the specifications may be obtained from the office of the Bureau of Reclamation at Almira, Washington; Denver, Colorado, or Washington, D. C., without charge to prospective bidders; to others, $1, not returnable.

PROSPECTIVE BIDDERS

GRAND COULEE, Wash.—Following have procured plans for the construction of the U. S. Construction Railroad to the Grand Coulee damsite, for which bids will be received by the U. S. Bureau of Reclamation, Civic Bldg., Spokane, May 17:

Tomlinson - Arkwright Const. Co., Great Falls, Montana.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Shannahan Bros., Inc., 6181 Eastern Ave., Los Angeles.

Schuler & McDonald Co., Inc., 1723 Webster St., Oakland.

Morrison-Knudsen Co., Boise, Idaho.

General Const. Co., 553 Colman Bldg. Seattle.

P. L. Crooks & Co., 616 Henry Bldg., Portland.

C. T. Malcom, Portland.

L. Romano Engr. Co., 308-09 Thompson, Seattle.

The Lawler Corp., 407-408 Lewisohn Bldg., Butte, Montana.

Guthrie - McDougall Co., Sherlock Bldg., Portland.

Erickson Paving Co., 1550 N 34th, Seattle.

A. D. Schrader, 234 Steuart Street, San Francisco.

BIDS WANTED

BRODERICK, Yolo Co., Cal.—Until May 14, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, for raising and resetting two vegetable packing buildings, removing and replacing about 1160 ft. railroad siding, raising power line poles, and performing incidental work. The work involves:

(1) 400 cu. yds. furnishing and placing track ballast;
(2) Lump sum, removing track, shaping subgrade and replacing track
(3) 11 poles, raising power line poles and electric wire;
(4) Lump sum, raising and resetting Yolo Lettuce Growers' Packing House, including re-installation of water supply and sewerage disposal systems;
(5) Lump sum, raising and resetting State Packing House, including re-installation of water supply and sewerage disposal systems;
(6) 720 cu. yds. shaping sub-grade and furnishing and placing driveway gravel.

The work is located on the government spoil disposal area near Broderick Station, Yolo County. Spec. No. 6355.

Plans and specifications obtainable from above office.

30—RESERVOIRS & DAMS

FORT PECK, Montana—E. J. Longyear Exploration Co., 1701 Fosahy Tower, Minneapolis, Minnesota, at $31,975 submitted low bid to the U. S.

BIDS OPENED

Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for test borings at the spillway site, near Nashua, Valley County, Montana, in the Missouri River Valley. Complete blds follow:

E. J. Longyear Exploation Co., Minneaplois, Minn, $31,975.

Kennedy-Riegger Drilling Co., Inc., 30 Chuch St., New Yok City, $54,500.

Mitchell Diamond Drill Co., Ltd., East 2127 Hoffman Ave., Spokane, $39,062.50.

Diamond Drill Contracting Co., 118 W. Second Ave., Spokane, Wash., $39,175.

Mott Core Drilling Co., Inc., 846 8th Ave., Huntington, W. Va., $39,887.50.

Sullivan Machinery Co., 400 N. Michigan Ave., Chicago, $42,125.

Sprague & Henwood, Inc., Scranton, Pa., $43,000.

Bids were opened April 23. 30

PROSPECTIVE BIDDERS

GRAND COULEE, Wash.—Following have procured plans for the construction of the Grand Coulee dam and Power Plant, for which bids will be received by the U. S. Bureau of Reclamation, Civic Bldg., Spokane, June 18, 10 A. M.:

J. M. Meany, 80 Fourth St., Portland.

MacDonald & Kahn, Financial Center Bldg., San Francisco.

Morrison-Knudsen Co., Boise, Idaho.

General Const. Co., 553 Colman Bldg. Seattle.

C. T. Malcom, Portland.

The Lawler Corp., 407-408 Lewisohn Bldg., Butte, Montana.

Guy F. Atkinson Co., 658 Russ Bldg., San Francisco.

The Atkinson Co., 9135 San Leandro, Oakland. 30

BIDS WANTED

BONNEVILLE, Ore.—Until May 17, 1 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-660, for furnishing 300,000 bbls. of Portland cement, in lots of 100,000 bbls. Bids will be received under alternates as follows:

Schedule A: fob railroad cars at mill shipping points.

Sched. B: fob railroad cars at Bonneville.

Schedule C: fob barges at Bonneville.

Schedule D: fob trucks at Bonneville.

Estimated requirements per month are:

July, 1934	10,000 barrels
August, 1934	10,000 barrels
September, 1934	40,000 barrels
October, 1934	40,000 barrels
November, 1934	45,000 barrels
December, 1934	45,000 barrels
January, 1935	40,000 barrels
February, 1935	40,000 barrels
March, 1935	30,000 barrels

Plans and specifications obtainable from the above office.

BIDS WANTED

FORT PECK, Mont.—Until May 24, 2 M., bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for overburden excavation and stripping at the site of the proposed Fort Peck Dam.

Plans may be obtained from the engineer upon deposit of certified check or money order for $50.00. Theodore Wyman, Jr., Captain, Corps of Engineers, Assistant to the Division Engineer.

BIDS WANTED

LOS ANGELES, Cal.—Until May 14, P. M., new bids will be received by the Los Angeles County Board of Supervisors for the construction and operation of plant and distribution system for applying water to the faces of San Gabriel Dam No. 2. Bids will be taken as follows:

1) lump sum, Plant No. 1;
2) lump sum, Plant No. 2;
3) lump sum, Plant No. 3;
4) lump sum, Plant No. 4;
5) 22,000 cu. ft. spreading water on downstream face of dam;
6) do on upstream face;
7) 4,000,000 cu. ft. water pumped from Plant No. 3;
8) 5,000,000 cu. ft. water pumped from Plant No. 4;
9) 35,000 sq. ft. remove facing slab, No. 1;
10) 22,000 sq. ft. do, No. 2;
11) 7,000 sq. ft. do, No. 3;
12) 2,000 sq. ft. do, No. 4;
13) 25,000 sq. ft. remove sub-slab;
14) 5,000 lin. ft. drill holes, 1½-in. diameter.

Plans and specifications obtainable from Chief Engineer E. C. Eaton upon deposit of $2.50.

Bids were previously opened April 3 and rejected. Case Const. Co., at $36,487.56 was the low bidder at that time.

FUNDS ASKED

LOS ANGELES, Cal.—Application for a loan of $4,132,890 for flood control purposes has been made to the Reconstruction Finance Corporation and the Unified Rehabilitation Corporation by the Los Angeles County Flood Control District. The amount asked is for the purpose of constructing flood control systems and works damaged or destroyed by flood and conflagration. By the Act of Congress No., H.R. 7599, approved April 13, 1934, the sum of $5,000,000 has been made available for general rehabilitation purposes in areas damaged or destroyed. The application outlines the proposed work as follows:

Construction of a reinforced concrete conduit for the waters of the Haines Canyon Wash from the debris basin heretofore constructed at the mouth of Haines Canyon to the junction of the Haines Canyon Wash with the Big Tujunga Wash, a distance of approximately 5.5 miles.

Construction of nine debris basins at the mouth of various canyons in the La Cresenta-Montrose area.

Construction of permanent reinforced concrete channels from said debris basins downstream to the Verdugo Wash.

Construction of a debris dam a short distance downstream from the junction of Verdugo Wash and Pickens Wash.

Permanent improvement of Verdugo Wash from said debris basin to the Los Angeles River.

Construction of four debris dams and the permanent improvement of six tributaries of the Arroyo Seco by the construction of reintorced concrete conduit extending from said debris dams downstream to the Arroyo Seco (in La Canada area).

The individual costs are estimated as follows:

Upper Verdugo Channel	$ 446,500
Verdugo Debris Dam	50,000
Lower Verdugo Channel	468,250
La Crescenta and Montrose Debris Dams	562,600
Haines Canyon Channel	494,500
La Crescenta and Montrose Channels	799,900
La Canada Debris Dams	204,600
La Canada Channels	1,107,540
Total	4,132,890

TO ASK NEW BIDS

PRESCOTT, Ariz.—The Verde River Power and Irrigation District is not bound to Foley Bros., Inc., contractors, under the terms of contracts entered into in 1923 and 1933, by the decision of the Maricopa County Superior Court in the suit brought by the district to have the contracts declared void. This decision paves the way for an early start on the Verde Project which is now a Bureau of Reclamation project. Plans are being prepared by the Bureau under the direction of Denver officials and R. B. Williams, resident engineer at Phoenix. Officials now in Phoenix in connection with the Verde project are: E. B. Debele, hydraulic engineer of Denver; Porter J. Preston, senior engineer, and R. J. Coffey, legal counsel for the reclamation service. Consultants on the Verde project are: W. F. Durand, Palo Alto, Cal., D. C. Henny, Portland, and F. L. Ransome, Pasadena, Cal.

The Camp Verde reservoir, with a capacity of nearly 1,000,000 acre feet, will be formed by a masonry dam 265 feet high with a maximum length of 1300 feet, located due east of Prescott. The diversion dam located 20 miles above the mouth of Verde river will be 30 feet high and 350 feet long. Between these two dams a reservoir will be provided at either the Bartlett or Horseshoe sites with a capacity of 250-000 acre feet, to store water originating below Camp Verde reservoir. At either site the dam would have a height of about 200 feet and a maximum length of about 1200 feet.

May 10, 1934

BIDS REJECTED

ST. HELENA, Napa Co., Cal.—Harry Thorsen, 1519 Kearny St., St. Helena, at $1,935 submitted the only bid to the St. Helena City Council, May 7 for the completion of the spillway for Dam No. 16-1 of the Municipal Water Works, the materials to be furnished by the City.

The bid was rejected and the work will be done by the City.

31—PIPE LINES & WELLS

CONTRACT AWARDED

NAPA, Napa Co., Cal.—R. L. Norris, 3975 8th Ave., Sacramento, at $4,-457 awarded contract by the Department of Public Works, Division of Architecture, Sacramento, for drilling a water well at the Napa State Hospital.

PLANNED

OILDALE, Cal.—The Union Oil Co. has announced that work will start at once on the construction of a 14-mile pipe line from the Weed Patch oil field to the refinery at Oildale. The capacity is estimated at 20,000 barrels daily and the cost at $125,000.

BIDS WANTED

VENTURA, Cal.—Until May 18, 10 A. M., bids will be received by the Ventura County Supervisors, Court House, for drilling one water well in County Water Works District No. 3, at Simi, and casing same with 14-in. double No. 10/No. 12 steel casing. The well is to be drilled to a depth of approximately 200 ft. C. W. Petit, County Surveyor. L. E. Hollowell, County Clerk.

BIDS WANTED

PRESIDIO, San Francisco. — Until May 18, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for drilling a well and furnishing and installing one motor-driven deep well pump at Lobos Creek Pumping Station, San Francisco Presidio.

Plans and specifications obtainable from the above office.

May 10, 1934

BIDS WANTED

COOLIDGE, Arizona—Until May 15, 10 A. M., bids will be received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for approximately 50 deep well turbine pumps with unit drive electric meters, price to include pump houses and installation, all for the San Carlos project, with headquarters at Coolidge.

Plans and specifications obtainable from above office and from the project office at Coolidge, upon payment of $2, not returnable. Checks should be drawn to the order of Special Disbursing Agent, U. S. Indian Irrigation Service. C. A. Engle, Los Angeles, Supervising Engineer. C. J. Moody, Coolidge, Project Engineer.

32—SEWERS & SEWAGE DISPOSAL PLANTS

PLANS BEING PREPARED

SAN MATEO COUNTY, Cal.—Engineer W. G. Frost, Room 15, 220 Third Ave., San Mateo, is preparing plans for a water and sewer system for the horse racing plant to be constructed at Bay Meadows for the California Jockey Club. Cahill Bros., 206 Sansome St, are the general contractors. Bids for the system will be asked in about ten days.

BIDS OPENED

EUREKA, Cal.—Thomas Warren, 316 Third St., Eureka, at $287 submitted low bid to the Public Works Officer, U. S. Navy Yard, Mare Island, under Spec. 7663, for replacing present terra cotta sewers leading from Buildings E-1 and E-3 to septic tank with a new cast iron sewers and a new elbow on sewer line at Building E-4 at the U. S. Naval Radio Station, Eureka.

The other bids were

Theo. Johanns, San Francisco	$398.00
Fred J. Maurer & Sons, Eureka	414.10
Herman Lawson, S. F.	487.00
A. Soda & Sons, Oakland	553.00
M. Deslano, San Francisco	559.00

CONTRACT AWARDED

COALINGA, Cal.—Stroud Bros. and Seabrook, Union Ave., Bakersfield, at $21,355.25 awarded contract by Coalinga City Council May 7 for the construction of a complete sewage treatment works and outfall sewer extension.

33—WATERWORKS

FUNDS ASKED

MESA, Arizona—The town of Mesa, Arizona, has applied to the Public Works Administration for $74,100 to finance the construction of water and sewer system.

PLANS BEING PREPARED

SAN MATEO COUNTY, Cal.—Engineer W. G. Frost, Room 15, 220 Third Ave., San Mateo, is preparing plans for a sewer and water system for the horse racing plant to be constructed at Bay Meadows for the California Jockey Club. Cahill Bros., 206 Sansome St., San Francisco, are the general contractors. Bids for the system will be asked in about ten days.

CONTRACT AWARDED

LONG BEACH, Cal.—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, at $1422 awarded contract by the Long Beach City Board of Water Commissioners, May 3, for furnishing 3 pressure tanks and delivering them to the Long Beach Water Department at Wardlow Road and Walnut Ave.

Spec. No. W.D. 20.

CONTRACT REJECTED

SAN JOSE, Santa Clara Co., Cal.—San Jose voters at a special election May 7 rejected a proposed contract with the Water Properties Co., Ltd., by which the corporation was to supply water to the municipality for a term of 30 years. The contract had been accepted by the San Jose City Council and was submitted to the electorate for ratification. The vote was: For, 5751; Against 5997.

BIDS OPENED

MANHATTAN BEACH, Cal.—Identical bids at $2,113.20 were received by the Manhattan Beach City Council May 3 for furnishing and installing in a 16-in. well (No. 4) one direct connected deep well turbine pump with a capacity of 300-gpm, against a total head of 240 ft. The following firms submitted bids: Pacific Pump Co., Submersible Pump Co., Johnson Pump Co. (no check), Peerless Pump Division, Pomona Pump Co., Kimball-Krogh Pump Co., Layne & Bowler Corp., Byron-Jackson Co. (no check), Fairbanks-Morse & Co. and Wintroath Pumps, Ltd.

Alternate bids at $2,263.60 were submitted by Pomona Pump Co., Layne & Bowler and Wintroath Pumps, Ltd.

All bids held under advisement until May 17.

BONDS VOTED

GILROY, Cal.—A bond issue of $29,000 was voted at a special election at Gilroy May 7 to complete financing of improvements to the municipal water works, which will cost $38,000. The PWA has allotted $37,000 to the City for the project. The vote on bonds was 699 to 110.

34—PARKS AND PLAYGROUNDS

BIDS OPENED

SAN FRANCISCO.—Maguire & Musante, Sonora, at $2,750, submitted the low bid to Public Utilities Commission for fencing for Priest and Moccasin reservoirs; H.H.W.S. Contract No. 148.

Following bids received:

Maguire & Musante, Sonora.....$2,750

Bids held under advisement.

A. Soda & Son, Oakland..... 2,787

B. A. Howkins, San Francisco..... 6,814

BIDS OPENED

BENTON FIELD, Alameda Co., Cal.—Identical bids at $7717 (item 1) and $6255 (item 2) were submitted by the following firms to the Constructing Quartermaster, Fort Mason, for furnishing and installing 4660 lin. ft. of chain link fence at Benton Field Air Depot, Alameda:

(1) Work complete in accordance with paragraph No. 2, Addendum No. 1.
(2) Do, No. 3, Addendum No. 1.
(3) Do, No. 4, Addendum No. 1.
(4) Do, No. 5, Addendum No. 1
(5) Do, No. 6, Addendum No. 1.

Pittsburg Steel Co.
Stewart Iron Works.
Trask & Squires.
Western Steel & Wire Works.
Munthe Equipment Co.
Wayne Iron Works.
Anchor Post Fence Co. of California
Michel & Pfeffer Iron Works.
Standard Fence Co.
West Coast Wire & Iron Works.
Wickwire Spencer Co.
Pacific Fence Co.
California Wire Cloth Co.

The Armour Fence Co., New Jersey did not bid on items 1 and 2 but submitted a bid at $7998 (item 3; $5900 (item 4), and $4724 (item 5).

The name of the Wickwire Spencer Co., was drawn and contract will probably be awarded to them.

BIDS WANTED

OAKLAND, Cal.—Until May 18, 5:30 P. M., bids will be received by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing fencing materials to be delivered to the Corporation Yard, 21st and Adeline Sts., Oakland. Quantities follow:

(1) 3,600 lin. ft. 2-in. mesh, 72-inches high, No. 2 chain link fence:
(2) 300 line posts;
(3) 18 corner posts;
(4) 6 gates posts;
(5) 7200 lin. ft. tension wire with 24 turnbuckles;
(6) 10,800 lin. ft. 4-point barbed wire.

Informal Proposal No. 524.

BIDS WANTED

LAS VEGAS, Nevada — Until June 15, bids will be received by the Custodian, U. S. Post Office, Las Vegas, for seeding and planting grounds at the Post Office, Las Vegas, Nevada.

BIDS WANTED

SAN YSIDRO, San Diego Co., Cal.—Until May 21, bids will be received by the Custodian, U. S. Post Office, San Ysidro, for planting and seeding grounds at the Post Office, San Ysidro.

BIDS WANTED

BINGHAM CANYON, Utah—Bids are being received by the Custodian, Bingham Canyon Post Office for planting and seeding grounds at the U. S. Post Office, Bingham Canyon, Utah.

BIDS WANTED

ST. JOHNS, Oregon—Bids are being received by the Custodian St. Johns Post Office for seeding and planting grounds at the Post Office, St. Johns, Oregon.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

PIMA, Ariz.—Copper Cities Lime & Stone Const. Co., Miami, Ariz., at $7,405 awarded contract by the Arizona State Highway Commission, Phoenix, May 1 for highway construction on the Geronimo-Solomonville Highway, N. R. M. 63-A (AFE 521). The work lies entirely within the town limits of Pima and consists of widening the present pavement and lengthening one culvert and is to be completed on or before June 30.

CONTRACT AWARDED

SKAGIT COUNTY, Wash.—A. Del Guzzo, 3702 Ida St., Seattle, at $71,014 awarded contract by the Skagit County Commissioners for construction of Deception Pass Road, Secondary Highway Project 9.

CONTRACT AWARDED

ARIZONA STATE.—Lee Moor Contracting Co., El Paso, Texas, at $86,583.49 awarded contract by the Arizona State Highway Commission May 1 for highway construction on the Prescott-Jerome Highway, NRS 19-A and 19-B. The work, which begins at the Ashfork - Jerome Highway junction and extends northeasterly towards Jerome approximately 9.25 miles, consists of grading, draining, and placing base course and road mix.

CONTRACT AWARDED

INYO COUNTY, Cal.—Square Oil Co. Inc., 916 Adobe St., Los Angeles, at $3,843 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 18.3 miles in Inyo County between Death Valley National Monument and Death Valley Junction. Complete bids published on April 24.

CONTRACT AWARDED

MODOC CO., Cal.—Larsen Brothers, 5200 21st St., Sacramento, at $76,881 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with crushed gravel or stone about 2.7 miles in Modoc County between Lakeview Rd. and Cedarville.

Complete bids published April 26.

CONTRACT AWARDED

INYO COUNTY, Cal.—C. W. Wood, P. O. Box 444, Blythe, and L. C. Pulley, 1209 Hoffman Ave., Long Beach, at $7,442 awarded contract by State Highway Commission, Sacramento, for treating with fuel oil about 32.9 miles in Inyo County between one mile west of Lone Pine and the east end of Zinc Hill grade.

Complete bids published April 24.

BIDS WANTED

SAN DIEGO COUNTY, Calif.—Until May 15, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. E. Wallace, District Engineer, Union Bldg., San Diego, for treating with fuel oil about 47.3 miles in San Diego County between Bonsall and Rincon and between Morettis and the north boundary of San Diego County. The work requires 6630 barrels of heavy fuel oil.

Plans and specifications obtainable from the above office. (XI-S.D.-195 & 78-B, C. & D-E).

CONTRACT AWARDED

KERN COUNTY, Cal.—C. W. Wood, P. O. Box 444, Blythe, and L. C. Pulley, 1209 Hoffman Ave., Long Beach, at $1,833 awarded contract by State Highway Commission, Sacramento, for treating with asphaltic road oil about seven miles in Kern County between Mojave and 7 miles northwesterly.

BIDS WANTED

STATE OF OREGON.—Until May 17 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, 3rd floor Auditorium, Public Service Bldg., 6th and Salmon Sts., Portland, for highway construction as follows:

Jackson Co.—Roadbed Widening, Etc.

Agate-Litle Butte Creek section of

rater Lake Highway, National Re-
overy Projects NRS 47-A and NRS
'-B.; 3.54 miles roadbed widening, re-
rfacing and penetration type bitumi-
ous macadam. The work involves:
) 10,600 cu. yds. excavation;
) 11,200 cu. yds. gravel surfacing;
) 41,500 sq. yds. bit. macadam using
crushed gravel aggregates;

Lane County—Landscaping Project

Pacific-McKenzie Highway junction
ndscaping project on the McKenzie
ighway, National Recovery Project
RH 117-B. The work involves:
) 250 cu. yds. excavation;
) 420 lin. ft. concrete curb;
) 270 cu. yds. plant bed top soil;
) 40 cu. yds. crushed gravel surf.;
) furnish and plant 240 shrubs and
330 ground cover plants.

Multnomah County—Widen and Resurface Pavement

Halsey Street-Clinton Street Section
' 82nd Ave. in the City of Portland;
ational Recovery Projects Nos. NRM
9-D and NRH 199-E; 2.13 miles of
avement widening and resurfacing.
he work involves:
) 20,500 lin. ft. concrete curbs;
) 31,700 sq. yds. Port. cem. concrete
pavement;
) 5,500 sq. yds. Port. cem. concrete
pavement base;
) 28,000 sq. yds. asph. conc. wearing
surface;
) 15,000 sq. yds. rock shoulders.

ultnomah County—Grading & Paving

Union Avenue-Columbia Blvd. Sec-
on of Lombard Street in Portland;
tate project, 3,720 lin. ft. grading and
aving. The work involves:
) 18,300 cu. yds. excavation;
) 8,500 sq. yds. Port. cem. concrete
pavement;
) 1,800 cu. yds. rock or gravel shoul-
ders.

herman County—Guard Fence Proj.

Deschutes River - John Day River
uard Fence Project on Columbia riv-
' Highway; State project. Requires
onstruction of approximately 11,500
n. ft. of guard fence, and furnishing
nd installing 320 sight posts.

Plans and specifications obtainable
om the State Highway Commission,
oom 322, State Office Bldg., Salem,
pon deposit of $5.00 per set.

ONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.
-Meyer Rosenberg, 1755 San Bruno
ve., San Francisco, at $5,400 award-
d contract by Constructing Quarter-
aster, Hamilton Field, for excavating
nd hauling 20,000 cu. yds. of unclassi-
ed material. [illegible]

ONTRACT AWARDED

ALAMEDA COUNTY, Cal.—Heafey
loore Co., 344 High St., Oakland, at
110,275 (asphalt concrete) awarded
ontract by the State Highway Com-
nission, Sacramento, for grading and
aving about 1.1 miles in Alameda
ounty, between San Leandro and
akland.

IDS OPENED

BENTON AIR FIELD, Cal.—Meyer
osenberg, 1755 San Bruno Ave., San
rancisco, at $47,960 ($0.89 per cu. yd.)
ubmitted low bid to the Constructing
uartermaster, Fort Mason, for grad-
ng runways and placing rock under
ll on units 3 and 4 at Benton Field
ir Depot, Alameda. (52,000 cu. yds.)
Complete bids follow. (1) per cu.
d.; (2) total:
Meyer Roseberg, San Francisco, (1)
$.89; (2) $47,960.
. Catucci, Oakland (1) $0.92; (2)
$47,970.
Heafey-Moore Co., Oakland, (1) $1.25;
(2) $59,860.

IDS OPENED

VALE, Oregon — Morrison Knudsen
o., Boise, Idaho, at $14,552 submitted
low bid to the U. S. Bureau of Reclamation, Vale, Oregon, under Specification No. 613-D, for the construction of the relocated county road around Agency Valley Reservoir, Vale.

Hinman Bros., Denver, Colorado, at $15,509 submitted only other bid. Both bids held under advisement.

CONTRACT AWARDED

SANTA CRUZ COUNTY, Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $179,222 awarded contract by the State Highway Commission, Sacramento, for surfacing with bituminous macadam and bituminous surfacing, all to be placed on crusher run base on about 6.7 miles in Santa Cruz County between 1 mile north of Inspiration Point and Scotts Valley.

AWARD

LASSEN AND MODOC COUNTIES, Cal. — C. F. Fredericksen & Sons, Lower Lake, at $23,862 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 92.2 miles in Lassen and Modoc Counties, between Litchfield and Alturas.

BIDS WANTED

TULARE COUNTY, Cal.—Until May 29, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for bituminous surface tratment of Sections D3 and D4 of Route 1, the Generals Highway, Sequoia National Park and Section A of the General Grant-Sequoia Park Approach Road, Tulare County. The work requires:

(1) 200,000 gals. furnishing and applying liquid asphaltic road material, Type SC-2.

Plans and specifications obtainable from above office upon deposit of $10. C. H. Sweetser, District Engineer.

BIDS WANTED

TILLAMOOK COUNTY, Oregon—Until May 17, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium on the Third Floor of the Public Service Bldg., 6th and Salmon Sts., Portland, for construction of 1.28 miles highway roadbed and 66 lineal feet treated timber trestle on the Austin Creek-Upper Yach Bridge Section of Little Nestucca Secondary Highway, in Tillamook County. State Project. The work requires:

(1) 17,300 cu. yds. excavation;
(2) 3300 cu. yds. rock topping.

Plans and specifications obtainable from State Highway Commission, Rm. 322, State Office Bldg., Salem, Oregon, upon deposit of $5 per set.

CONTRACT AWARDED

PLUMAS COUNTY, Cal. — C. F. Fredericksen & Sons, Lower Lake, at $23,151 awarded contract by the State Highway Commission, Sacramento, for treating with oil about 102.2 miles in Plumas County, between Rich and Quincy, between the westerly boundary and Quincy, between Keddie and Chester, and btween Blairsden and the Sierra County Line.

AWARD

NEVADA & SIERRA COUNTIES, Cal.—Tiffany Constr. Co., 535 N. 7th St., San Jose, at $8829 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 7 miles in Nevada County between Truckee and Hobart Mills; 8.2 miles in Sierra County between Sierraville and Calpin; and 17.9 miles in Sierra County between Sierra City and junction of State Highway Route 25 and Route 83.

CONTRACT AWARDED

GRAND COULEE, Wash.—Crick & Kuney, Realty Bldg., Spokane, Wash., at $220,676.50 (Sched. 1) and E. H. Newell & Co., Board of Trade Bldg., Portland, at $8,580 (Sched. 3) awarded contracts by the Bureau of Reclamation, Spokane, for grading and structures for highway, head of Grand Coulee to Columbia river bridge, and construction of railroad, head of Grand Coulee to Grand Coulee dam site, and grading for streets in government camp site, Columbia Basin Project; Spec. No. 569.

COMPLETE BIDS

INYO COUNTY, Cal.—C. W. Wood, P. O. Box 444, Blythe and L. C. Pulley 1209 Hoffman Ave., Long Beach, at $2,004.50, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. W. Lowden, Acting District Engineer, Bishop, for treating with heavy fuel oil about 10.8 miles in Inyo Co. between Southern Sierras Power Plant No. 4 and Camp Sabrina. Complete bids follow:

C. W. Wood, Blythe, and L. C. Pulley, Long Beach.....$2,004.50
Gilmore Oil Co., Los Angeles.. 2,346.50
Paulsen & March, Inc., L. A..... 2,973.50

The work requires 950 barrels of

NEW BIDS ASKED

LOS ANGELES, Cal.—Until May 14, 10 A. M., new bids will be received by the Los Angeles Board of Public Works for the construction of a storm drain in a portion of Macy St., between the Los Angeles river and a point 173 ft. west of avila St., to serve the Union Passenger Terminal Station; P.W.A. Project No. 4361, Unit No. 1.

Bids were originally opened April 18 and rejected May 2. The low bidder at that time was R. E. Campbell, 711 Central Building, Los Angeles, at $203,976.01.

Plans and specifications obtainable from the above office.

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RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

BIDS OPENED

COCONINO COUNTY, Ariz.—Identical bids at $14 per ton for MC-1 and $12.50 per ton for MC-4 or MC-5 were submitted to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for furnishing 317 tons MC-1 liquid asphaltic road material, and 1,637 tons of MC-4 or MC-5 liquid asphaltic road material. Bids were offered by the following firms: Shell Oil Co., San Francisco; Union Oil Co., Los Angeles, Richfield Oil Co., Los Angeles, and Gilmore Oil Co., Los Angeles.

The total bids were $4,438 for MC-1 and $20,462.50 for MC-4 or MC-5.

All bidders specified that if lower prices prevailed at the time of delivery, the Government would receive the benefit of the reduction. All bids fob Bakersfield.

BIDS WANTED

STATE OF WASHINGTON.—Until May 22, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for highway construction as follows:

King County—Paving

Paving with Portland cement concrete about 0.9 mile of State Road No. 2, Fall City to Redmond Paving Gaps, FPW Project 6344, in King County.

Chelan Co.—Surfacing & Stockpiling

Surfacing with crushed stone and stockpiling crushed stone surfacing and oil rock materials on about 9 mi. of State Road No. 2, end of pavement at Peshastin Creek to Ingall's creek, FPW Project 7755, in Chelan County, involving:

(1) 21,700 cu. yds. ballast;
(2) 23,650 cu. yds. crushed stone surf. and oil rock materials;
(3) other items.

Columbia and Garfield Counties—Bituminous Mat

Constructing a bituminous mat by the bituminous macadam method on about 3.3 miles, and by the road mix method on about 0.5 mile and constructing a bituminous seal coat on about 26.4 miles of State Road No. 3, end of pavement north of Dayton to Pomeroy, Unit 2 of FPW Project 7726, in Columbia and Garfield counties, involving:

(1) 325 tons bituminous cement cutback asphalt RC-4;
(2) 230 bbls. bituminous cement SC-2 road oil;
(3) other items.

Whitman County—Bituminous Mat

Constructing a bituminous mat by the road mix method on about 9.4 mi. of the Inland Empire Highway, Eastern Route, junction State Road No. 3 to Oakesdale, and constructing a bituminous mat by the bituminous macadam method on about 8.5 miles of the Inland Empire Highway, Eastern Route, Idaho State Line to Colton, Unit 2 of FPW Project No. 7748, in Whitman County, involving:

(1) 3,500 bbls. bituminous cement SC-2 road oil;
(2) 715 tons bituminous cement cutback asphalt RC-4;
(3) other items.

Pacific County—Surfacing

Surfacing with crushed stone about 6.2 miles of State Road No. 12, South Bend to Bruceport, Unit 1 of FPW Project No. 7712, in Pacific County, involving:

(1) 13,290 cu. yds. crushed stone surf.;
(2) 33,660 cu. yds. ballast;
(3) other items.

Pacific County—Surfacing

Surfacing with crushed stone about 4.9 miles of State Road No. 12, Bruceport to Palix River, Unit 2 of FPW Project No. 7712, in Pacific County, involving:

(1) 10,440 cu. yds. excavation;
(2) 33,750 cu. yds. ballast;
(3) 11,830 cu. yds. crushed stone surf.;
(4) 340 lin. ft. drain tile;
(5) 63 lin. ft. pipe culverts;
(6) other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

BIDS WANTED

ST. HELENA, Napa Co., Cal.—Until May 15, 8 P. M., bids will be received by E. R. Palmer, City Clerk, at his office in the City Hall, for furnishing oil and oiling certain streets to be designated by the City Council. Specifications obtainable from the City Clerk. City Engineer John A. Mitchell prepared the specifications and work must be done in accordance with the same. 29

LOW BIDDERS

COCONINO COUNTY, Arizona—New Mexico Const. Co., P. O. Box 592, Albuquerque, N. M., at $125,109.60 submitted low bid and recommended for award by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a bituminous treated crushed rock surfacing on Section H of Grand Canyon Route 1, all of Grand Canyon Route 10, and Sections A, B, and C of the Camerion-Desert View approach to Grand Canyon National Park, Coconino County, a length of 17.546 miles.

Theo. Herz & Co., San Bernardino, at $128,854.45 submitted second low bid and Central States Cont. Co., Oakland, at $142,424.50 submitted third low bid.

Engineer's estimate, $111,139.75.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until May 31, 2 P. M., bids will be received by the State Highway Engineer Room 808, State Building, Los Angeles (to be opened in Room 706) for treating with heavy fuel oil about 41.1 miles of roadbed and shoulders, and applying bituminous treatment to shoulders at various locations in Los Angeles County.

The work requires:

(1) 146 tons asphaltic road oil;
(2) 2,650 tons screenings;
(3) 29,600 sq. yds. mixing fuel oil and roadbed material;
(4) 247,000 sq. yds. mixing fuel oil and shoulder material;
(5) 11,060 bbls. heavy fuel oil.

Plans and specifications obtainable from the office of the State Highway Engineer, Public Works Bldg., Sacramento, and are on file at the offices of the District Engineer at Los Angeles and San Francisco.

BIDS WANTED

LOS ANGELES & ORANGE COS. Cal.—Until May 31, 2 P. M., bids will be received by the State Highway Engineer, Room 808 State Bldg., Los Angeles, (to be opened in Room 706) for 34.6 miles in length of roadbed and shoulders to be treated with heavy fuel oil and shoulders to be treated with bituminous seal coat at various locations in Los Angeles and Orange Counties. The work involves

(1) 106,600 sq. yds. preparing surface;
(2) 134 tons asphaltic road oil;
(3) 1336 tons screenings;
(4) 170,500 sq. yds. mixing fuel oil and shoulder material;
(5) 46,500 sq. yds. mixing fuel oil and shoulder material;
(6) 6050 bbls. heavy fuel oil.

Plans and specifications obtainable from the State Highway Engineer's Office, Public Works Bldg., Sacramento, and on file at the office of the District Engineers at San Francisco and Los Angeles.

CONTRACT AWARDED

LOS ANGELES, Cal.—Southern California Roads Co., 2415 E. 25th St. Los Angeles, at $273,499.21 awarded contract by the Los Angeles Board of Public Works May 7 for the improvement of Sepulveda Blvd. between Ventura Blvd. and Beverly Blvd.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening May 16.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue line prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened May 16:

VI - Ker-58-D Haypress Canyon to Bear Mt. Ranch, Plans: (No of sheets) 18, (cost) $1.80; Cross Sections: (No. of sheets) 87, (cost) $8.70; total $10.50.

VII-L.A.-60-D Tor, between Redondo Beach and Western Ave., Redon- (No. of sheets) 35, (cost) $31.50; Cross Sections, (No. of sheets) 109, (cost) $10.90, total, $14.40.

VII-L.A-Ora - 174 - B, A Manchester Ave. between Cerritos Ave., Downey and Artesia Ave., Buena Park, Plans: (No. of sheets) 47, (cost) $4.70; Cross-sections: (No.of sheets), 119, (cost) $11.90; total $16.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the orderto that office.

May 10, 1934

BIDS WANTED

MONTEREY COUNTY, Calif.—Until May 21, 2 P. M., bids will be received by the Department of Public W'ks, Division of Highways, L. H. Gibson, District Engineer, District V, 50 Higuera St., San Luis Obispo, for applying fuel oil and mixing on the existing shoulders a distance of 2.6 mi. between Monterey and Seaside road; 7.6 miles fuel oil to be applied ae a dust palliative between Salinas and Castroville; and 11.3 miles fuel oil to be applied as a dust palliative to the existing shoulders between Castroville and Watsonville.

The above locations are all in Monterey County. Plans and specifications are obtainable from the above office.

BIDS WANTED

SAN BENITO COUNTY, Cal.—Until May 22, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, District V, 50 Higuera St., San Luis Obispo, for 11.7 miles oil treatment to be applied to the existing roadbed in San Benito County from 2.0 miles south of the San Benito river crossing to 3.5 miles north of the San Benito river crossing and from 1.0 mile south of Paicines to Tres Pines.

Plans and specifications obtainable from the above office.

BIDS WANTED

MONTEREY COUNTY, Calif.—Until May 21, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, District V, 50 Higuera St., San Luis Obispo, for applying fuel oil as a dust palliative to the shoulders on each side of the existing pavement on 15.1 miles in Monterey County from King City to San Ardo.

Plans and specifications obtainable

IDS WANTED

LOS ANGELES COUNTY, Cal.—Un-l May 31, 2 P. M., bids will be re-eived by the State Highway Engineer oom 808, State Building, Los Ange-s (to be opened in Room 706) for rading and paving with asphalt con-rete or asphalt concrete and Portland ement concrete about 2.0 miles in the ity of Los Angeles between westerly ty limits and Wilmington Boulevard. he work involves:

1) 104 stations clear and grub right of way;
2) 82,000 cu. yds. rdwy. excav., unclassified;
3) 790,000 sta. yds. overhaul;
4) 51,000 cu. yds. imported borrow;
5) 5,200 cu. yds. structure excav.;
6) 53,000 sq. yds. subgrade for pave.;
7) 1,500 sq. yds. asph. paint binder;
8) 3,050 tons asph. concrete, central pave. strip, Sta. 348 plus 04.78 to Sta. 357 plus 50 and irregular areas on street intersections;
9) 1,730 cu. yds. Class A Port. cem. conc. curbs, gutters, sidewalks, and driveways;
10) 630 cu. yds. Class A Port. cement concrete structures;
11) 100 cu. yds. Class C do;
12) 41,200 lbs. bar reinf. steel struc.;
13) 12,500 lbs. misc. iron and steel structures;
14) 220 lin. ft. 12-in. CMP;
15) 120 lin. ft. 24-in. CMP;
16) 20 lin. ft. 15-in. standard reinf. concrete pipe;
17) 2,130 lin. ft. 18-in. do;
18) 200 lin. ft. 21-in. do;
19) 280 lin. ft. 30-in. do;
20) 310 lin. ft. 36-in. do;
21) 130 lin. ft. 39-in. do;
22) 900 tons broken stone culvert foundations;
23) 140 cu. yds. removing and disposing of concrete;
24) 3,300 M. gals. water;
25) 2,100 bbls. fuel oil shoulders;
26) 40,100 sq. yds. prepare, mix and shape shoulders, oil treatment;
27) 55 tons asph. road oil seal coat;
28) 48 lin. ft. solid timber guard rail;
29) 104 sta. finish roadway.

ALTERNATIVE A

30) 19,450 tons asphalt concrete pave.

ALTERNATIVE B

31) 8,750 cu. yds. Class A Portland cement concrete pavement;
32) 197,000 lbs. bar reinf. steel pave.

NOTE: Alternative A sets for the necessary item for paving the central pavement strip from Sta. 285 plus 42.-8 to Sta. 343 plus 04.78 and from Sta. 57 plus 50 to Sta. 387 plus 85.40 and paving the central pavement strip and various irregular areas on intersecting streets with asphalt concrete.

Alternative B sets for the necessary items for paving the same portions with Portland cement concrete. The contract may be awarded on the basis of paving the said portions with either asphalt concrete or Portland cement concrete at the option of the Department of Public Works.

Plans and specifications obtainable from the office of the State Highway Engineer, Public Works Bldg., Sacramento, and are on file at the offices of the District Engineer at Los Angeles and San Francisco.

BIDS REJECTED

MONROVIA, Cal.—All bids for improving Fifth Ave. between Huntington Blvd. and Foothill Blvd. were rejected by the Monrovia City Council May 7. The work will be done by force account under the direction of Garth Duell, City Engineer. The work involves about 2,000 tons of rock and about 500 bbls. of asphaltic road oil. The bids were:

Larsen & McCarthy, Pasadena....$8,809
E. O. Nelson, Pasadena..... 9,303
Underground Const. Co., Pasadena 9,986

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Gibbens & Reed, 221 E. San Fernando Blvd., Burbank, at $137,002.74 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for grading Section B of Route 63, the Swarteut National Forest Highway, Angeles Nat'l. Forest, Los Angeles County. The length of the project was shortened to 1.586 miles.

CONTRACT AWARDED

MARIN COUNTY, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $26,-831 awarded contract by State Highway Commission, Sacramento, for bituminous surface treatment and asphaltic seal coat to be applied to about 14.6 miles in Marin County bet. Stinson Beach and Marshall.

Complete bids published April 26.

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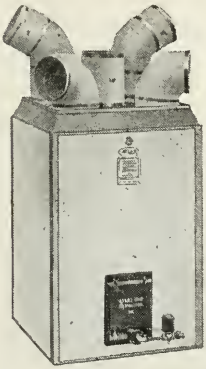

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Rock-Sand-Gravel-Plaster
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UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

WHITE PINE CO., Nev.—22.85 Mi. Grade and Surf.—(State)

WHITE PINE COUNTY, Nevada—Isbell Construction Co., Carson City, Nevada, at $164,300.95, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, April 30, for construction of a portion of the State Highway System in White Pine County between 34 mi. and 11 mi. southwest of Ely, a length of 22.85 mi.; Route 4, Sections A2 and A4, involving:

(1) 100 acres clear and grub;
(2) 182,800 cu. yds. rdwy. excav.;
(3) 132,356 stafl yds. overhaul;
(4) 31,037 cu. yds. select borrow;
(5) 2200 cu. yds. struc. excav.;
(6) 22,85 mi. subgrade;
(7) 65,200 cu. yds. cru. gravel or stone surface;
(8) 106 cu. ydsfl Class A concrete;
(9) 219 cu. yds. Class B concrete;
(10) 15,600 lbs. reinf. steel;
(11) 100 lin. ftfl 8-in. C.M.P.;
(12) 458 lin. ft. 18-in. C.M.P.;
(13) 1760 lin. ft. 24-in. C.M.P.;
(14) 110 lin. ft. 30-in. C.M.P.;
(15) 308 lin. ft. 36-in. C.M.P.;
(16) 64 lin. ft. 48-in. C.M.P.;
(17) 45 cu. yds. handraid riprap (grouted);
(18) 26.2 MFBM redwood;
(19) 300 lin. ft. remove water pipe;
(20) 150 lin. ft. relay water pipe;
(21) 10,176 lin. ft. construct fence;
(22) 3285 lin. ft. remove fence;
(23) 445 lin. ft. reconstruct fence;
(24) 111 monuments;
(25) 22.86 mi. finish roadway;
(26) 4 wooden diversion boxes;
(27) 300 lin. ft. 8-in. Pref. underdrain;
(28) 50 cu. yds. gravel backfill.

Complete bids follow:

(A) Isbell Constr. Co., Carson City, $164,300.95.
(B) Dodge Constr. Co., Inc., Fallon, $167,984.23.
(C) Gibbons & Reed, Salt Lake City, $173,469.96.
(D) Olof Nelson, Logan, Utah, $198,963.53.
(E) N. M. Ball, Berkeley, Cal., $207,479.43.
(F) Engineer's Estimate, $166,138.99.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 30.00	$ 25.00	$ 15.00	$ 40.00	$ 50.00	$ 20.00
(2)	.35	.37	.37	.45	.45	.35
(3)	.02	.03	.03	.03	.03	.02
(4)	.33	.30	.38	.50	.60	.35
(5)	1.00	1.00	1.00	1.00	1.00	1.00
(6)	100.00	100.00	100.00	100.00	150.00	100.00
(7)	.69	.70	.75	.85	.85	.75
(8)	32.00	27.50	30.0$	30.00	32.00	30.00
(9)	32.00	25.00	30.00	28.00	32.00	28.00
(10)	.065	.08	.07	.07	.08	.07
(11)	1.25	1.25	1.25	1.00	1.75	1.25
(12)	2.10	2.00	2.10	2.00	2.15	2.00
(14)	3.80	3.50	3.80	4.00	4.00	4.00
(15)	5.40	5.00	5.50	6.50	6.00	5.00
(16)	9.00	9.00	7.50	10.00	9.00	7.00
(17)	6.00	5.00	5.00	5.00	4.00	4.00
(18)	120.00	125.00	120.00	110.00	120.00	110.00
(19)	.50	.50	.10	.50	.20	1.00
(20)	.25	1.00	.15	.50	.50	.60
(21)	.12	.15	.12	.10	.10	.12
(22)	.05	.03	.02	.04	.05	.02
(23)	.05	.10	.08	.10	.10	.08
(24)	3.50	3.00	3.00	5.00	3.00	3.00
(25)	100.00	150.00	150.00	100.00	150.00	100.00
(26)	25.00	25.00	35.00	20.00	20.00	20.00
(27)	1.50	2.00	1.25	1.00	2.00	2.00
(28)	1.50	1.00	1.25	2.00	1.00	.75

MERCED COUNTY—COX FERRY BRIDGE—(STATE)

MERCED CO., Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $10,935 submitted low bid to the State Highway Commission, Sacramento, for removing existing timber trestle spans and construction of one 120-ft.truss span and five steel beam spans on timber pile bents across Merced River at Cox Ferry, Merced County.

The work involves:

(1) 1 lot existing timber spans to be removed and disposed of;
(2) 1,500 lin. ft. furnish redwood piles, including test piles;
(3) 41 each driving do;
(4) 34 MFBM redwood timber, dense, select, all heart struc. grade;
(5) 22 MFBM redwood timber, select, all heart struc. grade;
(6) 21,500 lbs. new struc. steel;
(7) 115,000 lbs. salvaged struc. steel;
(8) 1 lot misc. items of work.

The total bids follow:

(A) M. A. Jenkins, Sacramento, $10,935.00.
(B) E. T. Lesure, Oakland, $11,209.00.
(C) Parish Bros., Hollywood, $11,443.40
(D) Thomas J. Doyle, San Francisco, $12,137.00.
(E) Alfred H. Vogt Co., Inc., San Francisco, $12,963.00.
(F) Nelson & Wallace, Escalon, $13,445.00.
(G) M. B. McGowan, Inc., San Francisco, $14,706.00.
(H) Bundesen & Lauritzen and Delta Dredging Co., Pittsburg, $19,404.20.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$400.00	$392.00	$700.00	$500.00	$400.00	$450.00	$2500.00	$2200.00
(2)	.45	.49	.48	.40	.50	.48	.35	.51
(3)	30.00	16.00	16.00	40.00	18.00	20.00	50.00	38.50
(4)	70.00	89.00	86.60	80.00	95.00	75.00	90.00	127.60
(5)	80.00	114.00	86.60	80.00	110.00	75.00	90.00	134.75
(6)	.07	.069	.07	.065	.06	.07	.06	.06
(7)	.02	.0135	.0242	.025	.03	.045	.02	.044
(8)	475.00	589.00	265.00	40 4.50	400.00	350.00	731.00	825.00

COMPLETE BIDS

LAKE COUNTY, Cal.—Basalt Rock Co., Inc., Napa, at $4,827.90, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey District Engineer, Eureka, for treating with fuel oil about 20.2 miles in Lake County between Middletown and Lower Lake Road. Complete bids follow:

(A) Basalt Rock Co., Napa.....$4,827.90
(B) C. Kuppinger, Lakeport.....4,960.90
(C) C. F. Fredrickson & Sons, Lower Lake 5,652.50
(D) M. W. Prather, Lakeport 6,131.30
(E) Helwig Const. Co., Sebastopol 6,384.00

Unit quantities and bids follow:

(1) 1330 barrels heavy fuel oil;
(2) 1330 bbls. light fuel oil.

	(A)	(B)	(C)	(D)	(E)
(1)	$1.93	$1.94	$2.20	$2.38	$2.47
(2)	1.73	1.79	2.05	2.23	2.33

Bids hel dunder advisement.

BIDS OPENED

KERN COUNTY, Cal.—C. W. Wood, Box 1435, Stockton, and L. C. Pulley, 1209 Hoffman Ave., Long Beach, at $15,576.50 submitted low bid to the State Highway Commission, Sacramento, for treating with fuel oil about 15.8 miles in Kern County between the westerly boundary and 6.6 miles west of McKittrick, and between the junction of State Highway Route 58 and State Highway Route 144 and the State Insittution for Women. Total bids follow

(A) C. W. Wood, Stockton and L. C. Pulley, Long Beach, $15,576.50.
(B) John Jurkovich, Fresno, $15,600.
(C) George K. Thompson, Los Angeles, $16,940.

Unit bids follow:

(1) 5500 bbls. heavy fuel oil (A) $1.683; (B) $1.40; (C) $1.50.
(2) 5.8 mi. mixing and shaping oil treated material (A) $400; (B) $500; (C) $550.

BIDS OPENED

TULARE AND KINGS COUNTIES, Cal.—Tiffany Constr. Co., 535 N. 7th St., San Jose, at $14,247.50 submitted low bid to State Highway Commission, Sacramento, for treating with fuel oil about 43.5 miles in Tulare and Kings Counties, between Springville and Camp Belson and between Corcoran

(A) Tiffany Constr. Co., San Jose, $14,247.50.
(B) Oilfields Trucking Co., Bakersfield, $16,000.25.

Unit bids follow:

(1) 5350 bbls. heavy fuel oil, (A) $1.85; (B) $1 58.
(2) 43.5 miles preparing roadbed (A) $100; (B) $173.50.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Chas. Kuppinger, Box 356, Lakeport, at $16,055 submitted low bid to the State Highway Commission, Sacramento, for treating with fuel oil about 51.1 miles in Mendocino county between Gualala and Mendocino. Total bids follow:

(A) Chas. Kuppinger, Lakeport, $16,055.00.
(B) Helwig Const. Co., Sebastopol $16,639.60.
(C) Basalt Rock Co., Napa, $17,609.80.

Unit bids follow:

(1) 3,380 bbls. light fuel oil, (A) $2.30; (B) $2.36; (C) $2.53.
(2) 3,380 bbls. heavy fuel oil, (A) $2.45; (B) $2.56; (C) $2.68.

COMPLETE BIDS

ORANGE COUNTY, Cal.—Gogo and Rados, 10,024 S. Figueroa Street, Los Angeles, at $13,397.18 as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, 808 State Bldg., Los Angeles, for placing 26.5 miles of bituminous seal coat in Orange County between Doheny Park and Gallivan, and between Irvine and Tustin. Bids were taken as follows:

(1) 229,170 sq. yds. prepare surface, spread asph. road oil and screenings, shape and roll;
(2) 215 tons furnish and haul asphaltic road oil (Location A);
(3) 74 tons do (Location B);
(4) 2125 tons do screenings (Loc. A);
(5) 730 tons do (Location B).

Complete bids follow:

(A) Gogos & Rados, Los Angeles, $13,397.18.
(B) Kovacevich & Price, Southgate, $15,377.70.
(C) Matich Bros., Elsinore, $16,523.53.
(D) Griffith Co., Los Angeles, $16,660.39.
(E) Miracle Co., San Diego, $17,936.99.
(E) Sully-Miller Cont. Co., Long Beach $18,980.90.

Unit prices follow:

	(1)	(2)	(3)	(4)	(5)
(A)	$.004	$17.50	$17.50	$2.60	$2.60
(B)	.01	20.00	19.00	2.70	2.25
(C)	.024	16.15	16.15	2.28	2.07
(D)	.017	18.00	18.00	2.70	2.50
(E)	.0375	11.00	11.00	2.145	2.20
(F)	.035	15.85	15.85	2 26	2.16

All bids held under advisement.

29

CONTRACT AWARDED

APACHE COUNTY, Ariz. — Erastus Skousen, Alpine, Arizona, at $1,807.50 submitted low bid and awarded contract by the U. S. Bureau of Public Roads, Phoenix, May 3, for subgrade reinforcement on 1.576 miles of Springerville-Alpine State Line, Sections I3, J2, Unit 1, Apache National Forest, Apache County. Total bids follow:

(A) Erastus Skousen, Alpine, $1,807.50.
(B) Joe E. Coleman, Springerville, $1,975.00.
(C) Price W. Nelson and T. L. Nelson, Springerville, $2,195.00.
(D) Engineer's estimate, $2,337.50.

Unit quantities follow:

(1) 2,500 cu. yds. sel. material for subgrade reinf.;
(2) 9,750 cu. yds. hauling selected material do.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$0.45	$0.40	$0.41	$0.35
(2)	0.07	0.10	0.12	0.15

29

BIDS OPENED

SAN FRANCISCO — MacDonald & Harrington, Ltd., 16 California St., San Francisco, at $17,980 submitted low bid to T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing 20,000 6-in. x 8-in. x 8-in. No. 1 California Split Redwood Ties for the Hetch Hetchy Project. Complete bids follow:

MacDonald & Harrington, Ltd., San Francisco	$17,980
Gamester & Green, S. F.	17,984
J. R. Hanify Co., S. F.	18,048
J. L. Hall, San Francisco	18,240
Henry P. Zill, Westport	18,800
Hobbs, Wall Co., S. F.	18,800
C. J. Pesula, Weott, Calif.	20,750
Christenson Lumber Co., S. F.	21,632
E. K. Wood Lumber Co., S. F.	21,632
Pacific Lumber Co., S. F.	21,632
Charles Nelson Co., S. F.	21,632
A. H. Mahoney, S. F.	21,952

All bids quoted price delivered.
Bids held under advisement.

BIDS OPENED

MARIPOSA COUNTY, Cal.—Granite Constr. Co., Watsonville, at $234,874 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and placing a crushed rock base course on Section A2 and placing a crushed rock base course on Section A3, Route 5, the Wawona Road-Glacier Point Highway, Yosemite National Park, Mariposa County, involving:

(1) 34 acres clearing;
(2) 94,500 cu. yds. unclass. excav.;
(3) 7600 cu. yds. do for borrow;
(4) 500 cu. yds. do for structures;
(5) 168,000 sta yds. overhaul;
(6) 8300 cu. yds. ml. borrow haul;
(7) 352 cu. yds. hand-laid rock embankment;
(8) 240 lin. ft. perforated CMP in place;
(9) 1350 lin. ft. 18-in. C.M.P. asph. dipped in place;
(10) 642 lin. ft. 24-in. C.M.P. asph. dipped in place;
(11) 120 lin. ft. 36-in. C.M.P. (placing Govt. furnished pipe);
(12) 7 cu. yds. concrete;
(13) 500 lbs. reinforcing steel;
(14) 65 cu. yds. masonry;
(15) 60 cu. yds. crushed rock or gravel for backfill;
(16) 0.96 MFBM redwoood planking in place;
(17) 25,700 tons crushed rock base course;
(18) 1500 tons supplemental crushed rock;
(19) 11,000 tons furnishing and stockpiling crushed rock;
(20) Extra work, miscellaneous clearing;
(21) Extra work, obliterating existing roads;
(22) Extra work, maintenanse of roads

Total bids follow:

(A) Granite Construction Co., Watsonville, $234,874.
(B) Granfield-Farrar & Carlin, San Francisco, $268,613.30.
(C) Engineer's Estimate, $205,535.20.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 850.00	$ 800.00	$ 450.00
(2)	1.02	1.35	.95
(3)	.44	.40	.50
(4)	2.50	1.25	1.50
(5)	.015	.02	.02
(6)	.25	.20	.25
(7)	4.00	5.00	4.00
(8)	1.30	1.35	1.50
(9)	2.00	1.85	1.85
(10)	3.00	2.70	2.65
(11)	.75	.75	1.00
(12)	35.00	35.00	40.00
(13)	.07	.08	.10
(14)	23.00	20.00	20.00
(15)	3.50	4.00	4.00
(16)	100.00	100.00	100.00
(18)	2.00	2.60	2.05
(19)	2.60	1.80	1.50
(19)	2.60	1.60	1.50
(20)	3000.00	3000.00	3000.00
(21)	3000.00	3000.00	3000.00
(22)	300.00	300.00	300.00

All bids held under advisement.

BIDS OPENED

FRESNO and Tulare Counties, Cal. Cal.—C. W. Weed, Box 1435, Stockton, and L. C. Pulley, 1209 Hoffman Ave., Long Beach, at $36,818.05 submitted low bid to the State Highway Commision, Sacramento, for treating with fuel oil about 87 miles in Fresno and Tulare counties between Orange Cove road and General Grant National Park, and between Academy and the east end of Huntington Lake. Total bids follow:

(A) C. W. Wood, Stockton, and L. C. Pulley, Long Beach, $36,818.05.
(B) Oilfields Trucking Co., Bakersfield, $37,950.50.
(C) Stewart & Nuss, Fresno, $41,032.00

Unit bids follow:

(1) 9,850 bbls. heavy fuel oil, (A) $2.413; (B) $2.21; (C) $2.62.
(2) 87 miles prepare roadbed, (A) $150; (B) $186; (C) $175.

LOS ANGELES — Sepulveda Blvd. Improvement — (City)

LOS ANGELES, Cal.—Southern California Roads Co., 2145 E. 25th Street, Los Angeles, at $86,371.84, as previously reported, submitted low bid to the Los Angeles Board of Public W'ks, May 9 for improving Sepulveda Blvd. from National Blvd. to Venice Blvd.

Total bids follow:

(A) Southern California Roads Co., $86,371.84.
(B) L. A. Paving Co., Los Angeles, $89,559.44.
(C) United Concrete Pipe Co., L. A., $93,374.48.
(D) Arthur E. Pearson, Venice, $96,706.72.
(E) Kovacevich & Price, Inc., South Gate, $98,037.64.
(F) J. L. McClain, Los Angeles, $98,609.56.
(G) Griffith Co., Los Angeles, $99,875.95
(H) Engineer's estimate, $92,763.10.

Unit quantities follow:

	(A)	(B)	(C)
(1) lump sum, grading	$13,600.00	$18,500.00	$13,500.00
(2) 251,152 sq. ft. 8-in. comp. conc.	.23	.22	.246
(3) 106.643 sq. ft. 2-in. rock & oil rdwy.	.23	.22	.22
(4) 15,623 sq. ft. 4-in. do	.07	.07	.06
(5) 332 sq. ft. 8-in. conc. local dep.	.04	.04	.035
(6) 990 lin. ft. unplastered light curb	.40	.40	.50
(7) 1841 sq. ft. reinf. integral curb & gutter, 1-ft. wide	.70	.75	.90
(8) 11,019 sq. ft. 3-in. cement walk	.22	.20	.25
(9) 350 sq. ft. 6-in. concrete gutter	.11	.12	.13
(10) 225 lin. ft. wooden guard rail	.60	.60	1.00
(11) 671 lin. ft. concrete curtain wall	.50	.50	.70
(12) 86 cu. yds. rock fill	5,500.00	6,000.00	8,000.00
(13) lump sum, sanitary sewer	500.00	600.00	650.00
(14) lump sum, storm drain	.80	.90	1.00
(15) reset 2 manholes	20.00	15.00	200.00

	(D)	(E)	(F)	(G)	(H)
(1)	$18,850.00	$19,000.00	$15,000.00	$16,300.00	$14,157.00
(2)	.245	.25	.265	.265	.258
(3)	.20	.22	.265	.23	.24
(4)	.07	.08	.09	.075	.062
(5)	.04	.04	.05	.04	.031
(6)	.40	.38	.45	.45	.34
(7)	.85	1.00	.85	.85	.63
(8)	.22	.18	.20	.16	.19
(9)	.10	.11	.115	.13	.10
(10)	.60	1.50	1.00	1.00	.75
(11)	.50	.40	.60	.65	.41
(12)	6,553.00	5,500.00	5,500.00	6,400.00	5,575.00
(13)	602.00	800.00	600.00	800.00	660.00
(14)	.86	1.25	1.00	1.00	.75
(15)	20.00	100.00	20.00	15.00	10.00

All bids held under advisement.

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Building and Engineering News

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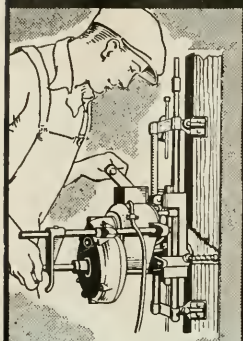
MAY 19, 1934

Vol. XVII—No. 20

WAPPAT Electric TOOLS



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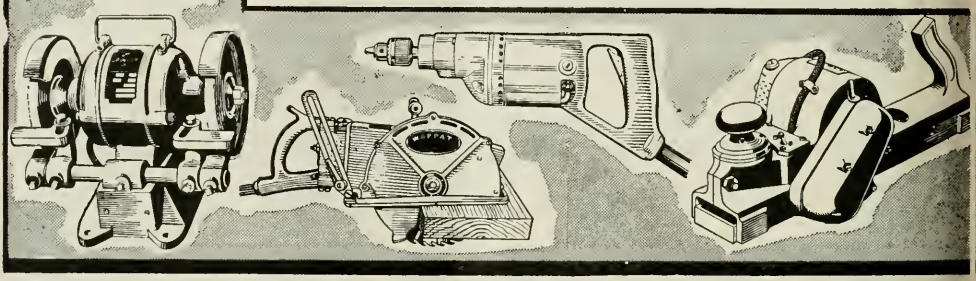

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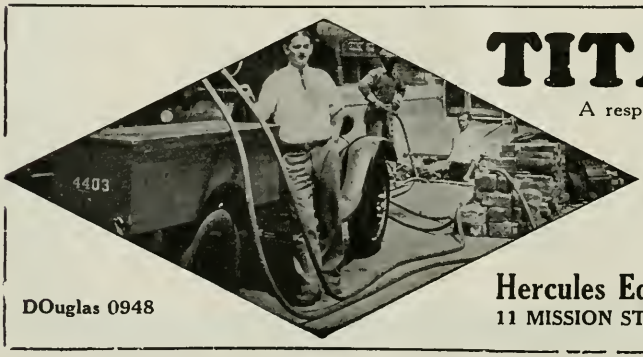

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VALLEY TO VOTE ON $2,683,000 WATER PROJECT

Santa Clara District Plans Construction of Conservation System

Directors of the Santa Clara Valley Water Conservation District have set June 19 as the date for a special election in the district on a bond issue of $2,000,000 with which to finance structures to impound and distribute flood waters for irrigation. The district has applied to PWA for a supplementary grant of $683,000 which it is understood has received approval and will be available if the bonds are approved.

Fred H. Tibbetts of San Francisco is chief engineer for the conservation district and directors of the district have approved his plans for construction of a system of reservoirs in which the winter run-off will be stored to be allowed to precolate into the underground channels during the dry season and restore the valley water table which has been falling rapidly.

Five detention reservoirs are to be constructed, the cost of each being estimated at follows, Coyote, $512,000; Calero, $339,000; Almaden, $214,000; Guadulupe, $330,000; Stevens, $412,000.

Six percolating reservoirs are estimated at $198,000 and five spreading dams at $58,000.

Connecting conduits, including canals and tunnels will cost $324,000.

Work on the project can start very shortly after funds are available, according to directors of the district. LeRoy Anderson of San Jose is president of the district and Herbert C. Jones, attorney.

Construction of the conservation system is being urged as a means of avoiding a threatening water shortage which will pay for itself due to assurance of irrigation and reduced pumping costs.

S. F. COMPANY BIDS KERN JOB

SACRAMENTO, May 16—Contoules Const. Co., San Francisco, submitted the low bid of $106,883 to the State Highway Commission today for grading 6.3 miles in Kern county between Haypress Canyon and Bear Mountain Ranch. Eleven bids were received as follows: Contolues Construction Co., $106,883; J. F. Knapp, $108,410; Gibbons and Reed, $111,013; Griffith Company, $115,311; Union Paving Co., $118,884; Sharp & Fellows Contracting Co., $121,882; Dimmitt & Taylor, $122,914; R. E. Campbell, $128,481; Healy-Tibbitts Construction Co., $130,537; Morrison-Knudsen Co., $147,295; Peninsula Paving Co., $151,970.

(Complete unit price tabulation in Advance Report section.)

So. San Joaquin Contractors' Assn. To Be Organized

Permanent organization of general contractors of Kern, Tulare and Kings counties into a tri-county group is underway following a meeting in Bakersfield last Saturday.

A committee composed of H. C. Evans, Sterling Smith, R. Hodgson and O. D. Williams, Jr., was selected to draft by-laws and present a plan of organization at a meeting to be called by D. J. Turner, acting chairman, who is also secretary of the Bakersfield General Contractors Association. This association contemplates merging with the larger group.

William E. Hague, manager of Central California chapter, Associated General Contractors, attended the Bakersfield gathering and discussed the construction industry code, recommending organization of builders to obtain effective administration.

BIDS RECEIVED IN L. A. ON TWO HIGHWAY JOBS

United Concrete Pipe Corp. Low on Big Southern Paving Contracts

LOS ANGELES, May 17. — Bids were received here today by the State Highway Commission on two grading and paving contracts in Los Angeles and Orange counties on which the low figures will aggregate more than a half million dollars.

The low bid for grading and paving about five miles between Redondo Beach and Wilmington was offered by the United Concrete Pipe Corporation, Los Angeles, at $293,563 for asphaltic concrete paving, and at $309,651 for portland cement concrete paving. Eight bids were received.

United Concrete Pipe also offered the low bid at $234,247 for grading and paving with asphalt concrete 7.9 miles on Manchester Ave. in Los Angeles and Orange counties. The Griffith Company submitted the low bid at $264,936 on the alternate proposals specifying portland cement concrete paving. Ten companies bid on this contract.

Bids were received here today at the State Building for the first time under the recently announced policy of the Highway Commission in receiving bids at Los Angeles on all contracts for improvements in the southern part of the state.

Joint Bid Low On Yaquina Span

PORTLAND, Oregon, May 17.—A joint bid by General Construction Company, and Gilpin Construction Company, Henry Bldg., Portland, at $1,357,587.00 on a combination of Units A, B and C was the low figure offered today to the Oregon State Highway Commission for construction of Yaquina Bay bridge.

The structure is to be located on the Oregon Coast Highway at Newport. It is one of five highway bridges financed in part by PWA funds.

Reclamation Bureau To Open Bids On Coulee Dam at Spokane, June 18

Bids are to be received by the U. S. Bureau of Reclamation in Spokane, June 18, for construction of the Grand Coulee dam and power plant. Grand Coulee dam site is near Almira, Washington, about 100 miles west of Spokane.

The estimated cost of the initial development is as follows: Grand Coulee dam, $40,097,331; power plant, $19,137,971; interest during construction, $2,963,894; total, $62,199,196.

Among the principal items of work and materials are the following: Excavation, common, for dam and powerhouse, 9,000,000 cu. yds.; rock excavation, 450,000 cu. yds.; concrete, 1,777,000 cu. yds.; reinforcing bars, 22,100,000 lbs.; standard steel and cast iron pipe and fittings, 686,000 lbs.; high-pressure, hydraulically-operated sluice gates and metal conduit linings, 8,346,000 lbs.; sluice gate, trash rack metal work, 1,115,000 lbs.; structural steel and other metal work, 1,067,000 lbs. The estimated cost of the includes: Right of way, $1,000,000; fish ladder, $300,000; railroad to the damsite, $600,000; highway to damsite, $50,000; camp, $500,000.

Among those who are expected to bid on the principal contract is Morrison - Knudsen, Inc., together with one or more of their associates in Six Companies, Inc. This firm on March 8, 1931, with a bid of $48-866,254, obtained the contract for Boulder Dam.

David H. Ryan, who has the contract for stripping overburden, is reported to be organizing a syndicate to bid. The report is unconfirmed.

The Arundel Corp., Pier 2, Pratt street, Baltimore, and Woods Bros. Corp. of Lincoln, Neb., second and third bidders, respectively, on Boulder dam, also are expected to bid.

The general plan for the Grand Coulee dam provides for progressive development involving two principal stages of construction and the successive installation of power units. Plans for the ultimate development include a concrete straight-gravity dam about 500 feet high above the lowest point in the foundation, with a crest length of about 4,000 feet, and a power plant containing eighteen 105,000 kilowatt units. The river channel section of the dam will have an overflow spillway 1800 feet long, at each side of which, and immediately below the dam abutments, nine units of the power plant will be installed. The first development, which is covered by these specifications, includes the main portion of the excavation for the high dam, the construction of a concrete straight-gravity dam to an elevation of about 200 feet below that planned for the high dam, construction of a permanent downstream cofferdam, and the construction of a power plant at the extreme left of the dam, as shown on the drawings. The permanent cofferdam, located below the toe of the low dam, will be constructed to form the toe of the high dam and the downstream portions of future power houses. The foundation rock near the heel of the dam will be drilled and grouted from a longitudinal gallery to be formed in the base of the dam near the foundation, and through a line of pipes connecting the gallery with the foundation rock. The concrete of the dam will be built in sections with vertical contraction joints. A system of pipes will be installed for use in pressure grouting the contraction joints after shrinkage has taken place in the concrete, and the grouting will be done from longitudinal galleries to be formed in the dam at elevations of approximately 50-ft. intervals. In the right side of the spillway section of the dam twenty regulating outlets will be formed thru the dam, each controlled by a tandem installation of 5-ft. 8-in. by 10-ft. high pressure hydraulically - operated slide gates, with inlets protected by ten concrete and steel trash-rack structures. The power inlets will be served by 18-foot diameter plate steel penstocks regulated by bulkhead gates at the inlets and butterfly valves near the turbines. The inlet gates will be protected by concrete and structural steel trash-rack structures. Penstocks, with the lower ends temporarily capped, will be constructed through the dam for proposed future power units. Due to uncertainty, at the time of issuing these specifications and drawings, as to the best manner of meeting the problem of passing fish over or past the dam, no provisions therefor are included in these specifications.

The Grand Coulee power plant will be located at the downstream toe of the dam and will consist of two power houses, one on each side of the river, adjacent to the central spillway section of the dam. Each building will be ultimately constructed to accommodate nine main power generating units and, in addition, the building on the west side of the river will provide space for two station service units, a machine shop, control room, offices, and general station operating facilities. The initial power development will consist of the construction of that portion of the west end of the building on the west side of the river required for the installation of three main generating units, two station service generating units, and common station facilities; the installation of such units and facilities; and the construction, on both sides of the river, of permanent cofferdams, which will later become parts of the power houses to permit future unwatering of the foundations when necessary to permit construction of the remaining portions of the power houses. The construction of the initial power development only is covered by these specifications. The hydraulic and electrical apparatus, auxiliary equipment, and wiring will be installed by the Government. The contractor will be required to place all concrete around such apparatus as is installed prior to the completion of the dam. Steel penstocks 18-ft. in diameter will be installed through the low dam for all of the eighteen main power units. The penstocks for the three initial units will be extended to the butterfly valves in the power house, and metal bulkheads will be installed at the lower ends of the other penstocks immediately below where they emerge from the face of the low dam. Steel penstocks, 4 ft. 6 in. in diameter, will be installed for the two station service units.

Materials Furnished by Government:

The Government will furnish cement for use in concrete, mortar, plaster, grout and asphalt mastic; admixtures, if required, for use in concrete; reinforcement bars and rubber tubing and tape for insulating reinforcement bars where required; non-corrosive metal sheets and rivets for contraction joint seals; corkboard for expansion joints; anchor bars, rods, and bolts; metal tubing, metal pipe, and fittings; gates, gate hoists, operating mechanisms and appurtenances; conduit lining castings plate steel penstocks; butterfly valves and operating mechanisms; motor-driven drainage pump and accessories for permanent installation in the dam; cranes, crane rails and track supplies; structural steel for power house and other structures; trash - rack metal work; welding rods required for field erection or installation of metal work, except welding rods for welding contraction joint sealing strips; asphalt-saturated felt, asphalt, reglets, nailcrete, and other roofing materials, except mineral aggregates for asphalt mastic; factory - mixed materials for colored concrete floor topping; gas-forming compound for light - weight concrete; metal lath, structural channels, tie wire, wire inserts, and cinch anchors for thin and hollow walls of metal lath and plaster, suspended ceilings, and temporary end walls; hydrated lime and hair or fiber for plaster; hollow tile for walls; metal stairways; floor plates and gratings; metal doors; metal sash windows and window operators; metal partitions; metmetal work; metal stair nosing; ladal sheets and fabricated parts for sheet der rungs; hatchway and manhole frames and covers; plumbing fixtures and appurtenant hardware; electrical conduits and fittings; metal grounding rods and wires for electrical grounding system; resistance thermometers, strain meters, and joint meters, electric cables and accessories; paint and coating materials. The plate steel penstock pipes will be delivered to the contractor at a field fabricating plant at the head of Grand Coulee. All other materials furnished by the Government will be delivered to the contractor f.o.b. cars at Odair, Wash., or at such other railway point or points as may be mutually agreed upon by the contractor and the contracting officer.

Materials To Be Furnished By The Contractor

The contractor will be required to furnish all sand and broken rock or gravel for concrete; sand for grout, mortar and plaster; aggregates for porous concrete drain tile; mineral aggregates for asphalt mastic for roof covering; aggregates for concrete floor topping, except factory-mixed materials for colored concrete floor topping; all form materials, including bolts, spikes and nails and oil for oiling forms; timber for tunnel timbering, if required; all wire, wire ties, or other appliances used for holding forms and for securing reinforcement bars; metal or other temporary supports, if used, for reinforcement bars, tubing, pipe and other metal work; all backfill materials; rock for riprap and rubble masonry; all water for mixing, cleaning and curing concrete, mortar, and plaster, and for drilling and grouting operations; joint compound for joints

in gate control piping; oakum or other suitable materials for caulking grout pipes; brazing or welding materials for contraction joint sealing strips; nails, tie wire, and temporary supports for contraction joint grouting units and grout pipe; fitting-up bolts and drift pins for erecting all structural steel; waterproof covering for concrete floor topping; muriatic acid for cleaning hollow tile walls.

The construction program provides for beginning for the river diversion on July 1, 1934, the main excavation for the dam on August 1, 1934, the placing of concrete in the dam on Sept. 1, 1935, and for the completion of the mass concrete in the dam on October 1, 1937.

The work shall be commenced within 30 calendar days after date of receipt of notice to proceed and shall be completed within 1650 calendar days from the date of receipt of such notice.

Bid security in the sum of $2,000,000 will be required.

Performance bond in the sum of $5,000,000 will be required.

Liquidated damages in the sum of $2,000 will be assessed for each calendar day delay not excusable pursuant to Article 9 of Government Form No. PWA 51.

Partial payments will be made monthly.

Plans, specifications and drawings obtainable from the office of the Bureau of Reclamation at Almira, Washington; Denver, Colo., or Washington, D. C., at a charge of $5.00, not returnable.

Bids will be considered on the following schedule, but no bid will be considered for only part of the schedule. The total for the schedule, including the lump sum prices for turning plant, camp, and other facilities over to the Government upon completion of the work, will be taken into consideration in making award of contract.

SCHEDULE

(1) lump sum, diversion and care of river during construction & unwatering foundation;
(2) 200,000 cu. yds. excavation, all classes, stripping sand and gravel deposits;
(3) 11,000,000 cu. yds. excav., common, for foundations of dam and power house;
(4) 800,000 cu. yds. excav., rock, do;
(5) 1,500 cu. yds. excav., all classes, in adit tunnels;
(6) 50,000 cu. yds. backfill;
(7) 30,000 cu. yds. riprap;
(8) 200 cu. yds. rubble masonry walls
(9) 10,000 lin. ft. drilling "B" grout holes not more than 30 ft. deep;
(10) 8,000 lin. ft. successive drilling "B" grout holes not more than 30 ft. deep;
(11) 27,000 lin. ft. drilling "A" grout holes more than 30 ft. deep and not more than 50 ft. deep;
(12) 15,000 lin. ft. drilling "A" grout holes more than 50 ft. deep and not more than 100 ft. deep;
(13) 1,000 lin. ft. drilling "A" grout holes more than 100 ft. deep and not more than 150 ft. deep;
(14) 1,000 lin. ft. drilling "A" grout holes more than 150 ft. deep and not more than 500 ft. deep;
(15) 500 lin. ft. drilling drainage holes not more than 25 feet deep in dam foundation;
(16) 18,000 lin. ft. drilling drainage holes more than 25 ft. deep and not more than 50 ft. deep in dam foundation;
(17) 500 lin. ft. drilling drainage holes more than 50 ft. deep and not more than 100 ft. deep in dam foundation;
(18) 600 lin. ft. drilling drainage holes more than 100 ft. deep and not more than 150 ft. deep in dam foundation;
(19) 1,000 lin. ft. drilling holes for anchor bars and grouting bars in place;
(20) 14,000 cu. ft. low pressure grouting foundations and adit tunnels
(21) 25,000 cu. ft. high pressure do;
(22) 50,000 lin. ft. manufacturing and placing whole units of porous concrete drain tile;
(23) 17,000 lin. ft.manufacturing and placing split units of porous concrete drain tile;
(24) 3,100,000 cu. yds. concrete in dam;
(25) 600 cu. yds. concrete in parapets;
(26) 700 cu. yds. concrete in training walls above elevation 935;
(27) 34,000 cu. yds. concrete in trash-rack structures;
(28) 400,000 cu. yds. concrete in spillway buckets, permanent cofferdams, penstock anchors, and gravity walls;
(29) 515 cu. yds. concrete in adit tunnel lining;
(30) 30,000 cu. yds. concrete in power house below turbine floor;
(31) 33,000 cu. yds. concrete in power house above turbine floor;
(32) 16,600 sq. yds. special finishing of concrete surfaces;
(33) 25,000,000 lbs. placing reinf. bars;
(34) 25,000 intersections insulating reinforcement bars;
(35) 115,000 lin. ft. installing metal sealing strips in contraction joints;
(36) 10,000 lin. ft. installing metal seals in power house below high tailwater level;
(37) 620 lin. ft. of joint installing metal seals in power house above high tail-water level;
(38) 52,000 sq. ft. installing cork board in expansion joints;
(39) 6,232,000 lbs. installing high-pressure hydraulically-operated gates and metal conduit lining;
(40) 45,000 lbs. installing control apparatus for high-pressure gates;
(41) 1,000,000 lbs. installing penstock and draft tube bulkhead gates;
(42) 8,710,000 lbs. installing power penstocks;
(43) 2,522,000 lbs. installing butterfly valves and operating mechanisms;
(44) 2,300,000 lbs. installing traveling and gantry cranes;
(45) 203,000 lbs. installing track rails;
(46) 4,242,000 lbs. installing trash-rack metal work;
(47) 1,600,000 lbs. installing structural steel in power house;
(48) 1,200,000 lbs. installing metal tubing, steel and cast iron pipe, fittings and valves;
(49) 7,400 lbs. install aluminum curbs and handrailings;
(50) 31,000 sq. ft. installing asphalt-saturated felt roofing, complete with flashing;
(51) 12,000 sq. yds. installing concrete floor topping and base;
(52) 3,300 sq. yds. installing colored concrete floor topping & base;
(53) 100 cu. yds. light-weight concrete in floors;
(54) 150 sq. yds. thin walls of metal lath and plaster;
(55) 1,100 sq. yds. hollow walls of metal lath and plaster;
(56) 1,800 sq. yds. hollow tile curtain walls;
(57) 1,500 sq. yds. placing metal lath and plaster on temporary end walls;
(58) 770 sq. yds. suspended ceilings;
(59) 2,000 sq. yds. painting conc. walls;
(60) 52,000 lbs. installing metal stairways;
(61) 182,000 lbs. installing metal floor plates and gratings;
(62) 15,000 lbs. install drainage pump and fittings;
(63) 1,670 sq. ft. installing metal rolling doors;
(64) 2,100 sq. ft. install metal swinging doors;
(65) 3,600 sq. ft. installing metal sash windows;
(66) 1,000 sq. ft. of window installing metal sash window operators;
(67) 5,000 lbs. installing sheet metal work;
(68) 400 sq. ft. installing metal partitions;
(69) 100,000 lbs. installing miscel. metal work;
(70) 2,500 lbs. installing plumbing fixtures and appurtenant hardware
(71) 60,000 lin. ft. installing electrical metal conduit not larger than 1¼-in. diameter;
(72) 75,000 lin. ft. do larger than 1¼-in. diameter and not larger than 3-in. diameter;
(73) 9,000 lin. ft. do 3½-in. and over in diameter;
(74) 750 lin. ft. installing fiber conduit
(75) 50,000 lbs. installing ground wires and ground rods;
(76) 100,000 lin. ft. installing electrical cable for resistance thermometers, strain meters, and joint meters embedded in concrete;
(77) 300 cars transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in car lots between delivery yard and Government siding at head of Grand Coulee;
(78) 15,000 cwt. transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in less than car lots bet. delivery yard and Government siding at head of Grand Coulee;
(79) 100 cars transporting freight of all kinds on the construction of railroad for the Government or its agents, other than the contractor, in car lots between delivery yard and siding at Government warehouse;
(80) 10,000 cwt. transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in less than car lots bet. delivery yard and siding at Government warehouse;
(81) 8,000 tons transporting freight of all kinds for the Government or its agents, other than the contractor, bet. Government siding at head of Grand Coulee and power house.
(82) 3,000 transporting freight of all kinds, for the Government or its agents, other than the contractor, bet. siding at Government warehouse and power plant.
(83 lump sum, turning part of construction plant over to the Government, as provided in paragraph 28 of the specifications;
(84) lump sum, turning camp buildings and improvements over to the Government, as provided in paragraph 44 of specifications;
(85) lump sum, turning transmission line and substation facilities over to the Government, as provided in paragraph 52 of specifications.

RIVETING OF BRIDGE TOWER STARTS TODAY

Contractors Pouring Seal Beneath Westbay Foundation Units

With Tower No. 2 standing at a height of more than 350 feet, its present top at the same elevation of Yerba Buena Island, the process of riveting the segments of steel, now in place, will be started today, according to the weekly progress report filed yesterday with State Director of Public Works Earl Lee Kelly by Chief Engineer C. H. Purcell.

While public interest centered on this tower, now one of the high points on the San Francisco skyline, Chief Engineer Purcell and his staff were watching the sealing of the last of the big West Bay caissons to rock at deprhs from 117 to 230 feet below watet. The process of sealing involves the excavation of mud beneath the caisson for a distance of approximately 10 feet, and the placing of a floor of concrete seal on the rock up to the calsson and into its 15-foot diameter dredging wells for 30 ft. When the seal is completed, the cellular caisson is resting on a floor of concrete laid over the rock, and with from 21 to 55 fifteen-foot diameter columns of concrete extending from this floor up the cells in the concrete pier for 30 feet, giving the foundation the utmost of rigidity and resistance to vertical or horizontal forces.

San Francisco

Concrete to a total of 1955 cubic yards was placed by the Healy-Tibbitts Construction Company in Pier W-1, built below the level of the Embarcadero at Spear street, making the total content 6725 cu. yds. and bringing the concrete to two feet above water level and ten feet below street level.

West Bay Superstructure

The Columbia Steel Company raised 775 tons of steel during the week, making a total of 4160 tons of steel in Tower 2, which is now 75 percent complete, and standing more than 350 feet high.

West Bay Substructure

Pier W-3 now has the center 12 wells of its total of 28 sealed to rock at an average depth of 230 ft. Some 3600 cubic yards of concrete were placed in this floor beneath the pier.

Pier W-4, the concrete center anchorage midway between San Francisco and Yerba Buena Island, is now ready for sealing to rock, Transbay Construction Company, the contractor, having cleaned out beneath the center of this 55-cell caisson.

The south 12 cylinders of Pier W-5 were sealed this week, 3200 cu. yds. of concrete having been placed.

Pier W-6 is nearing completion, the bridge seat having been placed and construction of fenders well under way.

Yerba Buena Island

A circular hole, more than 130 feet deep and 24 feet in diameter, has been excavated at the east portal of the vehicular tunnel, and into this steel-ribbed circular shaft concrete will be poured this week. This shaft and a similar one are dug to create two concrete columns 24 feet in diameter, and will comprise the unique Pier YB-1 that will carry the west end of the east viaduct over the island. On the west side of the island, the cable anchorage tunnels are being roofed, and concrete is being placed.

This week saw the beginning of the world's largest diameter tunnel through Yerba Buena Island, 51 x 65 feet. A small pioneer shaft was driven in on the south side for a distance of 10 feet. The tunnel will be 540 feet long. So large is this hole that several shafts will be drilled and then broken out into one huge tunnel.

East Bay Substructure

Pier E-3, 1400 feet east of Yerba Buena Island, eastern support of the huge cantilever span, now contains 14,143 cubic yards of concrete, 1700 cubic yards having been placed during the week by Bridge Builders, Inc. The cutting edge of this caisson has been lowered by dredging to 95 feet below water.

Pier E-23 was sealed during the week, 9150 cubic yards of concrete having been placed by Clinton Construction Company, contractor.

Bay Bridge Progress Report

The status of San Francisco-Oakland Bay Bridge units under contract as of April 30 is reported by Chief Engineer C. H. Purcell **as follows:**

San Francisco Cable Anchorage	45% complete
Pier W-2	100% complete
Pier W-1	50% complete
Tower No. 2	60% erected
Pier W-3	90% complete
Tower No. 3	85% fabricated
Pier W-4 (Center Anchorage)	50% complete
Pier W-5	80% complete
Tower No. 5	fabrication not begun
Pier W-6	90% complete
Tower No. 6	50% fabricated
Yerba Buena Island Anchorage	10% complete
Anchorage Tunnels-Excavation	50% complete
West Approach to Tunnel-Excavation	complete
Yerba Buena Island Vehicular Tunnel	not begun
East Approach to Tunnel-Excavation	begun
Pier YB-1-Excavation	35% complete
Pier YB-2-Excavation	15% complete
Pier YB-3-Excavations, Foundations and Shafts	under way
Pier	25% complete
Pier YB-4	80% complete
Pier E-1	30% complete
Pier E-2	not begun
Pier E-3	20% complete
Pier E-4	100% complete
Pier E-5	100% complete
Piers E-6, E-7, E-8, E-9, and E-10	not begun
Pier E-11	10% complete
Pier E-12	5% complete
Pier E-13	20% complete
Pier E-14	30% complete
Pier E-15	90% complete
Pier E-16	90% complete
Pier E-17	95% complete
Pier E-18	complete
Pier E-19	complete
Pier E-20	complete
Pier E-21	complete
Pier E-22	complete
Pier E-23	25% complete
Pier E-23A	begun
Pier E-24	begun
Pier E-24A to E-39	not begun

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

244	Irish	McCarthy	6000
245	Anderson	Dawe	2000
426	Dinkelspiel	Herzig	7000
247	Farnsworth	Johnson	45000
248	Brunt	Coburn	4000
249	Leep	Owner	1050
250	Schivo	Nelson	6000
251	Pitres	Owner	1000
252	Castenino	Owner	2000
253	U. of C.	Bienfield	1000

ADDITION
(244) 454 VALENCIA St.; addition to lodge rooms and anuditorium.
Owner—Irish American Hall Assn., 454 Valencia Street.
Engineer—Ellison & Russell, 712 Pacific Bldg.
Contractor—Robt. McCarthy, 1363 14th Avenue. $6,000

ALTERATIONS
(245) SE MASON and Eddy Streets; alter store.
Owner—Martin Andersen, York Hotel.
Architect—Not Given.
Contractor—L. C. Dawe, 449 Coventry Road, Berkeley. $2000

ADDITION
(246) 74 25th AVE.; addition to dwelling.
Owner—Martin Dinkelspiel, 74 25th Avenue.
Architect—Bakewell and Weihe, 251 Kearny Street.
Contractor—A. J. Herzig, 2300 Ocean Ave. $7000

ADDITION
(247) SW FIRST AND FEDERAL Sts. New addition to warehouse.
Owner — Farnsworth & Ruggles, 109 Davis St., San Francisco.
Engineer—H. A. Emmrick and E. L. Hansen, 1280 Indiana St., S. F.
Contractor—Louis Johnson, 666 Mission St., San Francisco. $45,000
23

ALTERATIONS
(248) NO. 111 SEVENTH ST. Alter factory.
Owner—Brunt Printing Co., % 2048 Market St., San Francisco.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $4000

ALTERATIONS
(249) NO. 2146 SUTTER ST. Alter dwelling.
Owner—Bertol Leep, Premises.
Architect—Not Given. $1000

DWELLING
(250) W CASITAS AVE. opp. intersection of Cresta Vista Drive, Sherwood Forest. One and one-half-story and basement frame dwelling.
Owner—L. J. and Reina Schivo, 184 Brentwood St., San Francisco.
Architect—Not Given.
Contractor—Frank F. Nelson, 2 Edgehill Way, San Francisco. $6000

ADDITION
(251) NO. 130 TWENTY-SIXTH AVE. Add to dwelling.
Owner—Dr. E. Pitres, Premises.
Architect — C. O. Clausen, 746 46th Ave., San Francisco. $1000

ALTERATIONS
(252) NO. 411 ATHENS ST. Alter dwelling.
Owner—C. Castenino, Premises.
Architect—Not Given. $2000

(253) NO. 130 SUTTER ST. Alter store.
Owner—University of California.
Architect—W. P. Stephenson, Berkeley.
Engineer—University of California.
Contractor—D. L. Bienfield, 666 Mission St., San Francisco. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
226	Syndicate	Windsor	4000
227	Barr	Owner	4500
228	Deasy	Monroe	8000
229	Alwen	Schmidt	2500
230	Hayward	Allen	3500
211	Kress	Dinwiddie	1500
212	Schumaker	Pheifer	2000
213	Berkeley	Netherby	4000

DWELLING
(226) NO. 1716 MOUNTAIN BLVD., OAKLAND. Two-story 6-room dwelling.
Owner — Syndicate Merrlewood Co., 1401 Broadway, Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland. $4000

DWELLING
(227) 882 41st STREET, OAKLAND; one-story 5-room brick dwelling.
Owner and Builder—R. J. Barr, 596 Chetwood St., Oakland.
Architect—Not Given. $4500

DWELLING
(228) NO. 6031 ASCOT DRIVE., OAKLAND. Two-story 7-room dwlg.
Owner — E. T. Deasy, 1450 Sherwin Ave., Oakland.
Architect—Not Given.
Contractor—J. W. Monroe, 5538 Claremot Ave., Oakland. $8000

DWELLING
(229) NO. 3536 VICTOR AVENUE, OAKLAND. One-story five-room dwelling and one-story garage.
Owner—P. H. Alwen, 6017 Morse Dr., Oakland.
Architect—Not Given.
Contractor—A. K. Schmidt, 3936 Elston Ave., Oakland. $2500

DWELLING
(230) S CHELTON DRIVE 480 E Girvin St., OAKLAND. One-story Five-room dwelling.
Owner—W. C. Hayward.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland. $3500

REPAIRS
(211) SW FOURTEENTH & BROADWAY, OAKLAND. Sidewalk repairs.
Owner—S. H. Kress & Co., Premises.
Architect—Not Given.
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco. $1500

BUILDING
(212) No 1598 UNIVERSITY AVE., BERKELEY. One-story 3-room Class C building.
Owner—F. Schumacher, 1017 Market St., San Francisco.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland
Contractor—The Pheifer Co., 6221 Bromley St., Berkeley. $2000

DWELLING
(213) NO. 490 GRIZZLY PEAK BLVD BERKELEY. Two-story six-room frame dwelling and garage.
Owner — Berkeley Hillside Properties Co., 58 Sutter St., San Francisco
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland. $4000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
51	Wilson	Monson	2740
55	Pacific	Monson	990
56	Same	Same	440

ALTERATIONS
(54) SE EDDY and Mason Sts.; alterations to Class C store building.
Owner—A. W. Wilson, % architect.
Architect — C. A. Meussdorffer, 735 Market Street.
Contractor—Monson Bros., 475 6th St.
Filed May 11, '34. Dated May 8, '34.
When framing is completed.....$1200
When accepted by architect..... 855
Usual 35 days..... 685
TOTAL COST, $2740
Limit, 25 working days. Plans and specifications filed.

ALTERATIONS
(55) NO. 444 BUSH ST. All work for bracing firewalls, smoke stack and tank in Davenport Office.
Owner—Pacific Telephone & Telegraph Co., 445 Bush St., San Francisco.
Architect—Not Given.
Contractor — O. Monson (as Monson Bros., 475 6th St., San Francisco.
Filed May 14, '34. Dated May 1, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $990
Bond, $990. Surety, Pacific Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(56) NO. 445 BUSH ST. All work for bracing firewalls, 7th floor balcony, pipes, tanks, etc., in building known as "Old Main Office."
Owner—Pacific Telephone & Telegraph Co., 445 Bush St., San Francisco.
Architect—Not Given.
Contractor — O. Monson (as Monson Bros., 475 6th St., San Francisco.
Filed May 14, '34. Dated May 1, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $440
Bond, $440. Surety, Pacific Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
34	Santos	Jensen	4590
35	Deasy	Armstrong	7935

RESIDENCE
(34) CENTERVILLE two-story residence.
Owner—Mr. and Mrs. Manuel Santos, Centerville.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Filed May 11, '34. Dated May 7, '34.
Frame completed $1147.50
Brown coated 1147.50
Completion 1147.50
Usual 35 days..... 1147.50
TOTAL COST, $4590
Limit, 90 days. Plans and Spec. filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

CONTRACT AWARDED

LOS ANGELES, Calif.—Security Finance & Building Co., Hollywood Guaranty Bldg., awarded general contract for erection of a three and part four story, modernistic type apartment building on the west side of Rossmore near Rosewood for Silas F. and Margaret F. Slusher. The building will be of concrete and stucco construction, class A garage, skylights, steel sash, elevator, tile baths, and showers, hardwood floors, casement windows, cast plaster, roof gardens, etc. Cost is estimated at $100,000. Milton J. Black, Hollywood Guaranty Building, architect.

2— BONDS

BIDS WANTED

LOS ANGELES, Cal.—Until June 8, 10:30 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for the sale of an additional $8,064,000 block of district bonds. F. E. Weymouth, General Manager and Chief Engineer.

BIDS WANTED

SAN DIEGO, Cal.—Until May 21, 11 A. M., bids will be received by Allen H. Wright, City Clerk, San Diego, for the sale of El Capitan Dam bonds in the sum of $210,000, being part of a $4,500,000 issue authorized by election November 18, 1924.

Certified check, 1%.

BONDS SOLD

SOUTH SAN FRANCISCO, Cal.—Anglo-California Bank of San Francisco has purchased a $75,000 block of bonds of the South San Francisco High School District. $35,000 will bear interest at 4¾% and $40,000 at 4¼%. The money will finance construction of an annex to the existing high school

BONDS SOLD

SAN FRANCISCO — William R. Staats Co., 155 Motgomery St., San Francisco, purchased a $1,324,000 block of water distribution bonds at 4% interest, plus a premium of $28,135. The bonds are part of the $12,095,000 bond isaue voted Noverber 7. The other bids were:

First nf Beston Corp.	$1,337,633.20
R. H. Moulton Co. Synd.	1,337,528.00
Anglo- Calif. Nat'l Bk Syn	1,330,646.48
City Co. of New York, Inc.	1,338,951.00
Harris Trust & Savings Bk	1,344,385.00
E. O. Huttlinger Co.	1,345,316.40
Halsey Stewart Co.	1,331,745.40
Bk. of America Syndicate	1,351,129.00

4— FACTORIES & WAREHOUSES

Contract Awarded.

ALTER BUILDING Cost, $2000
STOCKTON, San Joaquin Co., Cal. No. 546 N-Aurora Street.
Remodel present building.
Owner—Borden Milk Co., Premises.
Architect—Not Given.
Contractor—S. C. Giles, 121 Knoles Way, Stockton.

Plans Being Prepared.

WAREHOUSE & SERVICE STN.
FRESNO, Fresno Co., Cal. NE Fulton and Stanislaus Streets.
One-story and mezzanine floor steel frame and brick warehouse and service station, with stucco exterior (125x150 feet).
Owner—Firestone Tire & Rubber Co. of Calif. (W. B. Mullins, Supt.), 2525 Firestone Blvd., Los Angeles.
Plans by Engineering Dept. of Owner.

Contract Awarded

WINERY Cost, $125,000
LODI, San Joaquin Co., Cal. Ten-acre site.
One - story co-operative winery (reinforced concrete construction) capacity of 10,000 tons of grapes.
Owner—East Side Winery (E. J. Mettler, Herman L. Laure, Ed. Pressler, J. R. Weiderich, A. Niles, K. Kurtz, Herman Vollbrecht, Directors.)
Plans by E. T. Meakin, California Press Mfg. Co., 1800 Folsom St., San Francisco.
Contractor—Frank Gyon, 1211 E. Main St., Stockton.

TO START CONSTRUCTION SHORTLY

COLTON, San Bernardino Co., Calif. —D. N. Nicassio & Co., 1013 Alpine St., Los Angeles, will start work this week on the erection of a one-story, concrete block winery and distillery on West J Street, Colton. The structure will cost approximatelw $50,000 and will be equipped with $50,000 worth of machinery and tanks.

Contract Awarded.

ALTERATIONS Cost, $4000
SAN FRANCISCO. No. 111 Seventh Street.
Alterations to factory.
Owner—Brunt Printing Co., 111 7th St., San Francisco.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.

Planned.

WINERY Cost, $500,000
KINGSBURG, Fresno Co., Cal.
Co-operative winery.
Owner—Group of merchants headed by Sidney Johnson, Kingsburg.
Architect—Not Given.
Temporary Board of Directors named as follows: J. C. Walling, Ed. Ross, L. Pinheir and Less Tremper.

Owner Taking Bids.

FACTORY Cost, $250,000
WOBURN, Massachusetts.
One and two-story glue factory (brick walls, concrete floors).
Owner — New England Chemical Industry (Pacific Bone, Coal & Fertilizer Co.), 500 Fifth Ave., New York.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Bids are being received by the owner in the East from Eastern contractors only.

CONTRACT AWARDED

SAN FRANCISCO.—DeLuca & Son, Inc., 1745 Filbert Street, at $14,500 awarded contract by Public Utilities Commission, Room 387, City Hall, for the construction of a machine shop building (Airport Contract No. 33).

Work as follows: Piling has been driven for foundation and cut-off at elevation 2.0. The new building to be founded on this piling of concrete footings. Structure will be two-story of reinforced concrete beam and slab floor construction, structural steel frame, timber walls covered with galvanized metal, 18x65 feet; timber roof covered with composition roofing, interior timber frame partitions. Plumbing fixtures not included in this contract.

Complete bids published May 4.

Plans Being Completed.

REMODEL BREWERY $150,000
SAN FRANCISCO. No. 240 Second St.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building new bottling line, remodel bottling house.
Owner — Wieland Brewery (Walter Metzenbaum), 240 Second St., San Francisco.
Engineer — Herman Noethit, 240 Second St., San Francisco.
Bids will be asked in about two weeks.

PLANS PREPARED

SOUTH GATE, Los Angeles Co., Cal. —Rio Grande Oil Co., 417 S Hill St., Los Angeles, has had plans prepared for a new refining plant to be erected in the eastern portion of South Gate for the company. It will replace a similor plant now in operation. Preliminary work has been started by the owner's construction dept., which will handle the entire project.

Contract Awarded

DISTILLERY Cost, $300,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One 2- and 3-story brick distillery (100x200 ft.)
Owner—Hormovita Company.
Engineer—D. K. Proffitt, 204 First National Bank Bldg., Stockton.
Contractor—John Pognotti, care Victor Leonardini, 19 S. San Joaquin St., Stockton.

Plans Being Prepared

WHARF EXTENSION Cost, $100,000
SAN FRANCISCO. Pier No. 42.
140-foot timber shed extension.
Owner—State of California (Harbor Commission) Ferry Bldg.
Plans by Engineering Dept. of Owner (Frank G. White, Engineer).
Bids will be asked shortly.

May 11, 1934

Preparing Preliminary Plans.

BREWERY Cost, $100,000
SANTA ROSA, Sonoma Co., Cal. Junction College Ave. and N. W. P. R. R.
Two one-story reinforced concrete buildings and one four-story reinforced concrete building for brewery.
Owner—Sonoma Valley Brewing Corp. (Mr. Hanrahan, in charge), 217 Exchange Bank Bldg., Santa Rosa.
Engineer—J. M. Smith, 251 Kearny St., San Francisco.

Sub-Contracts Awarded
FOUNDATIONS Cont. Price, $18,881
OAKLAND, Alameda Co., Cal. Outer Harbor.
Concrete foundations for Rosenberg warehouse (work involves driving 976 green piles, 31 to 35 feet in length; 680 cu. yds. concrete, 60 tons reinforcing steel).
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Foundations — Schuler & McDonald, 1723 Webster St., Oakland.
Excavation—Worden & Forsythe, 264 Sybil Ave., San Leandro.
Concrete—T. A. Ryan, 5215 Fleming Ave., Oakland.
Reinforcing Steel—Truscon Steel Co., Call Bldg., San Francisco.
Placing Steel—Dick Richards, Oakland

Planned
WINERY Cost, $100,000
PARLIER, Fresno Co., Cal. One-half mile east of city.
Construct co-operative winery (capacity of 1,000,000 gallons).
Owner—Parlier Co - operative Winery (Chas. A. Parlier, chairman) Parlier.
Architect—Not Given.

To Be Done By Day's Work
PLANT Cost, $——
QUINCY, Plumas Co., Calif.
One-story frame and stucco newspaper building (corrugated iron exterior and roof, interior plaster, cement floor, etc.)
Owner—Feather River Bulletin, Quincy (M. F. Small, proprietor).
Architect—Not Given.
C. J. Lee, Quincy, will have charge of razing the present building and new structure will be constructed by day's labor by local men.

Contract Awarded.
SHED Cost, $5000
FRESNO, Fresno Co., Cal. No. 440 G Street.
One-story shed.
Owner—Roeding Fig & Olive Co., 440 G St., Fresno.
Plans by Owner.
Contractor—F. J. Stone, Mason Bldg., Fresno.

To Be Done By Day's Work.
WAREHOUSE Cost, $2000
BURLINGAME, San Mateo Co., Cal. 1150 Industrial Avenue.
One-story steel warehouse.
Owner and Builder—J. B. Oswold, 768 El Cerrito, San Mateo.
Architect—Not Given.

Plans Being Figured—Bids Close May 23rd, 8 P. M.
WAREHOUSE Cost, $25,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One-story wood frame grain warehouse (220x250 ft.) galvanized iron roofing and siding, concrete floors, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Port Stockton Grain Terminal Corporation.
Plans and specifications are available from above office.

Plans Being Prepared
BREWERY Cost, $100,000
SEATTLE, Wash. 40th St. west and W. Canal Street.
Five-story steel frame and reinforced concrete brewery.
Owner—Silver Foam Brewery Co. (W. H. Wilson, Vance Bldg.,) Seattle, president.
Architect—Henry Bittman, Securities Bldg., Washington.
Bids will be asked in about 30 days. Directors of the company include: J. Watts Phillips, vice president; E. Winslow Jackson, secretary-treasurer; C. H. Bray, Portland, director, and J. H. Wilson, San Francisco.

ADDITIONAL PROSPECTIVE BIDDERS
CHEYENNE, Wyo. — Followig are additional contractors and others who have procured plans for the purpose of submitting a bid to the Veterans Administration, Washington, D. C., on May 22nd for wrought iron and wire fence and gates at the Veterans Administration Facility, Cheyenne, Wyo.
Edwin Pratt's Sons Co., Kankakee, Ill.
Atlas Ornamental Iron Works, 2510 E. 52nd St., Huntington Park, Calif.
E. A. & G. L. Cole, 1329 W. 31st St., Cheyenne, Wyo.
Merit Supply Co., Inc., 401 Broadway, New York City.

To Ask Bids Within a Few Days
FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner—Channel Pie Co., 3566 C Street, Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Contract Awarded.
ADDITION Cost, $45,000
SAN FRANCISCO. SW First and Federal Sts.
Addition to warehouse.
Owner — Farnsworth & Ruggles, 109 Davis St., San Francisco.
Engineer—H. A. Emmrick and E. L. Hansen, 1280 Indiana St., S. F.
Contractor—Louis Johnson, 666 Mission St., San Francisco.

5— FLATS

Prospective Bidders.
WAREHOUSE Cost, $25,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One-story wood frame grain warehouse (220x250 ft.) galvanized iron roofing and siding, concrete floors, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Port Stockton Grain Terminal Corporation.
Following have procured plans. Bids open May 23, 4 P. M.:
H. H. Henning, 1751 Berkeley Ave.
J. C. Nunley, 1735 W. Rose St.
C. H. Dodd, 1738 W. Rose St.
F. Kaus, 2726 E. Main St.
J. A. Allen, 22 S. Sutter St.
Ecker Bros., 1658 S. San Joaquin St.
L. S. Peletz, 1660 W. Acacia St.
Samuel Eyre, Tracy.
R. E. McCarthy, 603 Eastworth St.
John Hackman, P. O. Box No. 206.
All of Stockton unless otherwise noted.

Plans Being Revised.
FLATS Cost, $22,000
SAN FRANCISCO. North Point Street East of Fillmore.
Three-story and basement frame and stucco flats (3 flats) (2 flats with 4 bedrooms and 4 baths; 1 flat with bedroom, bath and social room) slate roof, steam heating system, tiled baths, hardwood floors, etc.
Owner—Mrs. Scarpulla.
Architect—Charles Strothoff, 2274 15th St., San Francisco.

6— GARAGES & SERVICE STATIONS

Bid Opening Date Postponed.
SAN FRANCISCO—Until May 23, 11 A. M. (date postponed from May 16) bids will be received by the Veterans' Administration, Fort Miley, San Francisco, for the construction of one personnel garage of four stalls at the Veterans' Administration Facility, Fort Miley. Bids will be taken as follows:
(1) Work complete, less concrete floors and aprons, outside stucco.
(2) Work complete, including concrete floors and aprons.
(3) Work complete including outside stucco.
(4) Work complete using upswinging doors in lieu of swinging doors.

Contract Awarded.
SERVICE STATION Cost, $——
BERKELEY, Alameda Co., Cal. NE Shattuck and Hearst Aves.
Concrete and brick veneer service station.
Owner—Not Given.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor—B. B. Maynard Co., 4637 Park Blvd., Oakland.

Contract Awarded
SERVICE STATION Cost, $3000
STOCKTON, San Joaquin Co., Calif. 207 N. Wilson Way.
Service station.
Owner—Zella E. Westing.
Architect—Not Given.
Contractor—Pacific Trucking Co., 646 Park Ave., San Jose.

Preparing Plans
GARAGE Cost, $——
SALINAS, Monterey Co., Calif.
School bus garage to house equipment, etc.
Owner—Salinas Union High School District.
Architect—Chas. E. Butner, 51 Maple St., Salinas.

Planned.
WINERY ADDITION Cost, $——
IRVINGTON, Alameda Co., Cal.
Alterations and additions to present winery (increase capacity to 600,000 gallons or more) new machinery, etc.
Owner—Montage Vineyards Co., 249 Tenth Ave., New York City (Albert Wagner, Box 36, Irvington, General Manager Irvington Plant).
Architect—Not Selected.
W. H. Griffenhagen, Secretary of the company, will arrive in Irvington early in June and plans for the addition will be discussed.

Contract Awarded.
SERVICE STATION Cost, $2000
BERKELEY, Alameda Co., Cal. No. 1598 University Avenue.
One-story Class C service station.
Owner—F. Schumacher, 1017 Market St., San Francisco.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor — The Pheifer Co., 6221 Brimley St., Berkeley.

7—FEDERAL BUILDING

BIDS WANTED
CARLSBAD, N. M.—Until 8 P. M., June 12, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of the U. S. post office in Carlsbad, N. M. The appropriation for the project is $72,600. Plans and specifications may be obtained from the supervising architect in Washington.

EQUIPMENT APROVED
TECATE, San Diego Co., Cal.—The Treasury Department approved the following awards for the construction of the inspection station at Tecate. Associated Contractors, 1226 S. La Brea Ave., Los Angeles, general contractors: Line Motor for wall pump to Brown-Brockmeyer Co.; electric refrigerators to General Electric Co., pit lights to Crouse-Hinds Co.

BIDS WANTED

LIVERMORE, Alameda Co., Cal.—Until June 12, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for re-surfacing mastic floor of heliotherapy deck, Building No. 2, Veterans Administration Facility, Livermore. Specifications available from above office.

Building Material Approved.

OGDEN, Utah.—Treasury Department approved the tube and wall radiator award to Crane Co. for the U. S. Forest Building, Ogden, Utah. Murch Bros. Constr. Co., general contractors

Building Material Approved.

SACRAMENTO, Cal.—Treasury Department approved the following awards for the construction of lighting fixtures in the U. S. Post Office, Sacramento. H. A. Framburg & Co., 3320 Carroll Ave., Chicago, Ill., contractors. Glasswork to Phoenix Glass Co. and Curtis Lighting Co.

Preliminary Plans Completed.

POST OFFICE Cost, $120,000
REDDING, Shasta Co., Cal.
One-story and basement steel frame Post Office, terra cotta and brick exterior, tile roof, etc.
Owner—United States Government.
Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
Preliminary plans have been forwarded to Washington for approval.

Complete Bid Listing.

EDIZ HOOK, Washington—As previously reported, George Hess, 434 S. Westmoreland Ave., Los Angeles, at $77,700 submitted low bid to U. S. Coast Guard, Washington, D. C., for the construction of structural steel and masonry seaplane hangar, approximately 120 by 100 feet, with steel sliding doors at the front, two leanto extensions, each approximately 20 by 100 feet with concrete footings, foundations and floors, complete with modern improvements; a creosoted timber and pipe seaplane ramp approximately 50 by 196 ft.; dredging, concrete turning platform, runway ramps, apron and retaining walls, and accessories for the Coast Guard at Port Angeles Air Station, Ediz Hook, Wash. Following bids received:

(1) Alternate: Add.

George Hess, Los Angeles		$77,700
	(1)	4,500
Pioneer Constr. Co., Seattle		96,900
	(1)	3,000
S. S. Mullen, Port Angeles, Washington		98,312
	(1)	2,500
Nels. Mortensen & Co., Seattle		98,900
	(1)	2,450
A. W. Mowat, Seattle		99,000
	(1)	2,550
Sound Constr. Co., Seattle		99,124
	(1)	2,695
Pittsburgh - Des Moines Steel Co., Pittsburgh, Pa.		106,874
	(1)	2,600
Western Constr. Co., Seattle		108,584
	(1)	3,927
General Constr. Co., Seattle		111,800
	(1)	2,900
McRae Bros., Seattle		118,716
	(1)	4,500

Bids held under advisement.

LOW BIDDER

MARYSVILLE, Yuba Co., Cal.—Watson Manufacturing Co., 63 Taylor St., Jamestown, New York, at $660 submitted low bid to the Treasury Department, Procurement Division, Washington, D. C., for furnishing and installing insect screens in the U. S. Post Office, Marysville.

LOW BIDDER

MARYSVILLE, Yuba Co., Cal.—Newman Bros., McMinnville, Oregon, at $759 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster in the U. S. Post Office, Marysville. Complete bids will be published shortly.

CONTRACTS AWARDED

ALCATRAZ ISLAND, Cal.—Bureau of Prisons awarded a contract to the California Wire Cloth Co., 587 Mission St., San Francisco, at $10,752 for furnishing and installing 1000 lineal feet of open wire fencing and awarded a cotract to the Standard Fence Co., 1940 San Bruno Ave., San Francisco, at $500 for 93 window guards at Alcatraz Island.

BIDS REJECTED

HAMILTON FIELD, Marin Co., Cal.—War Department has rejected bids for the construction of a concrete swimming compass base at Hamilton Field. On bid opening lowest bid was submitted by Frank J. Reilly, San Francisco, at $3241.

BIDS WANTED

FORT CLAYTON, C. Z.—Until June 4, bids will be received by the Construction Division, Army Department, Washington, D. C., for the construction of two sets of Officers' Quarters at Fort Clayton. Estimated cost, $36,000.

ADDITIONAL PROSPECTIVE BIDDERS

SAN FRANCISCO. — Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Treasury Department, Procurement Division, at Washington, D. C., on May 22 for furnishing and installing interior lighting fixtures in the U. S. Federal Bldg., San Francisco:

The Ace Iron Works, 159 S Park St., San Francisco.
Severin Elec. Co., 172 Clara Street, San Francisco.
Lighting Studios, Inc., 88 Washington St., Newark, N. J.
Alta Elec. & Mechanical Co., Inc., San Francisco.
Ferro Art Lighting Co., Inc., 406 W. 31st St., New York City.
Boyd Lighting Fixture, 278 Post St., San Francisco.
Cooper-McGurk-Stewart, Inc., 818 W Erie St., Chicago.

PLANNED

FRESNO, Calif.—Treasury Department officials state that Fresno will be included in the list of new post office projects to be forwarded to Public Works Administration for consideration. It is estimated that the proposed structure will cost between $600,000 and $700,000.

BIDS WANTED

ALAMEDA Cal.—Until May 31, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch Washington, D. C., for painting the plaster, etc., in the U. S. Post Office, Alameda. Specifications available from above office and from the Custodian of the Building, Alameda.

BIDS WANTED

ALHAMBRA, Los Angeles Co., Cal.—Until May 31, bids will be received by the Treasury Department, Procurement Division, Washington, D. C., for painting the plaster, etc., in the U. S. Post Office, Marysville.

Bids Wanted—To Close June 8.

EXTEND P. O. Cost, $110,000
SANTA CRUZ, Santa Cruz Co., Cal.
Extension and remodel of present Post Office building.
Owner—United States Government.
Plans by Treasury Dept, Washington, D. C.

THIS IS A PWA PROJECT AND IS SUBJECT TO PWA REGULATIONS.

BIDS WANTED

SAWTELLE, Los Angeles Co., Cal.—Until 2 P. M., May 17, bids will be received by the Veterans' Administration Facility, Sawtelle, for overhauling deflector sheaves on elevators 13-N, 15-S and 16-S at canvalescent barracks. Work consists of removing assembly, furnishing new shaft, reboring sheave, installing new bronze bushing and reassembling and realigning units.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.—York Ice Machine Co., 234 Ninth St., San Francisco, at $1260 awarded contract by the Post Quartermaster, Hamilton Field, for the construction of alterations and additions to existing refrigeration equipment for the fur storage room in the Air Corps Warehouse, Hamilton Field.

CONTRACT AWARDED

SAN FRANCISCO—Ray Burner Co., 401 Bernal St., at $315 awarded contract by Port Quartermaster, Fort Mason, for installing oil burner in Quarters No. 4, South, Fort Mason.

8— CLUB BUILDINGS

Planned.

REMODEL HALL Cost, $——
LAFAYETTE, Contra Costa Co., Cal.
Remodel town hall.
Owner—Town of Lafayette.
Architect—Not Given.
George S. Meredith is president of the Lafayette Improvement Club which has charge of the proposed improvements.

Contract Awarded.

ADDITION Cost, $6000
SAN FRANCISCO. No. 454 Valencia Street.
Addition to lodge rooms and auditorium.
Owner—Irish American Hall Association, 454 Valencia St., S. F.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor — Robert McCarthy, 1363 14th Ave., San Francisco.

PLANNED

TRUCKEE, Nevada Co., Cal.—Truckee Post, American Legion, headed by Clyde Edmonds, has requested Nevada County Board of Supervisors to obtain aid to finance construction of a memorial building in Truckee.

9— HOSPITALS

Equipment Contracts Awarded.

HOSPITAL Cont. Price, $55,300
REDDING, Shasta Co., Cal.
Two-story reinforced concrete hospital (24x36 ft.) 50 beds, three operating rooms, tile and composition roof, tile floors, linoleum, steam heating system, cooling system, etc.
Owner—County of Shasta.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Contractor—N. H. Sjoberg & Son, Call Bldg., San Francisco.
Special Lighting Fixtures — K. von Hacht, 110 Sutter St., San Francisco, at $31.
Kitchen Equipment — G. C. Laird & Sons, 5771 Shafter Ave., Oakland, at $668.
Surgery Lighting — General Electric Supply Co., 1201 Bryant St., San Francisco, at $770.
Emergency Lighting—Frick Corp., 836 Fulton St., San Francisco, at $145.
Linoleum — McCormick-Saeltzer Co., Redding, at $1477.
Bids on X-Ray equipment were received as follows and held under advisement.

General Electric Co., $3243.05 and Westinghouse X-Ray Co., Inc., $3425. Bids on the sterlization plant read as folows:

Scott Co., San Francisco, $1957.39; Benjamin & Rackerby, Sacramento, $2203.49; Colson Equipment & Supply Co., San Francisco, $2216.49.

Bids held under advisement.

PLANNED

GLENDALE, Los Angeles Co., Cal.—Windsor Hospital, 1100 East Windsor Avenue, Glendale, contemplates constructing a new building on the present hospital site in Glendale.

10— HOTELS

Contract Awarded

ALTER HOTEL Cost, $——

SANTECA, San Joaquin Co., Calif. Sycamore Avenue.

Alterations to Palace Hotel (new front and side, steel and stucco construction, new equipment, etc.)

Owner—L. M. Phariss.

Architect—Not Given.

Contractor—W. J. Scott, 1661 W. Poplar St., Stockton.

PLANNED

TUCSON, Ariz.—J. M. Proctor, secretary-treasurer of the company recently organized by the bond holders to take over the El Presidio hotel, 245 E. Broadway, Tucson, announces that the structure will be extensively remodeled and repaired this summer. The hotel, which contains 83 rooms, was built six years ago by J. C. Kroener. B. G. Thompson, Tucson attorney, is president of the new operating company and Fred W. Norton, El Paso, is vice-president.

CONTRACT AWARDED

SAN FRANCISCO—A. Quandt & Sons, 374 Guerrero St., at approximately $4000 awarded contract by Ernest Drury, Manager of the Hotel Whitcomb for cleaning and painting the Hotel Whitcomb, 1231 Market St. Work has been started.

11— ICE AND COLD STORAGE PLANTS

Planned

COOLING SYSTEM Cost, $——

OAKDALE, Stanislaus Co., Calif.

Construct new cooling system in Oakdale Cafe.

Owner—Galas Bros., Oakdale.

Architect—Not Given.

BIDS WANTED

WHIPPLE, Arizona—Until June 12, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing additional refrigeration in Bldgs. Nos. 45, 57 and 81 at the Veterans' Administration Facility, Whipple, Arizona. Plans and specifications available from above office.

12— POWER PLANTS

BIDS WANTED

BONNEVILLE, Ore.—Until June 21, 2 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse Portland, under Bid No. 34-662, for furnishing two 60,000-hp. turbines and governing equipment for same, to be installed at the Bonneville Dam.

The ultimate installation of 10 to 12 units is contemplated at this power site, two to be installed initially, partial sub-structure to be provided for four more, and space allowed for later extension of the structure to provide for 4 to 6 more.

Delivery fob factory.

Specifications obtainable from the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Block, Portland, without charge, and on file at the Division Engineer's Office, Pacific Division, 414 Customhouse, San Francisco.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Sub-Contracts Awarded.

LIBRARY Cont. Price, $214,539

SEATTLE, Washington.

Three-story Class A concrete and structural steel library, brick facing, cast and natural stone, slate composition roofing, acoustical treatment, steam heating, concrete slab, blackboards, cork tile, fire doors, tile, linoleum, hollow tile, iron stairs, ornamental iron temperature regulators, fan ventilators, ornamental plaster, intercommunicating telephones, steel sash, vaccum cleaners, etc.

Owner—University of Washington.

Architect—Bebb & Gould, Hoge Bldg., Seattle.

Structural Engineer—E. C. Anderson.

Mechanical Engineer—Lincoln Boullon, 1411 4th Ave. Bldg., Seattle.

Contractor — Peder Gjarde, Joshua Green Bldg., Seattle

Structural Steel—Isaacson Iron Works

Reinforcing Steel—Pacific Coast Steel Company.

Pre-mix Concrete, Sand and Gravel—Crosby Litherage Co.

Ornamental Iron—Western Ornamental Iron & Wire Works.

Terrazzo—John Bandini.

Millwork—Nordquist & Nelson.

Terra Cotta—Gladding-McBean.

Roofing and Sheet Metal — Independent Sheet Metal Co.

Lath and Plastering—A. G. McDougal

Cast Stone—Pacific Stone Co.

Ceramic Tile—Shippen Tile Supply Company.

Marble—Vermont Marble Co.

Linoleum, Cork Tile and Acoustic Tile—Tourtellotte-Bradley, Inc.

Slate Blackboard and Roof Slate—D. E. Fryer Co.

Painting—B. H. Stordahl.

As previously reported, heating, ventilating and sanitary system awarded to Rautman Plumbing & Heating Co., 115 Jackson St., Seattle at $66,464; wiring to NePage-McKenny Co., 804 6th St., Seattle, at $16,690; bookstacks to Art Metal Constr. Co., 1115 2nd Avenue, Seattle, at $67,080; elevators to Montgomery Elevator Co., 709 2nd Ave., Seattle, at $8861.

To Ask Bids May 21.

AUDITORIUM Cost, $375,000

SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.

Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined).

Owner—City of San Jose (C. B. Goodwin, City Manager).

Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.

THIS PROJECT IS FINANCED IN PART BY PWA FUNDS AND CONTRACTORS ARE SUBJECT TO PWA REGULATIONS.

Plastering Contract Awarded.

MEMORIAL Cont. Price $52,432

WATSONVILLE, Santa Cruz Co, Cal.

Two-story reinforced concrete and structural steel Veterans' Memorial (90x170 feet) will contain auditorium to seat 1500; clubrooms, etc.; air heating system, hardwood and tile floors, public address system, stage, etc.

Owner—County of Santa Cruz.

Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

Contractor—H. H. Larsen Co., 64 So. Park, San Francisco.

Engineer — Norman Green, 55 New Montgomery St., San Francisco.

Plastering — Mortenson Co., Watsonville.

14— RESIDENCES

TO START CONSTRUCTION

LOS ANGELES, Cal.—Frank L. Fox, owner, care of Fox-Woodsum Lumber Co., Glendale, will start work this week, by day labor and sub-contract, on erection of a residence in Brockmont Park for himself. The residence will be of frame and stucco construction, Spanish style of architecture, 120 x 100 feet in area, L-shaped, tile baths showers, wainscoting, tile patio floor, wood sash, casement and double-hung windows, basement recreation room, canvas walls, wrought iron grilles, hardwood and cedar trim, plank floors, unit heating system, three-car garage, overhead doors, etc. H. Roy Kelley, 1102 Architects' Bldg., architect.

Contract Awarded.

RESIDENCE Cost, $2240

HILLSBOROUGH, San Mateo Co., Cal. Brewer Tract.

One-story frame residence.

Owner — G. E. Bennett, 713 Chester Way, Hillsborough.

Plans by Charles E. Gillam, 1470 Broadway, Burlingame.

Contractor — Ruben A. White, 744 Crossway Road, Burlingame.

Contract Awarded.

RESIDENCE Cost, $7935

OAKLAND, Alameda Co., Cal. No. 2612 Piedmont Pines.

Two-story and basement frame and stucco residence.

Owner—E. T. Deasy.

Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor — J. R. Armstrong, 1131 Fleet Road, Oakland.

Preparing Preliminary Plans.

RESIDENCE Cost, $12,000

SAN MATEO PARK, San Mateo Co.

Two-story and basement frame and stucco residence (9 rooms and 3 baths, separate lavatory); shake roof, hot air heating system, hardwood floors, tiled baths, etc.

Owner—Withheld.

Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.

Plans Being Completed.

ALTER RESIDENCE Cost, $3500

HILLSBOROUGH, San Mateo Co., Cal.

Alterations and additions to residence (add new entrance hall, servant's room and bath, refinishing exterior with combination stucco and shakes, etc.)

Owner—Withheld.

Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.

Bids will be asked shortly.

Low Bidder.

RESIDENCE Cost, $——

HILLSBOROUGH, San Mateo Co., Cal.

Two-story and basement frame and stucco residence.

Owner—W. P. Byrnes.

Architect—Willis Polk Co. (Angus McSweeney, Architect), 277 Pine St., San Francisco.

Low Bidder—G. W. Williams Co., 315 Primrose Ave., Burlingame.

To Ask Bids In One Week.

RESIDENCE Cost, $15,000

LOS GATOS, Santa Clara Co., Calif. Las Haciendas.

Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc; 8 rooms and 4 baths).

Owner—E. L. Bundy.

Architect — Douglas Stone, 110 Sutter St., San Francisco.

Sub-Contracts Awarded.

RESIDENCE Cost, $5000

OAKLAND, Alameda Co., Cal. No. 4914 Proctor Avenue.

One-story and basement frame and

stucco residence (5 rooms) Spanish type.
Owner—Mrs. C. D. Button.
Architect—Not Given.
Contractor—Charles Ungaretti, 1727 Foothill Blvd., Oakland.
Electric—Kerr & Clifford, 3525 E-14th St., Oakland.
Roofing—Destern Roofing Co., 24th and Poplar Sts., Oakland.
Brick — J. C. Jorgensen, 2768 26th Ave., Oakland.
Plumbing—Albert Petitjean, 1649 11th Ave., Oakland.
Sheet Metal and Heating—Harry K. Flowers, 5437 Thomas St., Oakland

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. S Chelton Drive E Girvin St.
One-story and basement frame and stucco residence (5 rooms).
Owner—W. C. Hayward.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland.

Sub-Bids Being Taken.
ALTER RESIDENCE Cost, $3000
BERKELEY, Alameda Co., Cal. No. 6005 Hillegass Avenue.
Alterations and additions to frame residence.
Owner—Dr. J. F. Diddle, Premises.
Architect—Not Given.
Sub-bids will be taken on plumbing, painting, plastering, etc.

Plans Being Prepared.
RESIDENCE Cost, $10,500
BELVEDERE, Marin Co., Cal.
Two-story and basement frame, stucco, brick and stone residence (7 rooms and 3 baths); shake roof, gas hot air heating system, hardwood floors, colored tile baths, etc.
Owner—Withheld.
Architect — D. E. Jaekle, Call Bldg., San Francisco.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Berkeley Highland Terrace.
Two-story wood frame and brick residence (5 rooms, 2 baths), shake roof, gas heating system, hardwood floors, tiled baths, interior stucco, etc.
Owner and Builder—Pollard & Peel, 10 Oakvale Ave., Berkeley.
Plans by W. W. Dixon, 1844 5th Ave., Berkeley.

CONTRACT AWARDED
SAN FRANCISCO.—L. Ubels, Ripon, at $10,110 awarded contract by Public Utilities Commission, Room 287, City Hall, for the construction of a frame dormitory (H.H.W.S. Contract 147). Building will be approximately 62x68 feet, 1-story and basement in height.
Work involves: concrete, brick work, miscellaneous iron, steel and metal work, carpentry, glass and glazing, cement finishing, painting, finish hardware, linoleum, plumbing and plumbing fixtures, electrical wiring and electrical fixtures.
Complete bids published May 4.

Contract Awarded
RESIDENCE Cost, $7000
SAN FRANCISCO. W Casitas Avenue Sherwood Forest.
1½-story frame and stucco residence.
Owner—L. J. and Reina Schivo, 184 Brentwood.
Plans by Mr. Nelson.
Contractor—Frank F. Nelson, 2 Edgehill Way.

Additional Sub-Contracts Awarded
RESIDENCE Cont. Price, $6011
PIEDMONT, Alameda Co., Cal. Piedmont Pines, Ascot Drive.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) French style.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Eugene S. Campomenosi, 6401 Broadway Terrace, Oakland.
Lumber—Melrose Lumber and Supply Co., 1201 46th Ave., Oakland.
Roofing — Edmund Bardellini, 3700 Greenacre Road, Oakland.
Hardwood Floors—C. V. Graziano, 454 Cavour St., Oakland.
Other awards reported April 25.

Sub-Contracts Awarded
RESIDENCES Cont. Price, $160,688
BONNEVILLE, Ore. Columbia River.
Twenty two-story and basement frame and stucco residences (3 and 4 bed room houses) warm air heating system (to be furnished by the government) tile baths and kitchen, metal lath.
Owner—United States Government.
Plans by U. S. Engineer's Office, Portland.
Contractor—George Waale Co., 329 S. W. Oak St., Portland.
Masonry—Fred Hofacker.
Heating—Sandberg Sheet Metal W'ks.
Plumbing—Eugene Ruedy Company.
Electric Wiring—Davidson Elec. Co.
Ornamental Iron—City Iron Works.
Roofing and Sheet Metal — Sandberg Sheet Metal Works.
Painting—Dunsmoor Brothers.
Tile Work—Oregon Art Tile Co.
Lumber—Clark County Lumber Co.
Hardware—Hardware Contractors, Inc.
Grading and Excavation—By U. S. Engineers.
Brick Work—Frederick Hofacker.
All contractors of Portland.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 3536 Victor Avenue.
One-story frame and stucco residence (5 rooms).
Owner—P. H. Alwen, 6017 Morse Drive, Oakland.
Architect—Not Given.
Contractor—A. K. Schmidt, 3936 Elston Ave., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Clemens Road near Lyman Road.
One - story and basement frame and stucco residence (6 rooms) Spanish style, tile roof, gas heating system, hardwood floors, etc.
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given.
Plastering — Clifton E. Davidson, 811 St. Marys Ave., San Leandro.
Heating—California Furnace Co., 4801 E. 14th St., Oakland.
Concrete—G. S. McMullen, 747 Victoria San Leandro.
Electric—G. S. Hansen, 4175 Mountain View Ave., Oakland.
Roofing—M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Window Frames—Sunset Lumber Co., 400 High St., Oakland.
Brick—E. F. Morgan, 1712 79th Ave., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. Fernside Drive.
Two-story frame and stucco residence (English type).
Owner—D. Barnett, 1714 Myrtle St., Alameda.
Architect—Not Given.
Contractor—Ernest W. Urch, 1924 50th Ave., Oakland.
Sub-bids are wanted on all portions of the work, excepting lumber, concrete and plumbing.

Contract Awarded.
RESIDENCE Cost, $9000
OAKLAND, Alameda Co., Cal. No 6031 Ascot Drive.
Two-story and basement frame and stucco residence (7 rooms).
Owner — E. T. Deasy, 1450 Sherwin Ave., Oakland.
Architect—Not Given.
Contractor—J. W. Monroe, 5538 Claremont Ave., Oakland.

Lumber Cotract Awarded.
RESIDENCE Cost, $6500
OAKLAND, Alameda Co., Cal. Leimert Boulevard.
Two-story and basement frame and stucco residence (8 rooms and 3 baths), tile roof, tiled baths, gas heating system, hardwood floors.
Owner and Builder—Geo. Schmidt, 2543 21st Ave., Oakland.
Architect—Irwin M. Johnson, 2215 7th Ave., Oakland.
Lumber—Hogan Lumber Co., Second and Alice Sts., Oakland.
Sub-bids are being taken on other portions of the work.

Contract Awarded.
ALTER RESIDENCE Cost, $2000
BURLINGAME, San Mateo Co., Cal No. 31 Canning Road.
Alterations to frame residence.
Owner—W. A. Sheehan, Premises.
Architect—Not Given.
Contractar — W. O. Nicolaide, 21 Peninsula Ave., Burlingame.

To Be Done By Day's Work.
RESIDENCE Cost, $8000
SAN MATEO, San Mateo Co., Cal Edinburg Street.
Two-story frame and stucco residence
Owner and Builder—Ira Brotzman, 5 Garfield Ave., San Jose.
Plans by Owner.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 1752 Leimert Blvd.
Two-story frame and stucco residence (6 rooms), English style.
Owner and Builder—W. H. Warren, 2802 Fruitvale Ave., Oakland.
Architect—Not Given.
Electric—Kerr & Clifford, 3626 East 14th St., Oakland.
Plastering — Harry Mortensen, 4060 E-18th St., Oakland.
Cabinet Work—Paul Larson, 9327 Scott St., Oakland.
Sheet Metal — Holland Furnace Co., 1226 E-14th St., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN MATEO, San Mateo Co., Cal. Avila Street.
One-story and basement frame and stucco residence.
Owner and Builder—Ira Brotzman, 5 Garfield Ave., San Jose.
Plans by Owner.

Sub-Contracts Awarded
RESIDENCES Cost, $2500 each
OAKLAND, Alameda Co., Cal. Merriewood Tract.
Two one-story frame residences.
Owner—Merriewood Syndicate.
Architect—Fred Confer, 2812 Russel St., Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Excavating—Worden & Forsythe, 264 Sybil, San Leandro.
Lumber—Smith Lumber Co. of Oakland, foot of 19th Ave., Oakland.
Concrete—Triberti & Massaro, 957 38th St., Oakland.
Plumbing—J. R. Pierce Plumbing Co. 7109 E. 14th St., Oakland.
Plastering—Arthur Moore, 526 57th St. Oakland.
Sheet Metal—Bertel Mork, 1606 Clinton, Berkeley.
Mill Work—Atkinson Mill & Mfg. Co. 2986 Chapman St., Oakland.

ıb-Contracts Awarded
ESIDENCES Cost, $——
ERKELEY, Alameda Co., Cal. Thousand Oaks.
vo one-story frame and stucco residences.
vner—F. Hilthon.
chitect—Fred H. Reimers, 233 Post St., San Francisco.
ontractor—Flener & Griffin, 1921 26th Ave., Oakland.
eet Metal—Mauck Sheet Metal W'ks, 1417 66th St., Oakland.
oofing—W. L. Rideout, 641 Central Ave., Alameda.
astering—Fonseca & Perry, 1620 46th Ave., Oakland.

ontract Awarded
ESIDENCE Cost, $——
ALO ALTO, Santa Clara Co., Calif.
vo-story frame and stucco residence.
vner—Harry Creech, 215 Lowell St., Palo Alto.
rchitect—Leslie I. Nichols, Palo Alto.
ontractor—E. J. Schmalling, 863 Melville Ave., Palo Alto.

dditional Sub-Contracts Awarded
ESIDENCE Cost, $8800
ALLEJO, Solano Co., Calif.
wo - story and basement frame and stucco residence (7 rooms, 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work tiled baths, wainscot.
wner—Dr. C. Snoddy, 820 Capitol St., Vallejo.
rchitect—Fred Confer, 2812 Russell St., Berkeley.
ontractor—J. M. Walker, 1709 Grove St., Berkeley.
rick Work—W. H. Wisheropp, 3749 Quigley St., Oakland.
heet Metal—Monarch Sheet Metal Works, 1020 Sonoma St., Vallejo.
Bids are now being taken on painting and tile work.

.dditional Sub-Contracts Awarded
ESIDENCE Cost, $14,000
IEDMONT, Alameda Co., Calif. Upper Piedmont Estates.
wo-story frame and stucco residence (7 rooms).
wner—V. Lemer.
rchitect—Miller & Warnecke, Financial Center Bldg., Oakland.
ontractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
lastering—A. Moore, 526 57th Street, Oakland.
rick Work—W. H. Wisheropp, 3749 Quigley St., Oakland.
heet Metal—M. C. Henry, 1183 53rd St., Oakland.
ainting—Londgren Bros., 1927 Russell Oakland.
oofing—Marshall Shingle Co., 3729 Telegraph Ave., Oakland.
lectric—Vashell Elec. Co., 23 Randwick Ave., Oakland.
Other awards reported April 2.

Sub Contracts Awarded
RESIDENCE Cost, $7000
BAKERSFIELD, Kern Co., Calif., 2328 Cedar Street.
Two-story frame and stucco residence (Spanish type) tile roof, tiled baths hardwood floors, etc.
Owner—Philo Jewett.
Architect—Not Given.
Contractor—Adolph Hanson, 2328 19th St., Bakersfield.
Plumbing—W. Collinson.
Heating—Bakersfield Sheet Metal Wks.
Interior Tile—W. Berna.
Tile Roof—Bakersfield Pioneer Roofing Co.
Plastering—F. E. Davis.
Wiring—L. Bauer.
All of Bakersfield.

Contract Awarded.
RESIDENCE Cost, $——
HEALDSBURG, Sonoma Co., Cal. Fred Haigh Property.
Two-story frame and stucco residence (9 rooms).
Owner—Cecil J. Gauntlet, Healdsburg.
Architect—John Rankin, 2865 Divisadero St., San Francisco.
Contractor—E. A. Ansloff, 748 Grosvenor Place, Oakland.

Additional Sub-Contracts Awarded.
BERKELEY, Alameda Co., Cal. Grizzly Peak Blvd.
Two-story frame and stucco residence (shingle roof, ornamental iron, stucco siding, tiled baths, hot water heating system, gas furnace etc.)
Owner — Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. Netherby, 3853 Lyman Road, Oakland.
Sash and Doors—Melrose Lumber & Supply Co., 1201 46th Ave., Oakland.
Electric — G. S. Hansen, 4175 Mountain View Ave., Oakland.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Plastering and Brick—C. M. Goodell, 2836 Minna Ave., Oakland.
Other awards reported April 27.
Sub-bids are being taken on tile work.

15— SCHOOLS

Bids Rejected.
SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (6 classrooms), tile roof, steam heating system, wood floors, etc.
Owner — Woodbridge Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Plans will be revised and new bids asked.
On bid opening lowest bid was submitted by Azevedo & Sarmento, Sacramento, at $48,000.

PLANS APPROVED
LONG BEACH, Calif.—Long Beach board of education has approved working drawings for rebuilding the Wm. Cullen Bryant school at the corner of 14th and Termino Sts., Long Beach. Raymond A. Sites, 206 E. Fourth St., Long Beach, architect. Building will contain 10 classrooms and offices. Construction will be frame and stucco, exterior walls, composition roofing, concrete corridors, maple floors, steam heating, etc.

PLANS COMPLETE
LOS ANGELES, Cal.—Los Angeles board of education has adopted working drawings and specifications for reconstructing, strengthening and rehabilitating units No. 1 and No. 2 at the Cienega school site, 5140 W. Adams Blvd. Engineering plans by R. McC. Beanfield, structural engineer, 615 Chamber of Commerce Bldg.; architectural plans by the architectural division of the board, A. S. Nibecker, Jr., architect. Cost, $52,913.

BIDS WANTED
MONTEBELLO, Los Angeles Co., Cal.—Until 7 P. M., May 25, new bids will be received by the Montebello School District for the construction of a 1-story concrete and wood school building (6 classrooms) on the Bell Gardens site, Jabenerla St., south of Clara St., near Montebello. Each bid must be accompanied by a certified or cashier's check or bid bond in the sum of 10% of the amount of the bid. Plans and specifications are available at the office of the architect, Frank R. Schaefer, 1103-05 Kerckhoff Bldg., Los Angeles. W. F. Johnson, clerk.

Plans Completed.
REPAIR SCHOOL Cost, $20,000
CARMEL, Montery Co., Cal.
Repairs and reconstruction of school building (work includes reinforcing, concrete work, structural steel and carpentry).
Owner—Sunset School District, Carmel.
Engineer—Erle L. Cope, 111 Sutter St., San Francisco.
Plans have been forwarded to Sacramento for approval.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary architectural plans for reconstructing, rehabilitating and strengthening the main building at the Burnside Avenue school, 1515 Burnside Ave. Plans were prepared by Architect P. P. Lewis, 1063 Westwood Blvd. Cost, $67,052.

Bids Opened
REPAIR SCHOOL Cost, $100,000
SAN FRANCISCO, Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plans by Bureau of Architecture (C. Sawyer, Architect), City Hall.
Architect—H. A. Minton, 925 Market Street.
Low Bidder—C. L. Wold, 416 Fulton Street.
Following bids received:
(1) work completed in 150 days; (2) work completed in 75 days with $150 penalty fee per day.

C. L. Wold	(1)	$155,455
	(2)	166,705
Anderson & Ringrose	(1)	$161,939
	(2)	.....
James L. McLaughlin	(1)	$162,852
	(2)	174,102
H. L. Petersen	**(1)**	**$164,101**
	(2)	168,101
Alfred H. Vogt	(1)	$164,897
	(2)	.....
William Spivock	(1)	$165,000
	(2)	175,000
O. Monson	(1)	$167,900
	(2)	182,900
MacDonald & Kahn	(1)	$169 961
	(2)	179,000

Bids held under advisement.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary architectural plans for reconstructing, rehabilitating and strengthening the following buildings at the Thomas A. Edison junior high school: Main, auditorium, and classroom, cafeteria and home economics, shop, boys' and girls' physical education buildings. The plan for this group contemplates the removal of the third story of the main building and the second story of the physical education building. A. R. Walker and P. A. Eisen, 437 South Hill St., architects. Murray Erick, structural engineer, 811 W. 7th St. Cost, $253,154.

PLANS COMPLETE
LOS ANGELES, Cal.—Los Angeles board of education has adopted plans for reconstructing, rehabilitating and strengthening the main building at the Torrance elementary school site, corner of Martina and 220th Sts., Torrance. Engineering plans by R. McC. Beanfield, structural engineer, 615 Chamber of Commerce Bldg.; architectural plans by the architectural division of the board, A. S. Nibecker, Jr., architect. Cost, $79,800.

Construction Postponed Indefinitely.
ADDITION Cost, $8500
CHOWCHILLA, Madera Co., Cal.
One-story concrete addition to high school (add music room); tile roof.

Owner—Chowchilla Union High School District (Mrs. G. W. Hier, Clerk).
Architect — Howard Bissell, 327 E-Channel St., Stockton.

Bids Opened.

REPAIR SCHOOL Cost, $35,850
SAN FRANCISCO. No. 750 Eddy St.
Repair and reconstruction of Adams Elementary School.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St., San Francisco.
Low Bidder—DeLuca & Son, 1745 Filbert St., San Francisco.
Following bids received:

DeLuca & Son	$27,648
Moore & Roberts	27,750
J. Harold Johnson	30,486
C. L. Wold	30,943
H. L. Petersen	33,859

Bids held under advisement.

Plans Being Completed.

SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One-story light structural steel and wood frame school building (two clasrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—Geo. P. Simonds Hayward.
Plans will be forwarded to Sacramento for approval within one week.

BOND ELECTION

SEBASTOPOL, Sonoma Co., Calif.—An election will be held May 29 (date postponed from May 25) by the Analy Union High School District, at which time bonds in the amount of $190,000 will be voted to finance construction of a 2-story reinforced concrete school building in Sebastopol or reconstruct present building. Louis Stone and J. R. Rowell, 98 Ramona St., Piedmont, and 354 Hobart St., Oakland, architects.

CONTRACT AWARDED

LOS ANGELES, Cal.—Geo. Hess, 434 S. Westmoreland Ave., awarded contract at $43,834 by Los Angeles board of education for reconstructing, rehabilitating and strengthening the east building, less the auditorium, at the Graham school, 1901 E. Firestone Blvd. Plans were prepared by Structural Engineer Ralph A. DeLine, 1144 South Grand Ave., and the architectural division of the board, A. Nibecker, Jr., architect. The appropriation is $46,394. Mr. Hess submitted the following list of subcontractors and amounts with his general contract bid: Gunite to Cement Gun Const. Co., $8252; structural steel to Pacific Iron & Steel Co., $8,794; miscellaneous & ornamental iron to Acme Orn. Iron Co., $104; sheet metal work to Main Cornice Works, $197; tile and composition roofing to Owens Roofing Co., $265; painting to H. J. McKinley, $200; plastering to MacGruer & Co., $1370; heating and ventilating to Chas. B. Swank Co., $398 electric work to Peerless Electric Co., $398; plumbing to Harry Barkelew,

Additional Sub-Contracts Awarded.

GYMNASIUM Cont. Price, $58,900
SANTA ROSA, Sonoma Co., Cal.
One-story reinf. concrete and brick veneer gymnasium (171x135 ft.) reinforced concrete walls (separate gymnasium for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Plumbing — James H. Pinkerton, 927 Howard St., San Francisco.
Glass—Roberts Glass Co., Santa Rosa.
As previously reported, reinforcing steel awarded to Concrete Engr. Co., 1280 Indiana St., S. F.; lumber to Roth Maier Lumber Co., 2800 Third St., S. F.; mill work to Sterling Lumber Co., Santa Rosa; roofing to Frost Roofing Co., Palo Alto.

Planned.

REPAIR SCHOOL Cost, $15,000
LOS GATOS, Santa Clara Co., Cal.
Repairs and reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Proposed work is in a very preliminary stage and a bond election will probably be called to finance construction of improvements.

COMMISSIONED TO PREPARE PLANS

COVINA, Los Angeles Co., Calif.—Structural Engineer L. A. Parker, 804 Architects' Bldg., Los Angeles, commissioned by Citrus Union High School District to handle the structural design for earthquake resisting features to be applied to the shop and gymnasium buildings at Citrus high school in Covina. Mr. Parker has also been authorized to make a report on similar improvements proposed for the administration building at the school. Architect E. C. Kent, R.F.D. 1, Box 93, Covina, will handle the architectural work.

CONTRACT AWARDED

HUNTINGTON PARK, Los Angeles Co., Cal.—Reid & Alexander, 3124 Olive St., Walnut Park, awarded contract at $37,740 by Los Angeles board of education for reconstruction, rehabilitating and strengthening the Pacific Boulevard school, 5714 Pacific Blvd., Huntington Park. Engineering plans were prepared by Structural Engineer W. M. Bostock, 6723 Passaic, Huntington Park; architectural plans by the architectural division of the board, A. S. Nibecker, Jr., architect. Reid & Alexander submitted the following list of subcontracts and amounts with his general contract bid: Gunite to Case Const. Co., $8000; structural steel to Modern Iron Works, $3799; sheet metal to Chas. J. Strangman Co., $177; roofing to Massie Roof Co., $245; plastering to Hoover Bros., $555.

BONDS VOTED

SAN MARINO, Los Angeles Co., Cal. San Marino City School District affirmed an $85,000 bond issue May 8 the proceeds to be used for the rehabilitation of San Marino grammar school buildings to make them earthquake resistant. Edward L. Mayberry, 3900 E. Third St., Long Beach, architect.

CONTRACTS AWARDED

LOS ANGELES, Cal.—W. W. Petley, 354 21st St., Santa Monica, awarded general contract and F. D. Reed Plbg. Co., 1348 Venice Blvd., Los Angeles, has the plumbing contract for a two-story, 34-room high school building to be built at 7011 S. Hoover Street for Missionary Society of Our Lady of Mount Carmel of Carmelite Order of New York. M. L. Barker and G. L. Ott, architects. Laurence J. Waller, 346½ S La Brea Ave., structural engineer. The building will cover an area of 60x232 feet and will be of reinforced concrete construction, steel stud and stucco exterior, Mission tile roofing, ornamental iron, steel sash, wood shutters, gunite work, concrete corridors, floors and stairs, tile toilets and showers, marble toilet and shower partitions, steel lockers, slate blackboards, metal lath, acoustical & hardwall plaster, structural steel, kitchen equipment, metal-clad doors, flagstone paving, etc. Cost, $100,000.

BONDS FOR SALE

MANTECA, San Joaquin Co., Cal.—Calla School District will sell bonds in the amount of $6000 on May 28. Funds are to finance construction of a one-story frame and brick veneer school building to be erected in Manteca for the Calla School District. Frank Mayo, 108 E. Miner St., Stockton, Architect. Date of sale was previously set for May 21.

PLANS APPROVED

SANTA BARBARA, Cal.—State architectural department has approved plans, subject to minor changes, for a new school building to replace the old Garfield structure in the Oak Park district of Santa Barbara, and the board of education will probably advertise for bids within ten days. It will be a one-story structure, containing eight classrooms and an auditorium; wood frame construction, stucco exterior, metal lath and plaster interior, concrete floors, etc. Estimated cost, $45,000. Edwards & Plunkett, 114 E. De la Guerra, Santa Barbara, architects.

BOND ELECTION

LAGUNA BEACH, Orange Co., Cal.—Laguna Beach school board of education has called an election for June 5 at which time it is proposed to vote bonds in the sum of $75,000 for building a high school in Laguna Beach. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

BOND ELECTION

FORESTVILLE, Sonoma Co., Cal.—Forestville Grammar School District will hold an election on May 29 to vote bonds in the amount of $6,000 to finance construction of a new grammar school in Forestville.
The school board is composed of C. E. Widdoes, John Van Keppel and H. B. Johnson.

BONDS VOTED

DUNNIGAN, Yolo Co., Cal.—Dunnigan School District voted bonds in the amount of $9,000 May 10. Funds are to finance construction of a new school building in Dunnigan.

TO PURDCHASE

WASCO, Kern Co., Cal.—Wasco Union High School District will purchase new school supplies and equipment this summer, including 305 steel lockers, program clocks and six dozen steel folding chairs.

LOW BIDDER

MONTEBELLO, Los Angeles Co., Calif.—Johnson & Hansen, 5819 Atlantic Blvd., Maywood, submitted low bid to Montebello School District at $25,947, for construction of a school building on the Bell Gardens site, Jabenoria St., south of Clara St., near Montebello. The bids were held under advisement. Frank R. Schaefer, 1103-05 Kerckhoff Bldg., Los Angeles, is the architect. The building will be a one-story structure containing six classrooms; concrete foundations, wood frame construction, siding exterior, composition shingle roof, wood sash, maple floors, gas-steam radiators, tile wainscoting and cement floors in toilet rooms.

Commisioned To Prepare Plans.

SCHOOL Cost, $6000
FORESTVILLE, Sonoma Co., Cal.
One-story reinforced concrete grammar school (9 3 classrooms and and auditorium to seat 200, kitchen etc.)

Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
An election is being held on May 29, at which time bonds in the amount of $6000 will be voted to finance construction.

Structural Steel Contract Awarded.
MANUAL ARTS BLDG. Cost, $10,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco manual arts building for Woodrow Wilson Grammar School (composition roof wood floors, etc.) 2 classrooms.
Owner — Daly City Grammar School District, W. J. Sweeney, Clerk.
Architect—Albert Roller, Crocker 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.
Structural Steel—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

BIDS WANTED
SANTA ROSA, Sonoma Co., Calif.—Until May 28, 8 P. M., bids will be received by Sara J. Pryor, Secretary, Santa Rosa High School District, 756 Humboldt St., Santa Rosa, for the installation of a steam heating system in the Santa Rosa gymnasium. Plans and specifications available from Supt. of Schools, 756 Humboldt St., Santa Rosa, and from Leland & Haley, mechanical engineers, 58 Sutter St., San Francisco. Each bid must be accompanied by a certified check in the sum of not less than 5% of the amount bid made payable to the Secretary.

LOW BIDDERS
ALASKA. — Following are low bids received for the construction of seven schools in Alaska:
Seldovia: R. D. Peterman, Juneau, **$13,978.**
Port Graham: R. D. Peterman $4489.
Portlock: D. R. Peterman, **$4687.**
Anchorage Bay: Gorham, Baldwin & Jensen, Juneau, $7293.
Kodiak: Dave Dishaw, Juneau, $9684.
Wasila: John Lundstrom, Juneau, $8402.
Golovin: Carl Undem, Nome, $4850.
Seldovia school plumbing: Charles Lechner, Seward, $2895.

LOW BIDDER
SPANISH FORK, Utah — Bernsten & Kuhre, at $72,480 submitted low bid to Spanish Ford Board of Education, for the construction of a gymnasium building at Spanish Fork. Scott & Welch, Salt Lake City, Architects. Second low bid was submitted by Vincent-Peterson, Salt Lake City, at $72,-850.

May 17, 1934

BIDS OPENED
INGLEWOOD Los Angeles Co., Cal. —The following bids for reconstruction and repairs to the fine arts building at the Inglewood high school were received by the Inglewood Board of Education May 10:
Structural Steel: (labor and materials: McClintic-Marshall Co., (1) for local stock, $20,200; (2) for stock from mill, $19,800; Minneapolis Steel Co., (1) no bid; (2) $19,340; Consolidated Steel Corp., (1) $20,952; (2) $20,140.
Steel Stairs: (labor and material): Usona Iron Works, $600; A. J. Bayer Co., $825; Southern California Ornamental Iron & Metal Prod. Co., $943; Bonham Iron Works, Ltd., $1,088.
Steel Stair Treads: (material only): Seaside Products Corp., $529.06.
Blackboards: American Seating Co., (1) for slate, $2370; (Alt. A) for "Metal Board," $2115; (Alt. B) "Hyloplate," $1422; (2) cork carpet, $18.24; School Equip. Co., (1) $2432.95 (alt. A) "Slatebestos" $1976; "Slaterock," $1383.20; (alt. B) "Slateplate," $1136.20; (2) $42; Pacific Coast Blackboard Co., (1) $2,-674.65 (including cork carpet); (alt. A) no bid (alt. B) "Calaplat," $1074.65 (including cork carpet); (2) $24.65; Spinner-Deist Corp., (1) no bid; (alt. A) "Metalboard," $1769.04; (alt. B) "Acme - Kenworth," $794; (2) $83.97; General Paper Co., (1) $2709.04; (alt. A) "Seloc" glass blackboard, $3375.36; (alt. B) No. 1 silacate veneer plate, $1265.76; (2) no bid.
Composition Roofing: (labor and material): Wymond-Wymond, $360; Owen Roofing Co., $417; Harris Lbr. Co., $425 Compton Ave. Roofing Co., $598; Warren & Bailey, $815; Robinson Roofing Co., $500 (bid irregular).
Pneumatically Placed Concrete: (labor and material): L. A. Cement Gun Co., $7913; Cement Gun Const. Co., $8354; Case Const. Co., $8601; California Gunite Co., $9924.
Concrete and Brick Materials: (material only): J. W. Black Co., $3406.74; Inglewood Lbr. Co., $3417; E. B. Harris Lbr. Co., $3417; Ganahl Lbr. Co., $3417; Blue Diamond Co., $3418.27; Owl Truck Co., $3480.82.
Paint Materials: (materials only): Inglewood Mercantile Co., $844.24; Painters Supply Co. $365.61; Hammond Lbr. Co., $986.35; Inglewood Paint Co., $1,011.05; J .E. Bauer Co., $1,046.41.
Reinforcing Steel :(materials only): Following dealers proposed the same bids at $3,820.25: Truscon Steel Co.; Blue Diamond Co.; Hammond Lumber Co.; Concrete Engr. Co.; Soule Steel Co.; Trojan Steel Co.; Graham Bros., Inc.; J. W. Black Co.; Harris Lumber Company.
Plastering: (materials and nails): Blue Diamond Corp., $4699.37; (1) no deduction (did not bid on nails); Inglewood Lumber Co., $4913.50; (1) deduct $369.87 for cold rolled channels and black diamond mesh; E. B. Harris Lumber Co., $4913.50; (1) deduct $369.87; alternate same as above; (2) deduct $306.56 same as above except using copper bearing lath; Hammond Lumber Co., $4913.50.
Lumber: (materials only): Ganahl Lbr. Co., $3301.34; Inglewood Lumber Co., $3301.34; E. B. Harris Lumber Co. $3301.34.
Mill Work: (materials only): Inglewood Lumber Co. $1077.33; Harris Lbr. Co., $1077.33; Hammond Lbr. Co., $1,-077.33; Pacific Mfg. Co., $1131.
Miscellaneous Steel and Iron: (materials only): Bonham Iron Works, $964 Usona Iron Works, $1002; Harris Lbr. Co., $1167.59; Hammond Lbr. Co., $1,-167.59.
Sheet Metal: (materials only): Main Cornice Works, $149; J. Herman Co., $157; Arcade Cornice Works, $186.
Steam Heating: All bids rejected.
The bids were held under advisement.
Plans were prepared by Architects T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles.

Sub-Contracts Awarded.
SCHOOL Cont. Price, $163,000
NORTH SACRAMENTO, Sacramento Co., Cal.
Two-story brick high school building (12 classrooms and gymnasium); tile roof, steam heating system, wood floors, etc.
Owner—Grant Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—Azevedo & Sarmento, 920 O St., Sacramento.
Glass and Glazing — W. P. Fuller & Co., 1013 12th St.
Grading and Excavation—J. R. Reeves 12th and American River.
Heating — Hateley & Hateley, 1710 Tenth St.
Plumbing — Sweet's Plumbing Shop, 1346 Del Paso Blvd.
Electric Wiring—Rex Moore, 116 San Antonio Way.
Mill Work—Serra Mill & Lumber Co., 201 V Street.
Cut Stone—C. Taliabue, Decorative Art Shop, Rt. 3, Box 92.
Structural Steel—Alling Iron Works, 2415 5th St.
Reinforcing Steel—Truscon Steel Co., San Francisco.
Roofing—Bush Roofing Co., 1912 K St.
Sheet Metal—Carpenter & Mendenhall 907 Front St.
Painting—Wilcox & Wilson, 1724 34th Street.
Plastering—Azevedo & Sarmento, 920 O Street.
All bidders of Sacramento unless otherwise noted.
Construction started May 14.

Preparing Working Drawings.
REPAIR SCHOOL Cost, $60,000
SAN FRANCISCO. Twelfth Avenue and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market St., San Francisco.

16—BANKS, STORES AND OFFICES

Bid Opening Date Postponed Until May 25.
STORES & OFFICE Cost, $15,000
SUSANVILLE, Lassen Co., Cal.
Two-story reinforced concrete store and office building (140x25 ft.) tar, gravel and tile roof, steam heating system, oak floors, etc.
Owner—Mr. Dedeck.
Plans by Paul J. Moscarella, Saratoga.
Following have procured plans:
C. L. Weld, 4412 Fulton St., San Francisco.
Chas. Unger, 4532 T St., Sacramento
L. G. Case, 309 Penna Ave., Los Gatos.

Contract Awarded.
ALTER OFFICES Cost, $2000
SAN FRANCISCO. Howard near Front Street.
Alterations to office building (work includes glass work, steel, steel sash sheet metal, aluminum, partition and mill work, etc.)
Owner—Withheld.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Contractor—A. Lindgren, 40 Cervantes St., San Francisco.

LOW BIDDER
HUNTINGTON PARK, Los Angeles Co. Cal.—Reid & Alexander, 3124 Olive St., Walnut Park, submitted low bid for a store building to be erected at 6409-11 Pacific Blvd., Huntington Park for the Van Loon Corp.; W. T. Grant Stores, lessee. Contract will probably be awarded within a few days. Marshall R. Lawson, 614 S. Pacific Blvd., San Pedro, is the architect. The building will be a one-story and basement, L-shaped structure, 38x150 and 50x75 feet in area; reinforced brick walls, structural steel, composition roofing, wood roof trusses, plate glass, oak floors, metal skylights, forced ventilation system, copper store fronts, etc.

CONTRACT AWARDED
HOLLYWOOD, Los Angeles Co., Calif.—Clinton Construction Co., 1103 Spring Arcade Bldg., awarded contract for erection of a three-story and basement, class A store building, 60x120 feet in area, at 6608-10 Hollywood Blvd., for S. H. Kress & Co., 114 Fifth Ave., New York. Work will be started May 21. Edward F. Sihert, 114 Fifth Ave., New York City, is the architect. The building will be a reinforced concrete structure, with composition roof-

ing, fire escapes, cast concrete trim, plate glass, granite bulkheads, metal sash, marble work, tile, terrazzo and linoleum floors, marble and travertine stairways, metal, marble and hardwood trim, acoustic tile ceilings, metal lath, electric elevators, interior tile, metal toilet partitions and wainscoting, structural steel, waterproofing materials, kalamein doors, dumb waiter, steam heat, ventilating system, automatic sprinkler system, Venetian blinds, metal roof sign, ornamental iron balustrades, steel rolling shutters, storage water heater, electric refrigerator, oil storage tank, etc.

Contract Awarded
ALTERATIONS Cost, $1,000
SAN FRANCISCO. 121 New Montgomery Street.
Alterations to stores, lofts and offices.
Owner—Bouquet Cohn Cigar Company, 226 Powell Street.
Architect—Not Given.
Contractor — Seymour Showcase Fixture Corp., 604 Mission St.

Planned
ADDITION Cost, $——
SEATTLE, Wash. Lincoln Street.
Addition to office building.
Owner—Washington Water Power Co.
Architect—Not Given.
Property was just recently purchased and a large addition to contemplated in the future.

Plans Being Completed.
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations to eight-story store and office building.
Owner—Federal Land Bank (Williard D. Ellis, General Agent).
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Agent—Lionel Wachs Real Estate Co., Bank of America Bldg., Oakland.
Plans will be completed in about two weeks.

Contract Awarded.
ADDITION Cont. Price, $3180
MOUNTAIN VIEW, Santa Clara Co.
One-story frame addition to office building.
Owner—Dr. A. C. Thompson, Mt. View
Architect — Chas. McKenzie, Twohy Bldg., San Jose.
Contractor—E. Anderson & Son, Mt. View.

Sub-Contracts Awarded
OFFICE BLDG. Cont. Price, $42,812
SAN JOSE, Santa Clara Co., Cal. 374 West Santa Clara Street.
Two - story reinforced concrete office building.
Owner—San Jose Water Co. (H. Seymour Kittredge, President) 372 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West Santa Clara St., San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.
Linoleum—Robinson & Sons, S. First St., San Jose.
Metal Toilet Partitions — Trask and Squires, 39 Natoma St., San Francisco.
Masonry — Frank Fillier, 1140 Martin Ave., San Jose.
Electric Wiring—S. & K. Electric Co., San Jose.
Mill Work—S. H. Chase Lumber Co., W. Santa Clara St., San Jose.
Reinforcing Steel—San Jose Steel Co., 1010 M St., San Jose.
Misc. Steel—Engfer Iron Works, 535 W. San Carlos St., San Jose.
Heating—William Serpa, San Jose.
Roofing—California Roofing Co., 72 W. Fourth St., San Jose.
Painting—C. W. Lynds, 1886 Park Ave. San Jose.
Plastering—Ira T. Bridges, 654 Oberlin St., San Jose.
Tile—Simpson Tile Co., W. Julian St., San Jose.
Glass—East Bay Glass Co., S. Market St., San Jose.
Steel Sash—Harold Helwig, W. Santa Clara St., San Jose.
Placing Reinf. Steel—V. Plummer, 17th St., San Jose.
Terrazzo Floors—Thos. H. Price, Vine St., San Jose.
Excavating, Gravel and Sand—Martin Bros., Phelan Ave., San Jose.
Waste Molds—E. J. Powers, The Alameda, San Jose.
Hardware — San Jose Hardware Co., W. San Fernando St., San Jose.

Plans Completed
ALTERATIONS Cost, $——
SAN FRANCISCO. 949 Market Street.
Alterations to building (work includes changes in stairs, ornamental iron work, concrete, marble and tile.)
Owner—Sam Kaprialian.
Engineer—L. H. Nishklan, 525 Market Street.
Bids will be asked shortly.

To Be Done By Day's Work
ALTER STORE Cost, $2000
SAN FRANCISCO. 929 Market Street.
Alterations to store building.
Owner—National Dollar Store, 929 Market Street.
Architect — Bernard Joseph, 74 New Montgomery Street.

Planned
BUILDING Cost, $50,000
FRESNO, Fresno Co., Cal. NE Fulton and Stanislaus Streets.
One-story building.
Owner—Withheld.
Architect—Not Given.
Property was recently purchased from the Y.M.C.A. (Chas. Anger, secretary). Further details will be announced shortly.

Electrical Contract Awarded
ALTERATIONS Cost, $10,850
SAN FRANCISCO. 742 Market Street.
Alterations to store building.
Owner—Spiro Co., Market and Beale.
Plans by N. B. Mears, 60 Rausch St.
Contractor—Mullen Mfg. Co. 60 Rausch Street.
Electric—W. H. Kirsten, 55 McAllister Street.

Plans Being Completed
REMODEL STORE Cost, $——
SAN FRANCISCO. Sutter and Kearny Streets.
Remodel store building.
Owner—Pauson's Store.
Architect—Miller & Pfineger, 580 Market Street.
Bids may be asked in two or three weeks.

Sub-Contracts Awarded.
STORE BLDG. Cost, $12,000
SAN FRANCISCO. No. 2665 Mission Street.
Alterations to store building.
Owner—J. J. Newberry Co., Prem.
Architect—Norstrom & Anderson, 117 W-Ninth St., Los Angeles.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Structural Steel—Judson-Pacific Co., 609 Mission St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Electric—Atlas Electric Co., 343 4th St., San Francisco.
Tile—Sunset Tile Co., 2219 Irving St., San Francisco.
Granite — Blystone Co., 1985 E-16th St., Los Angeles.

Planned.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. Fourteenth and Clay Streets.
Alterations to three-story store and loft building.
Owner—Not Given.
Architect—Not Selected.
Lessee—Berman's Furniture Co., 15th and Clay Sts., Oakland.
Further details will be announced in about one week.

Terra Cotta Contract Awarded.
ALTER BLDG. Cost, $15,000
OAKLAND, Alameda Co., Cal. No. 1560 Broadway.
Alterations to First National Bank Building (remodel exterior, new terra cotta front, etc.)
Owner — First National Bank, 1560 Broadway, Oakland.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Contractor — David Nordstrom, 4150 Emerald St., Oakland.
Terra Cotta—Gladding McBean Co., 22nd and Market Sts., Oakland.

Contract Awarded.
ALTER STORE Cost, $2000
SAN FRANCISCO. SE Mason and Eddy Streets.
Alterations to store.
Owner—Martin Andersen, York Hotel San Francisco.
Architect—Not Given.
Contractor—L. C. Dawe, 449 Coventry Road, Berkeley.

LOW BIDDER
SANTA ANA, Orange Co., Cal.—J. W. Markel, 2130 Greenleaf St., Santa Ana, submitted low bid for a two-story steel and concrete, 40x120 ft., office building to be built at 312 N. Main St., Santa Ana, for the Security Tile Co. W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, architects. Cost, $30,000.

Plans Being Completed
CAFE Cost, $75,000
SAN FRANCISCO. Merrie Way, North Sutro Baths.
Two - story, basement and mezzanine floor cafe (frame and stucco construction, tile roof, hot air heating system, full kitchen equipment, bar, lounge, porches, foyer; dining room with seating capacity of 750)
Owner—Hacienda del Mar, Inc.
Architect—S. Heiman, 605 Market St.
Bids will be asked shortly.

Sub-Contracts Awarded
BRANCH BANK Cost, $25,000
SAN FRANCISCO. NW Fillmore and Chestnut Streets.
Branch bank building (tile work, marquise, marble floors, bronze work, plate glass, steel doors, vaults, etc.
Owner—Anglo California National Bank.
Architect—S. Heiman, 605 Market St.
Contractor—Jacks and Irvine, 74 New Montgomery Street.
Plumbing—J. H. Pinkerton, 927 Howard Street.
Ornamental Iron and Bronze—Federal Orn. Iron & Bronze Works, 16th and San Bruno Streets.
Marble—Eastman Marble Co., 209 Mississippi Street.
Metal Window Bars—Zouri Co., 273 Seventh Street.
Neon Sign—Electrical Products Corp., 255 Golden Gate Avenue.
Vault—Hermann Safe Co., Howard & Main Streets.
Warm Air Heat—Henry Ernst & Sons 551 Mayes St., San Francisco.

Plans Completed.
OFFICES AND LOFTS Cost, $——
SAN FRANCISCO. Market Street.
Three-story reinforced concrete loft and office building (3 elevators, steam heating system, etc.)
Owner—Withheld.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Bids will be asked when leases have been signed.

CONTRACT AWARDED
SANTA BARBARA, Cal.—D. H. McQuiddy, 716 State St., Santa Barbara, awarded contract for alterations to a building at 1903 State St., Santa Barbara, for C. Emory Taylor. The structure will house a mortuary. Cost of the work is estimated at $3,000. H. W. Howell, 19 E. Canon Perdido, Santa Barbara, architect.

CONTRACT AWARDED
SAN FRANCISCO—Henry Ernst & Sons, 551 Hayes St., at approximately $3000 awarded contract by Capital Co. for the installation of a new steam heating plant in the Humboldt Bank Building.

17— THEATRES

May 17, 1934

FIRE LOSS
SAN MATEO, Cal.—Fire destroyed the interior of the Fox Theatre Bldg., Third Ave. near El Camino Real, San Mateo, May 15. Damage estimated at $50 000. Structure will probably be rebuilt and refurnished. 17

Contract To Be Awarded.
ALTER THEATRE Cost, $——
SAN FRANCISCO. No. 965 Geneva Avenue.
Alterations to Amazon Theatre.
Owner—Golden State Theatre Co., 25 Taylor St., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Road, Piedmont.

Contract Awarded.
ALTER THEATRE Cost, $15,000
LODI, San Joaquin Co., Cal.
Alterations to theatre (Class C brick construction); seating capacity of 1300; move stage back, rebuild balcony and stairs, new toilets, decorating, painting, new hot air heating system, etc.
Owner—T. & D. Theatres, 25 Taylor St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Salih Bros., 25 Taylor St., San Francisco.

Contract Awarded.
ALTER THEATRE Cost, $10,000
CHICO, Butte Co., Cal.
Alterations to theatre (redecorating, painting, plastering, refinishing toilets, etc.)
Owner—National Theatres, 25 Taylor St., San Francisco.
Architect—Not Given.
Contractor—Salih Bros., 25 Taylor St., San Francisco.
Construction will start shortly.

18— WHARVES & DOCKS

BIDS WANTED
COLUSA, Cal.—Until May 21, 2 P. M., bids will be received by T. D. Cain, clerk, Colusa Board of Supervisors, Hall of Records, for plastering portion of the County Court House in Colusa. Specifications, proposals, bonds, etc., may be obtained from above office.

19—MISC. CONSTRUCTION

BIDS OPENED
LOS ANGELES, Calif.—Commercial Shearing and Stamping Co., Youngstown, Ohio, (represented in Los Angeles by W. H. Collins, 1138 Glenville Drive) apparently submitted the low bid to Saul A. Joseph, Purchasing Agent, Metropolitan Water Dist., May 7, at $115,280 fob Youngstown, for furnishing 8000 structural steel "I" beam ribs, splice plates and base plate for tunnel support, complete with bolts and nuts, about 2350 tons; Spec. No. M-2024. Bid No. 22291. The bids were:
Commercial Shearing and Stamping Co., fob Youngstown, 1% 10 days; (1) $14.41; (total) $115,280.
Youngstown Steel Car Co., fob Niles, Ohio, 1% 10 days; $19.30 (total) $154,400.
Western Pipe & Steel Co., fob Los Angeles, 1% 30 days; (1) -19.87; (total) $158,960.
Consolidated Steel Corp., Ltd., fob Los Angeles, no discount, (1) $20.03; (total) $160,240.
McClintic-Marshall Corp., fob Pottstown, Pa., no discount (1) $20.15; (total) $161,200.
Jones & Laughlin, fob Pittsburgh, Pa., 1% 10 days; (1) $24.76; (total) $198,080.

Bids Wanted
COTTAGES, ETC. Cost, $40,000
LAKE CITY, Florida.
Twenty 1-story frame cottages (two rooms, 2 baths, porch, each) frame dining room with seating capacity of 200, large kitchen, full kitchen equip., lavatories, serving pantries, living quarters, etc.; shingle roofs, rool screens, considerable tile work celotex, etc.
Owner—Commander F. K. O'Brien, U. S. Navy.
Architect—S. Heiman, 605 Market St., San Francisco.
Architect Heiman is receiving bids on roofing, Celotex, tile, plumbing, fixtures, hot water boiler, sewer pipe, etc.

BIDS WANTED
HAMILTON FIELD, Marin Co., Cal. —Until May 25, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of one 75 foot tubular steel flagpole at Hamilton Field. Plans and specifications available from above office upon deposit of $5.

Planned
POOL Cost, $12,000
FRESNO, Fresno Co., Cal. Holmes Playground, First Street.
Construct swimming pool.
Owner—City of Fresno.
Architect—Not Given.
The Community betterment committee, headed by Warren Tinkler asked the city commissioners to allow $12,000 in the 1934-1935 budget for the proposed pool.

BIDS OPENED
SAN FRANCISCO—Following bids received by Purchasing Agent for window cleaning for the school and water departments for the fiscal year 1934-1935:

	Per Month
A. Crosetti Bros. & Co.	$40
American Bldg. Maintenance Co.	40
By Block Service Co., Inc.	45
California Bldg. Maintenance Co.	45

Bids held under advisement.

BIDS WANTED
COOLIDGE, Ariz.—Until May 28, 2 P. M., bids will be received by the U. S. Indian Irrigation Service, Coolidge, for the construction of and furnishing hardware and guying materials for a 66 KV wood pole transmission line from Hayden, Arizona, to Sacaton and Arizola, Arizona, a distance of 81.4 miles.

LOW BIDDER
CHICO, Butte Co., Cal.—C. Freeman Smith, 5937 J St., Sacramento, submitted low bid to State Architect Geo. B. McDougall May 14 at $2418 for constructing a concession building in Chico state park.

Bids Wanted—To Close May 24, 2 P.M.
WHARF EXTENSION Cost, $100,000
SAN FRANCISCO. Pier No. 42.
140-foot timber shed extension and improvements to pier.
Owner—State of California (Harbor Commission) Ferry Bldg.
Plans by Engineering Dept. of Owner (Frank G. White, engineer).
Work includes portland cement, rails and fitting, creosoted piles, concrete aggregate, inert admixture, steel reinforcement, structural steel, cast iron, lumber, untreated Douglas fir piles, painting materials, etc.
Plans and specifications available at Room 18, Union Depot and Ferry Bldg. upon deposit of $20.00.

SAN FRANCISCO.—Until May 23, 11 A. M., bids will be received by the District Public Works Officer, Twelfth Naval District, 100 Harrison Street, for the construction of a water tank at the Receiving Ship Station, Yerba Buena Island, San Francisco Bay. Spec. No. 7687. Plans and specifications available from above office upon deposit of $5.00.

BIDS WANTED
OAKLAND, Alameda Co., Cal.—Until May 21, 4:30 P. M., bids will be received by A. H. Abel, Secretary Board of Oakland Port Commissioners, Rm. 73, Grove Street Pier, Oakland, for strengthening supporting structure of elevated water tank Outer Harbor Terminal, Oakland. Plans and specifications available from above office upon deposit of $5.

Owner Taking Bids.
STABLE ADDITION Cost, $2000
WOODSIDE, San Mateo Co., Calif. Old La Honda Road.
Wood frame addition to stable (shake roof, wood floors, etc.
Owner — Gerald C. Halsey, Old La Honda Road, Woodside.
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.

CONTRACT AWARDED
SAN FRANCISCO—Monson Bros., 475 Sixth St., at $990 awarded contract by Pacific Telephone & Telegraph Co., 445 Bush St., owner, for firewalls, smoke stack and tanks in the Davenport Office, 444 Bush St. and at $440 awarded contract for bracing firewalls tanks, etc., in Old Main Office, 445 Bush St.

BIDS OPENED
HAMILTON FIELD, Marin Co., Cal. —A. Soda & Son, 1077 65th St., Oakland, at $2,545 submitted low bid to the Signal Officer, Presidio of San Francisco, for construction of an extension of underground telephone cable system at Hamilton Field.
Complete bids follow:

A. Soda & Son, Oakland	$2,545
G. M. Gest, Oakland	3,990
Eureka Elec. Radio Co., S. F.	4,945
Globe Elec. Works, S. F.	5,439
Wm. A. Degen, Alameda	7,438

All bids held under advisement.

Sheet Metal Contract Awarded.
ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Calif. Holy Cross Cemetery.
One-story reinforced concrete addition to mausoleum (marble and bronze interior), 38 by 80 feet, 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1110 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco.
As previously reported, marble awarded to Vermont Marble Co., 525

Market St., at $27,637;roofing to J. W. Bender Roofing Co., 18th and Bryant Sts.; readymix concrete to South City Lumber Co., South San Francisco; reinforcing steel to W. C. Hauck & Co., 17th and Wisconsin Sts., S. F.; plumbing to Scott Co., 243 Minna St., S. F.

SALE OF BUILDINGS

OAKLAND, Alameda Co., Cal.—Until May 28, 10:30 A. M., bids will be received by Harry M. Stow, Secretary, Joint High School District No. 13, for the sale of buildings as follows:

One-story dwelling and garage, situated at 801 Tunnel Road, Oakland. The buildings will be sold at 10 A. M., on the premises, 801 Tunnel Rd, Oakland.

Two-story dwelling and double garage, located at 5722 Golden Gate Ave., Oakland. These buildings will be sold at 10:30 A. M., on the premises, 5722 Golden Gate Ave., Oakland.

Two-story dwelling and double garage, situated at 5730 Golden Gate Ave., Oakland. These buildings will be sold at 10:45 A. M., on the premises, 5730 Golden Gate Ave., Oakland

Contract Awarded.

REPAIRS Cost, $2000

OAKLAND, Alameda Co., Cal. SW Fourteenth St. and Broadway.

Sidewalk repairs.

Owner—S. H. Kress & Co., Premises.

Architect—Not Given.

Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.

Contract Awarded.

CLUBHOUSE, ETC. Cost, $——

COALINGA, Fresno Co., Cal. Nine miles east of city.

Nine-hole golf course and clubhouse, (work involves construction of a swimming pool, tennis courts, dance-floor, etc.)

Owner—Polvadero County Club.

Plans by William P. Bell.

Contractor—William P. Bell, Premises.

(4521) 19

CONTRACT AWARDED

CHICO, Butte Co., Cal.—C. Freeman Smith, 3937 J St., Sacramento, at $2418 awarded contract by State Department of Architecture for constructing concession building in Chico State Park. * 19

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal.—C. H. Dodd, 1738 West Rose Street, Stockton, at $3347 awarded contract by City of Stockton Port Commission for truck scale of forty-ton capacity. Following bids received

C. H. Dodd	$3347
L. S. Peletz	4100
S. M. McGaw	4250
Willard & Biasotti	4493
Toledo Scale Co.	6045

All bidders of Stockton. * 19

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

OAKLAND, Cal.—Following submitted identical bids at $24,983.13 to East Bay Municipal Utility District for furnishing 465 tons of reinforcing bars under Proposal No. 523:

Gunn, Carle & Co., San Francisco.
W. C. Hauck Co., San Francisco.
Judson Mfg. Co., Oakland.
Truscon Steel Co., San Francisco.
J. R. Boorman, Oakland.
W. S. Wetenhall, San Francisco.
Herrick Iron Works, Oakland.
Soule Steel Co., San Francisco.
Beattie Steel & Supply Co., Oakland.
Pacific Coast Steel Co., San Francisco.
*Concrete Engr. Co., San Francisco.

*Bid read as follows, no total submitted: (1) $2.55 (2) $2.55 (3) $2.55 (4) $2.55 (5) $2.75 (6) $2.55 (7) $2.65 (8) $2.75 (9) $2.95.

Prices follow:

(1) 880 ft. 1¼-in. sq.	$ 101.29
(2) 53,840 ft. 1-in. sq.	4,899.44
(3) 2,440 ft. ⅞-in. sq.	169.82
(4) 35,720 ft. ¾-in. sq.	1,828.86
(5) 432,800 ft. ½-in. sq.	10,560.32
(6) 165,000 ft. ¾-in., round	6,633.00
(7) 12,800 ft. ⅝-in. round	369.92
(8) 8,400 ft. ½-in. round	142.08
(9) 24,000 ft. ⅜-in. round	278.40

CONTRACT AWARDED

LOS ANGELES, Calif.—Pan-Pacific Piling & Const. Co., 2145 E. 25th St., Los Angeles, at $4901 awarded contract by the Los Angeles Harbor Commission, May 9 for furnishing and delivering approximately 11,600 lin. ft. of creosoted Douglas fir piles with 12-lb. treatment; Spec. 932.

CONTRACT AWARDED

LINDSAY, Cal.—The Union Oil Co., at $0.65 per bbl. submitted only bid and was awarded contract by the Lindsay City Council, May 8, for furnishing road oil for use on city streets. E. V. Begart, City Clerk.

CONTRACT AWARDED

LYON COUNTY, Nev.—Alpine Glass Co., Reno, at $3,396.75 awarded contract by State of Nevada Department of Highways, S. C. Durkee, State Highway Engineer, Carson City, May 10 for furnishing structural and reinforcing steel.

Identical bids submitted by the following firms:

Pacific Coast Steel Corp., San Francisco.
Soule Steel Co., San Francisco.
Macaulay Iron Works, Reno.
W. C. Hauck & Co., San Francisco.
W. S. Wetenhall Co. ,San Francisco.
Concrete Engr. Co., San Francisco.
Alpine Glass Co., Reno.
Truscon Steel Co., San Francisco.

The unit prices were:

(1) 82,000 reinf. steel (lbs.)	$.036614;
(2) 2,200 lbs. struc. steel	$247.00
(3) 400 lbs. 16-ga. annealed tie wire	$.0510;
(4) 10 rolls 10 gauge black annealed wire	$3.90 per CWT.;
(5) 1 roll 12 gauge do.	$5.00 per CWT;
(6) 200 sq. ft. premoulded expansion joint material at	$.4150.

Mortenson Const. Co., San Francisco, bid on structural steel only at $330.

The following bids were received for furnishing three expansion rockers:

Macaulay Iron Works, Reno, at $89 each, and Enterprise Foundry Corp., San Francisco.

Macaulay Iron Works bid $40.00 for furnishing steel expansion joint.

CONTRACT AWARDED

SAN FRANCISCO. — Alpha Stores, Ltd., Nevada City, at $75,010 submitted high bid and awarded contract by T. A. Brooks, Purchasing Agent, City Hall, under Sale No. 105, for the sale of miscellaneous equipment of Hetch Hetchy project.

Edward R. Bacon, San Francisco, at $64,000 submitted the only other bid.

BIDS OPENED

OAKLAND, Cal.—Following submitted identical bids at $1.80 per barrel, total $13,500, to East Bay Municipal Utility District for furnishing 7,500 bbls. more or less, of Portland cement, fob San Pablo, under Proposal No. 522:

Henry Cowell Lime & Cement Co., Oakland.

Santa Cruz Portland Cement Co., San Francisco.

Pacific Portland Cement Co., San Francisco.

Yosemite Portland Cement Co., San Francisco.

Calaveras Cement Co., San Francisco.

*Hirt & Lloyd.

* A bid was submitted at $15,600 ($2.08 per bbl.) for delivery fob Orinda.

CONTRACT AWARDED

LOS ANGELES Calif.—Consolidated Steel Corp., Ltd., has been awarded a contract at $17,355 by the Los Angeles Water and Power Commission, 207 S. Broadway, for furnishing butterfly valves under Spec. No. 1385.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

Phone TRinity 0241 for —

Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel

Consolidated Rock Products Co.

656 S. Los Angeles St. Los Angeles, Calif.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

WAR DEPARTMENT

FORT MASON, San Francisco.—Until May 21, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Bid No. 928-34-243 miscellaneous for furnishing the following: 122 carbon steel twist drills; 6 emery wheel bench (hand power) grinders; 8 metal slitting saws; five solid tooth, circular saws; 12 aluminum oxide grinding wheels; 250 handles; 4,125 steel square head, machine bolts; 8,400 bright steel stove bolts; 500 grass hooks; 1 portable farm motor; 1 tractor harrow.

Specifications obtainable from above office.

HAMILTON FIELD, Cal.—Until May 22, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, San Rafael, for furnishing:

(1) 264 bbls. Portland cement;
(2) 100 cu. yds. sand;
(3) 200 cu. yds. gravel ¾-in.;
(4) 200 cu. yds. gravel 1¼-in.;
(5) 800 lin. fe. 6-in. T. C. drain tile.

Specification 6754-34-45, obtainable from above office.

FORT MASON, Cal.—Until May 24, 10 A. M., bids will be received by the Quartermaster Supply Officer, Fort Mason, San Francisco, under Schedule 928-34-245, for the following: 1 electric griddle; 1 electric toaster; 1 electric kettle; 1 rubber mat; 50 yards rubber matting. Specifications obtainable from above.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until May 22, 3 P. M., bids will be received by R. H. Stalnaker, Equipment Engineer, Division of Highways, 1805 34th Street, Sacramento, for the sale of the following used equipment:

CHC 3333 truck, Chevrolet with 1-yd. hand dump body;
CHC 477 tractor, Allis-Chalmers 35-hp. tracklayer;
CHC 97 rock drill, Ingersoll - Rand, jackhammer type;
CHC 96 kettle, 65-gal., 2-wheel, R. T., for asphalt heating;
CHC 35 scarifier, Killefer, rubber tired with forty 20-in. discs;
CHC 55 snow plow, Rightway rotary with "V" plow;
CHC 68 snow plow, do.
23 steel bars, approximately 10 tons of SAE Spec. 2320 and 2330.

Bidders may make offers for one or more items but must state price of each item.

The above equipment may be inspected at the Division of Highways yards, 1805 34th St., Sacramento, any working day between the hours of 9 A. M. and 5 P. M.

EUREKA, Humboldt Co., Cal.—Until May 22, 3 P. M., bids will be received by W. H. Pierce, Superintendent of Equipment, Shop 1, Division of Highways, Eureka, for the sale of the following equipment:

CHC 47 compressor, Ingersoll-Rand 5x5-in., portable, type 20, with Waukesdo engine and steel running gear;
CHC 140 rock drill, Ingersoll - Rand jackhammer type;
CHC 149 rock drill, Cleveland jackhammer type;
CHC 150 rock drill, do;
CHC 354 road grader, Galion 8-ft. rubber tired;
CHC 91 pump, Deane Hill, 5½x8-inch Triplex on skids with 30-hp. Pittsburg gas engine;
CHC 456 tractor, Caterpillar "30";
CHC 143 gas engine, Holt 35-hp., on steel skids;
Miscellaneous surplus parts for trucks, hydraulic hoists, tractors, road graders and rock drills.

Equipment not excepted may be inspected at the Division of Highways yards, Eureka, on any working day from 8:30 A. M. to 4:30 P. M. Portions of "Miscellaneous parts" may be seen on any working days at the Willits shop.

MADERA COUNTY

MADERA, Madera Co., Cal.—Until June 11, 8 P. M., bids will be received by the Board of Trustees of the Madera Union High School Building, for the following: One only three-ton bus chassis containing 110 hp. motor with power to make 50 miles per hour loaded. 65-in. or 70-in. tread, and wheel base to suit body builder, heavy duty 8-25-20 bus balloon tires, single front, and dual rear, mounted on 8-25-20 rims, with spare tire and rim same as above. Voltage Regulator; Heavy Duty electrical system, and Booster Brakes in addition to regular brakes.

One 48-passenger school bus body to be mounted on above chassis.

Both chassis and body shall meet all state requirements and have all required equipment. J. L. Davis, president and C. M. Petty, clerk.

NAVY DEPARTMENT

PUGET SOUND, Wash.—Until May 22, 10 a. m., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Washington, under Schedule No. 490 NS for furnishing 1800 long paddled dauber brushes.

Further information available from the above office.

MARE ISLAND, Cal.—Until May 29, bids will be received by Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for ten dishwashing machines for Mare Island. Schedule No. 2428.

MARE ISLAND, Cal.—Until May 29, bids will be received by Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for 100 revolving desk chairs, aluminum, with arms. Schedule No. 2487.

WASHINGTON, D. C.—**Bids will be** received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment as follows:

STEEL, grade P, slab; 44,000 lbs.; Puget Sound. Sch. 2445; May 22.
FITTINGS, lubricating gun, Mare Island and Puget Sound. Sch. 2462; May 25.
BALSA, 50,000 ft. B.M.; Mare Island; 20,000 lbs. lignum-vitae, Mare Island; 15,000 ft. mahogany, Mare Island. Sch. 2486; May 29.
COMPOUND, boiler, 30,000 lbs., Puget Sound. Sch. 2464; May 29.
MACHINES, electrically operated dough mixing and spares; Mare Island. Sch. 2470; May 29.
MACHINE, electrically operated meat chopping and spares; 2 for Mare Island. Sch. 2479; May 29.
BRUSHES, dauber, 1000 for Mare Island; 800 for Puget Sound. Sch. 2476; May 29.
CABLE, cord and wire, electric; East and West Yards. Sch. 2489; May 29.
CABLE, electric and cord; East and West Yards. Sch. 2490; May 29.

Specifications obtainable from above office.

CALIFORNIA STATE

EL CENTRO, Imperial Co., Calif.—Until May 21, 10 A. M., bids will be received by State Purchasing Agent, 323 State Capitol, Sacramento, under Quotation 43256, Requisition No. 516, for furnishing one 10-ft. leaning wheel pneumatic-tired grader with scarifier attachment fob El Centro, Division of Highways Shop 11.

Specifications obtainable from above office.

SAN DIEGO, Cal.—Until May 22, 3 P. M., bids will be received by the State Department of Public Works, Division of Highways, 664 Front St., San Diego, R. J. Carlisle, Supt. of Equipment, for the sale of equipment as follows:

CHC 430 Tractor; Catepriller "20".
CHC 290 Tractor; 10-20 McCormick-Deering, R. T.
CHC 430 Tractor; Caterpillar "20".
CHC 91 Kettle; Asphalt Heating, 2-wheel, R. T., 110-gal. capacity, Spearswells.
CHC 132, Kettle; Asphalt Heating, 110 gal. capacity, Spearswells.
CHC 166 Kettle; Asphalt Heating, 2-wheel, R. T., 150-gal. capacity.

Bidders may make offers for items, as is and where is, but must state price offered for each item. No lump sum bids will be considered.

The above equipment may be inspected at the Division of Highways' yard at 664 Front St., San Diego, on any working day between the hours of 8:30 A. M. and 4:30 P. M.

U. S. POST OFFICE DEPT.

OROVILLE, Butte Co., Cal.—Until May 21, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for wood slat shades for two skylight openings in the U. S. Post Office, Oroville. Proposal No. 1447.

YUMA, Ariz.—Until May 25, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for 68 Venetian blinds for the U. S. Post Office, Yuma, Ariz. Proposal No. 1439.

VETERANS' ADMIN.

LIVERMORE, Alameda Co., Calif.—Until May 28, 3 P. M., bids will be received by E. W. Tallman, Veterans' Administration Facility, Livermore, for one 125-hp. full Diesel type engine with right angle gear drive for deep well vertical turbine pump. An alternate proposal calls for equipment, including 125-hp. Diesel motor with V-belt driven pump head.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

PROSPECTIVE BIDDERS

SACRAMENTO COUNTY, Cal.—Following have procured plans for the construction of trestles in Sacramento County, one on the Lower Marysville road; one on the Wilder Ferguson road over the Consumnes river; one on the Lower Stockton road at Bensons Ferry, and the construction of a timber deck on existing piles at south end of Fair Oaks bridge, Fair Oaks. Bids will be received by the Sacramento County Board of Supervisors, Court House, Sacramento, until May 21, 10 A. M., as previously reported:

Alfred H. Vogt Co., 250 11th Street, San Francisco.

F. O. Bohnett, Campbell.

M. B. McGowan, Inc., 74 New Montgomery St., San Francisco.

M. A. Jenkins, 3560 Y St., Sacramento.

Cambpell Const. Co., 800 R St., Sacramento.

P. F. Bender, 1012 Del Paso Blvd., Sacramento.

F. H. Betz and J. M. Yoho, 1017 43rd St., Sacramento, and George W. Kopp 1514 15th St., Sacramento, have taken out plans and specifications on the timber deck at Fair Oaks only.

Plans and specifications obtainable from the County Engineer, John J. Rooney.

CONTRACTS AWARDED

STATE OF WASHINGTON. — Following are the bids received and contracts awarded by L. V. Murrow, Director of Highways, Olympia, May 8, for bridge construction:

Spokane Co.—Bridge and Paving, Etc.

Charles A. Power, 27 8th St., Spokane, at $38,889 awarded contract for constructing a 244.5 foot bridge and paving 0.2 mile of State Road No. 2, Spokane west, Rosamond Ave. Overcrossing and approaches in Spokane.

The other bids were:

Clifton & Applegate, Spokane.....$39,990
House & Shinn, Spokane..... 40,940

Walla Walla Co.—Overhead Crossing

D. Nygren, Lloyd Bldg., Seattle, at $67,153 awarded contract for constructing overhead railway crossing & paving 0.2 mile of State Road No. 3, Pine Street undercrossing and approaches, in Walla Walla.

The other bids were:

J. H. Collins and H. C. Amalott, Walla Walla $69,002
Clifton & Applegate, Spokane.... 69,907

King and Snohomish Counties Eight Pile Trestles

Wilder & Montfort, Blaine, at $31,154 awarded contract for constructing 8 pile trestles on State Road No. 15, Money Creek to Halford.

Justafson & Olson, Seattle, at $38,500 submitted the only other bid.

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until May 22, 2 P. M., bids will be received by H. R. Marsh, Assistant Supply Officer, Forest Service Supply Depot, Government Island, under Bid No. 961, for furnishing and fabricating all structural steel for two suspension bridge towers and four anchorages, and for bolts for field connections, and all miscellaneous steel portions necessary for erection.

Delivery fob bidder's shipping point and/or fob Auburn.

Further information obtainable from the U. S. Forest Service Bridge Engineer, 85 Second St., San Francisco.

CONTRACT AWARDED

LOS ANGELES, Cal. — Commercial Shearing & Stamping Co., Youngstown O. (represented in L. A. by W. H. Collins, 1138 Glenville Drive), at $115,280, f. o. b. Youngstown, awarded contract by the Metropolitan Water District, May 11, for furnishing 8000 structural steel "I" beam ribs, splice plates and base plates for tunnel support, about 2350 tons.

DAY'S WORK

SAN JOSE, Santa Clara Co., Cal.—The Company's forces of the Southern Pacific Co., 65 Market St., San Francisco, have started preliminary work on the construction of a reinforced concrete and steel three-track subway on Julian St., San Jose. Estimated cost, $125,000.

BIDS WANTED

SANTA BARBARA COUNTY, Cal.—Until June 6, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a reinforced concrete slab bridge over the existing highway near the easterly limits of the City of Santa Barbara, consisting of one 55-ft. span; two 35-ft. spans, and two 11-ft. end cantilevers. The work involves:

(1) 620 cu. yds. struc. excav.;
(2) 1260 cu. yds. Class A Portland cement concrete;
(3) 174,000 lbs. bar reinf. steel;
(4) 222 lin. ft. timber railing;
(5) 100 lin. ft. 8-in. C.M.P.;
(6) 2 each spillway assemblies;
(7) 1 lot miscellaneous items of work.

Plans and specifications obtainable from above office and on file at the offices of the District Engineer in San Francisco, Los Angeles, and the District in which the work is located.

CONTRACT AWARDED

MERCED COUNTY, Calif.—M. A. Jenkins, 3560 Y St., Sacramento, at $10,935 awarded contract by the State Highway Commission, Sacramento, for removing existing timber trestle spans and constructing one 120-ft. truss span and five steel beam spans an timber pile bents across Merced river at Cox Ferry, Merced County.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

22—DREDGING HARBOR WORKS EXCAVATION

PLANNED

SAN DIEGO, Cal.—Application has been made by the Harbor Department, City of San Diego, for War Department permit to dredge and fill in San Diego Bay in the vicinity of the Roseville-La Playa section, the project being known as San Diego Municipal Yacht Harbor. Drawing showing the location and plan of the proposed harbor improvement may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until 11 A. M., Thursday, May 17, or at the office of the port director, Foot of Broadway, San Diego. H. H. Stickney, Major, Corps of Engineers, Dist. Engineer.

LOW BID

LOS ANGELES, Cal. — Standard Dredging Co., Central Bldg., Los Angeles (TR 3253), submitted low bid to Major H. H. Stickney, U. S. Engineer, Los Angeles, May 10, at $9.95 per hour, for test borings in Newport Bay in connection with the Newport Harbor Federal Public Works Project. The work involves about 150 borings on the basis of furnishing plant, materials, labor and launch for a period estimated at 160 hours. The other bids were:

Sparkes & MacClellan, Newport Beach $12.50 per hour.
Hull, Smale & Ramage, Wilmington, $13.70.
Balboa Boat Works, Balboa, $19.75.

HEARING SET

PETALUMA, Sonoma Co., Cal.—Col. H. A. Finch, District Engineer for the U. S. War Dept., will conduct a hearing Tuesday, May 22, at 2:30 P. M., in the Petaluma City Hall on the proposed Petaluma Creek harbor improvement project. It is proposed to provide a channel 8-ft. deep and 200 ft. wide in San Pablo Bay to the mouth of the creek thence 100 ft. wide to Western Ave., a turning basin, thence a 4-ft. channel 50-ft. wide to Washington St. bridge and a 40-ft. width to a point 935 ft. above the bridge.

BIDS OPENED

SACRAMENTO, Cal.—G. F. Cloud, Woodland, at $5.20 per hour, total, $1144, submitted low bid to Capt. J. G. Drinkwater, District Engineer, Rm. 208 Post Office Bldg., Sacramento, under Spec. No. 6364, for furnishing and operating one dragline for approximately 220 hours, in the vicinity of West Sacramento. Following bids received:

G. F. Cloud, Woodland, per hour $5.20 $1144.
J. R. Reeves, Sacramento. $5.35; $1155
Wieland Equipment Co., Berkeley, $6.20; $1364.
Delta Dredging Co., Pittsburg, $6.95; $1529.

BIDS WANTED

COWLITZ RIVER, Wash. — Until May 22, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-670, for repairing fifteen dikes placing riprap stone and grading river bank, all in the Cowlitz river between two and eight miles above its mouth. The work involves:

(1) 5,080 lin. ft. piles in place;
(2) 14.0 MFBM timber in place;
(3) 600 lbs. hardware in place;
(4) 800 cu. yds. stone, shore rock, in place;
(5) 405 each piles, pulling and disposal.

Plans and specifications obtainable from the above office.

BIDS OPENED

RICHMOND, Contra Costa Co., Cal.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at $17,920 ($2.24 per ton) submitted low bid to the U. S. Engineer Office, 401 Customhouse, San Francisco for furnishing and placing 8,000 tons of stone on the training wall in Richmond Harbor.

The other bids were:

Hutchinson, Co., Oakland (ton $2.40; (Total) $19,200.

Basalt Rock Co., Napa, $2.50; $20,000.

Blake Bros., Co., San Francisco, $2.60; $20,800.

Engineer's estimate, $1.89; $15,179.

All bids held under advisement.

BIDS REJECTED

LOS ANGELES, Cal.—The Los Angeles Harbor Department at a special meeting May 10 rejected all bids received April 4 for finger piers, wharves and miscellaneous construction for Los Angeles Fish Harbor Extension; Spec. No. 929, on which the Pan-Pacific Piling & Const. Co., was low bidder at $119,250. All bids for the rock entrance jetties under Spec. No. 928, on which the Los Angeles Harbor Dept. were low bidders at $132,300, were also rejected.

Revision will be made to the specifications in compliance with government requirements and the projects will be re-advertised at a later date.

BIDS WANTED

SACRAMENTO, Cal.—Until May 21, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. 6363, for furnishing approximately 600 tons rip-rap stone for wing dame in the vicinity of Sacramentc. Delivery f.o.b. cars at bidder's plant and/or f.o.b. cars at Sacramento.

Specifications obtainable from above

BIDS OPENED

ANGEL ISLAND-Fort Baker.—O. G. Ritchie, 154 N. 11th St., San Jose, at $1,695 submitted low bid to the Signal Officer, Presidio of San Francisco, for laying a submarine telephone cable between Angel Island and Fort Baker.

Complete bids follow:

O. G. Ritchie, San Jose	$1,695
Globe Electric Works, S. F.	5,645
Severin Elec. Co., S. F.	5,914
Ben C. Gerwick, S. F.	8,187
M. B. McGowan, S. F.	9,863

All bids held under advisement.

PERMIT ASKED

SAN DIEGO, Calif.—Application has been made by the Superintendent of Lighthouses, 18th District, San Francisco, for War Department permit to lay a submarine power cable from North Island to Beacon 6 in San Diego Bay. Drawings showing the location and plan of the proposed installation may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until May 24, 11 A. M., or at the office of the Superintendent of Lighthouses, Customhouse, San Francisco. H. H. Stickney, Major, Corps of Engineers, District Engineer.

23—IRRIGATION PROJ.

PROSPECTIVE BIDDERS

YUMA, Ariz.—Contractors and others who have procured plans and specifications for the construction of about 30 miles of the All-American Canal for which bids will be received by the Bureau of Reclamation, Yuma, Ariz., June 7, at 10 A. M. (previously noted) are:

G. C. Baker, Southern Pacific Co., Yuma, Ariz.

J. H. Boyce Sons Co., Baton Rouge, Louisiana.

C. L. Benedict, Banning, Calif.

Beeson Engr. Co., Ltd., 2501 E 52nd St., Los Angeles.

Callahan Const. Co., 1220 Arcade Bldg., St. Louis.

F. H. Cothran, 917 Queens Road, Charlotte, N. C.

V. R. Dennis Const. Co., P. O. Box F, Sta. A, San Diego.

L. E. Dixon Co., 709 S Grand Ave., Los Angeles.

Griffith Co., 1060 South Broadway, Los Angeles.

Gardner-Denver Co., 845 E. 61st St., Los Angeles.

Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.

Hydraulic Dredging Co., Ltd., Central Bank Bldg., Oakland.

Huise Anderson Tractor & Equipment Co., Yuma, Ariz.

Ingersoll-Rand Co. of California, 1460 E. 4th St., Los Angeles.

Jahn & Bressi Const. Co., Inc., Lane Mortgage Bldg., Los Angeles.

MacDonald & Kahn, Ltd., Financial Center Bldg., San Francisco.

Bucyrus Erie Co., 777 E. Gage Ave., Los Angeles.

S. S. Magoffin Co., Inc., Adrian, Ore.

Mittry Bros. Cnost. Co., 5531 Downey Road, Los Angeles.

B. Perini & Sons, Inc, Framingham, Mass.

Geo. Pollock Co., 1011 Forum Bldg., Sacramento.

Smith, Booth, Usher Co., 2001 Santa Fe Ave., Los Angeles.

Sharp & Fellows Contr. Co., 553 Central Bldg., Los Angeles.

J. A. Thompson, 704 S. Spring St., Los Angeles.

Thompson & Peck, 354 S. Spring St., Los Angeles.

C. S. Van Brundt Co., 801 S. Grand View Ave., Los Angeles.

West Const. Co., Whitewater, Cal.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

Mark C. Walker & Son Co., First National Bank Bldg., Omaha, Neb.

Clyde W. Wood, Box 444, Blythe, Calif.

Marion Steam Shovel Co., 316 East 3rd St., Los Angeles.

Mark C. Walker & Son Co., First National Bank Bldg., Omaha, Neb.

Bechtel Co., 155 Sansome St., San Francisco.

Frank Doran, 345 Spreckels Bldg., San Diego.

Foley Bros., New York Bldg., St. Paul, Minn.

Guthrie McDougall Co., 552 Sherlock Bldg., Portland, Ore.

Sauerman Bros., Inc., 438 S. Clinton St., Chicago.

Bethlehem Shipbuilding Corp., San Francisco.

Martin Day Co., 312 Little Building, Lincoln, Neb.

E. T. Olson, Y.M.C.A. Hotel, 715 S. Hope St., Los Angeles.

Morrison - Kundsen Co., 1121 Title Guarantee Bldg., Los Angeles.

West Slope Const. Co., Azusa, Cal.

E. T. Foley, Huntington Hotel, Pasadena, Calif.

The Carleton Co. Inc., 500 5th Ave., New York City.

Addison Miller, Inc., 1111 Bldrs. Exchange Bldg., St. Paul, Minn.

Barrett & Hilp, 918 Harrison Street, San Francisco.

Horton Price Const. Co., Lake Providence, La.

John Phillips Co., 206 Sansome St., San Francisco.

Gardner-Denver Co., Denver, Colo.

Imperial Valley Irrigation Dist., Imperial, Calif.

Coachella Valley County Water District, Coachella, Calif.

A. C. Howe Machy. Co., 315 E and C Bldg., Denver, Colo.

Fraser Brace Corp., 10 E. 40th St., New York City.

J. M. Johnson, 1330 High St., Denver, Colo.

American Surety Co. Patterson Bldg. Denver, Colo.

Henry J. Kaiser Co., 1522 Latham Square Bldg., Oakland, Calif.

Roy Jacoby, % Marion Steam Shovel Co., Kansas City, Mo.

Mrs. F. C. Ruhloff, % Bucyrus-Erie Co., South Milwaukee, Wis.

F. B. Jennings, % Marion Steam Shovel Co., Kansas City, Mo.

Peterson, Shirley and Gunther, 1411 W.O.W. Bldg., Omaha, Neb.

Edward Peterson Co., W.W. Bldg., Omaha, Neb.

Worthington Pumps & Machinery Co., 1706 Welton St., Denver, Colo.

J. E. Bloom, % Hoffman Hotel, 137 Cedar Ave., Long Beach, Calif.

Link-Belt Co., Chicago.

Warren Bechtel, Biltmore Hotel, Los Angeles.

W. E. Callahan Const. Co., 1220 Arcade Bldg., St. Louis.

L. D. Crawford, King Hotel, Baton Rouge, La.

Morrison-Knudsen Co., P. O. Box 1518, Boise, Ida.

M. S. Hoyt, Philadelphia, Pa.

Mason D. Pratt, Oakland, Calif.

Canal Const. Co., Box 386, Memphis, Tenn.

D. L. Farleton, 1406C Ambassador Bldg., St. Louis.

R. C. Wilkerson, Inc., Vicksburg, Mississippi.

Bucyrus-Erie Co., Kansas City, Mo.

Bucyrus-Erie Co., South Milwaukee, Wisconsin.

BIDS WANTED

YUMA, Arizona—Approximate quantities of earthwork excavation for the All-American Canal, from Station 245 to Station 1860, for which bids will be received by the Bureau of Reclamation, at Yuma, Arizona, at 10 A. M., June 7 (previously noted) are shown below. The schedules and items follow:

Bids will be considered on all or any number of the following schedules. Bidders may make such stipulations as they desire regarding combination of the schedules, but no bid will be considered for only a part of any schedule.

Schedule No. 1—Sta. 245 to Sta. 537

(1) 1,290,000 cu. yds. excav. canal, common, Sta. 245 to Sta. 324;
(2) 4,225,000 cu. yds. excav. canal, common, Sta. 324 to Sta. 537;
(3) 10,000 cu. yds. excav. canal, rock;
(4) 34,000 cu. yds. excav. of Yuma Canal, common (reconstr. portholes);
(5) 13,000 cu. yds. excav. Yuma Canal rock (reconstr. at portholes);

Schedule No. 2—Sta. 537 to Sta. 800

(6) 5,800,000 cu. yds. excav. of canal, common;

Schedule No. 3—Sta. 800 to Sta. 1089

(7) 6,100,000 cu. yds. excav. of canal, common;

Schedule No. 4—Sta. 1089 to Sta. 1400 (except Stations 1140+50 to 1148+50 to 1148 +50 and Station 1161+00 to 1170+50)

(8) 7,150,000 cu. yds. excav. of canal, common;
(9) 5000 cu. yds. excav. of canal, com.

Schedule No. 5—Sta. 1400 to Sta. 1625

(10) 7,650,000 cu. yds. excav. of canal, common;

Schedule No. 6—Sta. 1625 to Sta. 1860

(11) 7,100,000 cu. yds. excav. of canal, common;

Schedule No. 7—Sta. 1140 +50 to Sta. 1148+50 and Sta. 1161+00 to Sta. 1170+50.

(12) 40,000 cu. yds. excav. of canal com.

24—ST. LIGHT. SYSTEMS

BIDS WANTED

WALLA WALLA, Wash. — Until June 12, 2:30 P. M., bids will be received by Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing revisions to street lighting and fire alarm systems at the Veterans' Administration Facility, Walla Walla. Project No. 825. Specifications available from above office.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

BOULDER CANYON, Nev.—General Electric Company awarded the following contracts by the Bureau of Reclamation, Denver, under Spec. 565, for furnishing power transformers:

Delivery at Pittsfield and Pt. Richmond:

(1) 7 55,000-kva transformers, $925,940.
(2) 7 55,000-kva transformers, $834,513.
(3) 4 13,333-kva transformers, $115,300.

LOW BIDDERS

PUGET SOUND, Wash. — Morgan Engineering Co., Alliance, Ohio, at $13,560 submitted low bid to the Bureau of Yards and Docks, Washington, D. C., for remodeling 2 bridge cranes and transporting them from Charleston, W. Va., to the Puget Sound Navy Yard, Washington, under Spec. 7590.

The Shaw Box Crane & Hoist Co., Muskegon, Mich., at $44,930 submitted second low bid.

The Harnischfeger Sales Corp., 4445 W. National Ave., Milwaukee, at $44,420 submitted low bid for furnishing new cranes.

Shepherd-Niles Crane & Hoist Co., Niles Division, Meffler St., Philadelphia, at $48,366 submitted second low bid for furnishing new cranes.

CONTRACT AWARDED

KERN COUNTY, Cal.—Bevis Machinery Co., 3649 Santa Fe Ave., Los Angeles, was awarded contract by the State Department of Public Works, Division of Highways, District Engineer, Fresno, at prices shown below, for the rental of one pump for use on State Highway (Ker-58-D), Sivert to Hayfress Canyon, a day labor job. The bids were:

Bevis Machinery Co., Barnes type, Model 35-B, 1 year in service, Hercules Model "O" engine; 60c per hour first month, 35c per hour second and fourth month; delivery 3 days; all repairs by state.

Edward R. Bacon Co., San Francisco Barnes Model 40, Serial No. 60030, time in service unknown; Hercules Model "O"; 60c per hour; delivery 5 days; all repairs by state.

CONTRACTS AWARDED

YUBA CITY, Sutter Co., Cal.—Patchett & Cartensen, Newman, at $1,723.50 and Earl Huffmaster, Yuba City at $1831.04 awarded contracts by the Yuba City High School District May 4 for furnishing one body and one Reo chassis, respectively, for a new school bus for the district.

BIDS OPENED

EUREKA, Humboldt Co., Cal.—Following bids received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, for truck rental:

Water Sprinkler Truck: One 950-gal. water sprinkler truck, for approximately 120 hours, to be used in the vicinity of Boonville, Mendocino Co.: (price per hour, operated):

Ashurst Bros., Hopland $2.95
Wm. Kern, Weott 3.20

Bids held under advisement.

Tank Truck: One 2500-gallon tank truck with 2500-gal. tank trailer attached, for approximately 120 hours; to be used in heating and hauling about 235 tons of 90-95% road oil cutback with kerosene from Cloverdale to the Boonville Maintenance Yard, a distance of about 56 miles: (price per hour, operated):

Chas. Kuppinger, Lakeport $6.00
Albert Helwrig, Sebastopol 18.90

Bids held under advisement.

Water Sprinkler Truck: One 950-gal. water sprinkler truck for approximately 160 hours to be used in the vicinity of Kelseyville, Mendocino Co. (Price per hour, operated):

Ashurst Bros., Hopland $2.85
Wm. Kern, Weott 3.50

Bids held under advisement.

CONTRACT AWARDED

FORT MASON, Cal. — The Pelton Water Wheel Co., 2929 19th St., San Francisco, at $410 awarded contract by the Quartermaster Supply Office, San Francisco General Depot, Fort Mason, for furnishing one vertical brine agitator for use in tank 3-feet deep having a capacity of 100 100-lb. ice cans.

26— RAILROADS

BIDS OPENED

BRODERICK, Yolo Co., Cal.—J. R. Reeves, R. F. D., Box 100, Sacramento, at $10,335.85 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, for raising and resetting two vegetable packing buildings, removing and replacing about 1160 ft. of railroad siding, raising power line poles, and performing incidental work, in the government spoil disposal area near Broderick Station, Yolo County. Specification No. 6355. Bids were taken as follows:

(1) 400 cu. yd.s furnishing and placing track ballast;
(2) Lump sum, removing track, shaping subgrade and replacing track
(3) 11 poles, raising power line poles and electric wire;
(4) Lump sum, raising and resetting Yolo Lettuce Growers' Packing House, including re-installation of water supply and sewage disposal systems;
(6) 720 cu. yqds. shaping sub-grade and furnishing and placing driveway gravel.

Complete bids follow:

J. R. Reeves, Sacramento, total, $10,335.85. Unit bids follow: (1) $1.60; (2) $2134; (3) $75; (4) $3400; (5) $2000; (6) $1.90.

Carl Averaa, Richmond, total, $10,605; Unit bids follow: (lump sum bids) (1) $636.70 (2) $2134; (3) $825; (4) $3442; (5) $2190; (6) $1377.30.

D. J. & T. Sullivan, Inc., San Francisco bid on items (4) $4864 and (5) $6475 only.

Hansen Bros., San Francisco, submitted a lump sum bid at $10,886.

All bids held under advisement.

BIDS WANTED

SAN FRANCISCO.—Columbia Steel Co., Russ Bldg., at $3,841 (item 1) and $1,044 (item 2) submitted low bid to T. A. Brooks, Purchasing Agent, City Hall, under Bid 1188, for furnishing:

(1) electric skew crossing for Potrero Ave. and 24th St.;
(2) 1 switch, 1 mate, and 1 frog for same and 1 spring box and mechanism for switch tongue.

The other bids were:

Pacific Coast Steel Co., San Francisco, (1) $4098; (2) $1080.

Buda Co., San Francisco, (1) $4630; (2) $1163.

All bids held under advisement.

BIDS WANTED

SAN FRANCISCO.—Until May 21, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, under Bid No. 1198, for furnishing track supplies, spikes, bolts, tie rods, and joint plates. Specifications obtainable from the above office.

LOW BIDDER

FORT PECK, Mont.—Addison Miller Inc., 1111 Builders Exchange Bldg., St. Paul, Minn., at $349,933 submitted low bid to the U. S. Engineer, Kansas City Mo., May 4, for the construction of trestle and track for upstream tunnel spur and upstream toe of dam, near the Missouri river, approximately 25 miles southeast of Glasgow, Montana, Fort Peck Dam.

BIDS WANTED

SAN FRANCISCO—Until May 21, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing 5000 7-in. by 8-in. by 8-in. No. 1 split California Redwood Ties. Specifications obtainable from above office. Bid No. 1199.

May 12, 1934

PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Harbor Commission, on May 9, approved plans and specifications for PWA Project, Docket No. 3648, Municipal Terminal Railway extension at Los Angeles Harbor. Upon execution of the agreement by the department, the documents will be returned to the administration for final approval.

The project will involve the construction of 13,300 lineal feet of single line track, a 250-ft. wood trestle and eight crossings, and will include all grading, ballasting, the laying of ties, etc. Estimated cost $200,000.

27—FIRE ALARM SYSTEM

BIDS WANTED

WALLA WALLA, Wash. — Until June 12, 2:30 P. M., bids will be received by Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing revisions to street lighting and fire alarm systems at the Veterans' Administration Facility, Walla Walla. Project No. 825. Specifications available from above of-

28—FIRE EQUIPMENT

TO ASK BIDS

HEALDSBURG, Sonoma Co., Cal.—Healdsburg City Council plans to receive bids in June for furnishing a new fire truck for the City Department.

TO ASK BIDS

MADERA, Madera Co., Cal.—Madera City Council will ask bids shortly for furnishing an additional fire truck for the City Department. A bond issue of $9000 for purchase of the equipment was voted recently at a special election.

30—RESERVOIRS & DAMS

APPROPRIATION APPROVED

SANTA BARBARA, Cal.—The Public Works Administration, Engineering Department, has tentatively approved Santa Barbara's application for a $1,750,000 federal appropriation for construction work to double the capacity of the Gibraltar reservoir. The appropriation is contingent upon the sum of $750,000 being raised by the City. The application will now be presented to the finance committee for final approval. The proposed work, as outlined by Quinton, Code & Hill-Leeds & Barnard, 712 Standard Oil Bldg., Los Angeles, includes:

(1) GIBRALTAR DAM—It is planned to raise the present concrete arch dam by placing a paved rock fill downstream from, but integral with the concrete structure. The storage ca-

pacity of the reservoir will be increased from 12,500 acre feet to approximately 40,000 acre feet. The project involves:

Rock Fill Dam

(1) 80,000 cu. yds. excavation;
(2) 3000 cu. yds. excav. for cut-off wall;
(3) 894,000 cu. yds. rock and fill in place;
(4) 4000 cu. yds. cut-off wall concrete;
(5) 9900 cu. yds. grouting.

Spillway

(1) 105,000 cu. yds. portal excavation;
(2) 19,000 cu. yds. tunnel excav., rock;
(3) 1000 cu. yds. shaft excav., rock;
(4) 4750 cu. yds. tunnel lining, concr.;
(5) 4500 cu. yds. channel paving;
(6) 1330 cu. yds. shaft wall concrete.

Outlet Works

(1) 200 cu. yds. excav., intake tower;
(2) 720 cu. yds. concrete, intake tower;
(3) 450 cu. yds. excavation, tunnel;
(4) 210 cu. yds. concrete, tunnel lining
(5) Foot bridge on tower of dam;
(6) Gates and operating mechanisms.

Estimated cost, $1,920,800.

(2) SHEFFIELD DAM AND RESERVOIR—It is planned to raise and strengthen the dam and provide for storage of 60,000,000 gallons, involving:
(1) 60,000 cu. yds. excavation and fill;
(2) 400,000 sq. ft. concrete lining;
(3) 800 cu. yds. concrete ribs;
(4) Expansion joints;
(5) Tile drains;
(6) Oil macadam surface;
(7) Gate house;
(8) Surface drainage ditches.

Estimated cost, $177,000.

(3) EL CIELITO RESERVOIR—A circular concrete structure with a capacity of 1,00,000 gallons to provide service for the Mission Ridge section of the city, involving:
(1) 5000 cu. yds. excav., earth and rock;
(2) 650 cu. yds. concrete;
(3) 10,000 sq. ft. roof;
(4) Pipe, valves and fittings.

Estimated cost, $25,200.

(4) LA MESA RESERVOIR—A circular, concrete structure with a 2,000,000 gallon capacity, to provide service to the mesa region, involving:
(1) 8000 cy. yds. earth excavation;
(2) 900 cu. yds. concrete;
(3) 14,000 sq. ft. roof;
(4) Pipe, valves and fittings.

Estimated cost, $33,000.

(5) Replace supply lines and distribution mains from Mission tunnel to Sheffield reservoir, involving:
(1) 7200 lin. ft. 24-in. steel supply line
(2) 1500 lin. ft. 16-in. cast iron pipe;
(3) 10,880 lin. ft. 12-in. cast iron pipe;
(4) 18,550 lin. ft. 8-in. cast iron pipe;
(5) 11,350 lin. ft. 6-in. cast iron pipe;
(6) Pipe, valves and fittings, in place.

Estimated cost, $169,400.

(6) Shop building.
(1) 4400 sq. ft.;
(2) 250 cu. yds. foundation, concrete;
(3) 4-car garage.

Estimated cost, $21,800.

AWARD

TULARE & KINGS COUNTIES, Cal.—Tiffany Const. Co., 535 N. Seventh St., San Jose, at $14,247 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 43.5 miles in Tulare and Kings Counties, between Springville and Camp Belson, and between Corcoran and Earlimart.

PROSPECTIVE BIDDERS

GRAND COULEE, Wash.—Following have procured plans for the construction of the Grand Coulee Dam and power plant for which bids will be received by the U. S. Bureau of Reclamation, Civic Bldg., Spokane, June 18, 10 A. M.:

Fraser - Brace Corp., 420 Lexington Ave., New York City.

Six Companies, Inc., Financial Center Bldg., San Francisco.

McDonald Engineering Co., Chicago.

Tomlinson - Arkwright Const. Co., Great Falls, Montana.

Chownahan Bros., Inc., 6171 Eastern Ave., Los Angeles.

Schuler & MacDonald, 1723 Webster St., Oakland.

General Const. Co., 3840 Iowa St., Seattle.

P. L. Crooks & Co., Henry Building, Portland.

C. T. Malcom, 1120 Board of Trade Bldg., Portland.

L. Romano Engineering Corp., 308-309 Thompson Bldg., Seattle.

Guthrie-McDougal Co., 552 Sherlock Bldg., Portland.

Erickson Paving Co., 1550 N. 34th St. Seattle.

CONTRACT AWARDED

ALTADENA, Calif.—F. B. Gridley, 256 S. Lake St., Pasadena, at approximately $15,650 awarded contract by the Rubie Canyon Land & Water Co., 575 Sacramento St., Altadena, for increasing the height of the walls of 3 concrete reservoirs to make them uniform in height.

FUNDS ALLOTTED

EL PASO, Texas.—The Public W'ks Administration has announced approval of an additional allottment of $1,000,000 for the Rio Grande rectification project. The additional funds will be used to increase the height of the Caballo Dam 50 ft.

PROSPECTIVE BIDDERS

BONNEVILLE, Ore.—In addition to those previously noted, the following have procured plans for the construction of the main spillway dam and appurtenant work at the Bonneville dam on the Columbia river, 40 miles east of Portland, for which bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, May 25, 3 P. M.:

C. T. Calhoun, Oakland.

A. L. Johnson Const. Co., Foshay Tower, Minneapolis ,Minn .

The Arundel Corp., Pier 2, Pratt St., Baltimore, Md.

J. F. Shea Co., 211 Henry Building, Portland.

Woods Bros. Const. Co., 132 South 13th St., Lincoln, Neb.

May 17, 1934

BIDS WANTED

LOS ANGELES, Cal.—Until June 4, 2 P. M., bids will be received by the Los Angeles County Supervisors for the Diamond core drilling for spillway at site of San Gabriel Dam No. 1, approximately 36 holes. The work involves:
(1) 2750 lin. ft. drilling between ground surface and 100 ft. deep;
(2) 1350 lin. ft. drilling 100 ft. deep;
(3) prices per foot where casing is required to be added to the unit prices quoted for Items Nos. 1 & 2.

Specifications obtainable from above office. E. C. Eaton, 205 S. Broadway, County Flood Control Engineer, Mame B. Beatty, Clerk of the Board.

31—PIPE LINES & WELLS

CONTRACT AWARDED

MARCH FIELD, Cal.—Geo. E. Miller, 9401 Brighton Way, Beverly Hills, at $5437 awarded contract by the Constructing Quartermaster, March Field, for furnishing and installing a deep well motor-driven turbine pump rated at 1760-rpm and constructing a well pump house and discharge lines to ground tanks at March Field.

CONTRACTS AWARDED

SAN BERNARDINO, Calif.—Pacific Pump Works, 5716 Bickett St., Huntington Park, at $2069 awarded contract by the San Bernardino City Water Commission, May 7 for furnishing a 2-stage booster pump for the Mill and D St. plant under Spec. 501.

DeLaval Steam Turbine Co., 1206 Maple Ave., Los Angeles, at $1637.13 awarded contract for a single stage, 2900-rpm booster pump at the Hanford plant. Allowance of $100 for used Byron-Jackson booster pump is to be deducted from the above figure.

All bids for a deep well turbine pump for the Southwest well in Lytle Creek Park were rejected. The bids were identical at $2,402.81.

BIDS WANTED

OAKLAND, Calif.—Until May 23, 11 A. M., bids will be received by the Public Works Officer, 12th Naval District and Naval Operating Base, 100 Harrison St., San Francisco, for repairs to the fresh water pipe line on the east side of the Key Route Pier, Oakland, to Receiving Ship Station, Yerba Buena Island, including raising of approximately 300 ft. of 6-in. pipe and replacing all damaged pipe, fittings nd other materials and relaying pipe line; Spec. No. 7702.

Specifications obtainable from above office.

Norman M. Smith, Chief of the Bureau of Yards & Docks, Navy Dept.

BIDS WANTED

OAKLAND, Cal.—Until May 23, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, for electric welded sheet pipe.

Quantities follow:

(1) 24,750 lin. ft. ¼-in. thick, 36-in. diameter, with bump joints dipped in pipe coating;

(2) Alt., same as 1 except with cement spun in bituminous lining and exterior cement wrapping. (Cement to be furnished by the District).

(3) 8,280 lin. ft. ¼-in. thick, 30-in. diameter, same as Item 1.

(4) Alt., 8,280 lin. ft. ¼-in. thick, 30-in. diameter, same as item 2.

(5) 1,100 lin. ft. $\frac{3}{16}$-in. thick, 20-in. diameter, same as item 1.

(6) Alt., 1,100 lin. ft. $\frac{3}{16}$-in. thick, 20-in. diameter, same as item 2.

Proposal L.S. 120; Specifications, etc. obtainable from above office.

PLANNED

PORTERVILLE, Cal.—City Manager F. M. Pfrimmer will report to the Porterville City Council at its next meeting a recommended site for drilling a new well to supplement the city water supply system. The city council has authorized drilling as soon as a site is selected.

BONDS VOTED

WENATCHEE, Wash.—A bond issue of $1,000,000 to finance construction of a 26-mile pipe line and other improvements for the Wenatchee Water System was approved by voters at a special election, May 8.

The city will apply to the PWA for additional funds to complete the project estimated at $1,200,000.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

WHITTIER, Cal.—Bids for furnishing chlorinating equipment to chlorinate sewage at the City of Whittier's sewage disposal plant were opened by the Whittier City Council May 7.

The bids were:

Pardee Engr. Co., $1330; alt. $960; discount 2% 10 days.

Wallace & Tiernan, $1345; fob Whittier.

Bids held under advisement.

LOAN AND GRANT APPROVED

MONTEREY PARK, Calif.—The application of the City of Monterey Park for a loan and grant of $229,867 to fi-

nance the construction of a sewage treatment plant and sewer trunk lines has been approved by the engineering committee of the Public Works Administration and is now before the finance committee for final approval. Plans were prepared by Alva J. Smith, local representative for Black and Veatch, constulting engineers of Kansas City, Mo., 810 Boylston St., Pasadena. C. H. Ellison, city engineer.

The proposed plant will be built in the Whittier Narrows on the west bank of the Rio Hondo. The plant will be of the activated sludge type involving four units in one structure. These will be: Pre-aeration unit, preliminary settling tank, three aerators and fianl settling tanks. This structure will be 50x64 feet in size, of brick and reinforced conc. construction.

The power house will be 32x28 feet, of brick construction, with concrete foundation and floors, and composition roof.

The pumping equipment which will be housed in the power house will consist of:

One sewage pump of 500 to 700 gpm centrifugal type.

One sludge pump to digestion tank, 500-700-gpm, also centrifugal type.

One return pump, centrifugal type, of 50-gpm of reinf. conc. construction; with reinf. concrete roof and a steel or cast iron gas dome.

The sludge drying beds will be 40x 50 feet, with a glass or greenhouse type roof. The roof will be of glass and light steel construction and have an area of approximately 2000 sq. ft.

Piping around the plant will involve 200 lin. ft. of 12-in. cast iron pipe and a small amount of 8-in., 6-in., and 4-in. cast iron pipe.

The estimated cost is $54,998.00.

The plant is being designed to serve a population of 4,000.

The truck lines and collection system will include:

Chandler Ave. from Garvey Ave. to Newmark St..; and Orange Ave. from Garvey Ave. to Newmark:

(1) 7,900 ft. 12-in. secondary trunk lines;
(2) 86,000 ft. 8-in. gathering lines;
(3) 84,000 ft. 6-in. house connections;
(4) 2,331 8x6 wyes;
(5) 164 12x6 wyes;
(6) 300 manholes;
(7) 2 raw sewage pumps, motors, etc.

Pump and pressure line for southwest district. Estimated cost, $52,379.-39.

Garvey Ave. Trunk Line

(1) 3,500 ft. 12-in. pipe;
(2) 9,500 ft. 15-in. pipe;
(3) 3,000 ft. 18-in. pipe;
(4) 47 manholes;
(5) 162 12x6 wyes.

Estimated cost, $17,714.50.

Extension to Garvey Ave. Laterals

(1) 55,120 ft. 6-in. pipe.

Estimated cost, $3,118.86.

Miscellaneous Items

(1) 380,700 sq. ft. resurfacing;
(2) 6,000 sq. ft. Durite pavement;
(3) fencing and landscaping the plant grounds.
(4) power line;
(5) telephone line.

The services will be installed under the provisions of a recent act of the legislature known as Bill No. 980, whereby a charge per month for service is made, the revenue from which will be applied toward the repayment of the government loan and interest. The charge in this case has been figured at $0.72 per month per service.

33—WATERWORKS

CONTRACTS AWARDED

OAKLAND, Calif.—U. S. Pipe and Foundry Co., Monadnock Bldg., San Francisco, at $49,005 awarded contract by the East Bay Municipal Utility District, Oakland, for furnishing 83,000 lin. ft. cast iron pipe, delivered at Orinda.

American Cast Iron Pipe Co., Sharon Bldg., San Francisco, at $54,140 was awarded contract for furnishing 84,000 lin. ft. cast iron pipe delievred at the Corporation Yard, 21st and Adeline, Oakland.

PROSPECTIVE BIDDERS

CHEYENNE, Wyo.—Following have procured plans for the purpose of submitting bids to the Veterans' Administration, Washington, D. C., on May 22nd for wrought iron and wire fence and gates at the Veterans' Administration Facility, Cheyene:

Hansel-Elock Co., 3153 S. California Ave., Chicago.

Pacific Fence Const. Co., 1012 North Highland Ave., Los Angeles.

Southern Ornamental Iron Works, Arlington, Texas.

Continental Steel Corp., Kokomo, Indiana.

A. L. Louthe, Los Angeles.

The Cox Fence Co., 2425 Pacific Ave. Dallas, Texas.

Salt Lake Hardware Co., Salt Lake City, Utah.

Sterns-Rogers Mfg. Co., Denver.

Colorado Builders Supply Co., 1534 Blake St., Denver.

Allen E. Beals Corp., 229 Graybar Bldg., New York City.

American Wire Fence Co., Libertyville, Illinois.

Chain Link Fence Co., 21 W. 19th St., Chicago.

W. F. Robertson Steel & Iron Co., Elm and 2nd Sts., Cincinnati.

Wickwire Spencer Steel Co., 41 E. 42nd St., New York City.

Anchor Post Fence Co., Eastern Ave. and Kane St., Baltimore, Md.

Pittsburgh Steel Co., Pittsburgh, Pa.

Page Steel & Wire Division, Monessen, Pa.

Stewart Iron Works Co., Cincinnati.

BIDS WANTED

LOS ANGELES, Cal.—Until May 21, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Bureau of Water & Power Room 740, 207 S. Broadway, for 80,000 lin. ft. of 12-in. inside diameter cast iron water pipe, Class 350. Spec. No.

BONDS VOTED

LOVELOCK, Nev.—A bond issue to finance construction of a water supply line was approved at a special election by a vote of 308 to 14. The project has been allotted $106,000 by the PWA, of which approximately $31-800 will be a grant. Work to be done includes replacement of about 14 mi. of wood stave pipe with wrapped steel pipe, drilling a well and installation of a Diesel operated pump.

ENGINEER APPOINTED

REDDING, Cal.—The Redding City Council has retained J. O. Baar & Cunningham, Spalding Bldg., Portland, as consulting engineer at a compensation of $800 to estimate the cost of a municipal water system in comparison with a plan for purchase and repair of the existing privately owned system of the California Water Service Co. The latter plant recently was valued at $224,000 by the California Railroad Commission. City Engineer W. K. Adams recommended employment of a consultant.

BIDS OPENED

DRAIN, Ore.—The Mountain States Const. Co., Eugene, Oregon, at $20,711 submitted the only bid to the Drain City Council May 8, for constructing improvements to the waterworks system in the City of Drain, involving the construction of a 6-in. pipe line about 3 miles in length, a wood stave tank and certain improvements to the distribution system consisting mainly of approximately 3,000 ft. of 8-in. cast iron pipe, together with such appurtenant works as are required by the project plans.

Bid held under advisement.

SPECIAL ELECTION

NEWMAN, Calif. — The Orestimba Union High School Trustees will hold an election June 1 to authorize the purchase of a pumping system for the school.

BIDS OPENED

HAWTHORNE, Nevada—Following bids received by the Bureau of Supplies Accounts, Navy Department, Washington, D. C., May 8, under Schedule 2192, for furnishing tanks for the Ammunition Depot, Hawthorne, Nevada:

Boiler Tank & Pipe Co., 800 75th Ave., Oakland: Class 830, Fuel Oil 2, $990; Class 831 Storage Tanks fuel oil ,$980; Class 832, Gasoline 1, $920 Class 835, pumps-lubricating oil, $24; Class 836, Storage tanks, $75, (6 tanks).

California Steel Products Co., Bay and Taylor Sts., San Francisco: Class 835, $950; Class 831, $993; Class 832, $932; Class 835, $24; Class 926, $64.75.

A. B. Farquhar Co., Ltd., York, Pa.: Class 830, $1,366.50; Class 831, $1452 Class 832, $1356.

Graver Tank & Mfg. Corp., 148th St., and Todd St., E. Chicago: Class 830 $1204; Class 831, $1325; Class 932, $1125; Class 835, $23; Class 836 $70.20; Class 836A, $160.

The Sharpsville Boiler Works Co., Sharpsville, Pa.: Class 820, $943; Class 831, $1263; Class 832, $1314; Class 836, $79.

Trimont Rotary Power Co., E. Dedham, Mass., Class 835, $45.

Hoyle Mfg. Co., Inc., 5100 Santa Fe Ave., Los Angeles, Class 836, $64.75.

BOND ELECTION

REDDING, Cal.—Redding City Council has set July 10 as the date for holding a special election to vote on a $260,000 bond issue for the purchase of the city water system now owned by the California Water Service Co.

The City has retained J. O. Baar of the firm of Barr and Cunningham, Spalding Bldg., Portland, as consulting engineer, to estimate the cost of constructing a new system in comparison with the plan for purchase and repair of the existing system.

34—PARKS AND PLAYGROUNDS

BIDS WANTED

SAN RAFAEL, Marin Co., Cal.—Until June 14, 8 P. M., bids will be received by Marin Junior College, San Rafael, for the construction of three tennis courts at the Marin Junior College, San Rafael. Plans and specifications available from above office.

CONTRACT AWARDED

MERCED, Cal.—Central Coast Nurseries, Monterey, awarded contract by Treasury Department for seeding and planting grounds at the U. S. Post Office, 18th and K Streets, Merced.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

ORANGE COUNTY, Cal.—Gogo and Rados, 10,024 S. Figueroa St., Los Angeles, at $13,397 awarded contract by the State Highway Commission, Sacramento, for placing 26.3 miles of bituminous seal coat in Orange County between Newport and Dana Point, between Doheny Park and Galivan, and between Irvine and Tustin.

CONTRACT AWARDED

LAKE COUNTY, Cal.—Basalt Rock Co., Inc., Napa, at $4,827 awarded the contract by the State Highway Commission, Sacramento, for treating with fuel oil about 20.2 miles in Lake Co. between Middletown and Lower Lake road.

CONTRACT AWARDED

INYO CO., Cal.—Clyde W. Wood, P. O. Box 444, Blythe, and L. C. Pulley, 209 Hoffman Ave., Long Beach, at 2,004 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 10.8 miles in Inyo County between Southern Sierras Power Plant No. 4 and Camp Sarina.

CONTRACT AWARDED

BENTON FIELD, Alameda Co., Cal.—Meyer Rosenberg, 1755 San Bruno Ave., San Francisco, at $47,960 awarded contract by Constructing Quartermaster, Fort Mason, for grading runways and placing rock underfill on units three and four at Benton Field Air Depot. Alameda.

CONTRACT AWARDED

KERN COUNTY, Cal.—C. W. Wood, Box 1435, Stockton, and L. C. Pulley, 209 Hoffman Ave., Long Beach, at 15,576 awarded contract by State Highway Commission, Sacramento, for treating with fuel oil about 15.8 miles in Kern County between the westerly boundary and 6.6 miles west of McKittrick and between the junction of State Highway Route 58 and State Highway Rt. 144 and the State Institution for Women.

CONTRACT AWARDED

MENDOCINO COUNTY, Cal.—Chas. Suppinger, Box 356, Lakeport, at $16,-35 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 51.1 miles in Mendocino County, between Gualala and Mendocino.

BIDS WANTED

MODOC COUNTY, Calif.—Until May 1, 2 p. m., bids will be received by the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, District II, Redding, for 9.6 miles fuel oil treatment in Modoc County between 14 miles east of Alturas and the easterly limits of Cedarville.

The work requires 1,210 bbls. of heavy fuel oil in place.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

DOUGLAS AND JACKSON COS., Oregon—A Milne, 7254 N. E. Broadway, Portland, at $129,761 awarded contract by U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Post Office Bldg., Portland, for improving 12.44 miles of the Redmond Lake Highway Surfacing and Bituminous Surface Treatment, Project NR 43-B2, C3, Rogue River Nat'l. Forest, Douglas and Jackson Counties, Oregon.

BIDS WANTED

SAN FRANCISCO—The Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (Expediency) Kirkham Street, bet. 7th and 38th Aves., by grading and improving sewers. Estimated cost, $527. The work involves:

(1) 2750 cu. yds. grading (excav.);
(2) 40 lin. ft. 8-in. vit. clay pipe sewer in place;
(3) 310 lin. ft. 12-in. vitrified clay pipe sewer in place;
(4) 8 12x6-in. wye branches in place;
(5) 200 lin. ft. 6-in. vitrified clay pipe side sewers;
(6) 7 brick manhole, complete;
(7) 3 brick catchbasins, complete;
(8) 105 lin. ft. 10-in. vitrified clay pipe culverts in place;
(9) 575 lin. ft. unarmored concr. curb
(10) 660 sq. ft. one-course concrete sidewalk;
(11) 16,893 sq. ft. asph. conc. pave., consisting of 6-in. Class F concr. base and 2-in. asphaltic concr. wearing surface;
(12) 8 standard ¾-in. water services.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS OPENED

SAN DIEGO COUNTY, Cal.—Morgan Bros., 5919 Maywood Ave., Huntington Park, at $8950.50 submitted low bid to the Department of Public Wks. Division of Highways, E. E. Wallace, District Engineer, Union Bldg., San Diego, for treating with fuel oil about 47.3 miles i San Diego County, bet. Bonsall and Rincon and bet. Morettis and the northerly boundry of San Diego County. The work requires 6630 bbls. of heavy fuel oil. Complete bids follow. (1) per bbl; (2) total:

Morgan Bros., Huntington Park (1) $1.35; (2) $8950.50.

Lambs Transfer Co., Long Beach, (1) $1.435; (2) $9514.05.

Square Oil Co., Los Angeles, (1) $1.54; (2) $10,210.20.

Gilmore Oil Co., Los Angeles, (1) $1.59 (2) $10,541.70.

Paulson & March, Los Angeles, (1) $1.63; (2) $10,806.90.

BIDS WANTED

SANTA BARBARA COUNTY, Cal.—Until May 21, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for highway oiling in Santa Barbara County, from Carpinteria to Summerland; from Ortega Hill to Olive Mill road; from the junction of the "through route" to San Jose Creek; from 3.0 miles north of Buellton to Rt. 80; and from Buellton to Lompoc, a total length of 27.9 miles, oil treatment to be applied to shoulders on each side of the existing pavement.

The work involves:

(1) 4190 bbls. heavy fuel oil in place;
(2) 10.40 miles mixing and shaping oiled material.

Plans and specifications obtainable from the above office. 9

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at $9 485 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 46 miles in San Diego County between Jamul and White Star.

BIDS WANTED

LOS ANGELES, Cal.—Until May 31, 10 A. M., bids will be received by the Los Angeles Board of Public Works for the improvement of El Modena Ave. between Figueroa St. and Colorado Blvd. by the construction of 8-in. permanent pavement 56 ft. wide, consisting of 2-in. Warrenite Bitulithic wearing surface on 6-in. asphaltic concrete base, 40 ft. wide, and 8-in. concrete pavement, 7 ft. wide on each side to serve as gutters, together with curbs and sidewalks. The work involves:

(1) 17,250 cu. yds. of excavation and 2534 cu. yds. fill, including removal of existing improvements;
(2) 452 sq. ft. of concrete pavement, 8-in. thick (local depressions);
(3) 39,411 sq. ft. of concrete pavement, 7-in. thick;
(4) 9818 sq. ft. Warrenite Bitulithic pavement of variable thickness, consisting of asphaltic concrete base of variable thickness (average 3- and 2-in. Warrenite Bitulithic wearing surface);
(5) 116,676 sq. ft. of Warrenite-Bitulithic pavement, 7-in. thick, consisting of 5-in. asph. concrete base and 2-inch Warrenite - Bitulithic wearing surface;
(6) 858 sq. ft. of Warrenite-Bitulithic pavement, 7-in. thick, consisting of 5-in. asph. concrete base and 2-inch Warrenite - Bitulithic wearing surface;
(7) 3332 sq. ft. of Warrenite pavement of variable thickness, consisting of asphalt concrete base of variable thickness (average ½-in.) and Warrenite - Bitulithic wearing surface of variable thickness (average 1½-in.);
(8) 3863 sq. ft. of Warrenite-Bitulithic pavement, 4-in. thick, consisting of 2-in. asph. conc. base and 2-in. Warrenite-Bitulithic wearing surface;
(9) 19,415 sq. ft. of rock and oil surface, 4-in. thick;
(10) 5634 lin. ft. unplastered light curb;
(11) 310 lin. ft. unplastered light white curb;
(12) 28,091 sq. ft. concrete walk, 5-in. thick;
(13) 704 sq. ft. do, 4-in. thick;
(14) 1649 sq. ft. do 6-in. thick (driveways);
(15) 540 sq. ft. concrete gutter, 7-in. thick;
(16) 167 sq. ft. concrete gutter, 7-in. thick;
(17) 21 sq. ft. do, 6-in. thick;
(18) 1771 sq. ft. white concrete traffic lines 7-in. thick, consisting of 2-in. white concrete on 5-in. asph. base;
(19) 3 red reflectors, Highway Bulls Eye, 5¾-in. diameter, or equal;
(20) storm drain and appurtenances, complete, not including local depressions, exclusive of storm drain at intersection of Colorado Blvd. and El Modena Ave.;
(21) storm drain and appurtenances at intersection of Colorado Blvd. and El Modena Ave., complete, not including local depressions;
(22) sanitary sewer and appurtenances complete, not including house connections;
(23) 551 lin. ft. of 6-in. house connection sewers;
(24) 208 lin. ft. 6-in. house connection sewers as per Detail "A" on plan No. D-3542;
(25) 40 lin. ft. do as per Detail "B" on plan No. B-3542;
(26) ornamental lighting conduit, install complete in place;
(27) 10 manholes to be reset, including the removal of 29 vertical feet of manholes and the reconstruction of 14.8 vertical feet of manholes;
(28) 208 lin. ft. of 6-in. house connection sewers as per Detail "A" on plan No. D-3542.

REMOVALS

(1) 5,520 ft. curb;
(2) 8,700 sq. ft. walk;
(3) 79,120 sq. ft. pavement;
(4) 300 sq. ft. gutter;
(5) 20 trees. 29

BIDS WANTED

SAN BENITO COUNTY, Cal.—Until May 22, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, Dilstrict Engineer, 50 Higuera Street, San Luis Obispo, for 11.7 miles of oil treatment to be applied to the existing road bed in San Benito county, from 2.0 miles south of the San Benito river crossing to 3.5 miles north of the San Benito river crossing, and from 1.0 mile south south of Paicines to Tres Pinos. The work involves:

(1) 2,620 barrels heavy fuel oil in place
(2) 11.70 miles mix and shape oiled material.

Plans and specifications obtainable from the above office.

BIDS WANTED

SAN LUIS OBISPO COUNTY, Cal.—Until May 22, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera Street, San Luis Obispo, for highway oiling in San Luis Obispo County between Cayucos Road and junction with Route 2; between Morro and 0.7 mile east of Atascadero; and between Santa Margarita and one mile east of Pozo; a total distance of 41.7 miles oil treatment to be applied to the existing roadbed.

The work involves:

(1) 4,460 bbls. heavy fuel oil in place;
(2) 12.55 miles mixing and shaping oiled material.

Plans and specifications obtainable from the above office.

BIDS WANTED

MAYWOOD, Cal.—Until May 22, 8 P. M., bids will be received by the Maywood City Council for the construction of rail top culverts at the intersection of Atlantic Blvd. and 58th St. and the intersection of Atlantic Blvd. at 60th St., in the City of Maywood. Work will include the removal of certain existing cement concrete pavement, sidewalk and curbs and the construction of culverts, curbs, sidewalks, cement concrete gutters and the remodeling of existing intersections with asphaltic concrete pavement.

Plans and specifications obtainable from City Clerk Chas. L. Poller, upon deposit of $1.00.

CONTRACTS AWARDED

STATE OF WASHINGTON. — Following are the bids received and contracts awarded by L. V. Murrow, Director of Highways, Olympia, May 8, for highway construction:

Stevens County—Grade and Surface

A. H. Timm and John Tobyn, Spokane, at $20,902 awarded contract for grading and surfacing 1.4 miles of State Road No. 3, Colville north.

The other bids were:

Joslin & McAllister, Spokane.....$21,246
March Const. Co., Spokane..... 21,455

Lincoln County—Bit. Mat & Seal Coat

Diesel Oil Sales Co., 115 Belmont N., Seattle, at $32,769 awarded contract for constructing bituminous mat on 8.4 miles and seal coat on 13.7 miles of State Road No. 2, end of pavement west of Davenport to Creston.

The other bids were:

Stand. Asph. Paving Co., Spokane $33,097
March Const. Co., Spokane..... 39,907

Kittitas and Yakima Counties—Resurfacing and Bituminous Mat

Diesel Oil Sales Co., 115 Belmont N., Seattle, at $112,369 awarded contract for resurfacing and constructing bituminous mat on 6.6 miles and nonskid seal coat on 34.9 miles of State Road No. 5 Morse Creek to Oak Flat; constructing bituminous mat on ten miles and seal coat on 9.7 miles of State Road No. 7, Ellensburg to Alkali Ikes; and seal coat on 18.6 miles of State Road No. 8, Toppenish ridge to Yakima county line.

The other bids were:

F. J. Kernan, Faloma, Ore.....$131,276
Hewett-Judd Co., Seattle..... 132,189

Grant County—Bituminous Mat

Harold Blake, Portland, at $112,056 awarded contract for constructing bituminous mat on 27.5 miles of Grand Coulee Highway, Coulee City to the dam site.

The other bids were:

Stand. Asp. Pav. Co., Spokane..$114,934
Newport Const. Co. and Kern & Kibbe, Portland 114,982

CONTRACT AWARDED

POMONA, Cal.—W. F. Fintel, 514 E. 4th St., Pomona, was awarded contract by the Pomona city council May 8 at $5647.14, or 48.25c ft., for constructing about 11,000 lin. ft. 20-inch concrete curb on Alexander Avenue between Holt Ave. and the north city limits under the 1911 act. F. C. Froehde, city engineer.

BIDS OPENED

SAN DIEGO COUNTY, Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at $9,481.50 submitted low bid to the Department of Public Works, Division of Highways, E. E. Wallace, District Engineer, Union Bldg. San Diego, May 8, for treating with fuel oil a portion of the state highway in San Diego Co. between Jamul and White Star, about 46 miles in length, involving 6450 bbls. fuel oil.

The other bids were:

Gilmore Oil Co., Los Angeles, (per barrel) $1.535; (total) $9,900.75.
Lambs Transfer Co., Long Beach, $1.56; $10,062.00.
Paulson & March, Los Angeles, $1.59 $10,255.50.
C. W. Wood and L. C. Pulley, Long Beach, $1.595; $10,287.75.

BIDS WANTED

SAN LUIS OBISPO COUNTY, Cal.—Until May 22, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for highway oiling in San Luis Obispo County between Cayucos road and junction with Route 2; between Morro and 0.7 mile east of Atascadero; and between Santa Margarita and one mile east of Pozo; a total distance of 41.7 miles, oil treatment to be applied to the existing roadbed.

Plans and specifications obtainable from the above office.

BIDS WANTED

SANTA BARBARA COUNTY, Cal.—Until May 21, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for highway oiling in Santa Barbara county, from Carpinteria to Summerland; from Ortega Hill to Olive Mill road; from the junction of the "Through Route" to the San Jose creek; from 3 miles north of Buellton to Route 80; and from Buellton to Lompoc; total length of 27.9 miles, oil treatment to be applied to shoulders on each side of the existing pavement.

Plans and specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO, Cal.—Until May 28, 10 A. M., bids will be received by Sacramento County Board of Supervisors, Room 201 Courthouse Bldg., Sacramento, for paving with asphalt macadam the Section of the lower Stockton Road. Specifications obtainable from County Engineer John J. Rooney, upon deposit of $10.

BIDS WANTED

SACRAMENTO, Cal.—Until May 28, 10 A. M., (as previously reported) bids will be received by Sacramento County Board of Supervisors, Room 201, Court house Building, Sacramento, for paving with asphalt macadam the section of the lower Stockton road. The work involves 1275 lin. ft. paving (30,630 sq. ft.); the paving to be 6-inch thick and of asphalt macadam.

The work is located in the town of Franklin about 13 miles south of Sacramento.

Specifications obtainable from County Engineer John J. Rooney upon deposit of $10.00.

BIDS WANTED

BUCKEYE, Ariz.—Until May 29, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix-Yuma Highway, N.R.M. 46-B (AFE 503). The work, which is all located within the city limits of Buckeye, consists of the widening of the existing pavement with Portland cement concrete and of incidental work over a distance of about 0.25 mile. The work involves:

(1) 3150 sq. yds. grading;
(2) 3150 sq. yds. conc. pavement;
(3) 14 lin. ft. 24-in. CMP;
(4) 16 lin. ft. encasing existing 12-in. conc. pipe in concrete;
(5) 26 lin. ft. 24-in. do;
(6) 2 monument covers;
(7) 0.5 mile formation and finishing of shoulders.

Plans and specifications obtainable from the above office.

AWARD

BUTTE AND TEHAMA COUNTIES, Cal.—Clarence Young, 5250 Broadway Terrace, Oakland, at $133,150.45 was awarded contract by the U. S. Bureau of Public Roads, 807 Sheldon Building, 461 Market St., San Francisco, for grading Section F of Route 21, the Deer Creek Meadows National Forest Highway, Lassen Nat'l Forest, Butte and Tehama Counties.

NOTICE TO BIDDERS

LOS ANGELES COUNTY, Cal.—Representative of the District Office will accompany prospective bidders over the proposed project in Los Angeles County, between westerly city limits and Wilmington Blvd., Road VII-L.A.-60-L.A., for which bids are to be received in Los Angeles on May 31, as previously reported.

Said representative will meet prospective bidders at intersection of Western Avenue and Redondo-Wilmington Road in Lomita, on Wednesday, May 23, at 10 A. M.

Prospective bidders are urged to coopoerate with the District Office and arrange to make their field inspection on above date.

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until June 7, 2 P. M., bids will be received at the office of the State Highway Engineer, Room 808 State Bldg., Los Angeles, to be opened in Room 706 of the State Bldg., for grading 5.6 miles in San Diego County, between Escondido and Lake Hodges Dam. The work involves:

(1) 164 stations clear and grub R/W;
(2) 202,000 cu. yds. rdwy. excav., unclass.;
(3) 353,000 sta. yds. overhaul;
(4) 2450 cu. yds. struc. excav.;
(5) 6 cu. yds. Class A Portland cem. concrete structures;
(6) 600 lbs. bar reinf. steel strucs.;
(7) 80 cu. yds. rubble masonry;
(8) 2560 lin. ft. 18-in. CMP;
(9) 1044 lin. ft. 24-in. CMP;
(10) 362 lin. ft. 30-in. CMP;
(11) 260 lin. ft. 36-in. CMP;
(12) 216 lin. ft. 48-in CMP;
(13) 144 lin. ft. CMP, clean and relay;
(14) 2500 M gals. water;
(15) 1550 bbls. heavy fuel oil;
(16) 293 stations preparing, mixing and shaping roadbed, oil treatment;
(17) 293 stations finishing roadway.

Plans and specifications obtainable from the State Highway Commission, Public Works Bldg., Sacramento, and on file at the offices of the District Engineers at Los Angeles and San Francisco and the District in which the work is located.

BIDS WANTED

KERN COUNTY, Cal.—Until May 28, 11 A. M., bids will be received by

he Kern County Board of Supervisors, F. E. Smith, County Clerk, Court House, Bakersfield, for the construction of a portion of Road No. 30 and Road No. 836 B. The work involves
(1) Removal and disposal of trees;
(2) Removal and reconstruction of fences;
(3a) 40 lin. ft. 48-in. CMP, including couplers, in place;
(3b) 49 lin. ft. 24-in. CMP, including couplers, in place;
(3c) 6.8 c. yds. concrete, in place;
(3d) 225 lbs. reinforcing steel, in place
(4d) 2650 cu. yds. embankment, compacted into place.

Plans and specifications obtainable from above office and on file at the office of the County Surveyor.

BIDS WANTED

PASADENA, Calif.—Until 11 A. M., May 24, bids will be received by the Pasadena City Directors for the improvement of Fair Oaks Ave. between Colorado St. and the south city limits under cash contract. The quantities are:

Schedule I—Alternate A
Portland Cement Concrete

(1) 6200 sq. ft. concrete gutter, 8-in. thick;
(2) 279,600 sq. ft. grading;
(3) 188,050 sq. ft. special subgrade treatment;
(3a) state additional amount per sq. ft. if required to dry out subgrade that has too high a moisture content;
(4) 188,050 sq. ft. seal coat on subgrade;
(5) 188,050 sq. ft. D.R. subbase;
(5a) 188,050 sq. ft. alt. type C rock subbase;
(6) 268,900 sq. ft. 10-8-8-10-in. cement concrete pavement;
(6a) state price per sq. ft. for 1-in. additional thickness for Portland cement conc. pave.;
(7) 1840 lin. ft. pedestrian lane stripe, 8-in. width;
(7a) 2 school crossing signs;
(8) 14,250 lin. ft. 9-in. wide ashphalt concrete strips along side of the pavement;
(9) 7780 sq. ft. removal of old asph. wearing surface;
(10) 166 tons asphalt concrete leveling course;
(11) 106 tons asphalt concrete wearing surface;
(12) 2850 sq. ft. asph. conc. (to be used in raising driveway apron;
(13) lump sum, if Alt C onestr. is used adjacent to California St.;
(14) lump sum, extra payment of workmen's compensation insurance, faithful performance bond, etc., are required by the city to be obtained from bona fide Pasadena agents.

Schedule II—Alternate A
Asphalt Concrete

(1) 6200 sq. ft. concrete gutter, 8-in. thick;
(1a) 1550 sq. ft. conc. gutter with 8-in. asph. conc. pave.;
(2) 260,900 sq. ft. grading;
(3) 169,200 sq. ft. special subgrade treatment;
(3a) same as Schedule I;
(4) 169,200 sq. ft. seal coat on subgrade;
(5) 169,200 sq. ft. D.R. subbase;
(5a) 169,200 sq. ft. Alt. type C rock subbase;
(6) 260,900 sq. ft. 8-in. asph. concrete pavement;
(6a) price per sq. ft. for 1-in. additional thickness;
(7) 8000 sq. ft. asph. conc. pave.;
(8) 7780 sq. ft. remove old asphalt wearing surface;
(9) 166 tons asph. concrete leveling course;
(9a) 80 tons ash. concrete base course;
(10) 106 tons asphalt concrete wearing surface;
(11) 2850 sq. ft. variable thick. asph. cone. to be used in raising driveway apron;
(12) same as Item (13) Schedule I;
(13) same as item (14) Schedule I.

Schedule III—Comb. Alt. C and Alt. A

(1) 6200 sq. ft. concrete gutter, 8-in. thick;
(2) 279,600 sq. ft. grading;
(3) 188,050 sq. ft. special sugrade treatment;
(3a) additional amount per sq. ft. if required to dry out subgrade;
(4) 188,050 sq. ft. seal coat;
(5) 188,050 sq. ft. D.R. subbase;
(6) 180,950 sq. ft. 10-8-8-10-in. cem. conc. pavement;
(6a) price per sq. ft. for 1-in. additional thickness;
(7) 1270 lin. ft. pedestrian lane stripe, 8-in. wide;
(7a) 2 school crossing signs;
(8) 9450 lin. ft. 9-in. wide asph. concrete strip along edge of conc. pavement;
(9) 91,720 sq. ft. 8-in. asph. concrete pavement;
(10) 7780 sq. ft. remove old asphalt wearing surface;
(11) 166 tons asph. concrete leveling course;
(11a) 80 tons asph. conc. base course;
(12) 106 tons asph. conc. wear. surface
(13) 2850 sq. ft. variable thick. asph. conc. to be used in raising driveway areas;
(14) same as item (13) Schedule I;
(15) same as item (14) Schedule I.

Harvey W. Hincks, city engineer.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work now advertised for opening May 31:

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue line prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened May 31, in Los Angeles:

VII-L.A.-60 - L.A. between westerly city limits and Wilmington Boulevard. (Plans), No. of Sheets, 32; cost, $3.20; (Cross - Sections) No. of Sheets, 38; Cost, $3.80; Total, $7.00.

VII-L.A.-4-186-F, G, H, I, J, D & C, various locations, no plans or cross-sections.

VII-L.A.-Ora-2, 19, 26, 62, 177, F, B, B, C, B, A, various locations. No plans or cross-sections.

Requests for plans and specifications must be addressed to the office of the State Highway Engineer, P. O. 1499, Sacramento.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office. 9

BIDS WANTED

MONTEREY COUNTY, Calif.—Until May 21, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for applying fuel oil as a dust palliative to the shoulders on each side of the existing pavement of 15.1 miles in Monterey County from King City to San Ardo. The work requires 1,270 barrels of heavy fuel oil in place.

Plans and specifications obtainable from the above office.

May 16, 1934

BIDS WANTED

SAN LUIS OBISPO and Monterey Counties, Cal.—Until May 29, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for 54.3 miles of oil treatment to be applied to shoulders and roadbed in San Luis Obispo and Monterey Cos. at the following locations: from San Carpejo Creek to Kirk Creek; from 2.0 miles south of Torro Creek to Cambria; from 1.8 miles to 9.6 miles east of Cambria; and from Lopez Canyon Road to 0.5 mile south of Edna.

The work involves:
(1) 6300 bbls. heavy fuel oil in place;
(2) 21.30 miles mixing and shaping oiled material.

Plans and specifications obtainable from the above office.

29

May16, 1934

BIDS WANTED

MONTEREY COUNTY, Calif.—Until May 21, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera Street, San Luis Obispo, for applying fuel oil and mixing and shaping oil material on the existing shoulders a distance of 2.6 miles between Monterey and Seaside road; 7.6 miles fuel oil to be applied as a dust palliative between Salinas and Castroville; and 11.3 miles fuel oil to be applied as a dust palliative to the existing shoulders between Castroville and Watsonville.

The work involves:
(1) 2410 bbls. heavy fuel oil in place;
(2) 2.60 miles mixing and shaping oiled material.

Plans and specifications obtainable from the above office.

LOW BIDDERS

ARIZONA STATE.—Wm. Peper and Co. and Leo Frost, Box 1564, Phoenix, at $35,559 submitted low bid to Arizona State Highway Commission at Phoenix, May 11, for widening and bridge and grading, draining and concrete paving of about 0.6 mile of approach roadway on the Bisbee-Douglas Highway located about 6 miles east of Bisbee.

George W. Orr at $36,182 submitted second low bid.

BIDS WANTED

TEHAMA COUNTY, Cal.—Until May 25, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, F. W. Haselwood District Engineer, District II, Redding, for 13.3 miles fuel oil treatment in Tehama Co. between State Highway Route 3 and 1½ mi. east of Dale's Ranch.

The work requires 2,325 barrels of heavy fuel oil in place.

Plans and specifications obtainable from the above office.

AWARD RECOMMENDED

MARIPOSA COUNTY, Cal. — Granite Constr. Co., Watsonville, at $234,874 recommended for award of contract by District Engineer, C. H. Sweetser, U. S. Bureau of Public Roads, for grading and placing a crushed rock base course on Section A3, Route 5, the Wawona Road-Glacier Point Highway, Yosemite National Park, Mariposa County.

BIDS WANTED

LOS BANOS, Merced Co., Cal.—Until May 26, 10:30 A. M., bids will be received by Los Banos City Council, for construction of approximately 10,000 lin. ft. concrete curb and gutter. Specifications and bid form obtainable from City Engineer, W. E. Bedesen, Merced.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

Los Angeles & Orange Cos.—7.9 Mi. Grade & Pave—(State)

LOS ANGELES and Orange Counties, Cal.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $234-247.00 (Alt. A), and Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $264,936.00 (Alt. B) submitted low bids to the State Highway Commission, Room 706 State Bldg., Los Angeles, for grading about 7.9 miles and paving portions with asphalt concrete and the remainder to be paved with either asphalt concrete or Portland cement concrete in Los Angeles and Orange counties, on Manchester Ave. between Cerritos Ave., Downey, and Artesia Ave., Buena Park.

The work involves:

(1) 411 stations clear and grub right of way;
(2) 41,000 cu. yds. rdwy. excav., unclassified;
(3) 203,000 sta. yds. overhaul;
(4) 46,000 cu. yds. imported borrow;
(5) 6,800 tons selected borrow;
(6) 2,800 cu. yds. struc. excav.;
(7) 106,500 sq. yds. subgrade preparation;
(8) 5,300 sq. yds. asph. paint binder;
(9) 14 tons asph. road oil, seal coat;
(10) 1,700 tons asph. conc. base levelling and Type A surface courses from Sta. 233 plus 50 to Sta. 235 plus 50 and from Sta. 403 plus 95 to Sta. 410 plus 38;
(11) 790 cu. yds. Class A Port. cem. conc. curbs, gutters, sidewalks and driveways;
(12) 580 cu. yds. Class A Port. cement conc. struc.;
(13) 40,000 lbs. bar reinf. steel struc.;
(14) 100,500 lbs. misc. iron and steel structures;
(15) 200 lin. ft. 18-in. CMP;
(16) 360 lin. ft. 24-in. CMP;
(17) 720 cu. yds. concrete, removed from existing pavement, curbs, gutters, sidewalks and struc. and disposed of;
(18) 1,300 M. gals. water;
(19) 2,100 tons crushed gravel or stone bituminous treated surfacing;
(20) 110 tons cutback asphalt;
(21) 4,200 bbls. heavy fuel oil shoulders;
(22) 84,200 sq. yds. prepare, mix and shape shoulders;
(23) 880 lin. ft. bank protection fence, heavy type;
(24) 160 lin. ft. do, light type;
(25) 156 each timber guide posts;
(26) 63 each culvert markers;
(27) 411 sta. finishing roadway.

ALTERNATIVE ITEMS

From Station 235 plus 50 to Station 387 plus 81.40 and from Station 410 plus 38 to Station 8 plus 50; Ora-174-A.

ALTERNATIVE A

(1) 44,000 tons asph. conc. base levelling and Type A surface courses.

ALTERNATIVE B

(1) 19,550 cu. yds. Class A Port. cem. conc. pave.;
(2) 455,000 lbs. bar reinf. steel pave.

NOTE: Alternative A sets forth the necessary item for the construction of asphalt concrete pavement on LA-174-B from Station 235 plus 50 to Station 387 plus 81.40 and from Station 410 plus 38, LA-174-B to Station 8 plus 50, Ora-174-A.

Alternative B sets for the necessary items for the construction of the same area with Portland cement concrete. The contract may be awarded on the basis of constructing the said portions of either type at the option of the Department of Public Works.

Complete total bids follow:

(A) United Concrete Pipe Corp., Los Angeles, (Alt. A) $234,247.00; (Alt. B) $271,283.50.
(B) Basich Bros., Torrance, $236,101.-25; $268,481.25.
(C) Griffith Co., Los Angeles, $239,951.-50; $264,936.00.
(D) Los Angeles Paving Co., Los Angeles, $246,368.00; $280,175.50.
(E) Oswald Bros., Los Angeles, $247,-048.45; $274,180.45.
(F) Jahn & Bressi, Los Angeles, $281,-562.50; $300,567.50.
(G) Union Paving Co., San Francisco, $282,284.00; $309,876.50.
(H) P. J. Akmadzich, Los Angeles, $296,762.25; $342,223.75.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$17.00	$ 4.50	$16.00	$ 7.00	$ 6.20	$ 8.00	$ 5.00	$ 7.10
(2)	.20	.20	.25	.30	.355	.30	.30	.32
(3)	.01	.005	.003	.01	.004	.05	.02	.014
(4)	.35	.42	.45	.50	.44	.55	.40	.52
(5)	.70	1.30	.90	1.20	1.00	1.20	1.25	.76
(6)	.80	.65	.65	.75	.70	1.00	1.00	1.50
(7)	.10	.07	.07	.09	.07	.10	.07	.13
(8)	.02	.02	.02	.03	.02	.03	.01	.037
(9)	20.00	15.00	16.00	16.00	17.50	20.00	17.00	21.00
(10)	3.40	3.00	3.00	3.00	3.11	3.30	3.70	3.65
(11)	11.00	13.00	12.00	10.00	11.00	15.00	15.00	12.70
(12)	16.00	16.00	20.00	14.00	16.00	20.00	19.00	19.15
(13)	.05	.045	.05	.05	.044	.05	.05	.046
(14)	.06	.08	.05	.05	.05	.10	.06	.087
(15)	2.30	2.00	2.00	2.00	1.50	2.00	1.50	2.15
(16)	3.50	2.50	2.50	2.50	2.25	3.00	2.50	3.10
(17)	1.50	2.00	1.00	.75	1.70	2.00	4.00	2.35
(18)	.50	1.00	.75	1.00	1.15	.50	2.00	1.55
(19)	2.25	1.90	2.50	2.45	2.20	3.00	3.30	2.35
(20)	15.00	13.00	15.00	13.00	14.80	16.00	18.00	14.50
(21)	1.50	1.10	1.20	1.25	1.30	1.30	1.30	1.40
(22)	.04	.04	.04	.04	.03	.025	.05	.04
(23)	10.00	7.50	6.00	6.50	6.50	8.40	3.00	8.50
(24)	8.00	5.00	4.00	4.00	3.60	5.00	2.50	5.32
(25)	3.00	2.25	1.50	1.50	1.50	3.00	2.00	2.80
(26)	5.00	2.25	1.50	2.00	1.75	2.50	2.00	3.10
(27)	4.00	5.00	5.00	5.00	2.00	8.00	5.00	4.25
				ALTERNATE A				
(28)	2.71	2.85	2.87	2.97	3.11	3.30	3.60	3.65
				ALTERNATE B				
(29)	6.88	7.00	6.69	7.25	7.34	7.40	8.35	9.33
(30)	.05	.046	.045	.05	.045	.042	.05	.052

COMPLETE BIDS

LOS ANGELES, Cal.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $236,615.40 (previously reported), submitted low bid to the Los Angeles Board of Public Works on May 14 for the construction of a storm drain in a portion of Macy St., between the Los Angeles River and a point of Macy St., between the Los Angeles River and a point 173 ft. west of Avila Street, to serve the Union Passenger Termination Station, PWA Project No. 4361, Unit No. 1. Bids were taken as follows:

SCHEDULE NO. 1

Complete Project, Plans Nos. D-3647, 3648 and 3649 and DL-1336.

(1) 200 cu. yds. excavation and no fill, incl. removal of existing improvements;
(2) 28,000 sq. ft. asphaltic concrete paving ,8-in. thick, consist. of asph. concr. base 7-in. thick and asph. concr. wearing surface 2-in. thick (incl. Class "C" resurf.)
(3) 989 sq. ft. concr. paving, 8-in. thick (local depressions);
(4) 500 sq. ft. concr. paving, 6-in. thick;
(5) 276 sq. ft. asph. concr. wearing surface remodel. 3-in. thick;
(6) 179 sq. ft. Class "D' resurface;
(7) 20,000 sq. ft. rock and oil surface 4-in. thick ,incl. Class "A" resurface);
(8) 200 lin. ft. unplastered heavy curb
(9) 1500 lin. ft. reinf. integral curb and concr. gutter, 1-ft. wide, as per Standard Plan No. B-1037;
(10) 1100 sq. ft. concr. gutter, 8-in thick;
(11) 11,000 sq. ft. concr. sidewalk, 5-in. thick;
(12) 600 sq. ft. concr. sidewalk, 6-in. thick (driveways);
(13) 100 lin. ft. curb armor as per Standard Plan No. B-1604 (either type at contractor's option);
(14) Sanitary sewer and appurtenances;
(15) Storm drain and appurtenances, incl. underpinning complete in place of footings of the Macy St. viaduct and Cudahy ramp, not incl. local depressions, surface or surface remodel;

SCHEDULE NO. 2

DL-1336 and D-3647 and D-3648, bet. Station 21+00 on Macy St. and Station 32+21.86 on Alameda St.

(16) 200 cu. yds. excav., no fill;
(17) 23,000 sq. ft. asph. concr. pave. 8-in. thick;
(18) 989 sq. ft. 8-in. concrete pave.;
(19) 100 sq. ft. 6-in. do;
(20) 276 sq. ft. asph. concrete wearing surface remodel. 3-in. thick;
(21) 176 sq ft. Class D resurface;
(22) 20,000 sq. ft. rock and oil surface;
(23) 200 lin. ft. unplastered heavy curb;
(24) 1200 lin. ft. reinf. integral curb and concrete gutter, 1 ft. wide;
(25) 840 sq. ft. 8-in. concrete gutter;
(26) 8840 sq. ft. 5-in. concr. sidewalk;
(27) 600 sq. ft. 6-in. concr. sidewalk (driveways);
(28) 100 lin. ft. curb armor;
(29) Sanitary sewer;
(30) Storm drain and appurtenances complete, incl. underpinning comp. in place of the footings of the Macy St. vidauct and the Cudahy ramp, not incl. local depressions, resurf. or surf. remodel. and incl. catchbasins and connections drain in Alameda St. at Macy St.;

(31) Same as above incl. substitution of various catchbasins and 12-in. brick wall and double junction structure;

SCHEDULE NO. 3

Plan D3-249 and D-3248 north of Station 32+21.86.

(32) 50 cu. yds. excav., no fill;
(33) 5000 sq. ft. asph. concr. pave., 8-in. thick;
(34) 523 sq. ft. concrete pave., 8-in. thick (local depressions);
(35) 500 sq. ft. 6-in. concr. pavement;
(36) 50 lin. ft. unplastered heavy curb
(37) 325 lin. ft. reinf. integral curb and concrete gutter;
(38) 300 sq. ft. 8-in. concrete gutter;
(39) 2200 sq. ft. 3-in. concr. sidewalk;
(40) 600 sq. ft. concr. sidewalk, 6-in. thick (driveways);
(41) 100 lin. ft. curb armor;
(42) Sanitary sewer and appurtenances complete, not incl. house connections or resurf.;
(43) Storm drain and appurtenances, complete, not incl. local depressions, resurf. or surf. remodel.

Total bids follow:

(A) United Concrete Pipe Corp., Los Angeles, Sched. (1) $236,615.40; Sched. (2) $199,967.40; Sched. (2 Alt.) $200,967.40; Sched. (3) $38,388.20.
(B) R. A. Wattson & Mingenovich & Gillespie, Los Angeles, Sch. (1) no bid; Sch. (2) $224,958.94; Sch. (2 Alt.) $225,648.94; Sch. (3) no bid.
(C) Engineer's estimate, Sch. (1) $194,068.56; Sch. (2) $166,435.76; Sch. (2 Alt.) $167,229.76; Sch. (3) $29,678.75.

Unit bids follow

	(A)	(B)	(C)
(1)	$ 200.00	$ —— ——	$ 200.00
(2)	.30	—— ——	.17
(3)	.40	—— ——	.25
(4)	.30	—— ——	.20
(5)	.20	—— ——	.06
(6)	.20	—— ——	.25
(7)	.10	—— ——	.06
(8)	.60	—— ——	.45
(9)	1.00	—— ——	.76
(10)	.30	—— ——	.22
(11)	.12	—— ——	.11
(12)	.20	—— ——	.18
(13)	1.00	—— ——	1.00
(14)	750.00	—— ——	790.00
(15)	221,138.80	—— ——	183,820.00
(16)	300.00	200.00	200.00
(17)	.30	.18	.17
(18)	.40	.26	.25
(19)	.30	.24	.20
(20)	.20	.085	.06
(21)	.20	.26	.25
(22)	.10	.08	.06
(23)	.60	.42	.45
(24)	1.00	.75	.76
(25)	.30	.26	.22
(26)	.12	.11	.11
(27)	.20	.24	.18
(28)	1.00	1.25	1.00
(29)	500.00	1214.00	50.00
(30)	187,000.00	215,000.00	158,380.00
(31)	188,000.00	215,700.00	159,174.00
(32)	100.00	—— ——	50.00
(33)	.30	—— ——	.18
(34)	.40	—— ——	.25
(35)	.30	—— ——	.20
(36)	.60	—— ——	.50
(37)	1.00	—— ——	.80
(38)	.30	—— ——	.22
(39)	.12	—— ——	.12
(40)	.20	—— ——	.18
(41)	1.00	—— ——	1.00
(42)	500.00	—— ——	790.00
(43)	35,000.00	—— ——	26,885.00

COMPLETE BID LISTING

COCONINO COUNTY, Arizona—New Mexico Const. Co., P. O. Box 592, Albuquerque, N. M., at $125,109.60, as previously reported, submitted low bid and recommended for award by the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, May 8 for placing a bituminous treated crushed rock surfacing on Section H of Grand Canyon Route 1, all of Grand Canyon Rte. 10, and Sections A, B, and C of the Cameron Desert View Approach to Grand Canyon National Park, Coconino County, a length of 17.546 miles.

Total bids follow:

(A) New Mexico Const. Co., $125,109.60
(B) Geo. Herz & Co., San Bernardino, $128,854.35.
(C) Central States Contr. Co., Oakland, $142,424.60.
(D) Pleasant-Hasler Const. Co., Phoenix, $186,686.30.
(E) Engineer's estimate, $111,139.75.

Unit quantities follow:

(1) 80 cu. yds. unclass. excavation for structures;
(2) 59 cu. yds. masonry;
(3) 8800 tons crushed rock for shoulders;
(4) 345 tons supplemental do;
(5) 27,990 tons bituminous treated crushed rock;
(6) 1,950 tons supplemental do;
(7) 317 tons apply Govt. furnished asphaltic material prime coat;
(8) 86 tons do seal coat;
(9) extra work, sanding seal coat.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 0.80	$ 2.00	$ 2.00	$ 1.50	$ 1.50
(2)	25.00	25.00	40.00	25.00	25.00
(3)	2.00	2.63	1.75	1.50	2.00
(4)	1.70	2.23	1.60	1.50	1.75
(5)	3.50	3.25	4.00	5.72	3.00
(6)	2.50	2.85	3.75	4.00	2.00
(7)	4.70	15.00	10.00	7.00	7.00
(8)	4.70	16.00	10.00	7.00	7.00
(9)	650.00	650.00	650.00	650.00	650.00

KERN COUNTY — 6.3 MI. GRADING — (STATE)

KERN COUNTY, Calif. — Contoules Const. Co., 1219 Hearst Building, San Francisco, at $106,883 submitted low bid to the State Highway Commission, Sacramento, for grading 6.3 miles in Kern County between Haypress Canyon and Bear Mountain Ranch.

Total bids follow:

(A) Contoules Const. Co., San Francisco, $106,883.00.
(B) J. F. Knapp, Oakland, $108,410.00.
(C) Gibbons & Reed, Burbank, $111,013.00.
(D) Griffith Co., Los Angeles, $115,311.80.
(E) Union Paving Co., San Francisco, $118,884.00.
(F) Sharp & Fellows Contr. Co., Los Angeles, $121,882.10.
(G) Dimmitt & Taylor, Los Angeles, $122,914.40.
(H) R. E. Campbell, Los Angeles $128-481.60.
(I) Healy-Tibbitts Const. Co., S. F., $130,537.50.
(J) Morrison-Knudsen, Los Angeles, $147,295.30.
(K) Peninsula Paving Co., San Francisco, $151,970.30.

Unit quantities follow:

Unit prices follow:

	(A)	(B)	(C)	(D)
(1) 215,000 cu. yds. rdwy. excav., unclass;	$ .27	$ .275	$ .27	$ .276
(2) 5400 cu. yds. struc. excav.;	.005	.003	.005	.005
(3 1,800,000 sta. yds. overhaul;	2.00	3.50	2.00	2.50
(4) 1500 M. gals water;	.80	.80	.90	.90
(5) 9.0 MFBM dense select all heart struc. grade redwood timber;	80.00	90.00	100.00	100.00
(6) 87 MFBM select all heart do;	80.00	90.00	90.00	95.00
(7) 850 bbls. fuel oil;	2.00	2.50	2.25	3.00
(8) 80 cu. yds. Class A Port. cem. conc. strucs.;	25.00	27.50	30.00	25.00
(9) 5000 lbs. bar rein. steel strucs.;	.06	.06	.05	.06
(10) 17 each spillway assemblies;	15.00	12.00	20.00	20.00
(11) 372 lin. ft. 8-in. CMP;	1.00	1.00	1.25	1.20
(12) 648 lin. ft. 18-in. CMP;	1.75	1.50	1.75	1.80
(13) 1660 lin. ft. 24-in. CMP;	2.50	2.50	3.00	2.60
(14) 410 lin. ft. 20-in. CMP;	3.00	3.00	3.25	3.20
(15) 154 lin. ft. 36-in. CMP;	4.00	4.50	5.00	5.00
(16) 58 lin. ft. 48-in. CMP;	5.00	8.50	8.50	9.00
(17) 166 lin. ft. 72-in. CMP;	12.00	13.50	15.00	16.00
(18) 700 each guide posts;	2.50	2.00	2.00	1.50
(19) 1800 lin. ft. laminated timber guard rail;	1.00	1.00	1.00	1.30
(20) 2 cu. yds. exist. Port. cem. conc. removed and disposed of;	4.00	5.00	5.00	5.00
(21) 60 each timber culvert markers;	2.00	2.00	2.00	2.00
(22) 6.8 mi. new property fences;	400.00	500.00	550.00	600.00
(23) 12 each fence gates, complete in place;	15.00	20.00	20.00	20.00
(24) 5.6 miles exist. prop. fences to be removed and reset;	200.00	300.00	200.00	300.00
(25) 331 station finishing roadway;	8.00	5.00	6.00	8.00
(26) 130 monuments, complete in place.	3.00	3.00	3.00	5.00

	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ .32	$ .335	$ .349	$ .32	$ .37	$ .42	$ .43
(2)	.75	.85	.75	1.75	1.00	1.00	1.50
(3)	.005	.005	.0025	.005	.005	.007	.0075
(4)	1.70	3.00	3.65	1.00	2.25	1.50	1.50
(5)	120.00	85.00	90.00	110.00	100.00	90.00	99.00
(6)	100.00	80.00	84.00	92.00	90.00	85.00	89.00
(7)	2.50	1.80	2.00	2.00	1.80	2.20	2.30
(8)	16.00	30.00	25.00	37.50	25.00	24.00	25.00
(9)	.06	.05	.06	.06	.06	.08	.06
(10)	15.00	15.00	15.00	16.00	15.00	15.00	16.00
(11)	1.00	.80	1.00	1.55	1.00	.95	1.05
(12)	2.00	1.50	1.55	2.00	2.00	1.75	1.80
(13)	3.00	2.30	2.40	3.00	2.75	2.75	2.75
(14)	4.00	3.00	3.00	4.00	33.25	3.50	3.25
(15)	5.00	4.75	4.75	6.00	5.00	5.60	5.10
(16)	10.00	8.50	8.25	10.00	9.00	9.75	9.10
(17)	15.00	13.50	14.50	16.50	15.00	17.50	17.60
(18)	2.00	1.00	2.00	2.00	1.50	2.00	1.60
(19)	1.00	1.00	1.00	2.00	1.00	.90	1.00
(20)	10.00	5.00	5.00	5.00	5.00	5.00	6.00
(21)	2.00	1.50	2.25	2.00	1.50	2.00	1.75
(22)	350.00	480.00	600.00	600.00	350.00	700.00	550.00
(23)	15.00	20.00	15.00	20.00	15.00	30.00	21.50
(24)	250.00	240.00	290.00	250.00	200.00	350.00	240.00
(25)	3.00	6.00	5.00	5.00	5.00	5.00	6.00
(26)	2.00	3.00	3.00	3.00	3.00	3.00	3.50

LOS ANGELES — GAFFEY STREET BRIDGE — (CITY)

LOS ANGELES, Calif.—Person and Thiele, 6206 San Vicente Blvd., submitted low bid to the Board of Public Works May 9, at $152,492.51 using precast piles or piles cast in place, for constructing two bridges on Gaffey St., one a concrete girder bridge of 4 60-ft. spans with a 60-ft. roadway, on Gaffey St. over Summerland, and the other a reinforced concrete arch bridge of 100-ft. span with a 45-ft. roadway on Elberon Ave. over Gaffey St., under cash contract. The work will involve items and quantities as follows:

(1) 5029 cu. yds. Class F concrete;
(2) 100 cu. yds. Class G concrete;
(3) 795,000 lbs. reinf. steel, lump sum
(4) 265 lin. ft. creosoted timber piles, lump sum;
(5) reinf. conc. piles, lump sum;
(6) 5504 lin. ft. do. cast in place, alternate to item 5, lump sum;
(a) price per lin. ft. for deductions precast piles;
(b) same cast in place piles;
(c) price per lin. ft. for additions precast piles;
(d) same cast in place piles;
(7) 953 lin. ft. orn. conc. railing and pylons;
(8) 56 lin. ft. orn. iron railings, lump sum bid;
(9) electric conduit system, lump sum bid;
(10) 13 standards and one bracket light lighting system, lump sum bid;
(11) 238 cu. yds. and 1358 cu. yds. fill, grading, lump sum bid;
(12) 820 tons asph. conc. base;
(13) 543 tons asph. conc. wearing surf.
(14) 7877 sq. ft. 3-in. thick sidewalk;
(15) 50 sq. ft. 4-in. thick sidewalk;
(16) 213 lin. ft. special curb;
(17) 523 lin. ft. integral curb and gutter, 6-in. thick;
(18) 609 lin. ft. do. 8-in. thick;
(19) 23 sq. ft. concrete gutter, 8-in.;
(20) storm drains, lump sum bid;
(21) traffic markers, lump sum bid.

The total bids were:

(A) Person & Thiele, $152,492.51 (either type).
(B) David J. Reed and Jos. Maiser, $155,176.97 (precast piles), $154,676.97 (cast in place).
(C) Ansco Const. Co., 155,701.79 (either type).
(D) John Stroua and W. C. Horn Co., $156,479.28 (precast piles), $158,335.28 (cast in place).
(E) Bannister - Field Co., $158,490.99 (either type).
(F) Geo. Hess, $158,558.26 (either type)
(G) Myers Bros., $160,383.14 (either type).
(H) C. Bonglovanni, $160,999.99 (either type).
(I) R. E. Campbell Co., $162,761.66 (either type).
(J) T. A. Beyer Corp. $167,658.03 (either type).
(K) Engineer's estimate, $157,567.17 (either type).

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ 16.90	$ 17.00	$ 17.70	$ 17.70	$ 17.25	$ 16.75	$ 17.00	$ 18.40	$ 17.60	$ 18.00	$ 18.00
(2)	9.00	8.00	9.00	7.41	9.10	11.50	17.00	10.00	9.50	11.00	10.00
(3)	29,540.00	31,000.00	31,641.00	32,764.00	30,988.00	33,894.00	33,565.00	32,000.00	34,053.00	32,552.00	31,800.00
(4)	287.00	300.00	271.00	290.00	310.00	400.00	410.00	324.00	298.00	298.00	265.00
(5)	12,395.00	14,000.00	12,260.00	11,017.00	14,000.00	13,500.00	13,019.31	12,629.96	13,486.00	13,486.00	12,384.00
(6)	12,395.00	13,500.00	12,260.00	12,873.00	14,000.00	13,500.00	13,019.31	12,629.96	13,486.00	13,486.00	12,384.00
(a)	1.00	.80	1.00	1.00	1.00	1.00	.80	1.20	1.00	1.00	.....
(b)	1.00	.75	1.00	1.00	1.00	1.00	.80	1.20	1.00	1.00	.....
(c)	2.20	3.00	2.00	2.00	2.20	2.00	2.25	2.30	2.53	2.20	.....
(d)	2.20	2.50	2.00	2.00	2.20	2.00	2.25	2.30	2.53	2.20	.....
(7)	5,914.00	5,500.00	5,075.00	4,390.00	4,644.00	6,643.00	6,422.60	5,500.00	6,525.00	9,353.00	4,288.00
(8)	286.00	350.00	271.00	333.00	370.00	400.00	422.08	300.00	273.00	357.00	280.00
(9)	975.00	1,000.00	894.00	991.00	827.00	1,150.00	1,171.05	900.00	861.00	983.00	550.00
(10)	3,790.00	3,500.00	3,555.00	3,945.00	3,774.00	3,950.00	4,000.00	3,400.06	3,499.00	3,910.00	3,065.00
(11)	5,250.00	5,500.00	3,220.00	5,200.00	5,014.00	5,250.00	5,800.00	5,000.00	6,580.00	6,363.00	6,670.00
(12)	4.00	3.70	3.25	3.70	4.10	3.75	4.00	3.60	3.80	3.96	3.25
(13)	4.00	3.70	3.25	3.77	3.75	3.75	4.00	3.60	3.60	3.96	3.25
(14)	.11	.11	.17	.11	.125	.13	.15	.12	.11	.14	.11
(15)	.16	.20	.20	.16	.20	.18	.16	.16	.15	.19	.16
(16)	.60	.60	.50	.60	.90	.55	.50	.62	.60	.66	.60
(17)	.85	.90	.80	.90	1.10	.95	.70	.68	.84	1.10	.60
(18)	1.00	1.00	1.00	1.00	1.25	1.15	.75	.70	.90	1.20	.65
(19)	.33	.30	.25	.30	.30	.30	.40	.40	.24	.33	.24
(20)	580.00	500.00	663.00	660.00	425.00	470.00	750.00	600.00	636.00	715.00	576.00
(21)	70.00	100.00	20.00	25.00	36.22	50.00	50.00	29.19	24.75	55.00	20.00

LOS ANGELES — Tunnel Station Bridge — (City)

LOS ANGELES, Cal. — Person & Thiele, 6206 San Vicente Blvd., Los Angeles, at $33,387.41, as previously reported, submitted low bid to the Los Angeles Board of Public Works, May 9, for constructing the Tunnel Station Bridge. The proposed structure will be built on San Fernando Road at Tunnel Station and will be a reinforced concrete girder type bridge, 300 feet in length with a 40-ft. roadway and one 5-ft. walk. The work will consist of building two wedge-shaped structures to widen the present structure and to realign the roadway. The work involves

(1) Alter existing structure;
(2) 843 cu. yds. Class F concrete;
(3) 100 cu. yds. Class G concrete;
(4) Lump sum, reinforcing steel;
(5) Lump sum, ornamental concrete railing;
(6) 51 cu. yds. cut grading, lump sum
(7) 131 tons asphaltic concrete base;
(8) 159 tons asphaltic concrete wearing surface;
(9) 32 sq. ft. oiled roadway;
(10) 115 lin. ft. heavy unplastered curb;
(11) 116 sq. ft. concrete gutter, 8-in. thick.

Total bids follow

(A) Person & Thiele, Los Angeles, $33,387.41.
(B) D. J. Reed and Jos Maiser, Los Angeles, $34,090.40.
(C) L. F. Dow Co., Santa Monica, $37,829.
(D) John Oberg, Los Angeles, $37,830.60.
(E) Dimmitt & Taylor, Los Angeles, $40,704.40.
(F) Fred F. Greenfield, Los Angeles, $47,581.24.
(G) Engineer's estimate, $32,488.60.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$3730.00	$4500.00	$9570.00	$5000.00	$5500.00	$6157.87	$3255:00
(2)	22.90	23.00	22.00	28.40	29.80	26.35	22.42
(3)	8.00	8.00	6.50	6.00	6.50	5.11	10.00
(4)	5300.00	5400.00	5600.00	5300.00	5500.00	5235.35	5825.00
(5)	2700.00	2500.00	1950.00	1500.00	2500.00	2400.00	2350.00
(6)	225.00	200.00	200.00	150.00	120.00	150.00	200.00
(7)	4.10	4.00	4.00	4.00	4.00	4.00	3.00
(8)	4.10	4.00	4.00	4.00	4.00	4.00	3.00
(9)	.12	.10	.10	.20	.10	.12	.10
(10)	.85	1.00	1.00	1.00	1.00	.80	.50
(11)	.32	.20	.30	.50	.30	.25	.24

All bids taken under advisement.

BIDS OPENED

SONOMA COUNTY, Cal.—Ransome Co., 4030 Hollis St., Emeryville, at $11,167.98 submitted low bid to the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211 State Bldg., San Francisco, for surfacing with crusher run base and applying bituminous surface treatment on about 0.83 miles in Sonoma County between Vineburg Junction and the easterly boudary, involving:

(1) 4000 tons crusher run base in place;
(2) 500 tons screenings in place;
(3) 125 bbls. light fuel oil in place;
(4) 35 tons emulsified asph. road oil in place;
(5) 524 lin. ft. 8-in. perf. metal pipe underdrains;
(6) 120 cu. yds. structure excavation.

Total bids follow:

(A) Ransome Co., Emeryville, $11,167.92.
(B) E. A. Forde, San Anselmo, $11,732.50.
(C) Lee J. Immel, Berkeley, $11,796.30
(D) Helwig Constr. Co., Sebastopol, $12,959.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 2.10	$ 2.20	$ 2.05	$ 2.24
(2)	2.50	2.56	3.00	5.54
(3)	2.00	1.50	2.70	2.00
(4)	19.00	18.00	20.00	24.00
(5)	.83	1.25	1.70	1.00
(6)	1.40	1.50	1.40	1.00

LOS ANGELES CO., Cal.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $293,563.25 (Alt. A) and $309,651.25 (Alt. B) submitted low bid to the State Highway Commission, Room 706 State Bldg., Los Angeles, for grading and paving with asphalt concrete and Portland cement concrete about 5.0 miles in Los Angeles county between Redondo Beach and Wilmington.

Complete total bids follow:
(A) United Concrete Pipe Corp., Los Angeles, (Alt. A) $293,563.25; (Alt. B) $309,651.25.
(B) Basich Bros., Torrance, $301,809.-20; $317,297.70.
(C) J. L. McClain, Los Angeles, $303,-661.30; $316,360.80.
(D) Sully - Miller Contr. Co., Long Beach, and Kovacevich & Price, Southgate, $305,505.30; $321,161.70.
(E) Griffith Co., Los Angeles, $319,-235.50; $336,223.20.
(F) Sharp & Fellows Contr. Co., Los Angeles, $320,271.30; $333,161.60.
(G) Oswald Bros., Los Angeles, $324,-429.80; $338,749.30.
(H) Jahn & Bressi, Los Angeles, $330,-339.90; $338,674.00.
(I) Union Paving Co., San Francisco, $334,828.00; $349,818.50.
(J) Sander Pearson, Santa Monica, & Mundo Engr. Co., Los Angeles, $358,643.00; $377,060.50.

Quantities were:
(1) 262 stations clear and grub right of way;
(2) 181,000 cu. yds. rdwy. excav., unclassified;
(3) 7,950,000 sta. yds. overhaul;
(4) 2,000 cu. yds. struc. excav.;
(5) 111,000 sq. yds. subgrade for pave.
(6) 6,900 sq. yds. asph. paint binder;
(7) 3,050 tons asph. conc., exclusive of central 20-ft. width from Sta. 76 plus 00 to Station 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;
(8) 13,500 cu. yds. Class A Port. cem. conc. pave. exclusive of central 20-ft. width from Sta. 76 plus 00 to Sta. 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;
(9) 366,700 lbs. bar reinf. steel pave. exclusive of central 20-ft. do;
(10) 2,725 cu. yds. Class A Port. cem. conc. curbs, gutters and sidewalks;
(11) 610 cu. yds. Class A Port. cem. conc. strucs.;
(12) 64,000 lbs. bar reinf. steel struc.;
(13) 34,000 lbs. misc. iron and steel structures;
(14) 420 lin. ft. 24-in. CMP;
(15) 1,100 cu. ysd. existing pavement, curbs and sidewalks to be removed;
(16) 2,400 M. gals. water;
(17) 4,350 barrels heavy fuel oil;
(18) 90,500 sq. yds. shoulders to be prepared, mixed and shaped;
(19) 32 each culvert markers;
(20) 262 stations finishing roadway.

ALTERNATIVE ITEMS

Central 20-ft. strip Station 76 plus 00 to Sta. 210 plus 30 and Sta. 225 plus 50 to Sta. 271 plus 15.

ALTERNATE A
(1) 16,050 tons asphalt concrete;
(2) 102 tons asph. road oil, seal coat;

ALTERNATE B
(1) 7,240 cu. yds. Class A Port. cem. conc. pave.;
(2) 208,300 lbs. bar reinf. steel pave.;
(3) 155 tons asph. road oil, seal coat.

Unit bids of the four low bidders follow:

	(A)	(B)	(C)	(D)
(1)	$20.00	$ 3.50	$ 9.00	$ 6.50
(2)	.195	.14	.22	.22
(3)	.0017	.0015	.0018	.002
(4)	.70	.65	.75	.90
(5)	.09	.07	.10	.08
(6)	.02	.02	.01	.04
(7)	3.04	4.00	3.25	3.35
(8)	7.05	8.25	7.50	7.52
(9)	.05	.046	.049	.044
(10)	9.15	13.00	10.00	12.00
(11)	16.00	16.00	14.00	15.00
(12)	.06	.04	.045	.0375
(13)	.10	.08	.10	.078
(14)	2.60	2.40	2.50	2.30
(15)	1.50	2.00	.90	.60
(16)	.40	.35	.50	.40
(17)	1.50	1.00	1.20	1.25
(18)	.055	.05	.04	.04
(19)	3.00	2.00	2.00	3.00
(20)	5.00	4.00	2.00	4.00
ALTERNATE A				
(1)	$ 2.78	$ 3.00	$ 3.05	$ 3.00
(2)	20.00	13.00	16.50	16.00
ALTERNATE B				
(1)	$ 6.80	$ 7.40	$ 7.10	$ 7.43
(2)	.05	.045	.045	.044
(3)	20.00	13.00	16.50	16.00

NOTE: Alternative A sets forth the necessary items for the construction of the central 20-ft. width of pavement from Station 76 plus 00 to Station 210 plus 30 and Station 225 plus 50 to Station 271 plus 15 with asphalt concrete.

Alternative B sets forth the necessary items for paving the same areas with Portland cement concrete.

MARIN COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $6,-605.63 submitted low bid and awarded contract by the Marin County Board of Supervisors, San Rafael, for improvement of various county roads, a total length of 4.9 miles.

Complete bids follow:
(A) E. A. Forde, San Anselmo, $6,-605.63.
(B) Lee J. Immel, Berkeley, $6912.90.

Unit bids follow:
242 bbls. light oil (A) $1.64; (B) $2.10.
117 tons heavy oil (A) $16; (B) $17.
1051 tons crushed rock (A) $2.65; (B) $2.70.
525 tons screenings (A) $2.75; (B) $3.00

TUOLUMNE COUNTY — 0.969 Mile Grading — (Govt.)

TUOLUMNE COUNTY, Calif.—Poulous & McEwen, 2522 17th St., Sacramento, at $9,060.10 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 83, the Pine Crest National Forest Highway, Stanislaus National Forest, Tuolumne County. The work involves:
(1) 11,550 cu. yds. unclass excav.;
(2) 27 cu. yds. unclass. excavation for struc.;
(3) 37,300 sta. yds. overhaul;
(4) 0.969 mile finish earth graded rd.;
(5) 98 lin. ft. 18-in. CMP (asph. dipped);
(6) 46 lin. ft. 24-in. do;
(7) 2.5 cu. yds. concrete, Class B;
(8) 24 lbs. reinforcing steel;
(9) extra work, additional clearing;
(10) 110 MFBM hauling logs.

Total bids follow:
(A) Poulous & McEwen, Sacramento, $9,060.10.
(B) E. B. Bishop, Orland, $10,482.00.
(C) C. A. Baker, North Sacramento, $10,787.60.
(D) Frank C. Cuffe, San Rafael, $12,-782.10.
(E) Biasotti, Willard and Biasotti, Stockton, $13,310.00.
(F) Geo. Pollock, Sacramento, $17,-200.15.
(G) Engineer's estimate, $9,822.40.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .60	$ .73	$ .75	$ .80	$ .94	$ 1.20	$ .65
(2)	1.00	1.00	1.00	2.00	2.00	2.00	1.50
(3)	.01	.015	.02	.04	.02	.03	.03
(4)	300.00	300.00	300.00	300.00	400.00	750.00	500.00
(5)	3.00	2.25	2.00	3.00	3.00	2.50	2.00
(6)	3.00	3.00	3.00	4.00	4.00	3.00	2.50
(7)	30.00	40.00	50.00	30.00	30.00	50.00	35.00
(8)	.10	.20	.10	.10	.07	.10	.10
(9)	50.00	50.00	50.00	50.00	50.00	50.00	50.00
(10)	8.00	6.00	5.00	10.00	6.00	8.00	2.00

Bids held under advisement.

PLACER COUNTY — Ward Creek Bridge — (State)

PLACER CO., Cal.—N. R. Mayfield, Tahoe City, at $9,145.08 submitted the low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, District III, Marysville Hotel, Marysville, for the construction of a bridge across Ward Creek consisting of two 25-foot slab spans on concrete pier and abutments with wing walls, about 2.7 miles south of Tahoe City, Placer County. The bridge will provide a clear roadway width of 24 ft. with two 4-ft. sidewalks. The work involves:
(1) 1 only timber box culvert (detour);
(2) 280 cu. yds. struc. excavation;
(3) 750 cu. yds. rdwy. excav., unclass.
(4) 400 sq. yds. subgrade for surf.;
(5) 1 only timber bridge removed and disposed of;
(6) 120 cu. yds. Class A Port. cem. conc. footing blocks;
(7) 190 cu. yds. Class A Port. cement conc. structures;
(8) 6 cu. yds. Class A Port. cement concrete railing;
(9) 25,000 lbs. bar reinf. steel;
(10) 12 M. gals. water for detour and rdwy. embankment;
(11) 1 lot misc. items of work.

Total bids follow:
(A) N. R. Mayfield, Tahoe City, $9,-145.08.
(B) Holdener Const. Co., Sacramento, $10,095.50.
(C) F. H. Nielson, Orland, $11,080.11.
(D) J. P. Brennan, Redding, $11,308.34.
(E) M. B. McGowan, San Francisco, $11,353.00.
(F) Nelson & Wallace, Escalon, $11,-359.00.
(G) Poulous & McEwen, Sacramento, $11,921.00.
(H) E. T. Lesure, Oakland, $12,530.00.
(I) John Heilmann, San Francisco, $12,950.50.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$243.00	$238.00	$203.11	$214.74	$500.00	$200.00	$225.00	$553.00	$200.00
(2)	2.00	3.00	4.00	2.62	2.50	3.00	2.50	6.50	6.00
(3)	1.10	.45	1.00	1.20	.50	1.40	.80	1.85	1.35
(4)	.25	.25	.30	.16	.25	.15	.25	.98	.85
(5)	75.00	25.00	40.00	125.00	338.00	75.00	100.00	85.00	100.00
(6)	12.40	17.50	17.85	19.50	12.00	15.00	19.50	19.25	19.00
(7)	16.27	22.00	24.10	25.00	29.00	26.40	28.50	18.25	28.00
(8)	68.38	60.00	40.00	48.00	55.00	45.00	80.00	103.00	55.00
(9)	.0475	.0502	.0598	.0550	.05	.06	.055	.055	.05
(10)	15.00	3.00	2.00	1.56	10.00	4.00	.50	3.00	4.00
(11)	985.00	575.00	367.00	500.00	690.00	500.00	300.00	486.00	390.00

All bids held under advisement.

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Unit Price Review

MAY 26, 1934

Vol. XVII—No. 21

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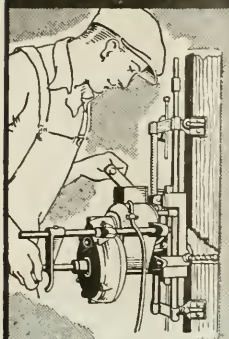

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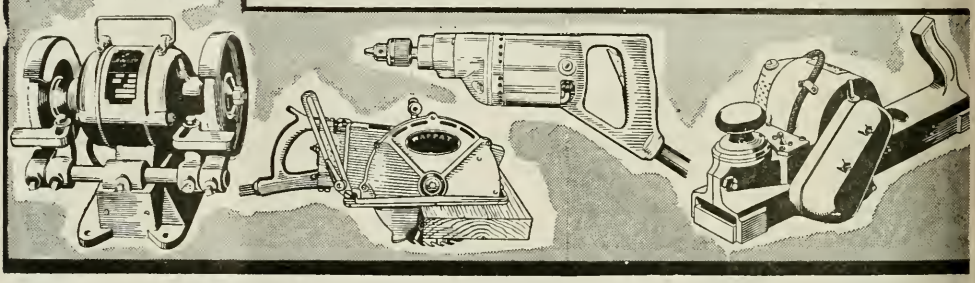

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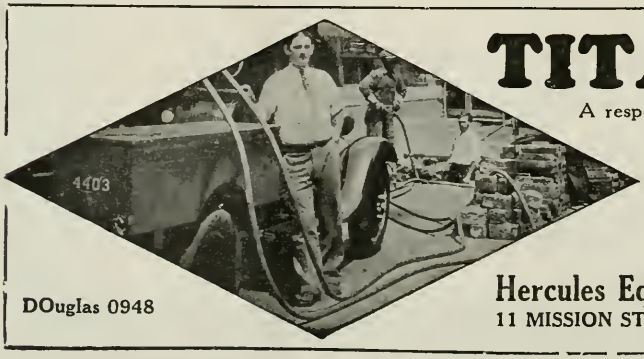

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SIX COMPANIES LOW BIDDERS ON BROADWAY BORE

Early Award to Syndicate of Boulder Dam Contractors Expected

Six Companies of California, Inc., composed of general contractors now engaged in the construction of Boulder Dam, will construct the Broadway Low-level Tunnel and its appurtenant grade separation structures. Members of the syndicate which became nationally prominent with their successful bid on the largest power project, yesterday offered a bid to Chief Engineer Wallace B. Boggs and directors of Joint Highway District No. 13 that is $710,682 below their nearest competitor.

Three bids were received for the tunnel contract. They follow:

Six Companies of California, Inc., 155 Sansome Street, San Francisco, $3,683,931.

Frazier-Brace Const. Co., and G. L. Tarlton, St. Louis, $4,394,613.

Silas Mason Company, New York City, $4,482,498.

Six Companies of California, Inc., is composed of W. A. Bechtel Co., 155 Sansome street, San Francisco; Henry J. Kaiser Co., 1522 Latham Square Bldg., Oakland; Utah Construction Co., 1 Montgomery street, San Francisco; MacDonald & Kahn Ltd. Financial Center Building, San Francisco; J. F. Shea Co., Henry Bldg., Portland, Ore.; and Morrison-Knudsen Co., Boise, Ida. These contractors, together with Warren Bros., Boston, and Pacific Bridge Co., Portland, are members of the original Six Companies, Inc., now completing Boulder Dam.

Officers of Six Companies of California are: S. D. Bechtel, president; Frank Modglin, vice-president; Edgar F. Kaiser, secretary, and L. S. Corey, treasurer.

Award of the contract was delayed until Friday when the directors will meet again to receive bids for the sale of district bonds which will finance the project in part. J. D. Shaw, senior highway engineer for the U. S. Bureau of Public Roads, representing District Engineer C. H. Sweetser, and A. D. Wilder, state PWA engineer, will examine the figures for the government, which is participating in the financing to the extent of more than a million dollars.

That the Six Companies associates will capitalize on experience gained in driving diversion tunnels for the Boulder Project is indicated in the figures submitted. The full differential between the bids is more than accounted for by comparison of figures on this portion of the contract. Following are the lineal-foot unit and lump sum figures for boring the 5620 feet of Type A tunnel:

	Per Ft.	Total
Engineer's estimate	$340	$1,910,800
Six Companies	325	1,826,500
Frazier - Brace	465	2 613,300
Silas Mason	475	2,669,500

The Six Companies' bid on the tunnel portion of the contract is $84,300 below the engineer's estimate and it is $786,800 below the figure of the second low bidder.

City Departments Call Bids On Airport and Sewer PWA Projects

San Francisco public works authorities yesterday were speeding expenditure of PWA money on projects finally authorized by contracts between the city and the federal government. After months of delay due to legal technicalities, since the voters authorized more than twenty million dollars in bonds for the work last November, contractors are invited to submit bids on the first PWA contract on June 6.

Director of Public Works W. H. Worden yesterday announced that bids would be received on that date for construction of Section C of the Fifteenth street sewer estimated at $159,000. The work is located in Treat avenue between Alameda and Bryant streets. It includes laying 1229 feet of reinforced concrete sewer. Extensive paving with asphalt concrete, also is included in the contract.

The Public Utilities Commission announced yesterday also the first calls for bids on extension of the landing field at San Francisco Airport, another PWA project. Bids will be received June 19. Specifications will be completed today.

In preparation for the first water system extensions the Water Department has authorized a call for bids on furnishing 431,000 feet of cast iron pipe. Bids will be received June 1 by T. A. Brooks, purchaser of supplies.

Engineers' Check Of Railroad Bids Shows Collucio Co. Low

SPOKANE, Wash., May 18—Complete check of bids received yesteday by the U. S. Bureau of Reclamation for construction of the Grand Coulee construction railroad disclosed that the low bid was submitted by L. Coluccio & Co., 103 Securities Bldg., Seattle. Illegible figures on the bid form resulted in a misinterpretation of Coluccio's bid originally and it was announced that David Ryan was the low bidder at $235,570.

The corrected figures made Coluccio's bid $232,425, the figure which the Reclamation Service engineers said would be accepted.

DIVISIONAL CODE AUTHORITIES NAMED

Recognition has been given by the Administrator to divisional code authorities established under approved chapters, and national headquarters have been established for the following:

Chapter 5, divisional code authority for Cement-Gun Contractors, Inc., 649-650 Munsey Bldg., Washington, D. C., Arthur J. White, executive secretary.

Chapter 6, divisional code authority of the Electrical Contracting Division, 420 Lexington Ave., New York City, Lawrence W. Davis, executive officer.

BIDDING RULES PRESCRIBED BY BUILDERS' CODE

Chapter II-A Defines Fair Practices for Letting Work By General Contract

Hearing of the proposed code of fair competition for Building Contractors (Chapter II-A of the Construction Industry Code) was on the calendar of the National Recovery Administration yesterday in Washington. The code is sponsored by the Associated General Contractors. At the hearing yesterday protestants were to be afforded an opportunity to present alternative proposals.

When approved by the National Recovery Administrator and the President the code will be effective after thirty days.

Articles V and VI of the code prescribe bidding practices and trade practices. The proposed rules for bidding follow in full text:

BIDDING PRACTICES

Section 1. In order that when contracts are to be let by competitive bidding the terms of the competition shall be such as to insure fair competition, the building contractor in submitting bids shall be governed by the following regulations, and violation of any of these regulations shall constitute unfair trade practice.

Section 2. A building contractor bidding upon or undertaking to execute contracts shall be properly qualified by capital, organization and experience to render a real and actual service in connection therewith; he shall have an established place of business and shall own or have available suitable and sufficient equipment to execute an essential part of the work with his own forces. When meeting the above requirements, a building contractor shall have the privilege of subletting any of the remaining parts of the work included in his contract, unless prohibited from so doing by any provisions of the contract or specifications covering the work.

Section 3. If so directed by the Local Committee, a building contractor shall not submit a bid in competition, except on a uniform proposal blank, which proposal blank shall be such that the low bidder can be readily, accurately, definitely, and fairly determined from the base price submitted on such blank.

Section 4. A building contractor shall not revise his bid after bids have been opened in order to improve his position with the Awarding Authority. Bona fide errors discovered after the submission of a bid may be grounds for the withdrawal of the bid, in which case the building contractor shall withdraw from that competition.

Section 5. After competitive bids have been submitted the building contractor shall not accept the contract for the work bid upon on any basis not provided for in his original proposal, unless the Awarding Authority, for some good and sufficient reason, not known at the time of the competition, shall first get the permission of the Local Code Committee or the Administrative Committee.

Section 6. A building contractor shall not pay or compensate an Awarding Authority in any manner for plans and specifications or other information furnished him for the purpose of making a bid, except where the building contractor requires more than one set of plans and specifications he shall be permitted to pay the fair cost of duplicating such additional plans and specifications.

Section 7. A building contractor shall not submit a bid or accept a contract which is not based on a true and reasonable estimate of all direct and indirect costs; he shall maintain and keep on file his original estimate and work sheets supporting his bid and/or contract.

Section 8. A building contractor shall not be obliged to name the Subcontractors whom he intends to employ for the various divisions of the work bid upon until after the bid for the work has been opened by the Awarding Authority and only just prior to the awarding of the contract, and then only to assure the Awarding Authority that the requirements of the specifications will be fulfilled. In the event that the awarding authority shall desire to substitute for the Subcontractor submitted by the building contractor, another Subcontractor he shall substitute one who has bid originally to the building contractor, and if such Subcontractor's price is higher than that of the Subcontractor first submitted, the building contractor shall be compensated for the additional cost and overhead entailed and such substitution and compensation shall not constitute or be construed to be a violation of any of the provisions of this this code.

Section 9. When competitive bids are not to be opened by the Awarding Authority in the presence of the competitors, the Local Committee shall provide a method for comparing bids submitted by building contractors, either by designating a depository for the filing of duplicate bids or by some other acceptable method. Where no Local Committee has been established the Administrative Committee may prescribe rules as above for a region or locality.

Section 10. For the purpose of this chapter II-A the requirements of Chapter II, Article V, Section 2, of this code, entitled "Credit Information," shall be deemed to have been compiled with when a building contractor makes available to an Awarding Authority such credit information as may be required by the Awarding Authority and in a manner satisfactory to it.

Section 11. A building sontrartor, when required to submit unit prices for omissions from and/or additions to work, shall submit such units only after his bid has been opened by the Awarding Authority, and then only on a basis of differentiating between additions and deductions.

Section 12. A building contractor shall not submit a competitive bid to an owner or any other person corresponding to an Awarding Authority who otherwise would not be bound unless such owner or other person when requested by a substantical number of bidders agrees to comply with all of the regulations provided herein governing an Awarding Authority.

Section 13. In case the Local Committee decides that the plans and/or specifications for a proposed building do not comply with the provisions of Chapter I, Article VII, Section 4, of this Code, it shall be unfair competition for any building contractor to submit a bid based on such plans and/or specifications.

SONOMA WAGE SCALES FIXED BY COMMITTEE

Rates of Pay For Skilled Labor Of All Classes Determined

A wage scale to be applied on all projects in Sonoma county has been established by the Sonoma County Wage Board and approved by CWA officials. The scale was determined after hearings conducted by a committee of NRA and relief officials.

The rates of pay determined to be prevailing in the locality follow:

Building Trades

Brick layers, $1.10 per hour; carpenters, 90c per hour; cement finishers, 90c per hour; electricians, $1 per hour; hardwood floormen, $1.10 per hour; hod carriers, 80c per h ur; lathers, $1.25 per hour; laborers, 62½c per hour; millmen, 90c per hour; painters, 90c per hour plumbers, 90c per hour; plasterers, $1.10 per hour; roofers, $1 per hour stone masons, $1 per hour; sheet metal men, 80c per hour; tile setters, $1 per hour.

Construction Trades

Laborer, 60c per hour; tractor driver (30-hp.) 68c per hour; tractor driver (60- 80-hp.) 75c per hour; truck driver (15,500 lbs. or less) 68c per hour; power shovel or crane operator, $1.25 per hour; oiler, 82c per hour; grader operator, 75c per hour; roller operator, 90c per hour; blacksmith, 82c per hour; teamster, 55c per hour; trouble shooter, 88c per hour; handyman, 60c per hour; carpenters, 90c per hour; structural steel workers, $1.25 per hour; hoisting engineer (steel) $1.25 per hour; reinforcing steel worker, $1.-25 per hour; hoisting engineer, $1.-25 per hour; painters, 90c per hour bridge laborers, 69c per hour; cement laborer, 77c per hour; concrete mixer operator, 95c per hour; concrete bridge deck finisher, $1.25 per hour; driller, 75c per hour; powderman, 75c per hour.

Any classification omitted hereln not less than 60c per hour.

County Road Maintenance

Tractor driver (30-hp.) 62½c per hour; truck drivers (15,500 lbs. or less) 62½c per hour; power shovel or crane operator, $1 per hour; oiler, 62½c per hour; grader operator, 62½c per hour; roller operator, 62½c per hour; teamster, $3.50 per 8 hours; carpenters, $6 per 8 hours bridge laborers, $3.50 per 8 hours; cement laborers, $3.50 per 8 hours; concrete mixer operator, 62½c per hour; unskilled laborers, $3.50 per 8 hours.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
254	Gilmore	Pacific	5000
255	Lerner	Moore	3000
256	Shumate	Owner	2400
258	Crocker	Coburn	50000
259	Turner	Schell	1500
260	Godin	Owner	2500
261	Howell	Jacks	8000
262	McAfee	Owner	2500
253	McAfee	Owner	2500
264	Herrmann	——	1500
265	Hosaka	Handa	6500
266	Currier	Callaghan	1868
267	Berendsen	Owner	1500

STATION
(254) SW MISSION AND STEUART. One-story Class C service station.
Owner—Gilmore Oil Co., Third and 18th Sts., San Francisco.
Architect—Not Given.
Contractor—Pacific Truck Service, 915 Rialto Bldg., S. F. $5000

ALTERATIONS
(255) NO. 2673 FILBERT ST. Alter flats.
Owner—Mrs. J. Lerner, 2673 Filbert St., San Francisco.
Architect—Not Given.
Contractor — Moore & Madsen, 557 Market St., San Francisco. $3000

ALTERATIONS
(256) NO. 1656 DIVISADERO ST. Alter nurses' home.
Owner — Dr. Thomas Shumate, 1640 Divisadero St., San Francisco.
Architect—Not Given. $2400

DWELLING
(257) N 26th ST. 53 E Douglas; one-story and basement frame dwelling.
Owner—Olga Peterson, 79 Mt. Vernon Avenue.
Plans by C. M. Baker, 155 New Montgomery Street.
Contractor—G. L. Peterson, 79 Mount Vernon Ave. $3000

REPAIRS
(258) GEARY AND POWELL STS. Repair fire damage to hotel.
Owner—Crocker Hotel Co., Geary and Powell Sts., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., S. F. $50,000

ALTERATIONS
(259) POST AND KEARNY STS. Alter clothing store, erect partitions for gymnasium.
Owner—Mr. Turner, Hastings Clothing Store.
Architect—Not Given.
Contractor—Fred W. Schell, 1651 24th Ave., San Francisco. $1500

DWELLING
(260) S SURREY 98 W Lippard St. One-story and basement frame dwelling.
Owner—Mrs. A. Godin, 586 Monterey Blvd., San Francisco.
Architect—Not Given. $2500

ALTERATIONS
(261) NO. 828 CAMINO DEL MAR. Alter dwelling and andd one-story
Owner—A. J. Howell, % Architect.
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St., S. F. $8000

DWELLING
(262) SW ATHENS 250 S Russia. One-story and basement frame dwelling.
Owner—R. A. McAfee, 125 Cervantes Blvd., San Francisco.
Architect—Not Given. $2500

DWELLING
(263) SW ATHENS ST. 225 S Russia. One-story and basement frame dwelling.
Owner—R. A. McAfee, 135 Cervantes Blvd., San Francisco.
Architect—Not Given. $2500

ALTERATIONS
(264) NO. 300 FRONT ST. Alter warehouse.
Owner—George Hermann Co., Prem.
Plans by Edgar Preston Ames, 251 Kearny St., San Francisco.
Contractor—Not Let as yet. $1500

ALTERATIONS
(265) NO. 1735 SUTTER ST. Alter dwelling.
Owner — S. Hosaka, 1421 California St., San Francisco.
Architect—Not Given.
Contractor—S. Handa, 1773 Post St., San Francisco. $6500

REPAIRS
(266) NO. 115 SAN RAFAEL WAY. Repair fire damage to dwelling.
Owner—E. Currier, Premises.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., S. F. $1868

ALTERATIONS
(267) NO. 128 VALENCIA ST. Alter auto sales room.
Owner—J. C. Berendsen, 883 Market St., San Francisco.
Architect—Not Given. $1500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
214	California	Christensen	3600
215	Turner	THenderson	6500
257	Peterson	Peterson	3000
216	Whalen	Owner	5000
217	Dunn	Cederborg	3100
218	Santa Cruz	Owner	1500
219	Casallna	Owner	2700
220	Berger	Owner	3250
221	Mannings	Owner	16000

SULPHUR PLANT
(214) NO. 8501 SAN LEANDRO ST., **OAKLAND.** One-story brick sulphur plant and one-story frame shed.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—Not Given.
Contractor — H. J. Christensen, 1955 Webster St., Oakland. $3600

STORE BLDG.
(215) NO. 1841 SOLANO ST., **BERKELEY.** One-story 1-room frame store building.
Owner — F. C. Turner, 2710 Durant Ave., Berkeley.
Architect—W. Stellberg.
Contractor—H. K. Henderson, 20 Avis Road, Berkeley. $6500

DWELLING
(216) NO. 171 BROOKSIDE AVE., **BERKELEY.** Two-story six-room frame dwelling and garage.
Owner—Whalen & Huffschmidt, 461 Tee Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland. $5000

DWELLING
(217) NO. 1871 SAN ANTONIO ST., **BERKELEY.** One-story 4-room frame dwelling.
Owner—Mrs. Anna F. Dunn.
Architect—Gwynn Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland. $3100

ALTERATIONS
(218) NO. 1175 FIFTY-SEVENTH Ave., **OAKLAND.** Alterations to factory.
Owner — Santa Cruz Fruit Packing Co., 1175 57th Ave., Oakland.
Architect—Not Given. $1500

DWELLING
(219) 3928 THIRTY-NINTH AVE., **OAKLAND.** Two-story 6-room dwelling.
Owner—Sam Casalina, 2946 Octavia St., Oakland.
Architect—Not Given. $2700

DWELLING
(220) NO. 5208 GOLDEN GATE Ave., **OAKLAND.** One-story 5-room dwelling and one-story garage.
Owner—H. Berger, 1713 Oregon St., Berkeley.
Architect—Not Given. $3250

ALTERATIONS
(221) NO. 1615 TELEGRAPH AVE., **OAKLAND.** Alterations.
Owner—Mannings, Inc., 365 Brannan St., San Fracisco.
Architect—Not Given. $16,000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
36	California	Christensen	3276
57	Howell	Jacks	8231
58	Da Massa	Sharman	14200

SULPHUR HOUSE
(36) ELMHURST PLANT NO. 58. All work for sulphur house.
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Contractor — H. J. Christensen, 1955 Webster St., Oakland.
Filed May 18, '34. Dated May 17, '34.
Work ½ completed.....$1225
When completed 1232
36 days after..... 819
TOTAL COST, $3276
Bond, $3276. Surety, U. S. Guarantee Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(57) NO. 828 MAMINO DEL MAR. All work for alterations and additions to dwelling.
Owner—Albert J. Howell, % Architect
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Contractor — Jacks & Irvine, Inc., 74 New Motgomery St., S. F.
Filed May 21, '34. Dated May 18, '34.
On 5th of each month..... 10%
Usual 35 days..... $823
TOTAL COST, $8231
Bond, limit, forfeit, none. Plans and specifications filed.

FLATS
(58) SW BEACH AND AVILA STS. All work for two two-story frame flat buildings.
Owner—Vincent Da Massa, 269 Avila St., San Francisco.
Architect—Not Given.
Contractor—Thos. R. Sharman, 3700 Broderick St., San Francisco.
Filed May 22, '34. Dated May 16, '34.
Roof up $3550
Brown coat plaster on..... 3550
Completed and accepted..... 3550

90 days or less after..... 3550
TOTAL COST, $14,200
Bond. $7100. Sureties, Frank Sasso and Louis Borlino. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Interest to be paid at rate of 6% per annum on all money due 35 days after completion.

BUILDING CONTRACTS

ALAMEDA COUNTY

No. Owner Contractor Amt.
DWELLING
(35) LOT 2612 Piedmont Pines, Oakland. All work for two-story and basement frame dwelling.
Owner—E. T. Deasy, San Francisco.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor — J. R. Armstrong, 1131 Fleet Road, Oakland.
Filed May 16, '34. Dated May 9, '34.
Frame up $1587
Brown coat plaster on..... 1587
Inside trim ready for painting 1587
When completed 1587
Usual 35 days..... 1587
TOTAL COST, $7935
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

37 California Paige 7405

ALTERATIONS
(37) NO. 2625 HEARST AVE., Berkeley. All work for alterations and additionh to Sorority House.
Owner—California Gamma Phi Kappa Psi House Assn., Premises.
Architect—Harris C. Allen, 557 Market St., San Francisco.
Contractor — Harold L. Paige, 5651 Oak Grove Ave., Oakland.
Filed May 22, '34. Dated May 21, '34.
3rd day of each month..... 75%
Usual 35 days.....Final
TOTAL COST, $7405
Bond, $3702.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, Aug. 1, 1934. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER factory, $700; 345 9th St.; owner, Carlos Solorzano , 1487 Greenwich St.
ALTER dwelling, $350; 1236 32nd Ave.; owner, Mr. and Mrs. J. Kern, 1236 32nd Ave.; owner, Erickson, 972 Chenery St.
REPAINT cloth sign, $30; 1001 Market St.; owner, The Bargain Corner, 1001 Market; contractor, L. Goldberg, 1085 Golden Gate Ave.
FLUES (2) patent, $50; 1220 Hampshire St.; owner, C. Profumo, 1220 Hampshire St.; contractor, J. A. Marshall, 225 Morse St.
SIGN, electric, $100; 198 Turk St.; owner, Faverman Drug Co., 198 Turk St.; contractor, Pioneer Electric Co., 2128 Market St.
SIGN, electric, $300; 2129 Taraval St. owner, Taraval Shade Co., 2129 Taraval St.; contractor, Brumfield Sign Co., 965 Folsom St.
BARBER pole, $50; 4327 18th St.; owner, E. Andersen, 4327 18th St. contractor, Pioneer Elec. Co.; 2128 Market St.
BARBER pole, $10; 3469 Mission St.; owner, F. Catalano, % 3469 Mission St.; contractor, Eureka Elec. Co., 3469 Mission St.
ALTER store and flat, $700; 3577 Sacramento St.; owner, J. Hang, 4032 Irving St.; contractor, Thos. M. Jones, 643 29th Ave.
ALTER fire wall, $300; 1145 Divisadero St.; owner, D. A. Sullivan, 1145 Divisadero St.
ALTER dwelling, $85; 2081 15th St.; owner, Mary K. Mogan, 2917 Broderick St.
ALTER apartments, $250; 1608 Larkin St.; owner, F. Flaherty, Prem.
SIGN, electric, $100; 2751 Mission St.; owner, L. Whiteman, Premises.
ADD to dwelling, $87.50; 132 Majestic St.; owner, George Wilson, 118 Lakeview St.
ALTER office and warehouse, $431; 40 Beale St.; owner, Crocker Bank Post and Montgomery Sts.; contractor, Oscar Presco & Sons, 55 Sterling St.
SIGN, electric, $500; 44 4th St.; owner, Argonaut Hotel, 44 4th Street; contractor QRS Neon Sign Co., 44 Fourth St.
SIGN, electric, $75; 130 Kearny St.; owner, Tip Top Club, 130 Kearny St.; contractor, Wonderlite Neon Products, Inc., 170 Otis St.
SIGN, electric, $150; 251 Third St.; owner, Martin & Porter, 251 Third St.; contractor, QRS Neon Sign Co., 690 Potrero Ave.
SIGN, electric, $125; 969 Geneva Ave. owner, Amazon Inn, Prem.; contractor, QRS Neon; 690 Potrero.
SIGN, electric, $100; 765 Market St.; owner, Golden Rule Cafe, Prem.; contractor, QRS Neon Sign Co., 690 Potrero Ave.
BILLBOARD, $6.25; SW Silver Ave. and Madison St.; owner, Foster & Kleiser, 1675 Eddy St.
ALTER restaurant, $200; 527 Bryant St.; owner, Patrick Cashman, 1378 Sixth Ave.
SIGN, electric, $100; 201 4th St.; owner, Don Tavern, Prem.; contractor, Elec. Products Corp., 255 Golden Gate Ave.
SIGN, electric, $350; 1545 Market St.; owner, El Patio Ballroom, Prem.; contractor, Elec. Products Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 121 New Montgomery St.; owner, Boquet Cohn 226 Powell St.; contractor, Elec. Products Corp., 255 Golden Gate.
SIGN, electric, $75; 403 Third St.; owner, Rincon Tavern, 403 Third St.; contractor, Electric Products Corp., 255 Golden Gate Ave.
ALTER apartments, $475; 3119-3123 Jackson St.; owner, Mr. Hirsch, 3119 Jackson St.
REPAIR fire damage to dwelling, $500 39 Woodland St.; owner, Austin Mortimore, 39 Woodland St.; contractor, Fred J. Early Jr., 369 Pine St.
SIGN, electric, $100; 1023 Van Ness Ave.; owner, Almond Blossom Restaurant, 102 Van Ness Ave.; contractor, QRS Neon, 690 Potrero Ave.
SIGN, electric, $150; 1228 Grant Ave.; owner, Portola Inn, 1228 Grant Ave.; contractor, QRS Neon, 690 Potroro Ave.
ALTER restaurant, $200; 527 Bryant St.; owner, Patrick Cashman, 1378 Sixth Ave.
SIGN, electric, $100; 5505 Geary Blvd. owner, A-1 Liquor Co., 5505 Geary Blvd.; contractor, Elec. Products Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 1172 Market St.; owner, El Capitan Dairy Lunch, 1172 Market St.; contractor, Elec. Prods. Corp., 255 Golden Gate.
SIGN, electric, $75; 527 Montgomery St.; owner, Old Treasury Bar, 527 Montgomery St.; contractor, Elec. Prods. Corp., 255 Golden Gate.
ALTER store, $50; 1732 Clement St.; owner, H. Behrman, 1728 Clement
BILLBOARD, $12; NE Howard and 11th Sts.; owner, Foster & Kleiser 1675 Eddy St.
BILLBOARD, $12.50; W Valencia St. 100 S 14th St.; owner, Foster & Kleiser, 1675 Eddy St.
REPAIR fire damage to dwelling, $150; 1520 Jackson St.; owner, P. De Martini, 1144 Clay St.; contractor, Ira W. Coburn, 2048 Market St.
ALTER flats, $100; 2868 22nd St.; owner, Joe Koch, Premises.
BARBER pole, $75; 1398 California St. owner, F. A. Schaffer, 1145 Hyde.
BILLBOARD, $12.50; NE Irving and 25th Ave.; owner, Foster & Kleiser 1675 Eddy St.
BILLBOARD, $12.50; NW Judah St. and 12th Ave.; owner, Foster & Kleiser, 1675 Eddy St.
BILLBOARD, $12.50; SW Judah St. & 12th Ave.; owner, Foster & Kleiser 1675 Eddy St.

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BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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Offices
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
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17.—Theatres
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19.—Misc. Const.
20.—Misc. Supplies & Materials

2— BONDS

BONDS SOLD

LOS ANGELES, Cal.—A syndicate headed by William Cavalier & Co., has purchased from the City of Los Angeles a $2,000,000 block of the 1930 water works bonds at par, accrued interest at 4½%, and a premium of $17,120. The bonds mature $50,000 annually from 1935 to 1074, inclusive. The syndicate is composed of the following companies: Halsey, Stuart & Co., Geo. B. Gibbons & Co., Graham Parsons & Co., Darby & Co., Bancamerica-Blair Corp., and William Cavalier & Co.

The other bids were:

Weeden & Co., William R. Staats Co. and City Co., Inc., 4½% interest, premium of $6,380.

R. H. Moulton & Co., Dean Witter & Co., Security-First Co., Blythe and Co., First of Boston Corp., Griffith, Wagenseller & Durst, and Keane Taylor & Co., 4¾%, premium of $20,637.

BONDS FOR SALE

FOREST RANCH, Butte Co., Cal.—Forest Ranch School District will sell bonds in the amount of $3150 on June 8. Funds are to finance construction of a one-story frame and stucco school building for the Forest Ranch School District in Forest Ranch. Chester Cole, Chico, architect.

BONDS FOR SALE

MANTECA, San Joaquin Co., Cal.—Calla School District will sell bonds in the amount of $6000 on May 28. Funds are to finance construction of a one-story frame and brick veneer school building in Manteca for the Calla School District. Frank Mayo, 108 E. Miner St., Stockton, architect. Upon sale of bonds bids will be asked.

TO SELL BONDS

PALO ALTO, Santa Clara Co., Cal.—Palo Alto School District will set a date in the near future for the sale of bonds in the amount of $15,000. Funds are to finance construction of a new junior high school in Palo Alto.

Birge M. Clark, 310 University Ave., Palo Alto, architect; W. L. Huber, 1 Montgomery St., San Francisco, structural engineer.

BONDS FOR SALE

PALO ALTO, Santa Clara Co., Cal.—Palo Alto High School District will sell bonds in the amount of $110,000 on June 11. Funds are to finance construction of and improvements at the Palo Alto High School and Mayfield School.

Birge M. Clark, 310 University Ave., Palo Alto, architect; W. L. Huber, 1 Montgomery St., San Francisco, structural engineer.

3— CHURCHES

Contract Awarded.

ALTER CHURCH Cost, $2500
SAN RAFAEL, Marin Co., Cal.
Alterations to church.
Owner — First Church of Christ Scientist.
Architect — Albert Evers, 525 Market St., San Francisco.
Contractor—Wm. H. Sawyer, 146 Calumet Ave., San Anselmo.

Construction Started.

CHURCH Cost, $5500
YUBA CITY, Sutter Co., Calif.
One-story wood frame church building (to seat 230) shingle roof, etc.
Owner—New Baptist Church (Rev. E. L. Allen, Pastor).
Architect—Charles Dean, California State Life Bldg., Sacramento.
Contractor—C. A. Otto, 823 12th St., Marysville.

Electrical Contract Awarded.

CHURCH Cost, $30,000
SAN FRANCISCO. Fourteenth Ave. and Clement St.
One-story reinforced concrete and steel church (to seat 100); felt, gravel and terra cotta tile roof, some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect—F. W. Dakin, 625 Market St., San Francisco.
Contractor—Leo Epp, 4745 Geary St., San Francisco.
Electric — Grandi Electric Co., 3373 Sacramento St., San Francisco.

As previously reported lumber contract awarded to Roth Maier Lumber Co., 2800 Third St.

4— FACTORIES & WAREHOUSES

Lumber Contract Awarded.

GRAIN ELEVATOR Cost, $57,500
OAKLAND, Alameda Co., Cal. Oakland Waterfront.
Seven-story reinforced concrete grain elevator (200,000 bushel capacity; 40x90 feet) sprinkler system, piling excavation, etc.
Owner—Albers Bros. Milling Co., West end of 7th St., Oakland.
Plans by Engineering Dept. of Owner. Oconomowoc, Wis.
Contractor — Jones Hettelsater Constr. Co., 600 Mutual Bldg., Kansas City, Missouri.
Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.

Grading and excavation will be done by owner.

Piling has just been completed by Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.

Contract Awarded.

ADDITION Cost, $3600
ELMHURST, Alameda Co., Cal.
Frame addition to packing plant No. 58.
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Contractor—J. H. Christensen, 1955 Webster St., San Francisco.

Plans Being Figured.

FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory (45x140 feet).
Owner—Channel Pie Co., 3566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

BIDS ARE BEING RECEIVED FROM LOCAL CONTRACTORS ONLY
No bid opening date set.

CONTRACT AWARDED

MESA, Arizona—Wood, Ault & Holt Co., Mesa, awarded contract for a citrus packing shed at Fourth Ave. and Mesa Drive, Mesa, for McKellips Citrus Groves; C. H. McKellips, owner. Tyson Bros., Mesa, have the plumbing contract. The building will be a wood frame and galvanized iron structure. 120x150 feet in area, with hardwood floors. Cost, $35,000.

Additional Contracts Awarded

PLANT Cost, $150,000
MADERA, Madera Co., Cal. 1120-acre site.
One-story steel frame fabricating plant (300x128 ft.) sheet metal, machinery, etc.
Owner—Kingsland Granite Co., (Wm. A. Hubbard, Vice-President) Rowell Bldg., Fresno.
Plans by Engineering Dept. of Owner.
Spur Track—E. C. Paisley, 501 Franklin St., Modesto.
Well Drilling—F. A. Johns, Madera.

Electrical bids are being taken.

As previously reported, structural steel awarded to International Steel Co., Evansville, Ind.; erection of structural steel to G. J. Anderson, Premises; foundations, carpentry work and roofing contracts to Robt. W. Brown, 124 High St., Madera.

Contract Awarded.

LUBRICATING PLANT Cost, $20,000
RICHMOND, Contra Costa Co., Calif. Parr Terminal.
Lubricating plant (oil storage facilities for distribution of lubricating oils, with 15,000 lbs. storage capacity, galvanized tanks, 12-14-gauge, etc.)
Owner—Penant Oil & Grease Co, (E. H. Haserot, President), Santa Fe Ave., Los Angeles.
Contractor—P. M. Sanford, P. O. Box, 1961 Richmond.

Plans Being Figured—Bids Close May 28, 10 A. M.

WINERY & OFFICES Cost, $100,000
AMPERE, San Joaquin Co., Calif.
One-story winery (170x260 ft.) and 1-story frame office building (type of construction net determined) 750,000-gal. capacity.
Owner—Bear Creek Winery & Vineyard Assn. (L. K. Marshall, Gottfried Handel, Jos. Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Frank Mayo, 108 E. Miner Street, Stockton.

Bids are being taken on three propositions as follows:
(1) reinforced concrete construction;
(2) special composition;
(3) reinforced plaster wall construction.

Following have procured plans:
H. H. Henning, 1751 Berkeley Ave., Stockton.
John J. Cavanagh, 219 N. Sutter St., Stockton.
J. B. Oswald, 760 El Cerrito Ave., San Mateo.
George Roek, 1724 W. Cornell St., Stockton.
Terry Brothers, Lodi.

John Heib, 425 N. Sacramento St., Lodi.
S. Webster, Lodi.
John Meyer, 127 W. Charter Way, Stockton.
L. S. Peletz, 1660 W. Acacia Ave., Stockton.
Ecker & Stegmiller, 1658 S. San Swanson & Chance, Turlock.
Joaquin St., Stockton.

Contracts Awarded
REMODEL BREWERY Cost, $150,000
SAN FRANCISCO. 240 Second Street.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building, new bottling line, remodel bottling house.
Owner—Wieland Brewery (Walter Metzenbaum) 240 Second Street.
Engineer—Herman Noethit, 240 2nd St.
Steam Cleaning — California Maintenance Service, 565 Larkin Street.
Roofing—Pabco Roofing Service.
Bids are being taken on other portions of the work.
(4383) 1st report April 27; 3rd, May 16, 1934.

Planned
WINERY Cost, $——
NAPA, Napa Co., Calif.
Construct new winery.
Owner—Cedar Knoll Vineyard Co., 251 Front St., San Francisco.
Architect—Not Selected.
Articles of incorporation have been filed at the State Capitol.

Planned
DISTILLERY Cost, $300,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Construct new distillery.
Owner—Donlevy Distilling Corp., San Diego.
Architect—Not Selected.
Federal Alcohol Control Administration has approved the permit to operate.
(3744) 1st report Feb. 14; 2nd, March 29, 1934.

Bids Opened
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two - story reinforced concrete warehouse (518x101 feet) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors, electric elevator, 520 ft. of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Bros., Oakland.
Low Bidder—K. E. Parker Co., 135 South Park, San Francisco.
Following bids received:

K. E. Parker Co., S. F.	$121,000
Wm. Spivock, San Francisco	125,390
Dinwiddie Const. Co., S. F.	130,400
MacDonald & Kahn, S. F.	136,875
Barrett & Hilp, San Francisco	137,376
Lindgren & Swinerton, S. F.	139,880
Axel Cederborg, Oakland	144,953
W. G. Thornally, Oakland	154,900
Schuler & McDonald, Oakland	157,000

Three low bids held under advisement until May 28.

Construction Started.
WAREHOUSE Cost, $13,000
SAN JOSE, Santa Clara Co., Cal. Race and Moorpark Sts.
One-story wood frame warehouse corrugated iron sides and roof (concrete foundations).
Owner—United States Products Co., Premises.
Architect—Binder & Curtis 35 W-San Carlos Sts., San Jose.
Contractor—Summers Constr. Co., 17 N-First St., San Jose.

Being Done By Day's Work
WAREHOUSE, ETC. Cost, $——
MODESTO, Stanislaus Co., Cal. Ninth and Tenth Streets.
One - story concrete and brick warehouse (70x140 feet) and one-story concrete garage (50x140 ft.)
Owner—Milk Products Assn. of Central California, 540 S. Pilgrim St., Modesto.
Work is being done by day's labor under the supervision of the owners. Materials are being purchased locally.

4 — FACTORIES & WAREHOUSES

Sub-Contracts Awarded.
BREW HOUSE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. No. 1025 Cinnabar Street.
Four-story reinforced concrete brew house (24x66 feet).
Owner — Pacific Brewing & Malting Co., Russ Bldg., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bris., 206 Sansome St., San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.
Cement & Sand—Henry Cowell Lime & Cement Co., 2 Market St., San Francisco.
Steel Sash—Truscon Steel Co., Call Bldg., San Francisco.
Ornamental Iron—National Ornamental Iron & Bronze Works, 434 9th St., San Francisco.

Prospective Bidders.
ALTER BLDG. Cost, $——
SAN FRANCISCO. No. 300 Front Street.
Alterations to warehouse.
Owner—George Hermann, 300 Front St., San Francisco.
Plans by Edgar P. Ames, 2177 Pacific Ave., San Francisco.
Following have procured plans (selected list of contractors). Bids open May 28, 12 Noon.
Clinton Stephenson Constr. Co., 550 Montgomery St.
Mullen Mfg. Co., 64 Rausch St.
Wm. Martin, 666 Mission St.
G. P. W. Jensen, 320 Market St.
Chas. Stockholm & Sons, Phelan Bldg.

Contract Awarded.
WAREHOUSE Cost, $51,000
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One-story wood frame grain warehouse (220x250 ft.) galvanized iron roofing and siding, concrete floors, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Port Stockton Grain Terminal Corporation.
Contractor—J. Hackman, P. O. Box No. 206, Stockton.
Following bids received:

John Hackman	$49,444
J. C. Nunley	51,953
J. A. Allen	53,495
L. S. Peletz	53,700
C. H. Dodd	53,877
Ecker Bros.	54,000
H. H. Henning	54,103
Campbell Constr. Co., Sacto.	54,568
Sam Eyre, Tracy	56,132

All bidders of Stockton unless otherwise noted.

PREPARING PRELIMINARY PLANS
UPLAND, San Bernardino Co., Cal. Architect W. W. Ache, 1616 4th Ave., Los Angeles, is preparing preliminary plans for an office building and packing plant to be built between 4th and 5th Avenues on A Street, Upland, for the Upland Lemon Growers Assn., L. R. Bradley, manager. The office building will be a one-story structure, 28x80 feet in area, frame and stucco construction, steel sash, composition roofing, etc. The packing plant will be an L-shaped structure, 318x245x100x111 ft. in area; concrete walls, composition roofing, concrete floors, steel sash, concrete basement, receiving, washing and packing facilities, etc. It is also planned to erect a box shed at the site. Cost, $100,000.

SUB-CONTRACTS AWARDED
SAN FRANCISCO—DeLuca & Son, Inc., 1745 Filbert St., awarded the following sub-contracts for the construction of a machine shop building (Airport Contract No. 33).
Work as follows Piling has been driven for foundation and cut-off at elevation 2.0. The new building to be founded on this piling of concrete footings. Structure will be two-story of reinforced concrete beam and slab floor construction, structural steel frame, timber walls covered with galvanized metal, 18x65 feet; timber roof covered with composition roofing, interior timber frame partitions.
Structural Steel — Golden Gate Iron Works, 1541 Howard St.
Reinforcing Steel — W. C. Hauck & Co., 17th and Wisconsin Sts.
Mill Work—Balboa Mill & Cabinet Co., 100 Havelock St.
Plumbing — Fred J. Baciocco, 3124 Geary St.

Structural Steel Contract Awarded.
ADDITION Cost, $——
EUREKA, Humboldt Co., Cal. Broadway.
Addition to brewery (work involves installation of seven new tanks of 350 bbl. capacity each, new mash tubs, hot water tanks, etc.)
Owner—Humboldt Malt & Brewing Co. Financial Center Bldg., San Francisco.
Plans by Engineerig Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel—Eureka Boiler Wks. Eureka.

5— FLATS

Contract Awarded.
ALTER FLATS Cost, $3000
SAN FRANCISCO. No. 2673 Filbert Street.
Alterations to frame flats.
Owner—Mrs. J. Lerner, Premises.
Architect—Not Given.
Contractor—Moore & Madsen, 557 Market St., San Francisco.

Contract Awarded
FLATS Cont .Price, $14,200
SAN FRANCISCO. SW Beach and Avila Streets.
Two 2-story and basement frame and stucco flats (2 flats).
Owner and Builder—Vincent Da Massa, 260 Avila Street.
Contractor—Thos. R. Sharman, 3700 Broderick Street.

6— GARAGES & SERVICE STATIONS

Planned.
SERVICE STATION Cost, $——
SAN JOSE, Santa Clara Co., Cal. Post and Market Streets.
Construct new service station.
Owner — Associated Oil Co. 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, $5000
SAN FRANCISCO. SW Mission and Steuart Streets.
One-story Class C service station.
Owner — Gilmore Oil Co., Third and Eighteenth Sts., San Francisco.

Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service, Rialto Bldg., San Francisco

Contract Awarded.
SERVICE STATION Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 85 E. San Carlos St.
Gasoline service station.
Owner—Gilmore Oil Co., Third and 18th Sts., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service Co., 646 Park Ave., San Jose.

Plans Being Completed.
BUS SHED Cost, $3500
SALINAS, Monterey Co., Cal. High School.
One-story frame and stucco bus shed (100x30 feet).
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 61 Maple St., Salinas.
Bids will be asked May 28.
(4498) 1st report May 14, 1934. * 6

May 24, 1934

BIDS OPENED
SAN FRANCISCO.—Thos. M. Jones, 643 29th Ave., at $1,783 submitted low bid to the Veterans' Administration, Fort Miley, for the construction of one personnel garage of four stalls at Fort Miley. Following bids received:
(1) work complete, less concrete floors and aprons, outside stucco;
(2) work complete, including concrete floors and aprons;
(3) work complete, including outside stucco;
(4) work complete, using upswinging doors in lieu of swinging doors.

Thomas M. Jones	(1)	$1,783.00
	(2)	170.00
	(3)	79.90
	(4)	11.00
Monson Brothers	(1)	$1,790.00
	(2)	158.00
	(3)	136.00
	(4)	30.00
R. S. Galway	(1)	$1,820.00
	(2)	165.00
	(3)	105.00
	(4)	40.00
R. S. Silverberg	(1)	$1,829.00
	(2)	169.00
	(3)	60.00
	(4)	20.00
Henry Pappenhausen	(1)	$2,020.00
	(2)	180.00
	(3)	80.00
deduct	(4)	40.00
DeLuca & Son, Inc.	(1)	$2,124.00
	(2)	165.00
	(3)	90.00
(deduct)	(4)	25.00
Frank J. Reilly	(1)	$2,271.00
	(2)	225.00
	(3)	75.00
	(4)	25.00

Bids held under advisement.

7—FEDERAL BUILDING

BIDS WANTED
SAN FRANCISCO.—Until June 4, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for the construction of two company officers' quarters and utilities for the Second Field Artillery at Fort Clayton, Canal Zone. Estimated cost, $36,000. Plans and specifications are available from above office upon deposit of $15.00.

BIDS WANTED
SUMMIT, Canal Zone.—Until June 6, 11 A. M., bids will be received by the Public Works Officer, Fifteenth Naval District, Balboa, Canal Zone, for concrete foundations for radio towers at the Naval Radio Station, Summit, C. Z. Plans and specifications available from above office and from War Dept., Washington, D. C., upon deposit of $10.00.

FUNDS ALLOTTED
ALASKA. — Public Works Administration allotted funds in the amount of $92,000 to the Department of Commerce for rebuilding Five Finger Light Station in Alaska which was destroyed by fire December 8, 1933.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Frank J. Reilly, 6350 Fulton Street, San Francisco, at $3,241 awarded contract by the constructing Quartermaster for the construction of one concrete swinging compass base at Hamilton Field

BIDS OPENED
SAN FRANCISCO. — Oscar Aaron, 243 Sixth St., San Francisco, at $6,350 submitted low bid to the Constructing Quartermaster, Fort Mason, for the steam heating system at Fort Mason.
Following bids received:

Oscar Aaron	$6,350.00
A. Ramanzotti	6,629.85
Skelly & Kohler	7,046.00
M. J. Reeves	7,902.00
George Rehn	7,981.00
M. Desiano	7,997.00
F. W. Snook	8,073.00
Herman Lawson	8,077.00
E. Sugarman	8,599.00

Bids held under advisement.

LOW BIDDERS
SAN FRANCISCO. — H. A. Framburg & Co., 3320 Carroll Ave., Chicago, at $8,478 submitted low bid to Treasury Department, Washington, D. C., for furnishing and installing interior lighting fixtures in the U. S. Federal Office Bldg., San Francisco. Boyd Lighting Fixture Co., San Francisco, submitted second low bid at $8,998. Complete bids will be published shortly.

CONTRACT AWARDED
BOULDER CANYON Project, Nev. —Consolidated Steel Corp., Los Angeles, awarded contract by Bureau of Reclamation, Denver, at $3450 (item 1), for structural steel stairways for Boulder Canyon Project; Spec. 611-D. Associated Piping & Engr. Co., Los Angeles, awarded contract at $4900 (item 3) for handrails for structural and spiral stairways. Item 2, spiral stairways and platforms, will be awarded by the Bureau in Washington. Ornamental Iron Works Co., Akron, Ohio, submitted the low bid at $11,557 on item 2.

BIDS WANTED
CORVALLIS, Ore. — Until June 12, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster in the U. S. Post Office, etc., at Corvallis, Oregon. Specifications may be obtained from above office or from the Custodian of the Building, Corvallis, Oregon.

BIDS WANTED
HOQUIAM, Wash.—Until June 13, 2 P. M., bids will be received by the Treasury Department, Public Works Branch, Procurement Division, Washington, D. C., for stucco work, etc., for the U. S. Post Office, Hoquiam, Washington. Specifications may be obtained from above office or from the Custodian of the Building, Hoquiam, Washington.

BIDS WANTED
STOCKTON, San Joaquin Co., Cal. —Until June 5, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for insect screens in the U. S. Post Office, Stockton. Specifications may be obtained from the above office or from the Custodian of the Building, Stockton.

BIDS WANTED
DOUGLAS, Arizona—Until June 5, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Douglas, Arizona. Specifications may be obtained from above office or from the Custodian of the Building, Douglas, Ariz.

BIDS WANTED
CARLSBAD, New Mexico—Until June 12, 3 P. M., bids will be received by the Treasury Department, Public Works Branch, Procurement Division, Washington, D. C., for the construction of the U. S. Post Office at Carlsbad, New Mexico. Plans and specifications available from above office upon deposit of $15. Estimated cost $72,600.

BIDS OPENED
SAN FRANCISCO. — Car - Ne - Var Corp., Brazil, Ind., at $1,840 submitted only bid to the Treasury Department, Washington, D. C., for treatment for floor finishes in the new extension portion of the U. S. post office and court house, San Francisco.

COMPLETE BID LISTING
MARYSVILLE, Yuba Co., Calif.—As previously reported, Watson Mfg. Co., 63 Taylor St., Jamestown, New York, at $660 submitted low bid to Treasury Dept., Procurement Division, Washington, D. C., for furnishing and installing insect screens in the U. S. post office, Marysville.
Complete bids follow:

Watson Mfg. Co., Jamestown, New York	$660.23
Chamberlin Metal Weatherstripping Co., Detroit	674.93

FOR MASON—FIRE STATION—(GOVT.)

SAN FRANCISCO—DeLuca & Son, Inc., 1745 Filbert St., at $17,540 submitted low bid to the Constructing Quartermaster, Fort Mason, for the construction of a battery charging station and fire station in Dock Area, Fort Mason. Following bids received:
(1) Work complete;
(2) Add, if a steel dead front switchboard is installed;
(3) Concrete, Class A, including forms per cu. yd.;
(4) Concrete, Class B, including forms per cu. yd.;
(5) Reinforcing steel, per lb.;
(6) Structural steel, per lb.;
(7) Excavation, rock, per cu. yd.;
(8) Excavation, earth, per cu. yd.
(A) DeLuca & Son, Inc., $17,540, 400 days.
(B) Frank J. Reilly, $17,931; 220 days.
(C) William Spivock, $19,280; 120 days
(D) C. L. Wold Co., $19,407; 90 days.
(E) A. Nelson, $19,434; 100 days.

	(A)	(B)	(C)	(D)	(E)
(1)	$17,540.00	$17,931.00	$19,280.00	$19,407.00	$19,434.00
(2)	1,300.00	1,500.00	1,350.00	1,290.00	1,350.00
(3)	15.00	16.00	15.00	14.00	15.00
(4)	18.00	18.00	15.00	16.00	15.00
(5)	.05	.05	.05	.05	.04
(6)	.06	.07	.07	.05	.04
(7)	5.00	4.00	2.00	4.00	2.00
(8)	1.00	1.50	.75	2.00	1.00

Bids held under advisement.

Johnson Metal Prod. Co., Washington, D. C. 741.69
Forderer Cornice Works, S. F. .. 752.60
Corry Metal Stripping Co. Corry 829.19
Cincinnati Fly Screen Co., Cincinnati, Ohio 829.19
Orange Screen Co., Maplewood, New Jersey 969.77
Bids held under advisement.

COMPLETE BID LISTING

MARYSVILLE, Yuba Co., Calif.—As previously reported, Newman Brothers McMinnville, Oregon, at $759 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster in the U. S. post office, Marysville.

Complete bids follow:

Newman Bros., McMinnville	$ 759
D. Zelinsky & Son, S. F.	774
Patterson Bros., Oakland	810
Noah Jones, Chico	960
H. J. McKinley, Beverly Hills	990
Raphael Co., San Francisco	1,075
W. G. Plumert, Oakland	1,199
Robinson Paint. Co., Marysville	1,489

CONTRACT AWARDED

FORT LEWIS, Wash.—General Installation Co., Olympia, Wash., at $13-540 awarded contract by Constructing Quartermaster, Fort Lewis, for the installation of plumbing and heating equipment for the Drill Hall at Fort Lewis. Complete bids published May 7th.

Prospective Bidders.

ALAMEDA, Cal. — Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on May 31 for painting the plaster, etc., in the U. S. Post Office, Alameda:

A. Van Heerden, 3260 College Ave., Oakland.

Patterson Bros., 573 Santa Rosa Ave., Berkeley.

Wilshire Decorating Co., 1055 Clark Drive, Los Angeles.

L. Roden Co., 545 Central Ave., Alhambra.

J. A. Turgeon, 2055 Webster St., Oakland.

Smythe & Co., 1416 F St., N. W., Washington, D. C.

Neuman Bros., McMinnville, Oregon

BIDS OPENED

GLENDALE, Los Angeles Co., Cal.—Chamberlain Metal Weatherstrip Co., Detroit, Mich., at $854.33 submitted low bid to Treasury Department, for insect screens in the U. S. Post Office, Glendale. Following bids received:

(1) Metal; (2) Wood.

Chamberlain Metal Weatherstrip Co., Detroit, Mich.	(1)	$ 754.33
	(2)	261.10
Johnson Metal Products Co., Wash., D. C.	(1)	903.03
	(2)	216.47
Watson Mfg. Co., Jamestown New York	(1)	927.64
	(2)	288.70
Ceco Weatherstrip & Steel Prod. Co., Chicago	(1)	041.39
	(2)	191.50
Automatic Tension Screen Co., Los Angeles	(1)	1380.55
	(2)	———
Hipolito Co., Los Angeles	(1)	1390.00
Cincinnati Fly Screen Co. Cincinnati	(1)	1026.55
	(2)	197.10
Orange Screen Co., Maplewood, New Jersey	(1)	1114.57
	(2)	312.46

Bids held under advisement.

BIDS OPENED

CEDAR CITY, Utah—M. C. Roberts Plumbing, Heating & Refrigerating Co., 43 N. Main Ct., Cedar City, at $1150 submitted only bid to Treasury Department for miscellaneous changes in the Post Office, Cedar City. Bids held under advisement

CONTRACT AWARDED

HONOLULU, T. H.—Mutual Telephone Company, 1128 Alaska St., Honolulu, at $2160 awarded contract by the Treasury Department, for automatic telephone system in the Immigration Station, Honolulu, T. H.

Plans Being Completed

MISC. BLDGS. Cost, $——
YOSEMITE VALLEY, Cal. Wawona and Tuolumne Meadows.
Construct rest room, ranger station, bunk house, dining room, kitchen building, etc.
Owner—United States (Govt. (National Park Service).
Plans by National Park Service, 525 Market St., San Francisco.

Plans will be completed in one week and work will be done by day's labor under the supervision of the Park Superintendent, Yosemite Valley.

9— HOSPITALS

May 24, 1934

Preparing Working Drawings.

HOSPITAL Cost, $615,000
SAN FRANCISCO. Potrero Ave. and Twenty-second St.
Six-story cancer building and five-story psychopathic hospital (double building; T-shaped); concrete, steel and brick construction, flat roof.
Owner—City and County of San Francisco.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
It is expected to ask bids about July 1.
(3783) 1st report Feb. 17, 1934. * 9

10— HOTELS

Preparing Working Drawings — Contract Awarded

DORMITORY Cost, $60,000
LOS GATOS. Santa Clara Co., Cal. Tevis Estate.
Two story frame and shingle dormitory (to house 50)
Owner—Jesuit Order.
Architect—Edward Eames, 353 Sacramento St., San Francisco.
Contractor—H. C. Miller, 1313 Franklin St., Santa Clara.

Contract Awarded

REPAIR HOTEL Cost, $50,000
SAN FRANCISCO. Geary and Powell Streets.
Repair fire damage to Italian room in St. Francis Hotel.
Owner—Crocker Hotel Co., Geary and Powell Streets.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Ira W. Coburn, 2048 Market Street.

11—ICE AND COLD STORAGE PLANTS

May 24, 1934

To Ask Refrigeration Bids.

REFRIGERATION SYSTEM $3000
SANTA CRUZ, Santa Cruz Co., Cal. Municipal Wharf.
Construction of new refrigeration system and ice box on Municipal Wharf.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—Not Given.
The ice box is now being constructed by the owner and bids on the refrigeration will be asked shortly.
(4471) 1st report May 10, 1934. 11

MAKING SURVEY

WASCO, Kern Co., Cal.—H. H. Middlecoff, care of B. W. Homfield, Wasco, is making a survey of the Wasco-Shafter district in Kern county where he proposes establishing a cold storage plant for handling the potato crops of that section. Mr. Middlecoff's plan contemplates a plant to cost $3,000,000, which would be financed through government funds under provisions of the recent act of Congress appropriating $100,000,000 credit for the advancement of the agricultural industry. A petition representing 80% of the potato acreage in the Wasco-Shafter district would be necessary before the project could be considered by the government.

12— POWER PLANTS

CONTRACT AWARDED

SAN FRANCISCO — F. W. Snook Co., 596 Clay St., at $92,744 awarded contract by Department of Public Works for alterations and additions to the steam generator plant at the Laguna Honda Home. Construction started May 17. Work involves

Construction of a new building for boiler room, boiler to be 400 horsepower complete automatic plant control, induced air fan, electrically driven, complete boiler room instruments, pneumatic water system, new filter system, two 10,000 gallon storage tanks, alterations to present switch board and feeders for relining of oil boiler.

Following sub-bids were submitted with the bid of F. W. Snook

Electric—Charles A. Langlais, 472 Tehama St., at $17,498.
Covering—Jones Bros., 370 Second St. at $1810.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., at $1963.85.
Tile—Albert Cook, 1216 Powell St., at $1480.
Grading—Sibley Grading & Teaming Co., 65 Landers St., at $1655.
Yard Paving—Pacific Pavements Co., 85 Barstow St., at $.23 per sq. yd.
Steel Sash and Miscellaneous Iron—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., at $1921.
Painting—D. Zelinsky, 165 Grove St., at $300.
Roofing—Malott & Peterson, 20th and Harrison Sts., at $930.
Forms, Reinforcing and Concrete—Mission Concrete Co., 270 Turk St., at $7917.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., at $753.
Glass—W. P. Fuller & Co., 301 Mission St., at $223.
Reline Boilers—J. T. Thorpe & Son, 417 Market St., at $1811.

TO ASK FEDERAL AID

RED BLUFF, Tehama Co., Cal.—Los Molinos Grange has started a movement for the construction of a new county hospital in Los Molinos. The Board of Supervisors has under consideration a proposition to procure money from the Government in the amount of $65,000. Further details will be announced at a later daat.

CONTRACT AWARDED

FORT PECK, Mont.—W. C. Smith, Inc., Builders' Exchange, Duluth, Minnesota, at $18,632 was awarded contract by the U. S. Engineer's Office, 707 Postal Telegraph Bldg., Kansas City, Mo. for constructing electric substation building at Fort Peck dam site.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Preparing Sketches.

TOWN HALL AND FIREHOUSE Cost, $40,000
MILL VALLEY. Marin Co., Cal. Corte Madera Ave. near Throckmorton.
Construct new town hall and fire station.
Owner—Town of Mill Valley.

Architect—S. Heiman, 605 Market St. San Francisco.

Planned.
LIBRARY Cost, $50,000
VISALIA, Tulare Co., Cal.
Construct new library building.
Owner—City of Visalia (J. J. Phillippe, City Manager), Visalia.
Architect—Not Selected.
Further details will be announced at a later date.

To Ask Bids May 28.
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined).
Owner—City of San Jose (C. E. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

TO ASK BIDS SHORTLY
VISALIA, Tulare Co., Cal.—Tulare county supervisors are expected to call for bids this month for the construction of an addition to the Tulare county courthouse in Visalia. It will be a three-story, reinforced concrete structure with a steam heating plant. Ernest J. Kump, Rowell Bldg., Fresno, is the architect. Public Works Administration recently approved a grant of $40,000 to be used in financing the addition, total cost of which is estimated at $140,000. The county has more than $100,000 on hand for the project.

14— RESIDENCES

Low Bidder
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Low Bidder—Olaf Peterson, 3626 Rhoda Ave., Oakland.
(4362) 1st report April 25; 4th, May 16, 1934.

Sub-Contracts Awarded
RESIDENCE Cost, $8788
ALAMEDA, Alameda Co., Cal. Fernside District.
Two - story and basement frame and stucco residence.
Owner—Sanford Plummer, 1534 Third Ave., Oakland.
Architect—W. H. Toepke, 74 New Montgomery St., San Francisco.
Contractor—C. E. Burks, 4129 Randolph St., Oakland.
Masonry—J. Devoto, 360 Staler, Oakland.
Plumbing — Ambrose Bros. 206 Chumalis, Oakland.
Electric Wiring — Fred. Schmits, 428 Moss Ave., Oakland.
Mill Work—Atkinson Mill, 2985 Chapman St., Oakland.
Reinforcing Steel—Herrick Iron Wks, 18th and Campbell Sts., Oakland.
Ornamental Iron—James Landi.
Roofing—Saxby & Son, 4538 Fleming, Oakland.
Sheet Metal—California Furnace Co., 4801 E. 14th St., Oakland.
Painting—J. W. Vickery, 3049 Richmond, Oakland.
Plastering—A. Cardoni, 5244 Lawton Ave., Oakland.
Tile Work—Rigney Tile Co., 3012 Harrison St., Oakland.
Glass & Glazing—Western Door and Sash Co., 5th and Cypress, Oakland.
Lumber—Melrose Lbr. Co., 1201 46th Ave., Oakland.
Hardwood Floors—Rich Oak Floor Co., 160 6th St., Richmond.

Owner Taking Bids
RESIDENCE Cost, $——
SAN ANSELMO, Marin Co., Calif.
Two-story frame and stucco residence (7 rooms, 2 baths).
Owner—F. H. Allen, 165 Crescent Rd., San Anselmo.
Architect — N. W. Sexton, deYoung Bldg., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. Upper Piedmont Estates.
Two-story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.
Lumber—Sunset Lumber Co., 100 High St., Oakland.
Electric — Fred Schmidts, 430 Moss Ave., Oakland.
Sheet Metal—Charles Moll, 5371 Bond St., Oakland.
As previously reported, grading was awarded Worden & Forsythe, San Leandro.

Construction Postponed Temporarily.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence.
Owner—W. P. Byrnes.
Architect—Willis Polk Co. (Angus McSweeney, Architect), 277 Pine St., San Francisco.
Low Bidder—G. W. Williams Co., 315 Primrose Ave., Burlingame.

Contract Awarded
ALTERATIONS, ETC. Cost, $8231
SAN FRANCISCO. 828 Camino Del Mar.
Alterations and additions to frame residence (add one story, etc.)
Owner—A. J. Howell, % architect.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks and Irvine, 74 New Montgomery Street.

Contract Awarded.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. No. 1871 San Antonio Street.
One-story frame and stucco residence (4 rooms).
Owner—Mrs. Anna F. Dunn.
Architect—Gwynn Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 5208 Golden Gate Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner and Builder—H. Berger, 1713 Oregon St., Berkeley.
Plans by Owner.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
OAKLAND, Alameda Co., Cal. No. 3928 Thirty-ninth Avenue.
Two-story frame and stucco residence (6 rooms).
Owner and Builder — Sam Casalina, 2946 Octavia St., Oakland.
Plans by Owner.

Contract Awarded
ADDITION Cost, $2,000
PALO ALTO, Santa Clara Co., Calif. 1935 Emerson Street.
Frame addition to residence.
Owner—Guido V. Wara.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—W. P. Goodenough, 310 University Ave., Palo Alto.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
VALLEJO, Solano Co., Cal. Garden Tract.
One-story and basement frame and stucco residence (5 rooms).
Owner—Withheld.
Architect—Not Given.
Contractor—E. Teichelra, 331 Hampshire St., Vallejo.
Masonry—Ted Goodrum, 2200 El Dorado St., Vallejo.
Heating—C. W. Ellis, 902 Louisiana St., Vallejo.
Plumbing—D. J. Beasley, 412 Central Ave., Vallejo.
Electric Wiring—Walter Herrmann, 814 Benicia Rd., Vallejo.
Mill Work—Joseph Bros., 4024 Hopkins St., Oakland.
Terra Cotta—C. W. Ellis, 902 Louisiana St., Vallejo.
Roofing—Mastercraft Tile & Roofing Co., 1 20th St., Richmond.
Sheet Metal—C. W. Ellis.
Painting—R. C. Lagan, 837 Kentucky St., Vallejo.
Plastering—Harley Enlow, 132 B St., Vallejo.
Tile Work—Superior Tile & Products Co., 3743 Broadway, Oakland.
Glass and Glazing—Perry Lumber Co. Sononma and Maine Sts., Vallejo.
Lumber—Perry Lumber Co.
Hardware—C. L. Winchell Hardware Co., 324 Georgia St., Vallejo.
Grading and Excavation—Day's Work.
Hardwood Floors—Sam Southern, 320 Hampshire St., Vallejo.

Plans Being Completed.
ALTERATIONS Cost, $7000
PALO ALTO, Santa Clara Co., Cal. Stanford University Campus.
Alterations and additions to sorority house (new front, etc.)
Owner—Kappa Gamma Sorority.
Architect—J. K. Branner, 210 Post St., San Francisco.
Bids will be asked shortly.

Preparing Working Drawings
RESIDENCE Cost, $8500
BERKELEY, Alameda Co., Cal. Santa Barbara Road.
Two - story and basement frame and brick veneer residence (7 rooms, 2 baths) shake roof, gas hot air heating system, tile roof, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked in about three weeks.

Preparing Working Drawings.
RESIDENCE Cost, $10,000
WALNUT CREEK, Contra Costa Co.
Two-story and basement frame and brick veneer residence (9 rooms and 4 baths); tile roof, wood exterior, hot air oil heating system, oak plank and brick floors, steel sash, etc.; California Monterey Type.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked in about three weeks.

Contract Awarded
REPAIR RESIDENCE Cost, $2000
SAN FRANCISCO. 115 San Rafael Way
Repair fire damage to residence.
Owner — E. Currier, 115 San Rafael Way.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton Street.

Contract Awarded
ADDITION Cost, $——
BERKELEY, Alameda Co., Calif. San

Luis Road.
Addition to frame residence (add 3 rooms and bath, etc.)
Owner—W. G. Stewart.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—R. F. Parks, 1046 Peralta Ave., Berkeley.

Plans Being Completed
RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Calif.
One - story and basement frame and stucco residence (five rooms) tile roof, oil burner, hot air heating system, hardwood floors, tile bath.
Owner—R. S. Sayre.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in about 10 days.

Contract Awarded.
ALTER RESIDENCE Cost, $1500
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—D. Bohannon.
Architect—E. L. Norberg, 470 Occidental Ave., Burlingame.
Contractor — W. O. Nickolaides, 218 Peninsula Ave., San Mateo.

Contract Awarded.
ALTER RESIDENCE Cost, $6500
SAN FRANCISCO. No. 1735 Sutter Street.
Alterations to residence.
Owner — S. Hosaka, 1421 California St., San Francisco.
Architect—Not Given.
Contractor—S. Handa, 1773 Post St., San Francisco.

Plans Being Completed.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 5 baths).
Owner—Thomas Driscoll, 444 California St., San Francisco.
Architect—Louis P. Hobart, Crocker Bldg., San Francisco.
Whether bids will be asked is not determined at this time.

To Be Done By Day's Work
ALTER RESIDENCE Cost, $2500
PALO ALTO, Santa Clara Co., Calif. 193 Waverly Place.
Alterations to frame residence.
Owner—C. H. Bernard, Premises.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $6011
PIEDMONT, Alameda Co., Cal. Piedmont Pines, Ascot Drive.
Two-story and basement frame and stucco residence (7 rooms and 2 baths), French style.
Owner—Idora Syndicate.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Eugene S. Campomenosi, 6401 Broadway Terrace, Oakland.
Plastering—Clifton E. Davidson, 811 St., Marys Ave., Oakland.
Heating—California Furnace Co., 4801 E-14th St., Oakland.
Electric—S. Hansen, 4175 Mt. View Ave., Oakland.
Roofing — M. & L. Roofing Co., 9224 Foothill Blvd., Oakland.
Brick—E. F. Morgan, 1712 79th Ave., Oakland.
As previously reported, lumber awarded to Melrose Lumber & Supply Co., 1201 46th Ave., Oakland; hardwood floors to C. V. Graziano, 464 Cavour St., Oakland.

CONTRACT AWARDED
YOSEMITE VALLEY, Cal.—Incandescent Supply Co., 726 Mission St., San Francisco, at $279.17 awarded contract by Park Superintendent, Yosemite National Park, for miscellaneous lighting fixtures for residences in the Yosemite Valley.
Complete bids published May 3.

Sub-Bids Being Taken.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
One-story and basement frame and stucco residence (5 rooms) shake roof, gas heating system, hardwood floors, tiled baths, etc.
Owner and Builder—Marcus Peel, 10 Oakvale Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Additional Sub-Contracts Awarded
RESIDENCE Cost, $4500
ALAMEDA, Alameda Co., Cal. Yale and Fernside Avenues.
One - story and basement frame and stucco residence (six rooms).
Owner—W. E. Thompson, 3004 Encinal Ave., Alameda.
Architect—Not Given.
Contractor—Harry C. Knight, 315 15th St., Oakland.
Painting—L. B. Roden, 6 2 1 Central Ave., Alameda.
Plastering—Arthur Moore, 526 57th St., Oakland.
Flooring—Marshall Hardwood Floor Co., 2151 Central Ave., Alameda.
Furnace—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Other awards reported April 25.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Creston Road.
One - story frame residence (3 rooms) California Rancho style.
Owner—William Laughlin.
Architect—Not Given.
Contractor—Pennell & Coats, 791 Hillcroft Circle, Berkeley.
Floors—Walter Kinne, 1118 Santa Fe, Albany.
Mill Work—Tilden Lumber Co., Foot of University Ave., Berkeley.
Steel Sash—Gleeson Steel Prod., 63rd and Doyle, Emeryville.
Tile—W. D. Meyer, 1721 Minturn St., Alameda.
Roofing—W. L. Rideout, 641 Central Ave., Alameda.

Contract Awarded.
ALTER RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. Pasatiempo Estate.
Alterations to frame residence (add two-story living room, servants' quarters, new bath, etc.)
Owner—Miss S. M. Field.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Palmer & Balsinger, 254 Branciforte Ave., Santa Cruz.

Plans Completed.
RESIDENCE Cost, $3500
MONTE RIO, Sonoma Co., Cal.
One-story wood frame residence (5 rooms); composition shingle roof, pine floors, linoleum floors in bath.
Owner—Withheld.
Plans by Ray Keefer, 770 Wesley St., Oakland.
Bids will be asked when financing arrangements have been completed.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
ALAMEDA, Alameda Co., Cal. Southwood Drive.
One-story and basement frame and stucco residence (5 rooms) English type.
Owner—William E. McCuithy.
Architect—Not Given.
Contractor—Cliff Hansen, 1500 Santa Clara Ave., Alameda.
Floors—Johnson Hardwood Floor Co., 2215 McGee Ave., Berkeley.
Fixtures—Maxwell Hardware Co., 1320 Washington St., Oakland.
Hardware — Marcus Cut-Rate Hardware & General Merchandise Co., 7th and Washington, Oakland.
Roofing—W. L. Rideout, 6411 Central Ave., Alameda.

Contract Awarded.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. No. 1871 San Antonio St.
One-story frame and stucco residence (4 rooms).
Owner—Mrs. Anna F. Dunn.
Architect—Gwynn Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
SAN FRANCISCO. SW Athens and Russia Streets.
Two one-story and basement frame and stucco residences.
Owner and Builder—R. A. McAfee, 125 Cervantes Blvd., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $——
SAN FRANCISCO. S Surrey 98 W Lippard St.
One-story and basement frame and stucco residence.
Owner—Mrs. A. Godin, 586 Monterey Blvd., San Francisco.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 171 Brookside Ave.
Two-story and basement frame and stucco residence (6 rooms).
Owner and Builder—Whalen & Huffschmidt, 461 Tee Drive, Oakland.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Millwork — Sunset Lumber Co., 400 High St, Oakland.
Lumber — Sunset Lumber Co., 400 High St., Oakland.
Plastering—Farrer Bros., 2406 Ransome St., Oakland.
Electric — Spott Electrical Co., 560 19th St., Oakland.
Fixtures — Voorhees - Maschio, 4131 Broadway.
Plumbing—A. Rowse, 978 Apgar St., Oakland.
Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Brick—Chas. Hummer, 2321 34th Ave. Oakland.

To Ask Bids May 28.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Calif. Las Haciendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.; (8 rooms and 4 baths).
Owner—E. L. Bundy.
Architect — Douglas Stone, 110 Sutter St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $7405
BERKELEY, Alameda Co., Cal. No. 2625 Hearst Avenue.
Alterations and additions to fraternity house.
Owner—California Gamma Phi Kappa Psi House Assn., Premises.
Architect—Harris C. Allen, 557 Market St., San Francisco.
Contractor—Harold L. Paige, 565 Oak Grove Ave., Oakland.

Contract Awarded
RESIDENCE Cost, $4000
SAN FRANCISCO. N. 26th St. 53 ft. E. Douglas.

One - story and basement frame and stucco residence.
Owner—Olga Peterson, 79 Mt. Vernon Avenue.
Plans by C. M. Baker, 155 New Montgomery Street.
Contractor—G. L. Peterson, 79 Mount Vernon Ave.

15— SCHOOLS

Construction Under Way
SCHOOL Cost, $10,000
GRASS VALLEY, Nevada Co., Calif.
One-story Class C reinforced concrete shop building for school (3 rooms)
Owner—Grass Valley High School District.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Contractor—Paul Jenks, Rt. 2, Grass Valley.

PLANS COMPLETED
PASADENA, Cal.—Architects Marston & Maybury, 25 S. Euclid Avenue, Pasadena, have completed plans for reconstructing, strengthening and rehabilitating the Andrew Jackson elementary school for the Pasadena board of education. Work will consist of reinforced concrete work, gunite work on the exterior and interior walls, etc. The plans are being checked by the state division of architecture and bids will probably be called for within the next few weeks. Cost, $100,000.

PREPARING PLANS
BEVERLY HILLS, Los Angeles Co. Calif.—Architects Edward C. Taylor and Ellis W. Taylor, 803 W. Third St., Los Angeles, have started the preparation of plans for a new building to be erected on the Horace Mann school site in Beverly Hills, for the Beverly Hills board of education. It will be a one-story, reinforced concrete structure. Taylor & Taylor will also handle the structural engineering on the project.

Plans Being Figured — Bids Close June 12, 11 A. M.
ADDITION Cost, $400,000
LOS ANGELES, Cal. Campus of the University of California.
Three-story and basement steel frame concrete and brick wing addition to the chemistry building (concrete floors and stairs, brick exterior, terra cotta, steel windows, metal terra cotta tile roof, ornamental lathing and furring, dampproofing, marble tile, hollow metal doors, slate blackboards, ventilating, high and low pressure steam heating system, piping, etc.
Ower — University of California at Los Angeles.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Structural Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Mecchanical Engineer—Hunter & Hudson, 41 Sutter St., San Francisco.
Bids will be opened by the Regents of the University of California in Los Angeles.

BIDS WANTED
ALAMEDA, Alameda Co., Cal.—Until June 5, 8 P. M., bids will be received by Wm. G. Paden, Secretary, Alameda Board of Education, Administration Bldg., Oak St. and Alameda Ave., Alameda, for furnishing and delivering school furniture, equipment and supplies for the Alameda schools. Specifications and proposal forms are available from above office.

Plans Being Completed.
REPAIR SCHOOL Cost, $48,500
SAN FRANCISCO. Excelsior Ave. at London Street.
Repairs and reconstruction of Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Bids will be asked in about two weeks.

Bids Wanted—To Close June 6, 2 P. M.
SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two - story brick elementary school building (6 classrooms), tile roof, steam heating system, wood floors.
Owner—Woodbridge Elementary School Dsitrict.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Plans and specifications available from the office of the architect upon deposit of $15.00.
On previous bid opening lowest bid was submitted by Azevedo & Sarmento, 920 O Street, Sacramento, at $48,000.

Bids Wanted—To Close June 8, 7:30 P. M.
ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
Additions to concrete elementary school building (add three classrooms and lunch room) and additions to concrete, brick and tile elemetary school (add two classrooms and lunch rooms).
Owner — Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.

Bids Wanted — To Close June 8, 7:30 P. M.
SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
One-story brick elementary school building (9 classrooms and lunch room).
Owner — Roseville Elementary School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.

PLANNED
SANTA CRUZ, Cal.—Laguna School District is considering plans for improvements to school in the District to be included in the school budget for the coming school year. Proposals suggested follow:
Construct wing on the school to house library, study hall and cafeteria
Remodel Bay View School, add auditorium, etc.
Repaint and refinish Trident School, new showers, linotype machine, bank equipment, refinish tennis courts, etc.

Bids Wanted — To Close June 13, 2:30 P. M.
RECONST. SCHOOL Cost, $50,000
SAN FRANCISCO. Seventh Avenue between Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Plans and specifications available from C. H. Sawyer, Bureau of Architecture, Room 265, City Hall, upon deposit of $25.
A penalty of $50 per day will be assessed for each day work is not completed after specified time.

Plans Being Completed.
ADDITION Cost, $——
SOQUEL, Santa Cruz Co., Cal.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.
Bids will be asked about June 1.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and specifications (architectural and engineering) for reconstruction of the Russell school, 1263 E. Manchester Blvd., as a one-story frame building and addition of one-story frame units. Plans are being prepared by the architectural division of the board, A. S. Nibecker, Jr., architect, and J. E. Byers, structural engineer, 1445 S. San Pedro St. Cost, $90,420.

FIRE LOSS
LAS VEGAS, Nevada—Fire destroyed the Las Vegas Union High School building. Damage is estimated at $100,000 which is covered by insurance

Plans Being Figured—Bids Close May 28.
ADDITION Cost, $4000
MILL VALLEY, Marin Co., Cal.
One-story frame and stucco addition to Tamalpais Park School (add 1 classroom and 1 cloakroom).
Owner—Tamalpais Park School Dist.
Architect—Walter Falch, Hearst Bldg. San Francisco.
Ben E. Nelson, 119 Sunnyside Ave., Mill Valley, is figuring the plans and desires sub-bids on all portions of the work.

Preliminary Plans Completed.
SCHOOL IMP. Cost, $100,000
PALO ALTO, Santa Clara Co., Cal.
Reconstruction and improvements to Palo Alto High School and Mayfield School.
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Bonds in the amount of $110,000 were voted to finance construction.

Preliminary Plans Completed.
HIGH SCHOOL Cost, $15,000
PALO ALTO, Santa Clara Co., Cal.
Construct new Junior High School.
Owner—Palo Alto School District.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.

BOND ELECTION
CLARKSBURG, Yolo Co., Cal.—An election will be held on June 12 by the Clarksburg High School District at which time bonds in the amount of $9000 will be voted to finance construction of a one-story frame shop building with concrete floors, flat roof, etc., at the Clarksburg High School. Harry J. Devine, California State Life Bldg., Sacramento, Architect.

Sub-Contracts Awarded
MANUAL ARTS BLDG. Cost, $10,000
DALY CITY, San Mateo Co., Calif.
One - story frame and stucco manual arts building for Woodrow Wilson grammar school (composition roof wood floors, etc.; 2 classrooms).
Owner—Daly City Grammar School District, W. J. Sweeney, Clerk.
Architect—Albert Roller, Crocker 1st Nat'l Bank Bldg., San Francisco.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.
Reinforcing Steel — Pacific Steel Co., 20th and Illinois Sts., San Francisco.
Lumber—Roth-Maier, 2800 Third St., San Francisco.
Mill Work—National Mill & Lumber Co., 230 California St., San Francisco.
Electric—H. F. Haverkamp, 1127 Folsom St., San Francisco.
Roofing—C. L. Frost, 2286 El Camino Real, Palo Alto.
Plastering—M. J. King, 2343 Bay St., San Francisco.

Preliminary Plans Approved.
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo County, Cal.
One-story reinforced concrete high school annex (six classrooms, and assembly hall).
Owner — South San Francisco High School District.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame.
State Division of Architecture has approved plans and working drawings are under way and will be completed in about thirty days.

Contract Awarded.
REPAIR SCHOOL
Cont. Price, $155,455
SAN FRANCISCO. Geary and Scott Streets.
Repair Girls' High School (interior bracing, replacing masonry, etc.)
Owner—City and County of San Francisco.
Plas by Bureau of Architecture (C. Sawyer, Architect), City Hall.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—C. L. Wold, 4416 Fulton St., San Francisco.
Following sub-contracts submitted with the contractor's general bid
Gunite — Cement Gun Constr. Co., 85 Second St., at $15,620.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., at $5424.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., at $27,710.
Granite Work—McGilvray Granite Co. 3 Potrero Ave., at $2598.
Brick Work an Terra Cotta—White & Gloor, Monadnock Bldg., at $38,870
Wrecking and Scaffolding—White & Gloor, Monadnock Bldg., at $10,890
Architectural Terra Cotta—N. Clark & Sons, 116 Natoma St., at $10,890.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., at $1359.
Lathing and Plastering — James E. Smith, 271 Minna St., at $5500.
Miscellaneous Iron — Monarch Iron Works, 262 7th St., at $1785.
Roofing—Alta Roofing Co., 467 O'Farrell St., at $767.
Painting and Decorating—Lee Dixon, 18 Eureka St., at $3479.
Plumbing—Scott Co., 243 Minna St., at $764.
Heating and Ventilating—M. J. Reeves Co., 959 Natoma St., at $2268.
Blackboards—Fred E. Turner, 557 Market St., at $425.
Electric—Strom & Smith, 1077 Valencia St., at $1876.
Mill Work—Anderson Bros., Quint & Custer Sts., per unit price per ft.

Contracts Awarded.
COLLEGE BLDG. Cost, $210,000
PULLMAN, Washington. State College Campus.
Four-story reinforced concrete chemistry building (45 classrooms, laboratories, offices, etc.) brick and tile exterior walls, tile interior partitions, etc.
Owner—State of Washington.
Architect — Stanley A. Smith, State College, Pullman.
Contractor—A. F. Mowat, McDowall Bldg., Seattle, at $165,650.
Plumbing—H. D. Powell Plumbing & Heating Co., Pullman, $10,463.
Heating and Ventilating—H. D. Powell Pullmant, $19,456.
Electric Motors—Allis-Chalmers, Spokane, $449.
Low bid on electrical work was submitted by J. J. Agutter, Seattle, at $5117.

PLANNED
WOODLAND, Yolo Co., Cal.—Petitions are to be circulated in Broderick, West Sacramento, and Bryte seeking formation of the Roosevelt High School District. If sufficient signers are obtained an election will be held to vote bonds to finance construction of a new high school in Woodland.

BOND ELECTION
ANAHEIM, Orange Co., Cal.—Anaheim Union High School District affirmed a $275,000 bond issue May 15 to finance the construction of a permanent high school building to replace temparary quarters now in use. Preliminary plans contemplate a structure to contain an auditorium with seating accommodations for 1600 persons, library, study hall, administration offices and 16 classrooms. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects.

BOND ELECTION
PLACENTIA, Orange Co., Cal.—Placentia Union School District, made up of the Orangethorpe, Yorba, Richfield and Placentia grammar school districts, will hold an election June 15 at which time it is proposed to vote bonds in the sum of $200,000 for purchasing land and buildings and equipping the proposed new Valencia high school in Palcentia. The program, providing $150,000 for buildings and $15,000 for equipment, contemplates wood frame and stucco construction. T. C. Kistner & Co., 814 Architects' Bldg., Los Angeles, architects.

Construction Postponed Indefinitely.
SCHOOL Cost, $20,000
COTATI, Sonoma Co., Cal.
One-story frame and stucco school building (five classrooms) shingle roof ,etc.
Owner—Cotati Junior High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

SURVEY COMPLETED
CROCKETT, Contra Costa Co., Cal.—Engineers H. D. Dewell and A. W. Earl, 55 New Montgomery St., San Francisco, have completed the survey of the schools in Crockett and have filed their report with the District Superintendent, Dr. Alfred Christensen, Crockett, who has the report under consideration. Plans foor the improvements will be made by Engineers Dewell and Earl when report on necessary improvements has been discussed by the School Board.

Bids Wanted—To Close May 31, 7:30 P. M.
ADDITION Cost, $45,000
BAKERSFIELD, Kern Co., Cal.
Additions to Longfellow and Jefferson Schools.
Owner—Bakersfield City School Dist.
Architect—Chas. Biggar, Haberfelde Bldg., Bakersfield.
Plans and specifications may be obtained from the architect upon deposit of $20.

Final Plans Approved.
RECONST. SCHOOL Cost, $46,000
SAN FRANCISCO. Seventh Avenue between Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Final plans have been approved by the State Division of Architecture and bids will be asked shortly.

Bids Wanted—To Close May 31, 7:30 P. M.
ADDITION Cost, $15,000
BAKERSFIELD, Kern Co., Cal.
Additions to Roosevelt School.
Owner—Bakersfield City School Dist.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
Plans and specifications may be obtained from the architect upon deposit of $10.

Bids Wanted—To Close May 31, 2 P. M.
ADDITION Cost, $——
GILROY, Santa Clara Co., Cal.
Frame structure around present boiler for high school.
Owner — Gilroy Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans and specifications available from the High School in Gilroy or from the architect.
Certified check in the amount of 5% of amount bid must accompany bid.

BONDS DEFEATED
ROSEVILLE, Placer Co., Cal.—Dry Creek Joint Elementary School Dist. defeated bonds in the amount of $7500 May 15. Funds were to have financed construction of a new school building for the district in counties of Placer and Sacramento.

Preliminary Plans Completed.
SCHOOL Cost, $12,000
MARIPOSA, Mariposa Co., Cal.
One-story frame and stucco elementary school (3 classrooms).
Owner—Mariposa Elementary School District.
Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.
Preliminary plans have been forwarded to owner for approval.

PLANNED
LAS VEGAS, Nevada. — Las Vegas board of education, O. K. Adcock, president, is discussing plans this week for the immediate reconstruction of the Las Vegas grammar school building which was destroyed by fire May 14. Original cost of the structure was $143,000. Mr. Adcock stated that an architect would probably be retained within a few days. 15

FIRE LOSS
SALINAS, Monterey Co., Cal.—Fire destroyed a wing at the Salinas High School May 16. Damage is estimated at $30,000. The wing destroyed housed the wood working, auto mechanics and machine shop departments.

Contract Awarded
REPAIR SCHOOL Cont. Price, $27,648
SAN FRANCISCO. 750 Eddy Street.
Repair and reconstruction of Adams Elementary School.
Owner—City and County of San Francisco.
Engineer—E. L. Cope, 111 Sutter St.
Contractor—DeLuca & Son, 1745 Filbert Street.
Following sub - contracts submitted with the bid of DeLuca & Son:
Reinforcing Steel — W. S. Wetenhall, 17th and Wisconsin Sts., $1,840.10.
Gunite—DeLuca & Son, 1745 Filbert St., $1,085.00.
Structural Steel—California Steel Prod. Co., 490 Bay St., $4,600.00.
Brick Work—Paul Messner, 1386 Palou St., $5,597.00.
Plastering—James F. Smith, 271 Minna St., $2,215.00.
Blackboards—F. E. Turner, 557 Market St., $765.00.
Electric — American Electric Co., 465 Bryant St., $385.00.
Roofing—Alta Roofing Co., 467 O'Farrell St., $96.00.
Sheet Metal—John J. Delucchi, 1526 Powell St., $124.50.
Mill Work—Acme Mfg. Co., 1855 San Bruno Ave., $175.00.

BONDS VOTED
TAHOE CITY, Placer Co., Calif.—Lake Tahoe School Dist. voted bonds in the amount of $15,000 May 16. Funds

are to finance construction of a new grammar school in Tahoe City. *

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cont. Price, $3149
Alterations to Hallidie Building.
SAN FRANCISCO. No. 130 Sutter St.
Owner—Regents of the University of California.
Plans by Engineering Dept. of Owner.
Contractor—D. L. Bienfield, 666 Mission St., San Francisco.

Planned.
STORE Cost, $——
PALO ALTO, Santa Clara Co., Cal. University Ave. The Circle (50x52x 100 feet).
One-story reinforced concrete store building.
Owner—Rothschild Bros., 41 Sutter St., San Francisco.
Architect—Not Selected.
Project will go ahead when leases are signed.

Contract Awarded.
ALTER STORE Cost, $——
OAKLAND, Alameda Co., Cal. Fourteenth and Clay Streets.
Alterations to three-story store and loft building.
Owner—Not Given.
Architect—Not Selected.
Lessee—Berman's Furniture Co., 15th and Clay Sts., Oakland.
Contractor—Henry Brown, 1387 E-23rd St., Oakland.

Contract Awarded
STORE Cost, $7000
BERKELEY, Alameda Co., Calif. 1841 Solano Avenue.
One-story frame and stucco store bldg.
Owner—F. C. Turner, 2710 Durant St., Berkeley.
Architect — W. Steilberg, 1 Orchard Lane Berkeley.
Contractor—H. K. Henderson, 20 Avis Road, Berkeley.

Additional Sub-Contracts Awarded
THEATRE Cost, $30 000
GRASS VALLEY, Nevada Co., Calif. West Main Street.
One-story steel frame theatre building (steel girders, marque) to seat 508.
Owner—Montez Theatre Company.
Architect — William Mooser, Monadnock Bldg., San Francisco.
Mgr. of Const.—E. T. Leiter & Son, 811 37th St., Oakland.
Tile—Superior Tile Co., 3743 Broadway, Oakland.
Electric Sign—Ace Sheet Metal Works, Grass Valley.
Heating—Alpha Hardware Co., Grass Valley.
As previously reported, plumbing awarded to Alpha Hardware & Supply Co., Nevada City; sheet metal to G. ONeill, Nevada City; electric work to Service Electric Co., Grass Valley; structural steel to Herrick Iron Works, 18th and Campbell Sts., Oakland.

Sub-Contracts Awarded.
ALTERATIONS Cost, $10,850
SAN FRANCISCO. No. 742 Market St.
Alterations to store building.
Owner—Spiro Co., Market and Beale St., San Francisco.
Plans by N. B. Mears, 60 Rausch St., San Francisco.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco.
Plumbing—J. Irvin.
Marble Glass—MacGruer & Co., 266 Tehama St., San Francisco.
As previously reported, electric awarded to W. H. Kirsten, 55 McAllister Street.

Owner Taking New Bids
STORE Cost, $5500
BERKELEY, Alameda Co., Cal. Shattuck Ave. and Virginia Street.
One-story frame and stucco store bldg. (2 stores; 50x80 feet) composition roofing, concrete floors, reinforced concrete front and sidewalls.
Owner—J. Grigsby, 2868 Le Conte Ave. Berkeley.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
(4070) 1st report March 22; 2nd, April 21, 1934.

Plans Being Figured—Bids Close June 4th.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Sts.
One-story reinforced concrete bank building, composition roofing, steam heat, etc.)
Owner — —Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

To Take Segregated Bids.
REMODEL BANK Cost, $10,000
WOODLAND, Yolo Co., Cal. Main and College Streets.
Remodel present bank building (work includes new front, adding mazzanine floor, new lighting fixtures, etc.)
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.
Architect — L. J. Hendy, % Capital Co., 625 Market St., San Francisco
Segregated bids will be taken May 23rd in Woodland.

Plans Being Figured—Bids Close May 28, 12 Noon.
ALTER BLDG. Cost, $——
SAN FRANCISCO. 300 Front Street.
Alterations to building.
Owner—George Hermann, 300 Front Street.
Plans by Edgar P. Ames, 2177 Pacific Avenue.
Clinton Stephenson Const. Co., 550 Montgomery St., is figuring the plans and desire sub-bids on all portions of the work.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. Post and Kearny Streets.
Alterations to clothing store (partitions for gymnasium).
Owner—Mr. Turner.
Architect—Not Given.
Contractor—Fred W. Schell, 1651 24th Ave., San Francisco.

Contract Awarded
ALTER BLDG. Cost, $3000
STOCKTON, San Joaquin Co., Calif. 142 South Center Street.
Remodel present building.
Owner—Guiseppi and Teresa Franzio.
Architect—Not Given.
Contractor—J. A. Allen, 28 South Sutter St., Stockton.

Contract Awarded
REMODEL BLDG. Cost, $4000
STOCKTON, San Joaquin Co., Calif. 148 N. California Street.
Remodel present building.
Owner—Annie M. Raggio.
Architect—Not Given.
Contractor—Crescent Show Case Co., San Joaquin and Taylor Streets, Stockton.

Sub-Contracts Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. 70 Fourth Street.
Alterations to restaurant.
Owner—Henry's Fourth Street Cafeteria, 70 Fourth Street.
Architect—Not Given.
Contractor—V. L. Burt, 279 6th Ave.
Plumbing—Boulevard Jobbing Co., 236 Clement Street.
Mill Work—Balboa Mill Co., 2800 3rd Street.
Electric Wiring—General Repair Elec. Co., 1051 Mission St.
Sheet Metal—Reliable Sheet Metal Works, 472 5th St.
Terrazzo Floors—San Francisco Terrazzo Company.
Tile Work—Lamey Bros. Tile Co., 425 Van Ness Ave. South.
Glass and Glazing — Progressive Tile Co., 1216 Powell St.
Lumber—J. H. Kruse Lbr. Co., Treat Ave. and 23rd St.
Hardware—Record Hardware Co., 1,000 Columbus Ave.

BIDS OPENED
LOS ANGELES, Cal.—Pacific Mfg. Co., Santa Clara, at $3946 submitted low bid to Department of Public Works, Sacramento, for sectional partitions for the Motor Vehicle Office in Los Angeles. Following bids received

Pacific Mfg. Co., Santa Clara	$3946
Sweet Cabinet Co., Los Angeles	4796
Peterson Showcase & Fixture Co., Los Angeles	5040
Commercial Fixture Co., L. A.	5087
Weber Ssowcase & Fixture Co. Los Angeles	5727
Cowan Showcase & Fixture Co., Los Angeles	6834

Bids held under advisement.

CONTRACT AWARDED
SACRAMENTO, Cal. — Braas & Kuhn, 1917 Bryant St., San Francisco, at $1648 awarded contract by Department of Public Works, Sacramento, for sectional partitions for the State Office Building, Sacramento.
Complete bids published May 9.

18—WHARVES & DOCKS

CONTRACT AWARDED
SAN JOAQUIN COUNTY, Cal.—C. A. Lauritzen, 300 E Street, Antioch, at $2,498.85 awarded contract by the County Supervisors for removing the old landings and constructing new landings at the site of the Venice Island Ferry across Little Connection Slough between Empire Island and Venice Island in San Joaquin County.
Following bids received:
(1) lump sum for work complete;
(2) add for additional treated piles;
(3) deduct for omission of treated piles.

C. A. Lauritzen, Antioch	(1)	$2,498.85
per lin. ft.	(2)	.60
per lin. ft.	(3)	.50
J. E. Fitzsimmons, Lodi	(1)	$2,687.25
	(2)	.65
	(3)	.65
P. Sinnock, Stockton	(1)	$2,940.00
	(2)	.70
	(3)	.70
Bundesen & Lauritzen, Pittsburg	(1)	$2,945.00
	(2)	.90
	(3)	.60

19—MISC. CONSTRUCTION

CONTRACTS AWARDED
SAN FRANCISCO—Barrett & Hilp, 918 Harrison St., awarded the following sub-contracts in connection with the removal and reconstruction of military buildings in the Presidio to make way for approach roads for the Golden Gate Bridge. Estimated cost, $3000.
House Moving—D. J. & T. Sullivan, 1942 Folsom St.
Plumbing—Dowd & Welch, 3558 16th Street.

CONTRACT AWARDED
SOQUEL, Santa Cruz Co., Cal.—H. R. Lord, 652 Soquel Ave., Santa Cruz,

awarded contract by Soquel Union Grammar School District for razing the present old school building in Soquel.

CONSTRUCTION STARTED

SANTA BARBARA, Cal.—O. J. Kenyon, 21 E. De la Guera St., Santa Barbara, has started work on erection of an addition to the Santa Barbara Museum of Naturl History, which will house the bid exhibit. C. M. Winslow, 1410 Chppalpa St., Santa Barbara, architect.

HEATING CONTRACT AWARDED

MARE ISLAND, Cal.—F. W. Snook, 596 Clay St., San Francisco, awarded heating contract at $3000 by the Permutit Co., 442 Fourth Ave., New York, for the continuous blow-down water softening system and chemical feeding system at the Navy Yard, Mare Island. Spec. No. 7610.

ELECTION

SAN BENITO COUNTY, Cal.—San Benito Board of Supervisors have set Tuesday, August 28, as the date of a special election on a proposal to create The Coast Municipal Utility District. The election was called on the petition of local residents.

BIDS OPENED

PAPAGO Indian Reservation, Ariz. —White & Stein, P. O. Box 1055, Casa Grande, Ariz., at $13,603 submitted the only bid to the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, May 18, for constructing ten miles of transmission line for the Chiu Chui Project Pumping Plants, Papago Indian Reservation Arizona.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —A. Soda & Son, 1077 65th St., Oakland, at $2545 awarded contract by War Department for construction of an extension of underground telephone cable system at Hamilton Field.

May 22, 1934

BIDS OPENED

OAKLAND, Calif.—California Steel Products Co., 490 Bay St., San Francisco, at $2,450 submitted low bid to City of Oakland Port Commission for strengthening supporting structure of elevated water tank at Outer Harbor Terminal, Oakland.

Following bids received:

California Steel Products Co., San Francisco	$2,459
Chicago Bridge & Iron Works, San Francisco	2,960
Boiler, Tank & Pipe Co., Oakland	3,122
Independent Iron Works, Oakland	3,300
Bids held under advisement.	*

ADDITIONAL PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the U. S. Veterans' Bureau on May 29 for the construction of an incinerator at the Veterans Administration, Washington, D. C.:

Myers Bros., 3407 San Fernando St., Los Angeles.

J. L. Thorpe, Inc., 94 E. Second St., Los Angeles.

Anchor Blow Pipe Co., 7430 Campton Ave., Los Angeles.

Morse Boulger Destructor Co., 202 E. 44th St., New York City.

New England Masons Contractors, 1454 Cloverdale Ave., Los Angeles.

Emsco Refractories Co., 4501 S. Boyle Ave., Vernon.

Gene B. Foster, 1722 S. Sycamore Ave., Los Angeles.

FRANCHISE GRANTED

SONOMA COUNTY, Cal.—The Sonoma County Board of Supervisors has granted a franchise for construction and maintenance of a telephone and telegraph system in the vicinity of Daniels and Junction School Districts, Healdsburg Township, to John E. Cooper, Healdsburg.

PLANNED

PACIFIC GROVE, Monterey Co., Cal.—City Attorney Argull Campbell has advised the city council to appoint a committee to obtain data for the construction of the municipal bathhouse on the McDougall property in Pacific Grove for which bonds in the amount of $60,000 were recently voted. Bonds will be sold shortly.

PREPARING PLANS

LAKE ARROWHEAD, Los Angeles Co., Cal.—Architects Morgan, Walls & Clements, 1135 Van Nuys Bldg., Los Angeles, are preparing plans for remodeling several buildings at Lake Arrowhead for the Arrowhead Lake Corp. Buildings to be improved are the lodge on the south shore, the drug store and the market in the village and the north short lodge. Plans are also on the boards in the office of Morgan, Walls & Clements for a number of private dwellings to be erected at Lake Arrowhead.

PLANS PREPARED

CORONADO, San Diego Co., Cal.—Architect D. D. McMurray, 480 California Terrace, Pasadena, has prepared plans for a swimming pool, bath houses and cabanas to be built at Coronado for the Hotel del Coronado. Reinforced concrete work, tile work, bath houses will be frame construction. Owners will build.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Calif. — Henry Cowell Lime & Cement Co., 81 Franklin St., Oakland, at $1.80 per bbl., total $13,500, awarded contract by the East Bay Municipal Utility District, for furnishing 7,500 bbls. more or less, of Portland Cement under Proposal No. 522, f.o.b. San Pablo.

Complete bids published May 11.

CONTRACT AWARDED

SAN FRANCISCO. — J. R. Hanify Co., 24 Market St., at $0.624 per tie, at bidder's shipping point, and $0.918 per tie at destination, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing 20,000 6x8x8-In. No. 1 California Split Redwood Ties for the Hetch Hetchy Project.

CONTRACTS AWARDED

LOS ANGELES, Calif. — Following contracts awarded by the Board of Directors of the Metropolitan Water District May 18 for furnishing lumber:

BID NO. 23462—Daugherty Lumber Co., 125,000 bd. ft., $2,523.75; Chas. R. McCormick Lumber Co., Los Angeles, 500,000 bd. ft., $8,306.50.

BID NO. 23299—Daugherty Lumber Co., 1,250,000 bd. ft., $11,147.50; Chas. R. McCormick Lumber Co., 1,000,000 bd. ft., $16,545.63; Thompson Lumber & Piling Co., 500,000 bd. ft., $9,850.

BID NO. 23300—Daugherty Lumber Co., 250,000 bd. ft., $1,837.50; Chas. R. McCormick Lumber Co., 750,000 bd. ft. at $12,024.88.

BIDS OPENED

RENO, Nevada—Following bids received by Division of Supply, Treasury Department, for metal shelving for the Reno, Nevada, Post Office. Proposal 6271

Penn Metal Co., $1366.58; Universal Fixture Corp., $1587.34; Interior Steel Equipment Co., $1599.86; Commercial Office Furniture Co., $1619.27; Metal Office Furnitnure Co., $1626.04; Globe-Wernicke Co., $1654; Worley & Co., $1672.47; De Luxe Metal Furniture Co., $1676.10; Lyon Metal Products, $1678.72 Berger Mfg. Co., $1678.72; Fred Medart Mfg. Co., $1678.72; Electric Service Supplies, $1678.72; International Engrg. Works, $1679; Jamestown Metal Equip. Co., $1710.72; General Fireproofing Co., $1926.48.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by Treasury Dept., Division of Supply for metal shelving for the U. S. Post Office, Sacramento. Proposal No. 6179:

Worley & Co., $664.81; De Luxe Metal Furniture Co., $664.81; Interior Steel Equipment Co., $664.81; Globe-Wernicke Co., $665.64 Lyon Metal Products $672.21; Fred Medart Mfg. Co., $672.21 Metal Office Furniture Co., $672.21; Electric Supplies, $672.21; Jamestown Metal Equip Co., $672.21; Penn Metal Co., $672.21; Commercial Office Furniture Co., $699.93; International Engrg. Works, $681.15; Berger Mfg. Co., $672.21.

AWARD RESCINDED

SAN FRANCISCO—Award of a contract to the Alpha Stores, Ltd., Nevada City, at $75,010 for the purchase of miscellaneous equipment of the Hetch Hetchy Project (Sale No. 105) has been rescinded. Bids will be asked on individual items.

BIDS OPENED

LAS VEGAS, Nevada — Following bids received by Treasury Department Supply Division for metal shelving for the U. S. Post Office, Las Vegas, Nevada. Proposal No. 5847:

Metal Office Furniture Co., $20.17; International Engrg. Works, $51.57; Globe-Wernicke Co., $52.77; Interior Steel Equipment Co., $59.11; Universal Fixture Corp., $59.58; Commercial Office Furniture Co., $60.09; Jamestown Metal Equipment Co., $60.48 Berger Mfg. Co., $60.50 De Luxe Metal Furniture Co., $60.50; Corry-Jamestown Mfg. Co., $60.50; Penn Metal Co., $60.50; Lyon Metal Products, $60.50; Fred Medart Mfg. Co., $60.50; Art Metal Constr. Co., $60.94; Worley & Co., $60.50.

BIDS OPENED

SACRAMENTO, Cal.—Del Paso Rock Products Co., H St. Road, Sacramento, at $3.48 net, and A. Teichert and Son, 1846 37th St., Sacramento, at $3.60, less 10% if paid by the 10th of the following month, submitted the only bids to the Sacramento City Council for furnishing 1,000 tons of asphaltic concrete mixture for the Street Maintenance Division.

Bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Consolidated Lbr. Co., Jefferson Blvd. and Broadway, Los Angeles, at $1,988.26 submitted low bid to the Los Angeles County Board of Supervisors May 14, for furnishing about 48 M. Oregon pine railraod ties for use on San Gabriel river below the Pacific Electric Railway, Whittier branch. A list of the material required follows:

(1) 42.5 MBM 6x8 8-ft. Oregon pine;
(2) 5.5 MBM 7x8 varying in length from 8 ft. 6 in. to 15 ft.

The bids were:

Consolidated Lumber Co., (1) $41.25; (2) $42.75; total, $1988.26.

Chas. R. McCormick Lumber Co., (1) $42; (2) 53.50; total $2024.25.

J. H. Baxter Lumber Co., (1) $43.75; (2) $44 75; total $2105.50.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublio agencies.

KERN COUNTY

WASCO, Cal.—Until May 28, 8 P. M., bids will be received by the Wasco Union High School District for furnishing one Indiana School Bus chassis, model 14B, with 44-passenger body and equipment. Bids will be received for chassis and body separately or for chassis and body complete.

Specifications obtainable from above office. R. C. Annin, Clerk.

DELANO, Kern Co., Cal. — Until June 12, 8 P. M., bids will be received by the Board of Trustees of the Delano Joint Union High School for one bus chassis of sufficient capacity to carry 50-passenger body with load. One 50-passenger bus body of design complying with California State law. Bids may be submitted on the chassis and body either separately or as a unit. Bidders are requested to appraise Packard sedan at garage for trade-in. value.

Specifications obtainbale from the High School Office. Frank Panero, Clerk.

CANAL ZONE

PANAMA CANAL ZONE — Until May 31, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Sched. No. 2964. for furnishing miscellaneous supplies and materials including Steel; Iron or Steel Pipe; Boiler Tubes; Drill casing; Glass; Coil chain; Steam gauges; Band saws; Welding rods; Electrode holders; Goggles; Rubber Tape; Red primer; Paint and Varnish remover; Titanium pigment; White arsenic; Plaster; Corkboard; Linoleum; Chamois skins; Leather; Leather belting; Packing (Asbestos, rubber and flax); Oakum; Rubbing Felt; Calking cotton; Cocoa fiber; Asbestos gaskets; Chemical hose; Solid rubber tires; Abrasive cloth, and Creosoted Southern Yellow Pine Piling.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until June 5, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2965, for furnishing miscellaneous supplies, including:

Gasoline pump; scales; water coolers; life preservers; oars; marine lights; bars (carbon steel, naval brass and maganese steel); bolts (brass and steel); nuts; eye bolts; washers; electric relays; battery renewals; brick; terra cotta pipe; cable clips; track bolts; wire cloth; poultry netting; manganese bronze rods; hickory handles; milk cans; dauber brushes; varnish brushes; varnish; coal tar, artificial leather; rubber gaskets; rubber tires and tubes, and cotton bunting.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE.—Until June 1, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2966, for furnishing miscellaneous supplies, including:

Concrete reinforcement bars; twist drills; pipe dies; cartridge-type resistors; electric lighting fixtures; battery clips; wire clamps; bronze nuts; pins and bolts; rim locks; drawer locks; stop cocks; paint pots; lawn sprinklers; air sprayers; hand saws; fog horns; aluminum pans; duck pins; garden hoes; radiator hose, and rubber seal segments.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE. — Until May 22, 10:30 a. m., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2962 for furnishing miscellaneous supplies and materials as follows: trash rack rake hand, — operated winch, panelboards, switchboards, local battery telephones, ground rods, sheet iron or steel, cast iron pipe fittings, anchor and chain shackles, turnbuckles, brass bolts, brass nuts, brass washers, bronze door knobs, brass or bronze door hooks, refrigerator hinges, butt hinges, hinged hasps, brass screw eyes, grommets, meat grinder, cuspidors, chair casters, sash-tool brushers, welding flux, calcium chloride, gasoline hose, rubber seal strips, asbestos valve stem packing, roll asbestos packing and hardwood tie plugs.

Specifications obtainable from the above office and from the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

U. S. FOREST SERVICE

GOVERNMENT ISLAND — Until May 24, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 964, for furnishing and fabricating all structural steel, bolts for field connections, and all miscellaneous portions necessary for the erection of one 200 feet beam stiffening span. Delivery f.o.b. bidder's shipping point, and/or f.o.b. Auburn, Calif.

Specifications obtainable from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment, as follows:

FAUCETS, cocks and valves; East and West Yards. Sch. 2492; May 29.

FITTINGS, composition for various deliveries. Sch. 2505; June 1.

FITTINGS, malleable and cast iron pipe; Various yards. Sch. 2496; June 1.

CYLINDERS, acetylene gas: Mare Island. Sch. 2544; June 5.

DRILLS, carbon steel twist; Mare Island. Sch. 2558; June 5.

COPPER, 4, 555 lbs. sheet; Mare Island. Sch. 2548; June 5.

PIPE, 25,000 ft. brass; Mare Island. Sch. 2547; June 5.

Specifications obtainable from above office.

TREASURY DEPARTMENT

PORTERVILLE, Tulare Co., Cal.—Until June 7, bids will be received by Branch of Supply, Procurement Division, Treasury Department, Washington, D. C., for aluminum tablets for the U. S. Post Office at Porterville.

SAN JOSE CITY

SAN JOSE, Santa Clara Co., Cal.—Until June 12, 5 P. M., bids will be received by Walter L. Bachrodt, Secretary, San Jose Board of Education, for lumber, medical supplies, oils and grases for shops; paint supplies and supplies for repair department for the school year, 1934-1935. Specifications on file in the office of the City Superintendent of Schools, San Jose.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until June 4, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing 600,000 bbls. of Portland cement in accordance with Specifications No. 68.

Specifications obtainable at Room 1007, 306 W. Third St., upon payment of $5, not returnable. F. E. Weymouth, General Manager and Chief Engineer.

SAN LEANDRO CITY

SAN LEANDRO, Alameda Co., Cal.—Until June 4, 4:30 P. M., bids will be received by E. F. Hutchings, city clerk, San Leandro, for furnishing natural rock asphalt for the balance of the fiscal year beginning June 6, 1934 and ending June 30, 1935, and for the year beginning July 1, 1934 and ending June 30, 1935.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until May 28, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 108, for the sale of miscellaneous equipment including street sweeping machines, wagons, sanding machines, truck bodies, sewer cleaning machine, elevator doors, water boilers, etc.

Specifications obtainable from above office.

SAN FRANCISCO—Until May 28, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 107, for the sale of the following:

Lot No. 1—Approximately 678 used automobile tires, located in the City's Yard at 11th and Bryant Streets, and approximately 150 at the Municipal Railway carbarn, Geary St. and Presidio Ave.

Lot No. 2—2 old safes; one 63x44x30 inches and the other 45x32x30 in. located in the S. F. Water Department's office in the Ferry Building, Slip No. 1.

Lot No. 3—Approximately 15 tons of scrap cast iron and malleable iron located at 1950 Harrison St.

Specifications obtainable from the above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

PLACER CO., Cal.—N. R. Mayfield, Tahoe City, at $9,145 awarded contract by the State Highway Commission, Sacramento, for the construction of a bridge across Ward Creek, about 2.7 miles south of Tahoe City.

Complete bids published May 16.

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—Chris Winkler, Box 243, Ferndale, at $2291 submitted low bid and awarded contract by the Humboldt County Board of Supervisors, Eureka, for the construction of a timber bridge over Sproule Creek near Garberville in Road District No. 2, Humboldt County. Complete bids follow:

Henry Padgett, Fields Landing	$2765
J. N. Cloney, Eureka	2975
Mercer Fraser Co., Eureka	3123
H. A. Anderson, Rio Dell	3190
R. E. Shaw & Westby, Eureka	3394
Fred J. Maurer, Eureka	2800

CONTRACT AWARDED

SKAMANIA COUNTY Wash.—Halleran Bros., 2352 Broadway N., Seattle, at $58,696 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, on May 15 for grading and constructing a reinforced concrete girder bridge 158 ft. long on about 1.3 miles of State Road No. 8, Underwood-West, USPW Project NRH 112-D, in Skamania Co.

Guthrie-McDougall Co., Portland, at $63,649 submitted second low bid, and Hallstrom & Hallstrom, Seattle, at $68,044 submitted third low bid.

BID OPENING POSTPONED

SAN JOSE, Santa Clara Co., Cal.—The San Jose City Council will postpone opening bids on the construction of a reinforced concrete girder bridge on Fox Avenue, over the Guadalupe river, for about two weeks, pending settlement of the wage scale.

May 21, 5 P. M., was the date previously scheduled for opening bids.

BIDS OPENED

SNOHOMISH COUNTY, Wash. — T. D. MacNeill, Mt. Vernon, at $24,577 submitted low bid to the Washington State Highway Directors, Olympia, on May 15 for constructing a 140-ft. steel through span with two 33-ft. reinforced concrete girder approaches on a portion of State Road No. 15, Money Creek to Halford bridge, over Barclay Creek, Unit 3 of USPW Project NRH 189-B, in Snohomish County.

Newkirch & Munter, Seattle, at $25-984 submitted second low bid, and Gustafson & Olsen, Seattle, at $28,165 submitted third low bid.

All bids held under advisement.

CONTRACT AWARDED

CLACKAMAS CO., Ore. — Barham Bros., Salem, at $17,161 submitted the low bid and awarded contract by the Oregon State Highway Commission, Portland, May 17, for remodeling the bridge over outlet of Kellogg Lake on the East Portland - Oregon City Highway in Milwaukie.

The other bids were:

Shattuck & Neland, Portland	$18,729
Allyn & Powers, Portland	19,428
Edlefsen Weygandt Co., Portland	19,434
Averill & Philpott, Portland	20,945
Berkemeier & Saremal, Portland	22,615

BIDS WANTED

DOUGLAS COUNTY, Oregon—Until June 1, 10 A. M., bids will be received by M. H. Lynch, District Engineer, U. S. Bureau of Public Roads 316 New Postoffice Bldg., Portland, for constructing two 41-ft. reinforced concrete spans, extension to Diamond Creek bridge, Tiller Trail Highway Project NR - 16 - F3 (Ext.), National Forest Road Project, located within or adjacent to Umpqua National Forest, County of Douglas, Oregon.

The work involves:

(1) 160 cu. yds. unclass. excavation for struc.;
(2) 180 cu. yds. do for borrow;
(3) 49 cu. yds. Class A concrete;
(4) 160 cu. yds. Class D concrete;
(5) 42,000 lbs. reinforcing steel;
(6) 50 lin. ft. 12-in. corru. galv. metal pipe.

Plans and specifications obtainable from the above upon deposit of $10.

BIDS WANTED

JUNEAU, Alaska.—Until June 18, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, Ike P. Taylor, Chief Engineer, 419 Federal & Territorial Bldg., Juneau, for the construction of approaches to the Juneau-Douglas highway bridge. The work includes construction of three 48-foot concrete spans and six 48-foot spans at the ends of the bridge. The work involves:

(1) 860 cu. yds. reinforced concrete;
(2) 178,000 lbs. reinforcing steel;
(3) 5,000 ft. piling;
(4) 12 light posts.

Specifications obtainable from above office. 1

CONTRACT AWARDED

ARIZONA STATE.—Wm. Peper Co. and Leo Frost, Box 1564, Phoenix, at $35,559.31 awarded contract by the Arizona State Highway Commission, Phoenix, May 18, for bridge construction on the Bisbee-Douglas highway, NRH 11-A (AFE 8025). The work is located about six miles east of Bisbee and consists of widening and lengthening an existing concrete arch bridge and the grading, draining and concrete paving of about 0.6 mile of approach roadway.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

SHASTA CO., Cal.—Until June 13, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a bridge across Sacramento river at Redding, consisting of six 108-foot plate girder spans and two 73-foot 6-inch end spans on concrete piers. The work involves:

(1) 2,600 cu. yds. structure excav.;
(2) 914 cu. yds. Class A Port. cem. conc. footing blocks;
(3) 2,260 cu. yds. Class A Port. cem. concrete structures;
(4) 188,000 lbs. bar reinf. steel;
(5) 1,349,000 lbs. struc. steel in place
(6) 91,000 lbs. struc. steel, furnished and fabricated;
(7) 29,400 lbs. cast steel bearings;
(8) 68,000 lbs. pipe handrail in place
(9) 4,700 lbs. pipe hand rail furnished at site;
(10) 1 lot lighting equipment;
(11) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco and Los Angeles, and the district in which the work is situated.

BIDS WANTED

GOVERNMENT ISLAND, Oakland, Cal.—Until May 28, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid No. 968, for furnishing and fabricating all material for one lot of suspension bridge hangers and cable clamps for the Middle Fork American River Bridge. Delivery f.o.b. bidder's shipping point and/or f.o.b. Auburn.

Additional information obtainable from the Forest Service Bridge Engineer, 85 Second St., San Francisco.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by H. R. Marsh, Ass't. Supply Officer, Forest Service Supply Depot, Government Island, under Bid No. 961 for furnishing and fabricating all structural steel for 2 suspension bridge towers and 4 anchorages:

Schrader Iron Works, San Francisco, $3168; Herrick Iron Works, Oakland, $2572 f.o.b. Oakland, $2672 f.o.b. Auburn; Judson - Pacific Co. Oakland, $2465 f.o.b. Emeryville, $2546 f.o.b. Auburn; Dyer Bros. Golden West Iron Works, S. F., $2986.70 f.o.b. S. F.; Golden Gate Iron Works, S. F., $2200 f.o.b. S. F., $2325 f.o.b. Auburn; Halsey Machine & Mfg. Co., San Bernardino, $2032 f.o.b. San Bernardino, $2160 f.o.b. Auburn; McClintic-Marshall Co., Alameda, $2672 f.o.b. Alameda; Moore Dry Dock Co., Oakland, $2633 f.o.b. Oakland; Independent Iron Works, Oakland, $2937 f.o.b. Oakland, $3018 f.o.b. Auburn, and California Steel Co., S. F. $2545 f.o.b. San Francisco.

Bids held under advisement.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

COWLITZ RIVER, Wash.—Portland Dredging Co., Lewis Bldg., Portland, at $10,200 submitted the only bid to the U. S. Engineer Office, 306 Custom-

house, Portland, May 15, for grading and riprapping with stone about 1,000 lin. ft. of the left bank of the Cowlitz River at a point 1.5 miles above its mouth. Engineer's estimate, $12,250.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the U. S. Engineer Office, Capt. J. G. Drinkwater, Dist. Engineer, Sacramento, for furnishing approximately 600 tons of rip-rap stone for wing dams in the vicinity of Sacramento; Spec. 6363:

Blake Bros., San Francisco, $720, f.o.b. Richmond.

Basalt Rock Co., Napa, $900, f.o.b. Sacramento.

Union Granite Co., Rocklin, $900, f. o.b. Rocklin (Placer County).

Bids held under advisement.

BIDS WANTED

SACRAMENTO, Cal.—Until May 25, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. 6405, for furnishing and operating clamshell dredging plant at hourly rates for use in Suisun Bay and the San Joaquin and Sacramento rivers, and tributary channels.

Specifications obtainable from above office.

BIDS WANTED

SEATTLE, Wash.—Until May 31, 10 A. M., bids will be received by the Seattle Board of Public Works, Rm. 511, County-City Bldg., Seattle, for furnishing and placing approximately 1300 tons of rock for toe protection at the bottom of the precast concrete section of the seawall now being constructed.

Plans and specifications obtainable from the City Engineer, 4th Floor, County-City Bldg., and on file at the office of G. W. Roberge, Secretary of the Board of Public Works.

BIDS OPENED

OAKLAND, Calif. Healy - Tibbitts Const. Co., 64 Pine St., San Francisco at $4,630 submitted low bid to the Public Works Officer, 12th Naval District, 100 Harrison St., San Francisco for repairs to the fresh water pipe line on the east side of the Key Route Pier, Oakland, to Receiving Ship Station, Yerba Buena Island, under Spec. No. 7702.

M. B. McGowan, San Francisco, at $7,828, submitted the only other bid.

Bids held under advisement.

23— IRRIGATION PROJ.

FUNDS APPROVED

TURLOCK, Cal.—The PWA has approved an allotment of $311,000, $3,000 being an outright grant, to the Turlock Irrigation District for financing the construction of 23 miles of concrete canal lining. Plans and specifications for the project have been approved by State PWA Engineer F. E. Trask. The District will hold an election in the near future to secure the loan.

24—ST. LIGHT. SYSTEMS

BIDS OPENED

LOS ANGELES, Cal.—W. H. Rumble, 6507 Haas Ave., Los Angeles, at $13,496.70 submitted low bid to the Los Angeles Board of Public Works May 16 for constructing an ornamental lighting system in the Pershing Square Lighting District, bounded by Hill St., Olive St., Fifth St. and Sixth St. The other bids were:

Newbery Electric Corp., Los Angeles, $13,751.

R. A. Wattson, Los Angeles, $13,788.

Walker-Martin Corp., Ltd., Los Angeles, $13,888.

Union Metal Co., Los Angeles, $14,000.

The work involves:

(1) 14 Union Metal, No. 2502 pressed steel, ornamental lighting posts equipped with G. E. lighting posts, with G. E. form No. 9, lighting units.

(2) Six Union Metal No. 1906 pressed steel, ornamental lighting posts equipped with G. E. lighting posts, with G. E. form No. 9, lighting units.

BIDS OPENED

EMERYVILLE, Alameda Co., Cal.—A. Soda & Son, 1077 65th Ave., Oakland, at $5850 submitted low bid to Emeryville City Council for furnishing and installing 63 ornamental bracket lights on trolley poles on San Pablo Avenue from the north boundary to the south boundary of the city. Following bids received

A. Soda & Son, Oakland	$5850
T. L. Rosenberg, Oakland	6297
NePage McKenny, Oakland	6485
Conrad Electric Co., Oakland	6590

25—MACHINERY AND EQUIPMENT

COMPLETE BIDS

PUGET SOUND, Wash. — Morgan Engineering Co., Alliance, Ohio, at $43,560, as previously reported, submitted low bid to the Bureau of Yards and Docks, Washington, D. C., for remodeling two bridge cranes and transporting them from Charleston, W. Va., to Puget Sound Navy Yard. Bids were taken as follows:

(1) Remodeling old cranes;

(2) Furnishing new cranes.

Complete bids follow:

Morgan Engrg. Co., Alliance, (1) $43,-560; (2) $55,590.

Shaw-Box Crane & Hoist Co., Muskegon, Mich., (1) $44,933; (2) $48,366.

Harnischfeger Sales Corp., Milwaukee, Wis., (2) $44,420.

Shepard Niles Crane & Hoist Co., Philadelphia, (2) $44,650.

Whiting Corp., Harvey, Ill., (2) $50,-415.

Cleveland Crant & Engrg Co., Wickliffe, Ohio., (2) $76,732.

All bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO. — The DeVilbiss Co., 831 Howard St., at $807.05 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing one spray booth for the School Department under Bid No. 1178.

CONTRACT AWARDED

FRESNO, Cal.—The Board of Trustees of Central Union High School, McKinley and Dickenson Aves., Fresno, has purchased two Reo No. 2L Chassis at $1595 each and 2 Patchets & Carstenson bus bodies at $1725.50.

CONTRACT AWARDED

LUALUALEI, Oahu, T. H.—Warden & Vollborn, P. O. Box 2718, Honolulu, were awarded the contract by Bureau of Yards and Docks, Washington, D. C., May 16 at $1747 for furnishing an electric pump for chlorinator at the Ammunition Depot, Lualualei, Oahu, under Spec. No. 7662.

CONTRACT AWARDED

SAN FRANCISCO. — United States Machinery Co., Sacramento, who submitted the only bid at $850.00, were awarded contract by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 106, for the sale of one 1-ton Baldwin Westinghouse Mine Locomotive No. 61045.

CONTRACTS AWARDED

SAN FRANCISCO. — Jenison Mchy. Co., 900 Tennessee St., at $700.00, and Yates American Machine Co., 725 Bryant St., at $300.00 awarded contracts by T. A. Brooks, for woodworking machinery for School Department, under Invitation Bid No. 117?

BIDS OPENED

EL CENTRO, Cal.—Following bids received by the State Purchasing Agent, Sacramento, under Quotation 43256, Requisition 516, for furnishing one 10-ft. leaning wheel pneumatic-tired grader with scarifier attachment, f.o.b. El Centro, Division of Highway Shop 11:

J. D. Adams Co., Adams No. 22, $1726, 2% 30 days; Crook Co., Allis-Chalmers No. 10, $1726, 2% 30 days; San Diego Tractor & Equipment Co., Caterpillar No. 44, $1862, plus tax, 2% 30 days; Hulse Anderson Tractor & Equipment Co., $1862, plus tax, 2% 30 days; Smith Booth Usher, Galion No. 10, $1726, 2% 30 days; Austin Western Road Machinery Co., $1726, 2% 30 days.

BIDS OPENED

SAN MATEO, ALAMEDA AND SANTA CLARA COUNTIES—J. P. Lawlor, 372 7th Ave., San Francisco, at $19.45 per day submitted low bid to W. F. Holbrook, Maintenance Superintendent, Burlingame, for the rental of one road roller to be used in the vicinity of San Mateo, Alameda and Santa Clara Counties. The other bids were:

W. O. Tyson, Redwood City, $24; Tiffany Constr. Co., San Jose, $28.

BIDS OPENED

SAN CARLOS, Ariz.—Bids for furnishing turbine pumps for the Colorado River Reservation, Salt River Reservation, San Carlos Reservation, Chiu Chui Project, and San Xavier Reservation, Arizona, were opened by the U. S. Indian Irrigation Service, Los Angeles, May 16. The bids, which were referred to the engineer until May 21 to study efficiencies, were taken on the following items:

I. San Carlos Rerervation: 3 pumps with motors and pump houses, to be delivered and installed in Wells 1, 2 and 3 at San Carlos Reservation:

(1) pump, motor and house installed, Well No. 1;

(2) pump, motor and heuse installed, Well No. 2;

(3) pump, motor and house installed, Well No. 3.

II. Chiu Chui Project: 2 pumps with motors and pump houses, to be delivered and installed in P. W. wells 1 and 2, at Chiu Chui Project.

III. Colorado River Reservation: 4 pumps with motors and pump houses, to be delivered and installed in Wells 1, 2, 3 and 4 on the Colorado River Reservation.

Alternative proposals:

(a) 4 pumps with geared heads installed in Wells 1 to 4 inc. for direct connection to engines operating at 750-rpm.;

(b) 4 pumps installed in Wells 1 to 4 inc., to be belt driven by engines operating at 750-rpm.

IV. Salt River Seservation: pumps with motors and pump houses, to be delivered and installed in Wells 1, 2, and 3 on Salt River Reservation:

(1) pump, motor and house installed, Well No. 1;

(2) pump, motor and house installed, Well No. 2;

(3) pump, motor and house installed, Well No. 3.

V. San Xavier Reservation: Note—Conditions as far as now explored indicate that approximately five pumps may be needed with a required discharge of 300- to 1200-gpm. with a range in pumping lift of 35- to 80-ft.

Discharge (GPM) 300-500

(1) pumping lift (ft.) 60-35;

(2) 80-55;

(Discharge (GPM) 500-900
(3) 60-35;
(4) 80-50;
Discharge (GPM) 800-1200
(5) 60-35;
(6) 80-55.

The following bids were received:

(A) Fairbanks, Morse Co., Los Angeles, $7460.33.

(B- Layne & Bowler Corp., Los Angeles; Worthington Co., Los Angeles; Byron-Jackson Co., Los Angeles; A. D. Cook, Inc., Victor Equipment Co., Johnson Pump Co., Los Angeles, and Peerless Pump Co., Los Angeles, identical as to prices at $7548.60.

Total bids follow:

I. (1)	$1889.75	$1894.00
(2)	919.15	967.20
(3)	1381.35	1469.00
Total	4190.25	4330.45
II.	3996.44	4119.00
III.	8890.12	9619.00
Alt. (a)	7848.54	8455.04
Alt. (b)	6207.40	6469.00
IV. (1)	4647.89	4986.18
(2)	4647.89	4986.18
(3)	4647.89	4986.18
V. (1)	991.20	983.20
(2)	1122.65	1118.40
(3)	1058.53	1067.25
(4)	1403.10	1428.50
(5)	1330.95	1357.25
(6)	1553.90	1594.00

All bids held under advisement.

BIDS OPENED

SALT RIVER RESERVATION, Ariz.—The following firms submitted bids to the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles May 18, for furnishing transformers for the Salt River Reservation Project, Arizona:

Vinson Carter Electric Co., Sharon, Pa.; Maloney Electric Co., St. Louis; Kuhlman Electric Co., Bay City, Mich. Wagner Elec. Corp., St. Louis; Westinghouse Elec. Supply Co., Phoenix, and Sharon, Pa.; Westinghouse Elec. & Mfg. Co., Phoenix, and Sharon; Graybar Electric Co., Pittsfield, Mass. Allis-Chalmers Co., Pittsburgh, Pa.; Pennsylvania Transformer Co., Pittsburgh, Pa.; White & Stein Co., Phoenix and Sharon.

CONTRACT AWARDED

FORT PECK, Montana — National Transit Pump & Machine Corp., 19 N. Petroleum St., Oil City, Pa., at $35,-462.24 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for furnishing auxiliary pumps and primers for Fort Peck Dredges.

CONTRACT AWARDED

FORT PECK, Montana—Elliott Machine Corp., Baltimore, Md., at $47,222 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for furnishing suction and discharge piping and flap valves for Fort Peck Dredges.

26— RAILROADS

CONTRACT AWARDED

FORT PECK, Mont.—Addison-Miller, Inc., 1111 Builders Exchange, St. Paul, Minn., at $349,933 awarded contract by U. S. Engineer, Kansas City, Mo., for the construction of trestle and track for the upstream tunnel spur and upstream toe of dam, near the Missouri river, approximately 25 miles southeast of Glasgow, Mont., Fort Peck Dam.

Complete bids follow:

Addison-Miller, Inc., St. Paul, Minnesota, $349,933; The Massman Const. Co., Kansas City, Mo., $354,945.00; Frazier-Davis Const. Co., St. Louis, $364,296; Kansas City Bridge Company Kansas City, Mo., $392,830; Union Bridge & Const. Co., Kansas City, Mo., $410,761; Morrison-Knudsen Co., Spokane, Wash., $413,607.

NOTICE OF SALE

LOS ANGELES, Cal.—Until June 4, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the sale of railroad track, located in San Gabriel Canyon and extending from Pine Canyon Dam approximately 15,000 feet downstream. Specifications were prepared by E. C. Eaton, Los Angeles County Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, clerk of the board, 501 Hall of Records.

BIDS WANTED

SKAMANIA CO., Wash.—Until June 1, 3 P. M., bids will be received by Major C. F. Williams, Corps of Engineers, U. S. Engineer Office, 306 Customhouse, Portland, for relocating and reconstructing a portion of the Spokane, Portland and Seattle Railway Company's track and operating facilities between its mile posts 45 and 51, east of Portland. The work includes grading, concrete masonry, track laying and ballasting and incidental work to accommodate the construction of the Bonneville Power and Navigation Project.

ROAD BED GRADING

(1) 15 acres clearing;
(2) 3,000 cu. yds. excav., solid rock;
(3) 6,000 cu. yds. excav., medium;
(4) 6,000 cu. yds. excav., common;
(5) 25,000 cu. yds. borrow, solid rock
(6) 350,000 cu. yds. borrow, unclass.;
(7) 20,000,000 sta. yds. overhaul;

TRACK WORK

(8) 29,500 lin. ft. track removal;
(9) 29,500 lin. ft. track laying;
(10) 20,000 cu. yds. ballasting & surfacing;

MATERIALS

(11) 26,000 creosote treated cross ties
(12) 16 ft. M.B.M. creosoted treated switch ties;

STRUCTURES

(13) 1,000 cu. yds. Class A concrete;
(14) 4,700 cu. yds. Class B concrete;
(15) 200,000 lbs. reinforcing steel;

PILE TRESTLE

(16) 600 lin. ft. piling above cut-off;
(17) 2,500 lin. ft. piling below cut-off;
(18) 35 ft. M.B.M. timber in place, including hardware;

MOVING 150-FT. THRU TRUSS

(19) 1 job;

PIPE CULVERTS

(20) 90 lin. ft. cast iron 24-in. dia., Grade B;
(21) 10 lin. ft. cast iron 42-in. dia., Grade C;
(22) 100 lin. ft. concrete, 12-in. dia.;
(23) 70 lin. ft. concrete, 18-in. dia.;
(24) 60 lin. ft. concrete, 24-in. dia.;
(25) 20 lin. ft. corru. galv. iron, 24-in., 12 gauge;

RIGHT OF WAY FENCE

(26) 1600 rods ordinary type No. 1 fence.

Performance bond in the sum of not less than 50% of the contract price shall be furnished. The contractor will be required to enter into a contract with the Spokane, Portland and Seattle Railway Company to protect its property during the term of his contract with the United States and to support the same with a surety bond in the sum of $50,000. The work shall be completed within 210 calendar days.

Plans and specifications available from the United States Engineer's Office, 341 Pittock Block, Portland, and on file at the office of the Pacific Division, U. S. Engineer, Custom House, San Francisco.

28—FIRE EQUIPMENT

BIDS WANTED

BAKERSFIELD, Kern Co., Calif.—Until June 11, 5 P. M., bids will be received by the Bakersfield City Council, V. Van Riper, City Clerk, for rental of two booster pump tank apparatuses for use by the Bakersfield Fire Dept. The lease is to include option to renew and options to purchase.

Specifications obtainable from the City Clerk.

May 24, 1934

HEARING SET

MILLBRAE, Cal.—The San Mateo County Board of Supervisors have set June 18, 10 A. M., as the date for a hearing on the formation of the Millbrae Fire Protection District.

28

30—RESERVOIRS & DAMS

BIDS OPENED

BONNEVILLE, Oregon—Eight identical bids at $2.02 per bbl. were received by the U. S. Engineer Office, Portland, under Bid No. 34-660, for furnishing 300,000 bbls. of Portland cement for the Bonneville project. The bids were all f.o.b. Bonneville. Bids were submitted by the following firms:

Beaver Portland Cement Co., Oswego
Pacific Portland Cement Co., Redwood City.
Calaveras Cement Co., San Andreas, Calif.
Yosemite Portland Cement Co., Merced, Calif.
Santa Cruz Portland Cement Co., Santa Cruz, Calif.
Oregon Portland Cement Co., Oswego
Oregon Portland Cement Co., Lime, Oregon.
Monolith Portland Cement Co., Monolith. Calif.
W. C. Delbrueck & Co., Importers, Terminal Sales Bldg., Portland, submitted a bid at $1.90 per bbl.

NEW BIDS ASKED

LOS ANGELES, Cal.—Until May 28, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction and operation of plant and distribution system for applying water to the faces of San Gabriel Dam No. 2. Items involve

(1) lump sum, Plant No. 1;
(2) lump sum, Plant No. 2;
(3) lump sum, Plant No. 3;
(4) lump sum, Plant No. 4;
(5) 22,000 cu. ft. spreading water on downstream face of dam;
(6) do on upstream face;
(7) 4,000,000 cu. ft. water pumped from Plant No. 3;
(8) 5,000,000 cu. ft. water pumped from Plant No. 4;
(9) 35,000 sq. ft. remove facing slab, No. 1;
(10) 22,000 sq. ft. do, No. 2;
(11) 7,000 sq. ft. do, No. 3;
(12) 2,000 sq. ft. do, No. 4;
(13) 25,000 sq. ft. remove sub-slab;
(14) 5,000 lin. ft. drill holes, 1½-in. diameter.

All bids received May 14 were rejected May 16. Plans and specifications obtainable from the Chief Engineer, E. C. Eaton, upon deposit of $2.50. Fred F. Greenfield, 7310 S. Figueroa St., Los Angeles, submitted low bid on May 14 at $69,539.

PROSPECTIVE BIDDERS

GRAND COULEE, Wash. — Following is an additional list of contractors and others who have procured plans for the construction of the Grand Coulee Dam and Power Plant, for which bids will be received by the U. S. Bureau of Reclamation, Civic Bldg., Spokane, June 18, 10 A. M., as previously reported:

Teufel & Carlson, Skinner Bldg., Seattle.
D. Nygren, Lloyd Bldg., Seattle.
Guy F. Atkinson, 1015 Porter Bldg., Portland.
Morrison-Kundsen Co., Old National Bank Bldg., Spokane.

Harry Morrison, Boise, Idaho.
W. A. Bechtel Co., 155 Sansome St., San Francisco.
Utah Const. Co., 703 First National Bank Bldg., Ogden.
Stevens Bros., 610 Endicott Bldg., St. Paul, Minnesota.
Rosoff Subway Const. Co., 295 Madison Ave., New York City.
MacDonald Engr. Co., 1 LaSalle St., Chicago.
J. L. Hays, care of Columbia Steel Co., 2345 NW Nicolai, Portland.
Holmes Supply Co., 358 Santa Fe Ave., Los Angeles.
Bucyrus-Erie Co., South Milwaukee, Wisconsin.
Hansen & Rowland Co., Rust Bldg., Tacoma.
W. H. Gohagen, 147 Remsen, Brooklyn, N. Y.
Jack Wilson, care of J. A. Roebling's Sons Co., 624-626 Folsom Street, San Francisco.
J. H. Gaskill, Seattle.
C. A. Huschberg, Worthington Pump & Machinery Corp., Harrison, N. J.
Fraser-Brace Corp., 10 E 40th St., New York City.
James Stewart & Co., Washington, D. C.
International Nicol Co., Shoreham Bldg., Washington, D. C.
James Stewart Corp., Bellevue, Ia.
Six Companies, Inc., Boulder City, Nevada.
George A. Fuller Co., 597 Madison Ave., New York City.
H. A. Lloyd, care of Columbia Steel Co., 2345 NW Nicolai, Portland.
Richfield Oil Co., Richfield Bldg., Los Angeles.
G. L. Tarlton, 1406 Ambassador Bldg. St. Louis, Mo.
Fidelity & Deposit Co. of Maryland 405 Montgomery St., San Francisco.
H. J. Brockman, Union Bank Bldg., Los Angeles.
Washington Pump & Machinery Co., 601 13th NW. Washington. D. C.
Ward Engr. Co., 315 Montgomery St. San Francisco.
Republic Steel Co., Denver.
Westinghouse Electric & Mfg. Co., Denver.
Babcock & Wilcox Co., Denver.
White & Prentiss, Inc., 103 40th St., New York City.
A. M. Castle & Co., 32 W Connecticut St., Seattle.
Howard Cooper Corp., P. O. Box 1295 Spokane.
Mack Truck Co., 701 9th, Seattle.
Alco Products, Inc., 220 E. 42nd St., New York City.
M. H. Slocum, 1420 Stearns Drive, Los Angeles.
Sprague & Henwood, Scranton, Pa.
Marion Steam Shovel Co., 307 SE. Hawthorne Blvd., Portland.
L. G. Warren, Multnomah Hotel, Portland.
David H. Ryan, 1615 Fern St., San Diego.
W. H. Slocum, Los Angeles.
General Electric Co., Washington, D. C.
Foley Bros., Inc., 135 E. 42nd St., New York City.
Aetna Life Insurance Co., Washington, D. C.
M. H. Treadwell Co., Inc., 140 Cedar St., New York City.
Underpinning & Foundation Co., Inc 155 E. 44th St., New York City.
Soule Steel Co., 1750 Army St., San Francisco.
The Arundel Corp., Pier 2, Pratt St., Baltimore, Md.

BIDS OPENED

FORT PECK, Mont.—Identical bids at $3.0145 per barrel, total $2,411,600 were submitted to the U. S. Engineer, Kansas City, Mo., May 10, for furnishing 800,000 barrels of Portland cement. The bids were:

Three Forks Portland Cement Co., Denver; Universal Atlas Cement Co., 208 S. LaSalle St., Chicago; Huron Portland Cement Co., 1325 Ford Bldg., Detroit; Marquette Cement Mfg. Co., 130 S. Dearborn St., Chicago; Alpha Portland Cement Co., 165 W. Wacker Drive, Chicago; Northwestern States Portland Cement Co., Mason City, Ia. Pennsylvania - Dixie Cement Corp., 60 E. 42nd St., New York City; Lehigh Portland Cement Co., 111 West Washington St., Chicago.

The Dewey Portland Cement Co., 101 W. 11th St., Kansas City, Mo., submitted a bid for furnishing 100,000 bbls. only at $3.0145 per barrel, total $301,450.

The Hawkeye Portland Cement Co. 806 Hubbell Bldg., Des Moines, Iowa, submitted a bid for furnishing 300,000 barrels only at $3.123494 per bbl., total $937,048.20.

BOND ELECTION

rectors of the Santa Clara Valley Conservation District, Grant Bldg., San Jose, have set June 19 as the date for a special election in the district to approve a bond issue of $2,000,000, proceeds of which will be used to finance structures for impounding and distributing flood waters for irrigation. The District has applied to PWA for a supplementary grant of $683,000, which it is understood has received preliminary approval and will be available if the bonds are voted.

Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, is chief engineer for the conservation district and directors of the district have approved his plans for construction of a system of reservoirs in which the winter run-off will be stored to be allowed to percolate into the underground channels during the dry season and restore the valley water table which has been falling rapidly.

Five detention reservoirs are to be constructed, the cost of each being estimated as follows: Coyote, $512,000; Calero, $339,000; Almaden, $214,000; Guadalupe, $330,000, and Stevens, $412,000.

Six percolating reservoirs are estimated at $198,000 and five spreading dams at $58,000.

Connecting conduits, including canals and tunnels will cost $324,000.

The estimated construction items are as follows:

DETENTION RESERVOIRS

(A) Coyote; (B) Calero; (C) Almaden; (D) Guadalupe; (E) Stevens.

DAM

Earth fill, short haul, cu. yds., (B) 338,000; (E) 385,800.

Earth fill, long haul, (C) 157,700; (D) 277,630.

Rock fill, cu. yds., (A) 270,000.

Derrick placed rock, cu. yds., 26,340.

Stripping foundation, cu. yds., (B) 61,940; (C) 23,300; (D) 35,200; (E) 49,670.

Core trenching, cu. yds., (A) 950; (B) 19,500; (C) 6,675; (D) 8,400; (E) $12,900.

Paving, sq. ft., (B) 142,800; (C) 58,600; (D) 92,900; (E) 113,800.

Concrete facing, etc., cu. yds., (A) 3,000.

OUTLET WORKS

Tunnel lined, lin. ft. (A) 750; (B) 608 (C) 700; (D) 870; (E) 1,200.

Valves and gates, each, two for each of the five reservoirs.

SPILLWAY

Excavation, cu. yds., (B) 4,900; (C) 13,800; (D) 25,000; (E) 26,400.

lining, side walls, sq. ft., (B) 12,000; (C) 13,700; (D) 14,500; (E) 26,200.

Lining, floors, sq. ft., (B) 6,000; (C) 6,300; (D) 6,600; (E) 13,800.

Paving, sq. ft., (A) 10,000; (B) 24,000; (D) 21,000.

Block mattress, sq. ft., (B) 3,000; (C) 2,400; (D) 8,000; (E) 3,200.

Concrete, reinforcement, cu. yds., (A) 900; (B) 235; (C) 329; (D) 235; (E) 518.

ROAD RELOCATION

Moderate topography, miles, (B) 1.6; (C) 2; (D) 2.

Rough topography, miles, (E) 3.0.

PERCOLATING RESERVOIRS

(A) Vasona; (B) Page; (C) Lower Check Dams; (D) Sausage Dams.

Earth fill, cu. yds., (A) 56,700; (B) 6,000; (C) 15,200.

Concrete, reinforced, cu. yds., (A) 432; (B) 510; (C) 1,290.

Radial gates, each, (A) 3.

Block mattress, sq. ft., (A) 4,800 (B) 4,000; (C) 10,200.

Spillway lining, sq. ft., (A) 97,200.

Sausage dams, lin. ft., (D) 6,150.

Calero Canal and Tunnel

Excavation, 40,800 cu. yds.;
lining, 255,000 sq. ft.;
Tunnel, 4,000 lin. ft.

Coyote By-Pass Canal

Excavation, 100,000 cu. yds.;
Reinf. conc. diversion dam, 750 c.y.;
Structures, 460 cu. yds.;
72-in. corru. iron pipe, 90 lin. ft.

LeRoy Anderson of San Jose is president of the district and Herbert C. Jones, attorney.

31—PIPE LINES & WELLS

BIDS OPENED

SAN FRANCISCO. — Following bids received by the Constructing Quartermaster, Fort Mason, for drilling a well and furnishing and installing one motor-driven deep well pump at Lobos Creek Pumping Station, Presidio.

Bids were taken as follows:

(1) for the well, complete, lump sum;

(2) for furnishing and installing one deep well motor-driven pump, complete, lump sum.

(3) per cu. ft. for drilling and casing well, with outer and inner casing and gravel fill:

J. B. Rodgers, 110 Sutter St., (1) $1,490.00; (2) ....; (3) $8.25.

Robert Garcia Well Drilling & Pump Co., Palo Alto, (1) $1,527.10; (2) .....; (3) $11.74.

Hubbard Machine Co., San Francisco (1) $1,781; (2) $1,897.40; (3) $13.70.

Herman Lawson, San Francisco, (2) $1,973.00.

Simonds Machinery Co., San Francisco, (2) $1,824.40.

*J. Bean Mfg. Co., San Jose, (1) $1,815.21; (2) $1,561.40; (3) $9.90.

*No bid bond submitted with bid.

CONTRACT AWARDED

SAN MATEO, Cal.—J. E. Fontes, 328 San Mateo Ave., San Bruno, at $1,448.54 submitted low bid and awarded contract by the San Mateo High School District Board of Trustees, May 17, 8 P. M., for the construction of a cable tool water well on the San Mateo High School grounds. The other bids were

Robert Garcia, Palo Alto	$1673.72
Wilkinson & Co., Gilroy	1802.55
S. Barger	2366.50

BIDS WANTED

RIO VISTA, Calif.—Until May 29, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, for furnishing and installing a deep well turbine pump, electric motor direct connected to the pump, and all accessory equipment at the U. S. Engineer Office, Rio Vista; Spec. No. 6389.

Specifications obtainable from above office.

BIDS OPENED

FORT PECK, Montana — Frazier-Davis Constr. Co., 1319 Macklind Ave., St. Louis, Mo., at $83,605 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., for constructing a

water supply pipe line from Camp Water Distribution System, Fort Peck, to the right bank of the Missouri River.

C. F. Lytle, Sioux City, Iowa, at $87,742 submitted the only other bid. 31

BIDS WANTED

SAN BERNARDINO, Cal. — Until June 5, 7 P. M., bids will be received by San Bernardino City Water Commission, 416 Third St., for furnishing one booster pump of 450 G. P. M. capacity against a head of 210 ft., direct connected to a 1475 R.P.M. 50-cycle, 3-phase motor, for the Hanford pumping plant at Second and D Sts. Bard Livingston, Superintendent.

CONTRACT AWARDED

RIO VISTA, Cal.—Robert L. Norris, 3975 Eighth Ave., Sacramento, at $1274 awarded contract by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, under Spec. No. 6277, for drilling and casing a well at the U. S. Engineer Office, Rio Vista.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN FRANCISCO—Until June 6, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deupty Director, Room 251, City Hall, for the construction of the 15th Street sewer, Section "C" in Treat Ave., from Alameda St. to Bryant St., and in Division St., from Bryant St. to Tenth St. The work involves:

(1) 954 lin. ft. 2-compartment (10-ft. 0in. x 9-ft. 0-in.) 9-ft. 6-in. x 9-ft. 0-in.) reinf. concrete sewer;
(2) 275 lin. ft. 2-compartment (9-ft. 6-in. x 9-ft. 0-in.) 9-ft. 6-in. x 9-ft. 0-in.) reinf. concrete sewr:
(3) 1 junction structure of reinforced concrete;
(4) 10 manholes on the reinf. conc. sewer;
(5) 410 lin. ft. 8-in. V.C.P. underdrain, covered wnth conc. or embeded in broken rock, as directed;
(6) 820 lin. ft. 10-in. V.C.P. underdrain, covered with concrete or embedded in broken rock, as directed;
(7) 1220 lin. ft. 12-in. V.C.P. underdrain, covered with concrete or embedded in broken rock, as directed;
(8) 56,000 lin. ft. piles, below cut-off;
(9) Installing and removing temporary tee rail track and special work;
(10) 90 ET type 4/0 copper joint bands
(11) 400 lin. ft. 4/0 round copper band wire;
(12) Removing existing track, 1280 ft. single track;
(13) Construct permanent track, 1280 ft. single track;
(14) 3650 sq. ft. asph. conc. pave., consisting of 6-in. Class "F" concrete base, 1½-in. binder course, and 1½-in asphalt concrete wearing surface;
(15) 9000 sq. ft. asphalt wearing surfacer, 2½-in. thick;
(16) 7980 sq. ft. 1½-in. asphalt concrete wearing surface with 2-in. binder course;
(17) 3370 sq. ft. 1½-in. asphalt concrete wearing surface with 1½-in. binder course.

Estimated cost, $159,000. The work will be financed out of an allotment of $2,625,000 by the PWA, for which bonds were voted November 7, 1933.

Plans and specifications obtainable from City Engineer John J. Casey, Room 367, City Hall, upon deposit of $10.

NEW BIDS ASKED

LOS ANGELES, Cal.—Until June 6, 10 A. M., new bids will be received by Los Angeles Board of Public Works for constructing sewers in Pine Crest Drive, between a point 190 ft. easterly of Lomitas Drive and right-of-way northerly from Avenue 60, under 1911 Act.

All bids received May 9 were rejectwas submitted by J. L. Kruly, 1449 S. Reeves St., Los Angeles, at $5983.60. ed May 16. The low bid at that time

33— WATERWORKS

HEATING CONTRACT AWARDED

MARE ISLAND, Cal.—F. W. Snook, 596 Clay St., San Francisco, awarded heating contract at $3200 by the Permutit Co., 442 Fourth Ave., New York City, for the continuous blow-down water softening and chemical feeding system at the Navy Yard, Mare Island. Spec. No. 7610.

BIDS WANTED

OAKLAND, Cal.—Until June 4, 5:30 P. M., bids will be received by the East Bay Municipal Utility District, 512 16th St., Oakland, John H. Kimball, Secretary, for furnishing cast iron pipe fittings for distribution system, as follows:

SCHEDULE 1

(1) 70 4-in. 22½-deg. elbows;
(2) 50 4-in. 45-deg. elbows;
(3) 15 4-in. 90-deg. elbows;
(4) 40 6-in. 22½-deg. elbows;
(5) 80 6-in. 45-deg. elbows;
(6) 15 8-in. 22-deg. elbows, bell ends.

SCHEDULE 2

(1) 50 4x4-in. tees, bell ends;
(2) 30 6x4-in. tees;
(3) 175 6x6-in. tees;
(4) 15 12x6-in. tees;
(5) 30 6x4-in. crosses;
(6) 30 6x6-in. crosses.

SCHEDULE 3

(1) 100 4-in. solid sleeves;
(2) 125 6-in. solid sleeves;
(3) 30 4x2-in. nipples, Class B, spogot ends;
(4) 100 6x2-in. nipples, spigot end;
(5) 150 4-in. plugs;
(6) 50 6-in. plugs.

SCHEDULE 4

(1) 80 6x4-in. reducers, small end bell;
(2) 15 8x6-in. reducers, small end bell;
(3) 50 4-in. offsets, bell end spigots;
(4) 50 6-in. do.

Specifications obtainable from above office.

BIDS WANTED

SAN FRANCISCO.—Until June 1, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 207, City Hall, under Bid No. 1204, for furnishing cast iron bell & spigot pipe for the San Francisco Water Department, as follows:

(1) 240,000 ft. 6-in.
(2) 78,000 ft. 8-in.
(3) 65,000 ft. 12-in.
(4) 48,400 ft. 16-in.

Specifications obtainable from above office.

NEW BIDS ASKED

DRAIN, Ore.—Until June 4, 8 P. M., new bids will be received by Drain City Council for constructing improvements to the waterworks system, consisting of a 6-inch wood or steel pipe line about three miles in length, a wood stave tank, and certain improvements to the distribution system, consisting mainly of approximately 3,000 ft. of 8-in. cast iron, steel or wood pipe. Specifications have been amended to provide a wider range of alternates. Stevens & Koon, Spalding Bldg. Portland, are the consulting engineers.

On the previous opening, May 8, the Mountain States Const. Co., Eugene, at $20,711 submitted the only bid.

33— WATERWORKS

PLANNED

NAPA, Cal.—The Napa City Council has approved plans of the Water Department for laying an 8-inch pipe line on East First St., between Main St. and Bell Ave. Estimated cost, $5000. 33

BIDS OPENED

YERBA BUENA ISLAND, Cal.—Pacific Tank & Pipe Co., 230 California St., San Francisco, at $990.00 submitted the only bid to the Public Works Officer, 12th Naval District, 100 Harrison St., San Francisco, for the construction of one wood tank, complete, at the Receiving Ship Station, Yerba Buena Island, under Spec. No. 7687.

Bids held under advisement.

34—PARKS AND PLAY-GROUNDS

CONTRACT AWARDED

BENTON FIELD, Alameda Co., Cal. —Armour Fence Co., New Jersey, at $5900 awarded contract by War Department for furnishing and installing 4660 lineal feet of chain link fence at Benton Field Air Depot, Alameda.

CONTRACT AWARDED

NAPA, Napa Co., Cal.—West Coast Nursery Co., San Francisco, awarded contract by Treasury Department May 17, at $777, for seeding and planting the U. S. post office grounds at Napa.

BIDS WANTED

SAN RAFAEL, Marin Co., Cal.—As previously reported, until June 14, 8 P. M., bids will be received by Ada M. Fusselman, Secretary Junior College Board, Marin Union Junior College District, for the construction of three tennis courts and construction of a woven wire fence around the courts. Plans and specifications may be obtained at the office of the Junior College at Kentfield upon deposit of $5.00.

BIDS OPENED

OAKLAND, Alameda Co., Cal.—Identical bids at $3802, net, were submitted by the following to the East Bay Municipal Utility District, Oakland, for furnishing fencing materials to be delivered to the Corporation Yard, 21st and Adeline Sts., Oakland:

Dunham, Carrigan & Hayden.
California Ornamental Iron & Fence Company.
West Coast Wire & Iron Works.
Pacific Coast Fence Co.
Maxwell Hardware Co.
Munthe Equipment Co.
B. Simon Hardware Co.
Wayne Iron Works.
Standard Fence Co.
California Wire Cloth Co.
Ralph W. Waterhouse.

Proposal No. 524. Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO—A. Soda & Son, 1077 65th Street, Oakland, at $2787 awarded contract by Public Utilities Commission for fencing for Priest and Moccasin reservoirs. H. H. W. S. Contract No. 148.

29—STREETS AND HIGHWAYS

BIDS OPENED

FORT PECK, Montana—Morrison-Knudsen Co., P. O. Box 1518, Boise, Idaho, at $137,966.76 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., May 15, for constructing bituminous concrete pavements, walks and driveways at the site of the proposed Fort Peck Construction Camp.

omplete bids follow
arrison-Knudsen Co., Boise, $137,-
966.76.
elding & Shepley, St. Paul, $157.-
966.61.
J. Eiff Co., Quincy, Ill., 164,481.19.
aw Paving Co., Topeka, Kansas,
$168,219.41.
ridges Asph. Paving Co., St. Louis,
Mo., $177,689.91.
erry McGlone, Kansas City, Mo.,
$187,606.23.
awler &Maguire, Butte, $198,996.76.
J. Groves & Sons Co., Minneapolis,
Minn., $228,509.16.

IDS OPENED

MULTNOMAH COUNTY, Oregon.—
arold Blake, 400 N. Thompson St.,
ortland, at $26,764 submitted low
d to Oregon State Highway Com-
ission, Portland, May 17, for 3,720
n. ft. of grading and paving on the
nion Ave.—Columbia Blvd. Section
' Lombard St., Portland.
The other bids were:
ern & Kibbe, Portland $27,804
A. Lyon, Portland..... 29,655
dlefsen Weygandt Co., Port-
land 29,869
acobsen Jensen Co., Portland . 31,188
arker Schram Co., Portland .. 31,051
nited Contr. Co., Portland 31,594
heo. Arenz, Portland..... 32,840
orthwest Roads Co., Pk. Rose 36,798
Bids held under advisement.

IDS OPENED

TILLAMOOK CO., Ore. — Schmitt
onst. Co., Portland, at $16,519 (ex-
lusive of topping) and $18,829 (in-
lusive of topping) submitted low bid
o the Oregon State Highway Com-
ission, Portland, May 17, for con-
truction of 1.28 miles of highway
oadbed and 66 lin. ft. treated timber
restle on the Austin Creek-Upper
ach Bridge Section of Little Nestuc-
a Secondary Highway in Tillamook
ounty. The other bids were:
O. N. Pierce, Portland, and M. L.
'Neil & Son. (inclusive) $19,951.
United Contr. Co., Portland, (inclu-
ive) $21,690; (exclusive) $17,235.
Bids held under advisement.

CONTRACT AWARDED

LANE COUNTY, Ore.—P. M. and
. M. Clark, Eugene, at $1,166 sub-
itted low bid and awarded contract
y the Oregon State Highway Com-
ission, Portland, May 17, for the Pa-
ific - McKenzie Highway Junction
andscaping Project on McKenzie
ighway in Lane County.
The other bids were:
IcKenzie Const. Co., Eugene $1,206.00
ewis Johnson, Portland..... 1,652.61
. H. Saxton, Corvallis..... 1,652.50
Eugene Sand & Gravel Co.,
Eugene 1,487.00
. L. Vinigar, Portland 2,308.00

BIDS OPENED

MULTNOMAH CO., Ore. — Harold
Blake, 400 N. Thompson St., Portland
at $124,736 submitted low bid to the
Oregon State Highway Commission,
Portland, May 17, for 2.13 miles pave-
ment widening and resurfacing on the
Halsey Street-Clinton Street Section
of 82nd Ave., Portland.
The other bids were:
Jacobsen Jensen, Portland $126,142
Kern & Kibbe, Portland 127,153
Parker Schram Co., Portland .. 134,055
United Contr. Co., Portland ... 146,917
Bids held under advisement pend-
ing agreement with the city in rela-
tion to maintenance of pavement.

CONTRACT AWARDED

STEVENS, SPOKANE and Lincoln
Cos., Wash.—Standard Asphalt Paving
Co., 603 Chronicle Bldg., Spokane, at
$38,362 submitted low bid and awarded
contract by Washington State High-
way Directors for constructing bitul-
nous treated surface on 2.9 miles of State Road No. 3, Blue Creek to Addy, and on 6.0 miles of State Road No. 5, Bear Creek and West Branch revisions; constructing bituminous mat on 6.5 miles of State Road No. 7, Odessa to Lamona, and on 6.9 miles of State Road No. 11, Fishtray to Tyler and constructing seal coat on 4.0 miles of State Road No. 3, Dennison to Deer Park.

March Const. Co., Seattle, at $49,475 submitted the only other bid.

CONTRACT AWARDED

JACKSON COUNTY, Oregon—E. C. Hall, Eugene, at $40,861 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, May 17, for 3.54 miles roadbed widening, resurfacing and penetration type bituminous macadam on the Agate-Little Butte Creek Section of Crater Lake Highway, National Recovery Project NRS 47-A and NRS 47-B, in Jackson County. The other bids were
Northwest Roads Co., Portland, $44,-
661.
Saxton & Luney, Corvallis, $44,796.
United Contracting Co., Portland, $47,-
463.

BIDS WANTED

IMPERIAL COUNTY, Calif. — Until May 29, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, Union Bldg., San Diego, for highway oiling in Imperial County between Bond's Corner and Niland (XI-Imp-187 and 201-A, B, E & C) about 38.9 miles in length, to be treated with fuel oil, involving 5450 barrels of heavy fuel oil in place.

Plans obtainable at the above office.

SUB-BIDS WANTED

LOS ANGELES, Cal.—A. H. Arend, 4064 Walton Ave., Los Angeles, desires subcontract bids to be incorporated in a general bid he will submit to the Veterans' Administration at Fort Miley June 4 for constructing a animal house at the Veterans' Administration Facility, Los Angeles. The project will include concrete work, hollow building tile, lathing and plastering, roofing and sheet metal, hardware, insect screens, painting, electric and plumbing work, woven wire fence and gates.

AWARD RECOMMENDED

COCONINO COUNTY, Ariz.—O. F. Fisher, Phoenix, at $30,350 submitted low bid and recommended for award by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing subgrade reinforcement on 10.-94 miles on Section D of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino Co., Arizona.

Skousen Bros., Mesa, at $35,750.00 submitted second low bid and the New Mexico Const. Co., Albuquerque, N. M., submitted third low at $48,140. The engineer's estimate was $30,750.

CONTRACT AWARDED

GLOBE, Ariz.—Matti Jacobson, Miami, Arizona, at $18,679 awarded contract by the Arizona State Highway Commission, Phoenix, for street improvement in the City of Globe, NRM 91-C (AFE 511). The work lies within the city limits of Globe and consists of concrete pavement widening over a length of about 0.7 mile.

CONTRACT AWARDED

PHOENIX, Arizona—Phoenix-Tempe Co., P. O. Box 1645, Phoenix, at $31,-647 awarded contract by the Arizona State Highway Commission, Phoenix, May 18 for highway construction on the Phoenix-Tempe Highway, NRM 30-C (AFE 519). The work lies within the city limits of Phoenix and extends from 15th Ave. east along W. Van Buren St. to 7th Ave., a distance of about 0.5 mile, consisting of widening and resurfacing the existing pavement and other miscellaneous items.

CONTRACT AWARDED

DOUGLAS, Ariz.—H. L. Royden, 14 N. 12th Ave., Phoenix, at $11,768.20 awarded contract by the Arizona State Highway Commission, Phoenix, May 18 for widening the existing pavement and placing curbs and gutters on about 0.6 mile of "A" Avenue in Douglas on the Benson-Douglas Highway.

CONTRACT AWARDED

ARIZONA STATE.—H. L. Royden, 14 N. 12th Ave., Phoenix, at $9,506.06 awarded contract by the Arizona State Highway Commission, Phoenix, for grading, draining, and placing base course and oil mix at the Sunshine Railroad underpass on the Winslow-Flagstaff highway, about 16 mi. west of Winslow, NRH 74 (AFE 6630).

BIDS OPENED

SANTA BARBARA COUNTY, Cal. —L. A. Brisco, Arroyo Grande, at $11,031.90, as previously reported, submitted the only bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 27.9 mi. of highway oiling in Santa Barbara County at the following locations: From Carpinteria to Summerland; from Ortega Hill to Olive Mill Road; from the junction of the "Through Route' to the San Jose Creek; from 3.0 miles north of Bulleton to Route 80, and from Bulleton to Lompoc. Unit bids follow
(1) 4190 bbls. heavy fuel oil in place, $1.65.
(2) 10.4 mi. mixing and shaping oiled material, $396.

NOTICE TO BIDDERS

STATE OF CALIFORNIA—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening June 6 and 7.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue line prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, but to be opened June 6, 1934, in Sacramento; and June 7, in Los Angeles:

V-S.B-2-S.B. Bridge over highway near Easterly limits of City of Santa Barbara. Bids to be received in Sacramento. (PLANS) No. of Sheets, 8; cost, $0.80; (CROSS-SECTIONS) No. of Sheets, none; Total, $0.80.

XI-S.D. Lake Hodges, between Escondido and Lake Hodges Dam. Bids to be received in Los Angeles. (PLANS) No. of Sheets, 14; Cost, $1.40; (CROSS-SECTIONS) No. of Sheets, 111; Cost, $11.10; Total, $12.50.

Requests for plans, specifications and proposal forms must be addressed to the office of the State Highway Engineer, P. O. Box 1499, Sacramento, California.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office

BIDS WANTED

SAN RAFAEL, Cal.—Until June 1, 5 P. M., bids will be received by San Rafael Board of Education, Oliver R. Hartzell, Secretary, San Rafael High School, Fourth and High Sts., for paving driveways on the high school grounds.

Specifications will be available in the Secretary's office after May 21.

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until June 14, 2 P. M., bids will be received by the State Highway Engineer, Rm. 808, State Bldg., Los Angeles, to be opened in Room 706, for grading and paving with asphaltic concrete about 1 mile between El Cajon and 1 mile east, in San Diego County. The work involves:

(1) 12 each trees, removed and disposed of;
(2) 6100 cu. yds. rdwy. excav. unclass.;
(3) 25,000 sta. yds. overhaul;
(4) 650 cu. yds. struc. excav.;
(5) 350 sq. yds. subgrade preparation;
(6) 11,000 sq. yds. asph. paint binder
(7) 1350 tons crusher run base;
(8) 3400 tons asph. conc. base leveling and Type A surface course
(9) 7 cu. yds. Class A Port. cem. conc. struc.;
(10) 250 lbs. bar reinforcing steel structures;
(11) 950 lin. ft. exist. culverts, remove and salvage;
(12) 560 lin. ft. exist. culverts, clean and relay;
(13) 380 lin. ft. 18-in. CMP;
(14) 30 cu. yds. conc. removed from existing pave. and disposed of;
(15) 0.2 mi. existing fence moved and reset;
(16) 370 M. gals. water;
(17) 270 bbls. heavy fuel oil detours;
(18) 470 bbls. heavy fuel oil shoulders
(19) 12,885 sq. yds. preparing mixing and shaping shoulders;
(20) 10 each culvert markers;
(21) 6 each monuments moved and reset;
(22) 51 stations finishing roadway.

Plans and specifications obtainable from the State Highway Commission, Sacramento, and on file at the offices of the District Engineers in San Francisco and Los Angeles.

BIDS WANTED

MONTEREY COUNTY, Cal.—Until June 13, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 3.3 miles to be graded and portions to be surfaced with selected material in Monterey County, between Mustang Ridge and Priest Valley. The work involves:

(1) 20 acres clear and grub lt/W;
(2) 322,900 cu. yds. rdwy. excavation, unclass;
(3) 831,000 sta. yds. overhaul;
(4) 1975 cu. yds. struc. excavation;
(5) 5500 cu. yds. selected material;
(6) 10,200 mi. yds. haul on do;
(7) 38 cu. yds. Class A Port. cem. conc. structures;
(8) 1150 lbs. bar reinf. steel strucs.;
(9) 204 lin. ft. 8-in CMP;
(10) 1742 lin. ft. 18-in. CMP;
(11) 832 lin. ft. 24-in. CMP;
(12) 254 lin. ft. 36-in. SMP;
(13) 184 lin. ft. 48-in. CMP., 8-gauge
(14) 240 lin. ft. 60-in. CMP;
(15) 7 each spillway assemblies;
(16) 263 each timber guide posts;
(17) 6.7 miles new property fence;
(18) 18 each fence gates;
(19) 175 stations finishing rdwy;
(20) 67 mounments complete in place

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated

BIDS WANTED

ST. JOHNS, Arizona.—Until June 1, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the St. Johns-Springerville Highway, NRH 60 (AFE No. 2624). The work, which is to begin at the highway junction about one-third of a mile south of the town of St. Johns and is to extend southerly about 10¾ miles, consists of grading and draining, placing select material, aggregate base course, and mineral aggregate, oil processing by the road mix method and is to be completed on or before November 30.

The principal items and approximate quantities are:

(1) 8500 cu. yds. roadway excavation;
(2) 26,600 cu. yds. select material;
(3) 51,100 cu. yds. mi. select material, haul;
(4) 2000 lin. ft. road guard (cable or steel plate);
(5) 164,000 sq. yds. scarifying and reshaping road surface;
(6) 14,700 cu. yds. of aggregate base course;
(7) 50,000 cu. yds. mi. do. haul;
(8) 11,700 cu. yds. mineral aggregate;
(9) 39,900 cu. yds. mi. do. haul;
(10) 221,300 gals. road oil;
(11) 130 tons cutback asphalt:
(12) 10.7 miles process road mix;
(13) 920 cu. yds. screenings;
(14) other items.

Funds have been programmed for the construction of this project in the amount of $98,873.91.

Plans and specifications obtainable from above office; T. S. O'Connell, State Highway Engineer.

BIDS WANTED

ARIZONA STATE. — Until June 1, at 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Holbrook-St. Johns Highway, NRH 78-E (AFE No. 2623). The work, which is to begin about 25 miles southeast of Holbrook and to extend southeast about 7.4 miles, consists of grading, draining and placing of select material, and is to be completed on or before December 31.

The principal items and approximate quantities are:

(1) 58,900 cu. yds. rdwy. excavation;
(2) 13,900 cu. yds. borrow excavation;
(3) 17,500 cu. yds. select material;
(4) 57,200 cu. yds. mi. select material, haul;
(5) 263 cu. yds. Class A concrete;
(6) 20,000 lbs. reinf. steel;
(7) 1002 lin. ft. CMP (various sizes);
(8) 80,000 lin. ft. line fence;
(9) 118 MBM treated timber;
(10) 10 MBM untreated timber;
(11) 4440 lin. ft. treated timber piles;
(12) Alt. item 133 MBM redwood timber;
(13) other items.

Funds have been programmed for the construction of this project in the amount of $96,819.66.

Plans and specifications obtainable from above office; T. S. O'Connell, State Highway Engineer.

AWARD RECOMMENDED

YAVAPAI and Coconino Counties, Ariz.—Geo. W. Orr, Bisbee, Arizona, at $40,475 submitted low bid and recommended for award by the United States Bureau of Public Roads, Phoenix, for placing subgrade reinforcement on 24.615 miles of Sections C, D, E, F, G, and H of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai and Coconino counties.

Complete bids follow:

Geo. W. Orr, Bisbee	$40,475
O. F. Fisher, Phoenix	54,125
Skousen Bros., Albuquerque	55,220
Engineer's estimate	48,100

Unit bids will be published shortly.

CONTRACT AWARDED

ST. HELENA, Cal.—F. F. Knipschild, St. Helena, at $0.0364 per gal. submitted low bid and awarded contract by the St. Helena City Council, E. R. Palmer, City Clerk, for furnishing oil and oiling certain streets to be designated by the City Council. The other bids were

Lee J. Immel, Berkeley	$0.0394
Albert Helwig, Sebastopol	.0389
Basalt Rock Co., Napa	.040

BIDS WANTED

WASHINGTON STATE—Until June 5, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for highway construction as follows:

Lincoln and Grant Counties—Surfacing

Surfacing with crushed stone on about 21.7 miles of the Grand Coulee Highway, Wilbur to Grand Coulee dam in Lincoln and Grant Counties, involving about 34,880 cu. yds. of crushed stone surfacing materials and other items.

Lewis & Pierce Counties—Bituminous Surfacing

Constructing a bituminous treated surface light on about 15.9 miles and a bituminous seal coat on about 34.4 miles of State Road No. 5, Mill Creek to Elbe and Kosmos to Packwood, Unit 2 of Federal Public Works Project No. 8003 in Lewis and Pierce counties, involving about 550 tons of bituminous cement (cutback asphalt R.C. and 1,055 barrels of bituminous cement (S.C. No. 2 road oil) and other items.

Grays Harbor and Mason Counties—Bituminous Mat

Constructing a bituminous mat by the bituminous macadam method on about 5.0 miles of State Road No. 9, Oakville to Gibson Creek, and on about 9.8 miles from junction of State Road No. 14 to Lilliwaup, Units 4 and 5 of Federal Public Works Project No. 7711, in Grays Harbor and Mason counties, involving about 1,159 tons of bituminous cement (cutback asphalt R.C. 4) and other items.

Mason, Jefferson and Kitsap Counties—Bituminous Seal Coat

Constructing a bituminous seal coat on about 32.7 miles of State Road No. 9, Lilliwaup to Wildwood Park in Mason & Jefferson counties and on about 10.3 miles of State Road No. 21, Chico Creek to Keyport, in Kitsap County, and constructing a bituminous treated surface light on about 22.6 miles of State Road No. 21, Keyport Junction to Port Gamble to Kingston, in Kitsap County, Unit 3 and part of Unit 6 of Federal Public Works Project No. 7711, involving about 592 tons of bituminous cement (cutback asphalt R.C. 4) and 2,615 barrels of bituminous cement (S. C. 2 road oil) and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

CONTRACT AWARDED

KING AND PIERCE COS., Wash.—Washington Asphalt Co., 17 W. Lander St., Seattle, at $122,233 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, May 15, for constructing a bituminous mat by the bituminous macadam method on about 30.7 miles of State Road No. 5, Enumclaw to Park Entrance, Unit 2 of FPW Project No. 6720, in King and Pierce Counties.

Hewett Judd Co., Seattle, at $129,292 submitted second low bid and Harold Blake, Seattle, at $133,693 submitted third low bid.

AWARD RECOMMENDED

TUOLUMNE COUNTY, Cal.—Award of a contract to Poulous & McEwen, 2522 14th St., Sacramento, at $9,060.10, for grading Section A of Route 83, the Pine Crest National Forest Highway, Stanislaus National Forest, Tuolumne County, has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

PLANS PREPARED

RICHMOND, Cal.—City Engineer E. A. Homan has prepared plans for re-

surfacing Macdonald Ave. from First to Twenty-third Sts. The work will be undertaken after car tracks have been removed and will be financed with the City's share of gasoline tax funds.

BIDS OPENED

EMERYVILLE, Alameda Co., Cal.—Peninsula Paving Co., Standard Oil Bldg., San Francisco, at $4780 submitted low bid to Emeryville City Council for widening, resurfacing, construction of new curbs and gutters on San Pedro Ave., between 38th and 36th Streets, Emeryville. Only other bid was submitted by the Ransome Company, Emeryville, at $4965.20. Bids held under advisement until May 21.

CONTRACT AWARDED

WALLA WALLA COUNTY, Wash. Standard Asph. Pav. Co., 603 Chronicle Bldg., Spokane, at $19,166 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, May 15, for constructing a bituminous mat by the road mix method with a non-skid seal coat on about 1.7 miles of State Road No. 3, Attalia Revision; constructing a bituminous non-skid seal coat on about 6.5 miles of State Road No. 3, Wallula to Oregon State Line, and on about 9.1 miles between Touchot and Vansycle Canyon, all in Walla Walla County.

Hewett Judd Co., Seattle, at $19,270 submitted the only other bid.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —Thomas J. Doyle, 1527 17th Ave., San Francisco, at $18,217 awarded contract by the constructing Quartermaster, Hamilton Field, for the construction of two auxiliary water storage tanks, 61x120 feet, at Hamilton Field. Complete bids published May 10.

CONTRACT AWARDED

VISALIA, Cal.—George Bigard, 317 N. E. Third St., Visalia, at $1.15 per bbl., awarded contract by the Visalia City Council for furnishing 700 bbls. 60-70 oil and spreading it on the Visalia Airport.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for treating shoulders with fuel oil on about 1.9 miles in Riverside County in the City of Elsinore. The work requires

(1) 990 bbls. fuel oil in place;
(2) 1.9 mi. preparing, mixing and shaping shoulders.

Plans and specifications obtainable from above office.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until May 28, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for treating shoulders with fuel oil on about 1.7 miles in Riverside County in the City of Perris. The work requires :

(1) 880 bbls. fuel oil in place;
(2) 1.7 mi. preparing, mixing and shaping shoulders.

Plans and specifications obtainabale from above office.

CONTRACT AWARDED

VALE, Oregon. — Morrison-Knudsen Co., Boise, Idaho, at $14,552 awarded contract by the U. S. Bureau of Reclamation, Vale, under Spec. No. 613-D, for the construction of the re-located county road around Agency Valley Reservoir, Vale, Oregon.

BIDS WANTED

OAKLAND, Cal.—Until June 7, 9 P. M., bids will be received by the Oakland City Council, City Hall, 12th and Washington Sts., for the improvement of Foothill Blvd. from Lakeshore Ave. to Second Ave., involving:

(1) 1009 cu. yds. excavation;
(2) 445 lin. ft. concrete curbs;
(3) 111 lin. ft. concrete curbs with steel guard;
(4) 1128 sq. ft. concrete gutters;
(5) 11,039 sq. ft. penetration macadam pavement;
(6) 1547 sq. ft. sidewalk.

Estimated cost $2900. Plans and specifications obtainable from above office.

BIDS WANTED

SAN FRANCISCO.—Until June 19, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the extension of landing field at the San Francisco Airport (Airport Contract No. 31). The work will be financed by part of the $260,000 PWA allotment secured by a bond issue in the amount November 7.

Plans and specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $10.00.

Complete description of the project will be published shortly.

CONTRACT AWARDED

KLICKITAT COUNTY, Wash. — Standard Asphalt Paving Co., 603 Chronicle Bldg., Spokane, at $29,473 awarded contract by the Washington State Highway Directors, Olympia, for constructing a bituminous mat on about 38.1 miles of State Road No. 8, Lyle to Goldendale, Klickitat County, U. S. P. W. Project 8033, under Schedule B. All bids for Schedule A were rejected.

CONTRACT AWARDED

SONOMA COUNTY, Cal.—Ransome Co., 4030 Hollis St., Emeryville, at $11-167 awarded contract by the State Highway Commission at Sacramento, for surfacing with crusher run base and applying bituminous surface treatment on about 0.83 mile in Sonoma County between Vineburg junction and the east boundary.

Complete bids published May 15.

FUEL OIL TREATMENT

VACAVILLE, Solano Co., Cal.—Basalt Rock Co., Napa, at $6,729 was awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 30.1 miles in Solano County between Vacaville and the north boundary, and between junction of State Highway Route 101 and Route 53 and 1¾ miles south of Dixon.

Basalt Rock Co. submitted second low bid. Complete bids published May

AWARD

FRESNO & Tulare Cos., Cal.—C. W. Wood, Box 1435, Stockton, and L. C. Pulley, 1209 Hoffman Avenue, Long Beach, at $36,818 awarded contract by State Highway Commission, Sacramento, for 87 miles of fuel oil treatment in Fresno and Tulare counties.

Complete bids published May 10.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—Morgan Bros., 5919 Maywood Ave., Huntington Park, at $8,950 awarded contract by the State Highway Commission, Sacramento, for treating with fuel oil about 47.3 miles in San Diego County between Bonsall and Rincon, and between Morettis and the north boundary of San Diego County.

Complete bids published May 17.

CONTRACT AWARDED

KERN COUNTY, Calif.—Contoules Const. Co., 1219 Hearst Bldg., San Francisco, at $106,883 awarded contract by the State Highway Commission, Sacramento, for grading 6.3 miles in Kern County between Haypress Canyon and Bear Mountain ranch.

Complete bids published May 17.

CONTRACT AWARDED

LOS ANGELES AND Orange Cos., Cal.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $234,247 (Alt. A) awarded contract by the State Highway Commission, Sacramento, for grading about 7.9 miles and paving portions with asphalt concrete in Los Angeles and Orange counties, on Manchester Ave. between Cerritos Ave., Downey, and Artesia Avenue, Buena Park.

Complete bids published May 18.

AWARD

LOS ANGELES CO., Calif.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $293,563 (Alt. A) awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 5.0 miles in Los Angeles County between Redondo Beach and Wilmington.

Complete bids published May 19.

NEW BIDS ASKED

LOS ANGELES, Cal.—Until June 6, 10 A. M., new bids will be received by the Los Angeles Board of Public Works for grading, paving and otherwise improving the streets in Kingman Ave. and Entrada Drive Imp. District, under cash contract, PWA Project No. 5646.

The work involves:

(1) 8119 cu. yds. excav. and 5810 cu. yds. fill;
(2) 90,408 sq. ft. asph. conc. pave., 6-in. thick (4-in. asph. conc. base, 2-in. asph. conc. wearing surf.);
(3) 1375 sq. ft. asph. conc. wearing surface, 4-in.;
(4) 240 sq. ft. asph. conc. wearing surface, variable thickness;
(5) 179 sq. ft. Class C resurfacing, 4-inch;
(6) 410 sq. ft. concrete sidewalk, 3-in. thick;
(7) 483 sq. ft. concrete sidewalk, 4-in. thick (driveways);
(8) 405 sq. ft. concrete sidewalk, 5-in. thick (driveways);
(9) 1310 lin. ft. unplastered light curb
(10) 3332 lin. ft. reinf. integral curb with concrete gutter 1-ft. wide;
(11) 1386 lin. ft. concrete gutter, 6-in. thick;
(12) sanitary sewer, complete;
(13) 460 lin. ft. 6-in. house conn. sewers (9-ft. deep);
(14) reconstruct ornamental light system, complete;
(15) 1449 sq. ft. white concrete traffic line, 6-in. thick, consisting of white concrete, 2-in. thick, on asph. conc. base, 4-in. thick;
(16) 2 manholes to be reset.

Specifications obtainable from above office.

Bids on this project were previously opened April 19 and rejected April 25. The low bid at that time was submitted by O'Neal & Son, 8677 W. Pico Blvd., Los Angeles, at $20,449.96.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

GRAND COULEE — U. S. Construction Railroad — (Govt.)

GRAND COULEE, Wash.—As previously reported, L. Coluccio & Co., 103 Securities Bldg., Seattle, at $232,-425 submitted low bid May 17 to the U. S. Bureau of Reclamation, care of the Columbia Basin Commission, Civic Bldg., Spokane, for the completion of the United States Construction Railroad at the Grand Coulee Dam, Columbia Basin Project, Wash.

The work consists of laying about 30 miles of single track railroad from Odair, a siding on the Northern Pacific Railroad about two miles northeast of Coulee City, to the Grand Coulee dam site on the Columbia river, and includes construction of a delivery yard at Odair, a siding at the head of Grand Coulee, and laying and ballasting a single track railroad from the head of Grand Coulee to the Grand Coulee dam site, and a siding near the dam site.

(A) L. Coluccio & Co., Seattle, $232,-425.00.
(B) David H. Ryan, Grand Coulee Dam, Wash., $235,570.00.
(C) Crick & Kuney, Spokane, $247,-710.00.

Total bids follow:
(D) Foley & Lawler, Butte, Montana, $251,040.00.
(E) Meyers & Goulter, Seattle, $258,-387.50.
(F) Cliffton Applegate, Spokane, $276-045.00.
(G) Winston Bros., Seattle and Minneapolis, $279,574.00.
(H) Guthrie McDougal, Portland, $289-947.50.
(I) P. L. Crooks & Co., Portland, $307-965.00.
(J) Morrison-Knudsen, Spokane, $313,-680.00.
(K) Sharp & Fellows, Los Angeles, $342,710.00.
(L) L. Romano Engr. Corp., Seattle, $358,900.00.

Unit items follow:
(1) 445,000 cu. yds. excav. for roadbed, common;
(2) 50,000 cu. yds. excav. for roadbed, rock;
(3) 850,000 sta. cu. yds. overhaul;
(4) 800 cu. yds. excav. for structures, common;
(5) 500 cu. yds. excav. for structures, rock;
(6) 2500 cu. yds. backfill about struc.
(7) 600 cu. yds. concrete;
(8) 30,000 lbs. placing reinforcement bars;
(9) 1200 sq. yds. dry-rock paving;
(10) 100 lin. ft. laying 18-in. diameter corrugated metal pipe;
(11) 550 lin. ft. laying 24-in. do;
(12) 1900 lin. ft. laying 36-in. do;
(13) 1500 lin. ft. laying 48-in. do;
(14) 200 lin. ft. laying 60-in. do;
(15) 50 M. ft. B. M. erecting timber in bridges or trestles;
(16) 1800 lin. ft. driving piles;
(17) 60 miles constructing right-of-way fence;
(18) 40 gates constructing right-of-way gates;
(19) 30 guards constructing cattle guards;
(20) 28 M. ft. B. M. constructing highway crossings;
(21) 75 signs erecting highway crossing signs;
(22) 34.5 track miles laying ties and track;
(23) 5000 each applying rail anchors;
(24) 17 turnouts installing turnouts;
(25) 50,000 cu. yds. ballasting.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)....	$ .21	$ .18	$ .22	$ .19	$ .28	$ .27	$ .19	$ .26	$ .32	$ .24	$ .23	$ .30
(2)....	.90	.60	1.00	.70	.70	.70	.90	.90	.80	.50	.90	1.00
(3)....	.015	.01	.03	.01	.01	.02	.02	.015	.01	.01	.007	.0025
(4)....	.60	.50	.50	.50	.50	.60	.60	.70	1.00	.60	1.00	1.00
(5)....	3.00	1.50	1.00	1.00	1.00	2.00	1.90	1.25	2.50	1.60	5.00	2.00
(6)....	.40	.40	.30	.25	.25	.30	.34	.30	.40	.50	.50	.20
(7)....	18.00	15.00	17.00	20.00	15.00	18.00	15.00	18.50	15.00	20.00	20.00	20.00
(8)....	.02	.02	.015	.02	.03	.02	.02	.02	.03	.02	.02	.02
(9)....	4.00	1.50	1.00	4.00	2.00	2.00	1.50	2.00	2.00	2.00	2.00	1.00
(10)....	.30	.50	.20	.40	.50	.60	.30	.65	1.00	.30	.30	1.00
(11)....	.40	.50	.30	.50	.75	.60	.40	.85	1.30	.40	.40	1.00
(12)....	.55	.60	.50	.70	1.00	.60	.60	1.25	1.60	.60	.60	1.50
(13)....	.70	1.00	.80	.90	2.00	1.00	.75	1.75	2.00	.90	.80	2.50
(14)....	.90	2.00	1.00	1.25	4.00	1.50	1.00	2.30	3.00	1.40	2.50	3.50
(15)....	20.00	30.00	25.00	25.00	25.00	30.00	30.00	30.00	40.00	30.00	48.00	50.00
(16)....	.50	1.50	2.00	.60	.50	1.50	.75	1.00	1.50	.85	1.25	1.00
(17)....	150.00	200.00	1.25	150.00	100.00	110.00	150.00	200.00	200.00	160.00	225.00	150.00
(18)....	15.00	5.00	7.00	8.00	10.00	15.00	20.00	6.00	10.00	12.00	20.00	20.00
(19)....	20.00	20.00	7.00	15.00	25.00	25.00	20.00	35.00	20.00	10.00	35.00	15.00
(20)....	15.00	10.00	15.00	15.00	25.00	20.00	18.00	25.00	20.00	20.00	75.00	50.00
(21)....	10.00	5.00	7.00	2.00	5.00	5.00	5.00	4.00	4.00	4.00	3.00	10.00
(22)....	1400.00	1300.00	1320.00	1800.00	1400.00	1400.00	2200.00	1800.00	1700.00	2000.00	2350.00	1600.00
(23)....	.15	.05	.10	.05	.08	.05	.05	.05	.05	.05	.10	.10
(24)....	150.00	100.00	150.00	100.00	125.00	100.00	150.00	140.00	100.00	130.00	200.00	150.00
(25)....	.70	1.25	1.00	1.10	.80	1.10	1.30	1.05	1.00	1.80	1.95	2.50

All bids held under advisement.

MATERIALS TO BE FURNISHED BY THE GOVERNMENT

The Government will furnish cement for use in concrete; diatomaceous silica or other powdered admixtures, if required, for use in concrete; reinforcement bars; corrugated metal pipe and connecting bands for culverts; piles; pile point shoes; lumber for bridges, trestles, road crossings, fence braces, and cattle guards; crossing signs; galvanized iron and No. 8 double-headed nails for fire decks on bridges or trestles; bolts including anchor bolts, washers, packing washers, drift pins, lag screws, spikes and nails, twenty-penny or larger, to be used in the completed structures; oil for rail joints; ties; rails; angle bars; rail anchors; tie plates; track spikes; bolts; nut locks; switch ties and switches, complete; posts, wire, stays, and staples for fences. All materials furnished by the Government will be delivered to the contractors f.o.b. cars at Odair, Washington.

MATERIALS TO BS FURNISHED BY THE CONTRACTOR

The contractor will be required to furnish all form materials; all lumber required for strutting corrugated metal pipe; all bolts, spikes, or nails for forms, and all spikes or nails less than twenty-penny in size to be used in the completed structures; all wire and wire ties used for holding forms and for securing reinforcement bars; all sand and broken rock or gravel for concrete; all rock for dry-rock paving; all ballasting materials for the roadbed; all backfill materials; and all water used for mixing, cleaning, and curing concrete.

The contractor shall begin work within 15 calendar days after date of receipt of notice to proceed and shall complete all of the work within 180 calendar days from the date of receipt of such notice.

Copies of the standard forms and of the specifications may be obtained from the office of the Bureau of Reclamation at Almira, Washington; Denver, Colorado, or Washington, D. C., without charge to prospective bidders; to others, $1, not returnable.

ALAMEDA & CONTRA COSTA COS—Broadway Tunnel

OAKLAND, Calif.—The Six Companies of California, 155 Sansome St., San Francisco, at $3,683,931.25 submitted low bid to the Board of Directors of Joint Highway District No. 13, Wallace Boggs, Chief Engineer, 1448 Webster St., Oakland, for the construction of a highway tunnel and roadway approaches from Broadway and Keith Avenue in Oakland to a point on the State Highway in Contra Costa County, approximately 1,400 ft. northerly from the Fish Ranch Road, being partly in the City of Oakland and partly in Contra Costa County.

Structures and tunnels included in the general contract are:

HIGHWAY TUNNELS: Twin bores parallel throughout most of their entire length and brought together at the portals. The average length between the portal buildings is 2910 feet; 22-ft. concrete roadway; 3-ft. sidewalk; air conduits at three points; average concrete thickness throughout varies from 2- to 5-feet; transverse type ventilation. Tunnel walls will be drained with terra cotta and 3-in. cast iron drains.

PORTAL BUILDINGS: Each will be 44x10 ft. and 85 ft. high, of reinforced concrete and steel construction. There will also be two light control structures.

GOLDEN GATE Ave. and Overhead Structure: Is a reinf. concrete bridge with three spans and a total length of 146 ft., 44 ft. of roadway and two 5-ft. sidewalks.

LANDVALE OVERHEAD: Is a 3-span deck bridge of steel girder, reinforced concrete deck, columns and abutments; 140-ft. long, 44-ft. roadway and two 5-ft. sidewalks.

LANDVALE VIADUCT: Is a continuation of the Landvale overhead and is a trapezoidal-shaped structure, three-span, full roadway width viaduct followed by nine 30-ft. spans of half roadway width, side hill viaduct, 360-ft. long, of reinforced concrete construction.

SACRAMENTO NORTHERN Railway Grade Separation: Consists of two structures, one a highway underpass 117 ft. long and a 12x14 ft. opening, the other a railway underpass 144-ft. long 19x25 ft. opening, single track, reinforced concrete construction.

The total estimated quantities follow:

(1) 763,000 cu. yds. grading;
(2) 8,100,000 sta. yds. overhaul;
(3) 44,000 cu. yds. Class A struc. excavation;
(4) 1,000 cu. yds. Class B do;
(5) 362,000 sq. ft. shoulders;
(6) 4,420,000 lbs. reinf. steel;
(7) 445,000 lbs. struc. steel;
(8) 12,150 cu. yds. Class A concrete (structures);
(9) 3,200 cu. yds. Class B do;
(10) 37,700 sq. ft. 8-in. Portland cem. concrete pavement;
(11) 30,400 sq. ft. 6-in. do;
(12) 44,000 sq. ft. asph. conc.;
(13) 724,000 sq. ft. penetration oil macadam pavement;
(14) 2,725 lin. ft. 6-in. concrete curbs;
(15) 945 lin. ft. 12-in. do;
(16) 46 lin. ft. 6-in. conc. curb with guard;
(17) 4,300 sq. ft. concrete gutters;
(18) 21,000 sq. ft. cement sidewalks;
(19) 15 fill protectors (each);
(20) 1,470 lin. ft. 8-in. CMP culvert;
(21) 210 lin. ft. 12-in. do;
(22) 3,300 lin. ft. 18-in. do;
(23) 340 lin. ft. 10-in. "S" reinf. conc. pipe culvert;
(24) 750 lin. ft. 12-in. do;
(25) 430 lin. ft. 15-in. do;
(26) 85 lin. ft. 18-in. do;
(27) 1,470 lin. ft. 24-in., "X" do;
(28) 680 lin. ft. 36-in. "X" do;
(29) 190 lin. ft. 6-in. vit. pipe sewers;
(30) 415 lin. ft. 8-in. do;
(31) 10 each manholes (standard top);
(32) 5 each manholes (inlet tops);
(33) 4 each manholes (grating tops);
(34) 1 storm water inlet, 34-in. opening;
(35) 10 each storm water inlets "B";
(36) 12 each storm water inlets "C";
(37) 1 lamphole, 6-in.;
(38) 1 lamphole, 8-in.;
(39) 3 each lampholes, 12-in.;
(40) 1 handhole;
(41) 4,100 lin. ft. 8-in. perforated CMP underdrains;
(42) 2,020 lin. ft. 6-in. cast iron piping;
(43) 12,400 lin. ft. guard rail;
(44) 640 lin. ft. pipe hand rail;
(45) 220 cu. yds. riprap;
(46) 46,000 lbs. metal cribbing;
(47) 330 cu. yds. stone or gravel for foundations;
(48) 5,620 lin. ft. tunnel construction, Type A;
(49) 200 lin. ft. do, Type B;
(50) 322 lin. ft. cross adits;
(51) lump sum, ventilation buildings, West Bldg. & East Bldg., complete;
(52) lump sum, ventilation equipment, furnishing and installing complete;
(53) lump sum, mechanical equipment furnishing and installing complete;
(54) lump sum, electrical equipment, furnishing and installing complete;
(55) lump sum, carbon monoxide detectors and recorders, furnishing and installing, complete.

Total bids follow:

(A) The Six Companies of California, 155 Sansome St., San Francisco, $3,683,931.25.

(B) Frazier - Davis Const. Co., 1319 Macklind Ave., St. Louis, and G. L. Tarlton, 1406 Ambasador Bldg., St. Louis, $4,394,613.00.

(C) Silas Mason, 500 Fifth Ave., New York City, $4,482,498.00.

(D) Engineer's estimate, $3,578,112.75.

The Six Companies of California is composed of the following general contractors: W. A. Bechtel Co., Inc., 155 Sansome St., San Francisco; H. J. Kaiser Co., 1522 Latham Square Bldg., Oakland; Utah Const. Co., 1 Montgomery St., San Francisco; MacDonald & Kahn, Ltd., Financial Center Bldg., San Francisco; J. F. Shea Co., Henry Bldg., Portland; Morrison-Knudsen Co., Old National Bank Bldg. Boise, Idaho. The officers of Six Companies of California are: S. D. Bechtel, President; Frank Modglin, Vice-President; Edgar F. Kaiser, Secretary and L. S. Corey, Treasurer.

	UNIT BIDS			EXTENSIONS			
	(A)	(B)	(C)	(A)	(B)	(C)	(D)
(1)..	$ .33	$ .34	$ .30	$ 251,790.00	$ 259,420.00	$ 228,900.00	$ 228,900.00
(2)..	.005	.005	.005	40,500.00	40,500.00	40,500.00	40,500.00
(3)..	1.20	2.00	1.75	52,800.00	88,000.00	77,000.00	63,800.00
(4)..	2.00	2.00	2.50	2,000.00	2,000.00	2,500.00	2,200.00
(5)..	.035	.025	.05	12,670.00	9,050.00	18,100.00	7,240.00
(6)..	.04	.044	.04	176,800.00	194,480.00	176,800.00	198,900.00
(7)..	.05	.055	.048	22,250.00	24,475.00	21,360.00	22,250.00
(8)..	15.50	14.50	16.50	188,325.00	176,175.00	200,475.00	182,250.00
(9)..	14.50	14.25	16.50	46,400.00	45,600.00	52,800.00	44,800.00
(10)..	.24	.23	.21	9,048.00	8,671.00	7,917.00	6,786.00
(11)..	.18	.175	.16	5,472.00	5,320.00	4,864.00	4,560.00
(12)..	.08	.10	.07	3,520.00	4,400.00	3,080.00	3,520.00
(13)..	.14	.115	.125	101,360.00	83,260.00	90,700.00	86,880.00
(14)..	.52	.65	.25	1,417.00	1,771.25	681.25	1,635.00
(15)..	.80	1.00	.40	750.00	945.00	378.00	945.00
(16)..	1.00	1.50	1.00	46.00	69.00	46.00	46.00
(17)..	.25	.25	.30	1,075.00	1,075.00	1,290.00	774.00
(18)..	.13	.15	.15	2,730.00	2,150.00	3,150.00	3,360.00
(19)..	13.00	14.00	15.00	285.00	210.00	225.00	150.00
(20)..	1.30	1.25	1.50	1,911.00	1,837.50	2,205.00	1,470.00
(21)..	2.00	2.25	2.25	420.00	472.50	472.50	262.50
(22)..	3.00	2.80	3.00	9,900.00	9,240.00	9,900.00	8,250.00
(23)..	1.20	1.30	1.50	408.00	442.00	510.00	425.00
(24)..	1.50	1.50	1.75	1,125.00	1,125.00	1,312.60	1,125.00
(25)..	1.80	1.80	2.00	774.00	774.00	860.00	860.00
(26)..	2.00	2.10	2.60	170.00	178.00	212.50	255.00
(27)..	4.40	4.00	5.00	6,468.00	5,880.00	7,350.00	5,880.00
(28)..	8.50	9.00	8.50	5,780.00	6,120.00	5,780.00	4,080.00
(29)..	1.00	1.00	.60	190.00	190.00	114.00	133.00
(30)..	1.20	1.10	.75	498.00	456.50	311.25	311.25
(31)..	90.00	75.00	75.00	900.00	750.00	750.00	600.00
(32)..	100.00	75.00	75.00	500.00	375.00	375.00	300.00
(33)..	90.00	75.00	75.00	360.00	300.00	300.00	240.00
(34)..	75.00	75.00	75.00	75.00	75.00	75.00	60.00
(35)..	100.00	60.00	100.00	1,000.00	600.00	1,000.00	600.00
(36)..	80.00	50.00	75.00	960.00	600.00	900.00	720.00
(37)..	24.00	27.75	25.00	24.00	27.75	25.00	20.00
(38)..	26.00	30.00	25.00	26.00	30.00	25.00	20.00
(39)..	36.00	30.00	50.00	108.00	90.00	150.00	60.00
(40)..	30.00	20.00	50.00	30.00	20.00	50.00	20.00
(41)..	1.40	1.75	1.50	5,740.00	7,175.00	6,150.00	5,125.00
(42)..	1.50	1.30	1.20	3,030.00	2,626.00	2,424.00	4,040.00
(43)..	.80	.80	.75	9,920.00	9,920.00	9,300.00	8,060.00
(44)..	3.00	2.50	2.00	1,920.00	1,600.0	1,280.00	1,280.00
(45)..	5.00	3.00	7.50	1,100.00	660.00	1,650.00	2,200.00
(46)..	.13	.15	.125	5,980.00	6,900.00	5,750.00	5,750.00
(47)..	3.00	2.90	4.00	990.00	957.00	1,320.00	1,650.00
(48)..	325.00	465.00	475.00	1,826,500.00	2,613,300.00	2,669,500.00	1,910,800.00
(49)..	400.00	560.00	570.00	80,000.00	112,000.00	114,000.00	100,000.00
(50)..	40.00	60.00	40.00	12,880.00	19,320.00	12,880.00	8,050.00
(51)..	.....	.....	.....	340,000.00	250,000.00	274,000.00	261,000.00
(52)..	.....	.....	.....	160,000.00	130,000.00	143,000.00	108,250.00
(53)..	.....	.....	.....	60,000.00	50,000.00	58,000.00	34,000.00
(54)..	.....	.....	.....	210,000.00	200,000.00	204,000.00	186,120.00
(55)..	.....	.....	.....	15,000.00	12,000.00	16,000.00	16,500.00

Local Administrative Committee No. 2 (District 1, Region 12, Electrical Contractors Code Authority) 354 Hobart St., Oakland, announced bids submitted on sub-contract for electrical work on the Broadway Tunnel, as follows:

Alta Electric & Mechanical Co., Inc., 467 O'Farrell St., San Francisco, $194,562.

Victor Lemoge, San Francisco, $195,-188.

NePage-McKenny Co., San Francisco, $196,387.

C. C. Moore Co., San Francisco, $209,000.

Central Electric Co., San Francisco, $212,400.

H. S. Tittle Co., San Francisco, $214,-350.

Chas. Langlais, San Francisco, $218,-410.

All bids were taken under advisement until May 25, 10 A. M., and referred to the U. S. Bureau of Public Roads, C. H. Sweetser, District Engineer, and to A. D. Wilder, State PWA Engineer.

LOS ANGELES CO.—Paving Five Miles—(State)

LOS ANGELES CO., Cal.—United Concrete Pipe Corp., Box 1, Station H, Los Angeles, at $293,563.25 (Alt. A) and $309,651.25 (Alt. B) submitted low bid to the State Highway Commission, Room 706 State Bldg., Los Angeles, for grading and paving with asphalt concrete and Portland cement concrete about 5.0 miles in Los Angeles county between Redondo Beach and Wilmington.

Complete total bids follow:

(A) United Concrete Pipe Corp., Los Angeles, (Alt. A) $293,563.25; (Alt. B) $309,651.25.

(B) Basich Bros., Torrance, $301,809.-20; $317,297.70.

(C) J. L. McClain, Los Angeles, $303,-661.30; $316,360.80.

(D) Sully - Miller Contr. Co., Long Beach, and Kovacevich & Price, Southgate, $305,505.30; $321,161.70.

(E) Griffith Co., Los Angeles, $319,-235.50; $336,223.20.

(F) Sharp & Fellows Contr. Co., Los Angeles, $320,271.30; $333,161.60.

(G) Oswald Bros., Los Angeles, $324,-429.80; $338,749.30.

(H) Jahn & Bressi, Los Angeles, $380,-339.90; $338,674.00.

(I) Union Paving Co., San Francisco, $334,828.00; $349,818.50.

(J) Sander Pearson, Santa Monica, & Mundo Engr. Co., Los Angeles, $358,643.00; $377,060.50.

Quantities were:

(1) 262 stations clear and grub right of way;
(2) 181,000 cu. yds. rdwy. excav., unclassified;
(3) 7,950,000 sta. yds. overhaul;
(4) 2,000 cu. yds. struc. excav.;
(5) 111,000 sq. yds. subgrade for pave.
(6) 6,900 sq. yds. asph. paint binder;
(7) 3,050 tons asph. conc., exclusive of central 20-ft. width from Sta. 76 plus 00 to Station 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;
(8) 13,500 cu. yds. Class A Port. cem. conc. pave. exclusive of central 20-ft. width from Sta. 76 plus 00 to Sta. 210 plus 30 and from Sta. 225 plus 50 to Sta. 271 plus 15;
(9) 866,700 lbs. bar reinf. steel pave. exclusive of central 20-ft. do;
(10) 2,725 cu. yds. Class A Port. cem. conc. curbs, guttera and sidewalks;
(11) 610 cu. yds. Class A Port. cem. conc. strucs.;
(12) 64,000 lbs. bar reinf. steel struc.;
(13) 34,000 lbs. misc. iron and steel structures;
(14) 420 lin. ft. 24-in. CMP;
(15) 1,100 cu. ysd. existing pavement, curbs and sidewalks to be removed;
(16) 2,400 M. gals. water;
(17) 4,350 barrels heavy fuel oil;
(18) 90,500 sq. yds. shoulders to be prepared, mixed and shaped;
(19) 32 each culvert markers;
(20) 262 stations finishing roadway.

ALTERNATIVE ITEMS

Central 20-ft. strip Station 76 plus 00 to Sta. 210 plus 30 and Sta. 225 plus 50 to Sta. 271 plus 15.

ALTERNATE A

(1) 16,050 tons asphalt concrete;
(2) 102 tons asph. road oil, seal coat;

ALTERNATE B

(1) 7,240 cu. yds. Class A Port. cem. conc. pave.;
(2) 208,300 lbs. bar reinf. steel pave.;
(3) 155 tons asph. road oil, seal coat.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$20.00	$ 3.50	$ 9.00	$ 6.50	$12.00	$4.00	$3.50	$5.00	$2.50	$10.00
(2)	.195	.14	.22	.22	.20	.21	.255	.25	.20	.30
(3)	.0017	.0015	.0018	.002	.003	.002	.002	.0025	.0025	.004
(4)	.70	.65	.75	.90	.50	.70	.75	1.00	1.00	.75
(5)	.09	.07	.10	.08	.10	.08	.07	.10	.06	.10
(6)	.02	.02	.01	.04	.01	.02	.02	.03	.01	.02
(7)	3.04	4.00	3.25	3.35	3.00	3.37	3.35	2.95	3.25	3.35
(8)	7.05	8.25	7.50	7.52	7.88	8.09	7.97	7.10	8.40	8.40
(9)	.05	.046	.049	.044	.045	.034	.044	.042	.055	.05
(10)	9.15	13.00	10.00	12.00	10.50	12.00	12.00	15.00	13.50	13.00
(11)	16.00	16.00	14.00	15.00	20.00	17.50	16.50	20.00	18.00	18.00
(12)	.06	.04	.045	.0375	.045	.04	.04	.042	.05	.05
(13)	.10	.08	.10	.078	.08	.08	.085	.10	.08	.12
(14)	2.60	2.40	2.50	2.30	2.30	2.25	2.30	2.35	2.50	2.50
(15)	1.50	2.00	.90	.60	1.00	1.00	1.25	2.50	3.00	1.50
(16)	.40	.35	.50	.40	1.15	1.50	1.00	.50	1.00	.70
(17)	1.50	1.00	1.20	1.25	1.15	1.30	1.35	1.30	1.30	1.30
(18)	.055	.05	.04	.04	.05	.04	.03	.025	.05	.05
(19)	3.00	2.00	2.00	3.00	2.50	1.50	1.75	3.00	2.00	2.00
(20)	5.00	4.00	2.00	4.00	10.00	5.00	2.25	8.00	5.00	5.00
					ALTERNATIVE A					
(1)	$ 2.78	$ 3.00	$ 3.05	$ 3.00	2.86	3.37	3.35	2.95	3.25	3.35
(2)	20.00	13.00	16.50	16.00	16.00	25.00	23.00	20.00	17.00	18.00
					ALTERNATIVE B					
(1)	$ 6.80	$ 7.40	$ 7.10	$ 7.43	7.33	8.09	7.97	7.10	8.00	8.40
(2)	.05	.045	.045	.044	.045	.034	.044	.045	.04	.05
(3)	20.00	13.00	16.50	16.00	16.00	25.00	23.00	20.00	17.00	18.00

NOTE: Alternative A sets forth the necessary items for the construction of the central 20-foot width of pavement from Station 76 plus 00 to Station 210 plus 30 and Station 225 plus 50 to Station 271 plus 15 with asphalt concrete.

Alternative B sets forth the necessary items for paving the same areas with Portland cement concrete.

COMPLETE BID LISTING

COCONINO COUNTY, Arizona—New Mexico Const. Co., P. O. Box 592, Albuquerque, N. M., at $125,109.60, as previously reported, submitted low bid and recommended for award by the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, May 8 for placing a bituminous treated crushed rock surfacing on Section H of Grand Canyon Route 1, all of Grand Canyon Rte 10, and Sections A, B, and C of the Cameron Desert View Approcah to Grand Canyon National Park, Coconino County, a length of 17.546 miles.

Total bids follow:

(A) New Mexico Const. Co., $125,109.60
(B) Geo. Herz & Co., San Bernardino $128,854.35.
(C) Central States Contr. Co., Oakland, $142,424.60.
(D) Pleasant-Hasler Const. Co., Phoenix, $186,686.30.
(E) Engineer's estimate, $111,139.75.

Unit quantities follow:

(1) 80 cu. yds. unclass. excavation for structures;
(2) 59 cu. yds. masonry;
(3) 8800 tons crushed rock for shoulders;
(4) 345 tons supplemental do;
(5) 27,990 tons bituminous treated crushed rock;
(6) 1,950 tons supplemental do;
(7) 317 tons apply Govt. furnished asphaltic material prime coat;
(8) 86 tons do seal coat;
(9) extra work, sanding seal coat.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 0.80	$ 2.00	$ 2.00	$ 1.50	$ 1.50
(2)	25.00	25.00	40.00	25.00	25.00
(3)	2.00	2.63	1.75	1.50	2.00
(4)	1.70	2.23	1.60	1.50	1.75
(5)	3.50	3.25	4.00	5.72	3.00
(6)	2.50	2.85	3.75	4.00	2.00
(7)	4.70	15.00	10.00	7.00	7.00
(8)	4.70	16.00	10.00	7.00	7.00
(9)	650.00	650.00	650.00	650.00	650.00

COMPLETE BIDS

DOUGLAS, Arizona—H. L. Royden, 14 N. 12th St., Phoenix, at $11,768 (as previously reported), submitted low bid to Arizona State Highway Commission, Phoenix, May 11, for widening the existing pavement and placing curbs and gutters on about 0.6 mi. of "A" Avenue, in the City of Douglas on the Benson-Douglas Highway, involving:

(1) 1300 cu. yds. road excavation;
(2) 1000 cu. yds. aggreg. base course;
(3) 900 tons aggreg. pavement;
(4) 80 tons emulsified asph.;
(5) 3800 lin. ft. concrete curb.

The total bids were:

(A) H. L. Royden, $11,768.20.
(B) Pleasant - Hasler Constr. Co., Phoenix, $13,084.50.
(C) Borderland Constr. Co., $13,203.75.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 1.00	$ .80	$ 1.25
(2)	1.25	2.00	1.75
(3)	3.50	3.50	3.25
(4)	30.00	30.00	35.00
(5)	.90	1.10	1.00

MARIN COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $6,-605.63 submitted low bid and awarded contract by the Marin County Board of Supervisors, San Rafael, for improvement of various county roads, a total length of 4.9 miles.

Complete bids follow:

(A) E. A. Forde, San Anselmo, $6,-605.63.
(B) Lee J. Immel, Berkeley, $6912.90.

Unit bids follow:

242 bbls. light oil (A) $1.64; (B) $2.10.
117 tons heavy oil (A) $16; (B) $17.
1051 tons crushed rock (A) $2.65; (B) $2.70.
525 tons screenings (A) $2.75; (B) $3.00

SACRAMENTO CO—Lower Marysville Rd Trestle—(County)

SACRAMENTO CO., Cal.—Campbell Const. Co., 800 R St., Sacramento, at $11,561.40 submitted the low bid to the Sacramento County Board of Supervisors, Sacramento Court House, for constructing a redwood trestle 284 lin. ft. long with concrete deck on the Lower Marysville road, 1½ miles north of Sacramento. The work involves:

(1) 49,552 F.B.M. dense select all heart struc. redwood stringers and bridging;
(2) 5628 F.B.M. select all heart struc. redwood caps;
(3) 5220 F.B.M. select all heart struc. redwood bracing, etc.;
(4) 9754 F.B.M. select all heart struc. redwood posts, railings, guard-rails, etc.;
(5) 7240 sq. ft. all heart structural redwood sub-floor;
(6) 2898 lin. ft. redwood piling;
(7) 145 cu. yds. conc. in deck slab;
(8) 21.7 cu. yds. conc. in abutments;
(9) 18,700 lbs. reinf. steel;
(10) 50 cu. yds. structure excav.;
(11) Lump sum, removal of old struc. detour, etc.

Total bids follow:

(A) Campbell Const. Co., $11,561.40.
(B) Lord & Bishop, Sacramento, $12,312.80.
(C) P. F. Bender, Sacramento, $12,784.73.
(D) Bundesen & Lauritzen, Pittsburg, $12,915.00.
(E) F. O. Bohnett, Campbell, $14,748.62.
(F) Alfred H. Vogt Co., San Francisco, $15,153.58.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 75.35	$ 75.00	$ 76.00	$ 73.00	$ 75.00	$ 82.00
(2)	79.00	75.00	70.00	72.00	80.00	80.00
(3)	85.00	85.00	80.00	125.00	100.00	90.00
(4)	104.00	100.00	90.50	100.00	120.00	130.00
(5)	57.00	50.00	48.50	60.00	55.00	72.00
(6)	.79	.95	1.20	1.09	1.25	1.40
(7)	8.85	12.00	9.70	9.95	11.00	12.00
(8)	12.00	15.00	13.00	13.95	18.00	20.00
(9)	.045	.048	.05	.045	.05	.055
(10)	1.50	1.50	1.00	2.00	1.00	2.00
(11)	350.00	250.00	500.00	550.00	1500.00	500.00

SAN LUIS OBISPO CO. — 3.2 Mi. Grade and Surf.—(State)

SAN LUIS OBISPO CO., Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $78,846 submitted low bid to the State Highway Commission Sacramento, for grading 3.2 miels and surfacing portions with selected material in San Luis Obispo County between six miles east of Morrow and Atascadero Summit. The work involves:

(1) 15 acres clear and grub right of way;
(2) 142,000 cu. yds. rdwy. excav., unclass.;
(3) 307,000 sta. yds. overhaul;
(4) 2,600 cu. yds. struc. excav.;
(5) 4,600 cu. yds. selected material;
(6) 15,500 ml. yds. haul on do;
(7) 490 cu. yds. Class A Port. cement concrete struc.;
(8) 47,000 lbs. bar reinf. steel, srtuc.;
(9) 268 lin. ft. 8-in. CMP;
(10) 482 lin. ft. 18-in. do;
(11) 564 lin. ft. 24-in. do;
(12) 44 lin. ft. 30-in. do;
(13) 88 lin. ft. 36-in. do;
(14) 92 lin. ft. 42-in. do;
(15) 174 lin. ft. 48-in. do;
(16) 146 lin. ft. 60-in. do;
(17) 70 lin. ft. 66-in. do;
(18) 86 lin. ft. 90-in. do;
(19) 94 lin. ft. 120-in. multi plate metal pipe;
(20) 17 each spillway assemblies;
(21) 360 cu. yds. rubble masonry;
(22) 20 sq. yds. paved inlet aprons;
(23) 6.6 miles new property fence;
(24) 30 each fence gates;
(25) 1,200 M. gals. water;
(26) 171 stations finishing roadway;
(27) 115 each monuments complete in place.

Total bids follow:

(A) Union Paving Co., San Francisco, $78,846.00.
(B) Chas. L. Harney, San Francisco, $91,785.50.
(C) R. E. Campbell, Long Beach, $92-758.80.
(D) Sharp & Fellows Contr. Co., Los Angeles, $99,687.10.
(E) Biasotti, Willard & Biasotti, Stockton, $103,031.60.
(F) Dimmitt & Taylor, Los Angeles, $107,691.00.
(G) B. G. Carroll, San Diego, $108,382.06.
(H) Peninsula Paving Co., San Francisco, $125,947.65.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$230.00	$200.00	$234.00	$200.00	$400.00	$250.00	$200.00	$435.00
(2)	.21	.31	.30	.37	.36	.40	.41	.45
(3)	.005	.005	.005	.007	.01	.005	.0075	.025
(4)	1.35	1.00	1.00	1.00	1.00	1.00	1.00	1.25
(5)	.50	.40	.28	.37	.30	.60	.32	.60
(6)	.10	.15	.24	.10	.15	.15	.10	.115
(7)	17.00	18.00	25.00	20.90	17.00	20.00	23.50	21.00
(8)	.05	.05	.05	.04	.05	.06	.045	.05
(9)	1.00	1.00	1.05	.80	1.00	1.00	.82	1.05
(10)	2.00	2.00	1.80	2.00	1.80	2.00	1.70	1.70
(11)	3.00	3.00	2.50	2.30	3.00	3.00	2.60	2.60
(12)	4.00	4.00	3.00	3.00	3.50	4.00	3.30	3.25
(13)	6.00	5.00	5.00	4.50	5.00	7.00	5.00	5.15
(14)	8.00	8.00	7.00	6.50	8.00	8.50	7.10	7.30
(15)	10.00	9.00	8.25	7.50	9.00	10.00	8.55	9.10
(16)	12.00	11.50	11.30	10.50	11.00	13.00	11.00	11.50
(17)	15.00	12.50	12.85	11.50	13.00	15.00	12.00	12.95
(18)	30.00	22.00	23.00	20.00	24.00	25.00	21.20	22.90
(19)	40.00	40.00	36.00	36.00	40.00	40.00	37.55	37.70
(20)	15.00	15.00	12.00	12.50	15.00	15.00	15.00	12.65
(21)	12.00	12.00	9.00	12.00	14.50	7.00	11.50	11.10
(22)	1.50	2.00	2.00	2.00	2.00	1.00	2.75	1.85
(23)	450.00	400.00	500.00	400.00	430.00	600.00	520.00	700.00
(24)	14.00	15.00	20.00	20.00	15.00	15.00	18.00	20.00
(25)	1.30	2.00	1.00	2.00	1.50	1.50	1.75	2.50
(26)	5.00	5.00	5.00	5.00	5.00	5.00	10.00	5.00
(27)	3.00	2.50	3.00	3.00	3.00	3.00	3.00	5.00

BIDS OPENED

SANTA CLARA COUNTY, Cal.—A. J. Raisch, Burrell Bldg., San Jose, at $41,378.60 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with portland cement concrete about 0.4 mile in Santa Clara County between College Ave. and Page Mill Road, in Palo Alto.

The work involves:

The work involves:

(1) 4,900 cu. yds. rdwy. excav., unclassified;
(2) 1,050 cu. yds. concrete removed from exlsting pave. and struc.;
(3) 1,300 cu. yds. imported borrow;
(4) 5,320 tons crusher run base;
(5) 20 tons asph. road oil, seal coat;
(6) 1,975 cu. yds. Class A Port. cem. conc. pave.;
(7) 330 cu. yds. do sidewalks, curbs and gutters;
(8) 15, cu. yds. do, ornamental walls;
(9) 44,000 lbs. bar reinf. steel pave.;
(10) 420 tons natural rock asph. bit. surfacing;
(11) 8 tons emulsified asph. road oil do
(12) 1,540 lin. ft. 4-in. vit. clay pipe;
(13) 260 lin. ft. 12-in. extra strength reinf. conc. pipe;
(14) 20 each raising manholes to grade
(15) 11 each catchbasins;
(16) 8 each monuments complete in place.

Total bids follow:

(A) A. J. Raisch, San Jose, $41,378.60
(B) Union Paving Co., San Francisco $41,703.50.
(C) Hanrahan Co., San Francisco, at $42,958.50.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ .40	$ .35	$ .36
(2)	5.00	3.00	2.00
(3)	.58	.50	.42
(4)	1.33	1.50	1.40
(5)	18.00	25.00	20.00
(6)	7.80	8.10	9.02
(7)	10.00	13.00	13.00
(8)	12.00	35.00	25.00
(9)	.05	.05	.057
(10)	5.80	5.00	5.85
(11)	22.00	25.00	25.00
(12)	.50	.80	.80
(13)	2.00	1.50	2.00
(14)	15.00	10.00	20.00
(15)	60.00	50.00	80.00
(16)	4.00	3.00	3.00

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COMPLETE BID LISTING

YAVAPAI & Coconino Cos., Ariz.—George W. Orr, Bisbee, Ariz., at $40,475, as previously reported, submitted low bid and recommended for award by the U. S. Bureau of Public Roads, Phoenix, May 17, for placing subgrade reinforcement on 24.615 mi. of Sections C, D, E, F, G and H of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai and Coconino Counties, Ariz. Complete bids follow:

(A) George W. Orr, Bisbee $40,475
(B) O. F. Fisher, Phoenix 54,125
(C) Skousen Bros., Mesa 55,220
(D) Engineer's estimate 48,100

Unit quantities follow:

(1) 45,500 cu. yds. subgrade reinf.;
(2) 107,000 cu. yds. mi. hauling subgrade reinf.;
(3) extra work, maintaining accepted sections.

Unit bids were:

	(A)	(B)	(C)	(D)
(1)	$ .65	$ .95	$ .88	$ .70
(2)	.10	.10	.14	.15
(3)	200.00	200.00	200.00	200.00

CONTRACT AWARDED

SAN FRANCISCO—City Purchasing Department awarded contracts to the following for furnishing certain hardware and castings for various departments under Invitation to Bid No. 1175.

Pacific Abrasive Supply Co.
The A. J. Glesener Co.
Sloss & Brittain.
M. Greenberg's Sons.
Baker Hamilton & Pacific Co.

Dunham Carrigan & Hayden Co.
Hartwell Bros.
Enterprise Foundry Corp.
General Machinery & Supply Co.
Waterhouse Lester-Scovel Co., Ltd.
Pioneer Brass, Bronze & Aluminum Foundry.
Steiger & Kerr Stove & Foundry Co.
American Brake Shoe & Foundry Company. 20

BIDS OPENED

FRESNO COUNTY, Calif. — Union Paving Co., 624 Call Bldg., San Francisco, at $34,959.00 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 0.5 mile in Fresno County between Tulare St. and Stanislaus St. in Fresno. The Valley Paving and Const. Co., Fresno, at $38,086.50 submitted the only other bid. Unit bids follow:

(A) Union Paving Company.
(B) Valley Paving Company.

The quantities were:

(1) 3850 tons asphalt concrete;
(2) 14,000 sq. yds. asph. paint binder;
(3) 3000 sq. yds. subgrade for pave ;
(4) 3900 sq. ft. Class A Port. cem. conc. driveways;
(5) 8000 sq. ft. do gutters;
(6) 26,000 sq. ft. do sidewalks;
(7) 4100 lin. ft. do curbs;
(8) 252 lin. ft. 12-in. rein. conc. pipe, extra strength;
(9) 311 lin. ft. part circle C.M.P. culverts;
(10) 120 M. gals. water;
(11) 6 each sidewalk inlets;
(12) 1 storm water inlet;
(13) 1 storm water manhole;
(14) 35,000 sq. ft. exist. sidewalks and driveways to be removed and disposed of;
(15) 5000 sq. ft. exist. pave and gutters to be removed and disposed of
(16) 4500 lin. ft. exist. crubs to be removed and disposed of;
(17) 1 lot misc. culverts and drainage appurtenances to be removed and disposed of;
(18) 25 each electroliers to be moved and reset.

Unit prices follow:

	(A)	(B)
(1)	$ 4.15	$ 4.25
(2)	.025	.015
(3)	.18	.18
(4)	.25	.19
(5)	.25	.28
(6)	.12	.15
(7)	.50	.50
(8)	3.50	2.00
(9)	5.00	3.00
(10)	1.00	.30
(11)	40.00	30.00
(12)	50.00	30.00
(13)	100.00	40.00
(14)	.08	.06
(15)	.08	.06
(16)	.20	.20
(17)	500.00	1000.00
(18)	104.00	177.20

COMPLETE BID LISTING

GLOBE, Arizona—Matti Jacobson, Miami, at $18,679, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, May 16, for street improvement in the City of Globe, Arizona, NRM 91-C (A.F.E. 511). The work, which lies within the city limits of Globe, consists of concrete pavement widening over a length of about 0.7 miles, involving:

(1) 7260 sq. yds. grading;
(2) 7260 sq. yds. 6-in. conc. pavement;
(3) 1 box culvert extension;
(4) 2 2½-ft. double catchbasins;
(5) 1 4-ft. double catchbasins;
(6) 2 drop inlets.

Complete blds follow

(A) Matti Jacobson, $18,679.
(B) R. E. Martin & Co., Tuscon, $18,848.
(C) Copper Cities Lime & Stone Construction Co., Miami, $20,438.96.

Unit bids follow:

SACRAMENTO CO—Benson's Ferry Trestle—(County)

SACRAMENTO COUNTY, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $15,561.18 submitted lew bid to the Sacramento County Board of Supervisors, Court House, Sacramento, for constructing a redwood trestle 513 ft long with concrete deck on the Lower Stockton Road at Benson's Ferry in Sacramento County. The work involves:

(1) 3,728 linear feet redwood piling in place;
(2) 8316 F.B.M. redwood caps, in place
(3) 2944 F.B.M. redwood cross bracing for piles in place;
(4) 77,131 F.B.M. redwood stringers scabs and bridging in place;
(5) 22,616 F.B.M. redwood sub-floor in place;
(6) 16,312 F.B.M. redwood posts, railings, blocks, yds. etc., in place;
(7) 236.3 cu. yds. concrete in place;
(8) 27,125 lbs. reinf. steel in place;
(9) Lump sum, removal of old struc.

Total bids follow:

(A) M. A. Jenkins, Sacramento, $16,561.18.
(B) Bundesen & Lauritzen, Pittsburg, $16,598.31.
(C) Campbell Const. Co., Sacramento, $16,727.63.
(D) L. C. Seidel, Oakland, $17,658.52.
(E) F. O. Bohnett, Campbell, $18,000.96.
(F) W. E. Lyons, Oakland, $18,772.72.
(G) B. A. Howkins & Co., San Francisco, $19,314.06.
(H) Alfred H. Vogt Co., San Francisco, $20,953.52.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .88	$ .85	$ .77	$ .95	$ 1.15	$ 1.25	$ 1.05	$ 1.31
(2)	70.00	70.50	76.00	73.00	75.00	75.00	80.00	80.00
(3)	80.00	110.00	94.00	87.00	95.00	100.00	125.00	100.00
(4)	75.00	67.00	73.50	70.00	70.00	75.00	76.25	84.00
(5)	60.00	57.00	61.00	57.50	60.00	60.00	62.00	70.00
(6)	80.00	90.00	104.00	98.00	110.00	100.00	107.00	130.00
(7)	10.50	11.95	10.40	11.00	11.00	7.50	13.75	12.00
(8)	.04	.045	.045	.05	.045	.035	.0475	.055
(9)	450.00	550.00	525.00	1000.00	440.00	1700.00	800.00	600.00

SACRAMENTO CO. — Fair Oaks Trestle — (County)

SACRAMENTO COUNTY, Cal.—George W. Kopp, 1514 15th St., Sacramento, at $12,380.16 submitted low bid to the Sacramento County Board of Supervisors, Sacramento Court House, for construction of 481 lin. ft. of new timber deck on existing piles at South End of Fair Oaks Bridge at Fair Oaks, Sacramento County. The work involves

(1) 70,000 FBM dense select all heart structural redwood stringer scabs, etc.;
(2) 8800 FBM select all heart structural redwood caps;
(3) 16,781 FBM select all heart structural redwood posts, wheel guards, rails, etc.;
(4) 9640 sq. ft. laminated floor, 3x6, dense select all heart struc. redwood;
(5) 3000 FBM possible bracing replacements; No. 1 common Douglas Fir, yard lumber, (material only, labor included in item 6).
(6) Lump sum, to cover removal of old material.

Total bids follow:

(A) George W. Kopp, Sacramento, $12,380.16.
(B) P. F. Bender, Sacramento, $12,764.20.
(C) Poulos & McEwen, Sacramento, $13,230.12.
(D) Campbell Constr. Co., Sacramento $14,011.46.
(E) M. R. Peterson, Colfax, $14,059.57
(F) F. O. Bohnett, Campbell, $14,933.39
(G) Betz & Yolo, Sacramento, $15,632.18.
(H) Alfred H. Vogt Co., San Francisco, $18,709.04.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 17.00	$ 75.00	$ 83.00	$78.00	$ 79.71	$ 80.00	$ 77.00	$ 84.00
(2)	75.00	96.90	83.00	88.50	112.06	80.00	84.49	84.00
(3)	88.00	89.77	83.00	106.00	125.09	110.00	129.00	140.00
(4)	.45	.44	.51	.46	.41	.45	.45	.50
(5)	45.00	46.00	60.00	50.00	47.00	35.00	43.82	40.00
(6)	800.00	775.00	200.00	1409.00	1300.72	2400.00	2846.00	4800.00

SACRAMENTO CO.—Wilder Ferguson Rd. Trestle—County

SACRAMENTO COUNTY, Cal.—M. A. Jenkins, 3500 Y St., Sacramento, at $14,125.82 submitted low bid to the Sacramento County Board of Supervisors, Sacramento Court House, for construction of a redwood trestle, 418 ft. long with concrete deck and timber bulkheads, on the Wilder Ferguson Road over the Cosumnes River. The work involves:

(1) 3032 lin. ft. redwood piling in place;
(2) 7084 F.B.M. select all heart redwood struc. caps in place;
(3) 4352 F.B.M. bulkhead material and cross brace material, select all heart redwood in place;
(4) 64,640 F.B.M. stringers, stringer scabs and bridging, dense select all heart redwood in place;
(5) 14,350 F.B.M. railing posts, wheel guards and blocks in place;
(6) 18,436 F.B.M. struc. redwood subfloor in place;
(7) 195.52 cu. yds. concrete in place;
(8) 22,233 lbs. reinf. steel in place;
(9) 250 cu. yds. struc. excav. and back fill;
(10) Lump sum, removal of old structure, etc.

Total bids follow:

(A) M. A. Jenkins, Sacramento, $14,125.82.
(B) Bundesen & Lauritzen, Pittsburg, $14,291.70.
(C) Campbell Constr. Co., Sacramento $14,573.19.
(D) L. C. Seidel, Oakland, $14,944.07.
(E) W. E. Lyon, Oakland, $15,740.42.
(F) F. O. Bohnett, Campbell, $15,986.179.
(G) Holdener Constr. Co., Sacramento, $16,553.23.
(H) B. A. Howkins Co., San Francisco, $16,925.49.
(I) Alfred H. Vogt Co., San Francisco $17,682.46.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .88	$ .87	$ .84	$ 1.00	$ 1.25	$ 1.25	$ 1.10	$ 1.20	$ 1.30
(2)	70.00	70.50	78.50	73.00	75.00	75.00	80.00	80.00	80.00
(3)	70.00	76.00	73.00	65.00	100.00	70.00	100.00	89.00	80.00
(4)	75.00	67.00	74.40	70.00	75.00	75.00	73.00	77.25	82.00
(5)	80.00	90.00	108.00	78.00	100.00	110.00	104.00	107.00	130.00
(6)	60.00	57.00	56.50	57.50	60.00	60.00	60.00	61.80	72.00
(7)	10.50	11.95	10.50	11.00	7.50	11.00	17.50	14.00	12.00
(8)	.04	.045	.046	.05	.035	.05	.045	.0575	.055
(9)	1.25	1.50	1.50	1.50	1.50	1.00	.75	1.50	2.00
(10)	425.00	550.00	425.00	600.00	1100.00	440.00	410.00	625.00	400.00

	(A)	(B)	(C)
(1)	$ .25	$ .25	$ .20
(2)	2.25	2.30	2.52
(3)	134.00	100.00	127.59
(4)	67.00	50.00	107.37
(5)	220.00	50.00	284.00
(6)	18.00	40.00	30.00

Bids held under advisement.

BIDS OPENED

YUBA & BUTTE COUNTIES, Cal. —M. A. Jenkins, 3506 Y St., Sacramento, at $3,952.50 on May 22, submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, for repairing two bridges near the north city limits of Marysville and ten miles north of Marysville in Yuba and Butte counties. F. H. Neilson, 96 8th St., Orland, at $4,427.50 submitted the only other bid.

(A) M. A. Jenkins;
(B) F. H. Neilson.

Unit bids follow:

(1) 1 lot existing timber decks to be removed and disposed of, lump sum (A) $350; (B) $401.

(2) 22 MFBM Douglas fir in place, (A) $68; (B) $88.

(3) 11 MFBM salvaged timber in place, (A) $45; (B) $33.

(4) 14,450 lbs. structural steel in place, (A) $.09; (B) $.07.

(5) 1 lot misc. items of work, (A) $320; (B) $723.

BIDS OPENED

SAN FRANCISCO — Following bids received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1199, for furnishing 5000 6x8x8 No. 1 split California Redwood ties:

	Per Tie
John J. Pekuri	$0.735
Christenson Lbr. Co., S. F.	.784
C. R. McCormick Lumber Co. San Francisco	.80
Gamerston & Green, S. F.	.7722
Loop Lumber Co., S. F.	.784
J. L. Hall	.79328
Hobbs-Wall & Co., San Francisco (via rail)	.8928
Hobbs-Wall & Co., San Francisco (via vessel)	.7792
Hammond Lumber Co., S. F.	.75625
MacDonald & Harrington, San Francisco	.79328
J. R. Hanify Co., S. F.	.7872
Calif. Tie & Timber Co.	.74
E. K. Wood Lbr. Co., S. F.	.784
The Chas. Nelson Co., S. F.	.76

GIDS OPENED

LOS ANGELES, Calif. — Following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for cast iron water pipe under Spec. No. 1438. Bids were taken as follows:

(1) 25,000 ft. 12-in. cast iron water pipe fob trucks Hewitt St., delivery August 15.

(2) same as item 1 except for delivery September 15.

(3) 15,000 ft. 12-in. cast iron water pipe fob trucks, Van Nuys yard, delivery August 15.

(4) same as item 3 except for delivery September 15.

The bidders were:

(A) National Cast Iron Pipe Co.;
(B) American Cast Iron Pipe Co.;
(C) Florence Pipe Foundry & Machinery Co. by Utilities Supply Co.
(D) U. S. Pipe & Foundry Co.
(E) Pacific States Cast Iron Pipe Co.

Unit prices follow:

	(1)	(2)	(3)	(4)
(A)	$	$	$2.235	$2.235
(B)	2.185	2.20	2.25	2.25
(C)	2.22	2.23	2.27	2.24
(D)	2.19	2.19	2.24	2.24
(E)	2.25	2.25	2.28	2.28

All bids net.

COMPLETE BIDS

MONTEREY COUNTY, Cal. — Granite Constr. Co., Ltd., Bin No. 9, Watsonville, at $5137 submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 21.5 miles of fuel oil treatment in Monterey County at the following locations 2.6 miles between Monterey and Seaside Road; 7.6 miles between Salinas and Castroville, and 11.3 miles between Castroville and Watsonville. Total bids follow:

(A) Granite Constr. Co., Watsonville, $5137.

(B) Walter B. Roselip, San Luis Obispo, $5427.70.

(C) L. A. Brisco, Arroyo Grande, $6409.20.

(1) 2410 bbls. heavy fuel oil in place, (A) $1.70; (B) $1.73; (C) $2.12.

(2) 2.6 mi. mixing and shaping oiled material (A) $400; (B) $484; (C) $500.

NEWPORT, Ore—YAQUINA BAY BRIDGE—(State)

NEWPORT, Ore.—The General Construction Co., 3840 Iowa St., Seattle, and the Gilpin Construction Co. Henry Bldg., Portland, bidding jointly, at $1,357,587.50 (Combination Units A, B and C) as previously reported, submitted low bid and recommended for award by the Oregon State Highway Commission, Portland, for the construction of the Yaquina Bay Bridge near Newport. The work consists of the construction of a bridge approximately 3260 ft. long, with a 27-ft. roadway and two pedestrian walkways, consisting of a 600-ft. semi-through steel arch span and two 350-ft. deck steel arch spans with 284 lin. ft. of concrete viaduct on the northerly end and with 5 reinforced concrete arch spans, totaling 1052 ft. in length and 600 lin. ft. of concrete viaduct at the southerly end across Yaquina Bay on the Oregon Coast Highway.

Complete bids follow:

Combination Units A, B and C: The construction complete as described above.

(A) General Const. Co., Seattle and Gilpin Const. Co., Portland.... $1,357,587.50
(B) Teufel & Carlson, Skinner Building, Seattle 1,447,073.00

Combination Units A and C: Construction of four piers for three steel arch spans and construction of concrete arch and viaduct approaches to the steel spans.

(A) Teufel & Carlson, Skinner Building, Seattle ..... $ 980,043.00

Unit B: Construction of three steel arch spans and pier shafts for same.

(A) Moore Drydock Co., foot of Adeline St., Oakland ..... $ 454,255.00
(B) McClintic - Marshall Corporation, San Francisco 457,107.00
(C) Poole & McGonigle, Portland 464,712.00
(D) Columbia Steel Co., Portland 516,421.00

Unit bids follow:

COMBINATION UNITS A, B & C

	(A)	(B)
(1) 25,000 cu. yds. excavation	$ 8.75	$ 7.00
(2) 1500 cu. yds. excavation below elevation shown	5.00	7.00
(3) 100,000 lin. ft. foundation piling	.50	.47
(4) 21,000 lin. ft. treated fender piling	.70	.73
(5) 2,000 lin. ft. concrete piling	3.25	3.65
(6) 3,800 cu. yds. seal concrete	17.75	15.15
(7) 11,000 cu. yds. Class A conc., piersand footings	17.75	27.00
(8) 4,200 cu. yds. Class A conc. pier shafts	20.00	28.00
(9) 4,300 cu. yds. Class A conc., beams and columns	29.50	27.00
(10) 2 400 cu. yds. Class A conc. arch ribs, structures	31.25	29.00
(11) 1,570 cu. yds. Class D conc., concrete spans	27.00	28.00
(12) 930 cu. yds. Class D conc., steel spans	22.75	29.00
(13) 2,250,000 lbs. metal reinforcement	.045	.05
(14) 20,000 lbs. cast chromium steel	.35	.56
(15) 1,300 M. lbs. copper bear. struc. silicon steel	.073	.0726
(16) 100,000 lin. ft. foundation piling	.0765	.0797
(17) 6,750 lin. ft. concrete handrail	5.00	4.50

COMBINATION UNITS A AND C

	(A)		(B)
(1) 25,000 cu. yds. excavation	$ 7.00	pier shafts	$28.35
(2) 1,500 cu. yds. excav. below elevation shown	7.00	(9) 4300 cu. yds. do, beams, col	28.00
(3) 10,000 lin. ft. found. piling	.47	(10) 2400 cu. yds. do, arch ribs, structures	30.00
(4) 21,000 lin. ft. treat. fender do	.73	(11) 1570 cu. yds. Class D conc., concrete spans	29.00
(5) 2,000 lin. ft. concrete piling	3.65	(12) 1,750,000 lbs. metal reinf.	.05
(6) 3,800 cu. yds. seal concrete	15.15	(13) 10,400 lbs. cast cast chromium steel	.56
(7) 11,000 cu. yds. Class A conc., piers and footings	28.00	(14) 4100 lin. ft. conc. handrail	4.50
(8) 340 cu. yds. Class A conc.,			

UNIT B

	(A)	(B)	(C)	(D)
(1) 3,860 cu. yds. Class A conc., pier shafts	$21.00	$22.50	$23.30	$28.80
(2) 930 cu. yds. Class D conc., steel span	29.50	27.07	26.80	28.60
(3) 500,000 lbs. meta lreinforcement	.047	.0465	.05	.044
(4) 9,600 lbs. cast chromium steel	.30	.50	.40	.50
(5) 2,830 M. lbs. copper bear. struc., carbon steel	.0765	.07105	.072	.0855
(6) 1,300 M. lbs. copper bearnig struc., silicon steel	.0765	.07875	.08	.09
(7) 2,650 lin. ft. concrete handrail	4.50	4.85	5.00	4.60

COMPLETE BIDS

MONTEREY COUNTY, Cal.—Following bids received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 15.1 mi. of fuel oil treatment in Monterey County from King City to San Ardo:

(A) Walter Roselip, 756 Santa Roaa St., San Luis Obispo, $2019.30.

(B) L. A. Brisco, Arroyo Grande, $2019.30.

(C) Granite Constr. Co., Watsonville, $2070.10.

(D) Oil Fields Trucking Co., Bakersfield, $3048.

Unit bids follow:

(1) 1270 bbls. heavy fuel oil in place: (A) $1.59; (B) $1.59; (C) $1 63; (D) $2.40.

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IN THIS ISSUE

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JUNE 2, 1934

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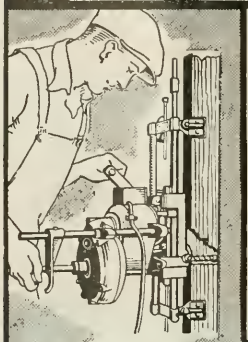
WAPPAT Electric TOOLS



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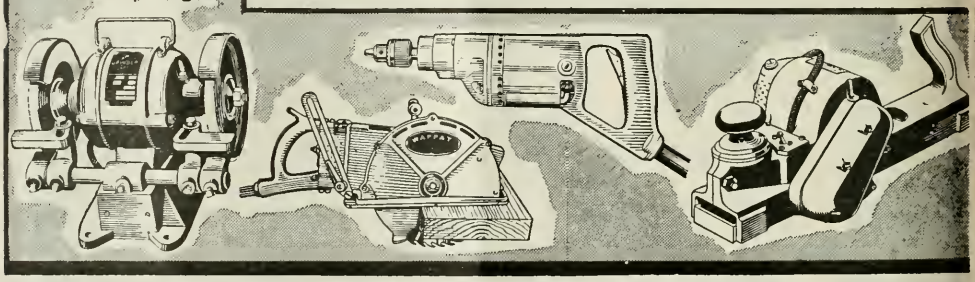

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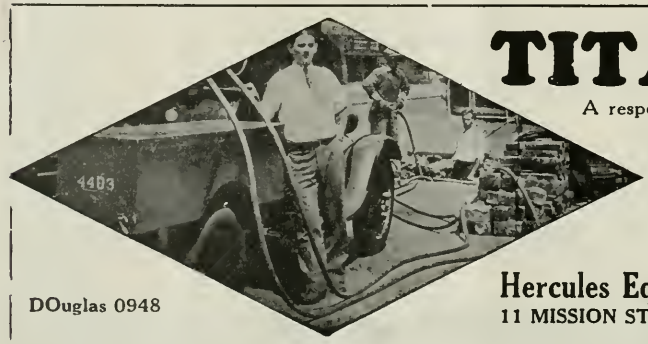

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Vol. XVII SAN FRANCISCO, CALIF., JUNE 2, 1934 No. 22

TO OPEN BIDS JUNE 27 FOR M STREET SPAN

River Crossing To Cost $1,000,000 Will Replace Existing Bridge

SACRAMENTO, May 29. — The State Highway Commission today announced that bids would be opened June 27 on the contract for construction of the new M street bridge across the Sacramento river here. The bridge will cost approximately $1,000,000, replacing the existing obsolete crossing.

It will be a combination rail and highway bridge, incorporating a vertical lift span of 209 feet. The other portions of the structure are a one 192-foot and one 167-foot fixed through truss spans and four steel girder spans 34- and 35-feet in length.

The clear width will be 52 feet, providing for railroad tracks in the center and two lanes of automobile traffic on each side.

Principal quantities of material include 57,700 feet of Douglas fir piles; 4,620 feet concrete piles; 328,000 ft. B.M. Douglas fir timber; 9400 cubic yards portland cement concrete; 3,035,000 pounds carbon structural steel; 1,345,000 lbs. silicon steel; 800 tons asphalt concrete.

Lightweight aggregate will be used in 1012 yards of concrete required for paving the deck.

There are sixty-six items in the bid form. (Complete list in Advance Report section.)

The Commission called for bids June 20 on contracts in three other Northern California counties. Bids will be received in Sacramento for the following:

COLUSA COUNTY: Grading and paving with asphalt concrete 5.5 miles between Maxwell and Delevan.

KERN COUNTY: Treating 28.7 miles with cutback asphaltic road oil and fuel oil between Rio Bravo and Shafter and between Old Quarry and westerly boundary of Sequoia National Forest.

NEVADA COUNTY: Bituminous surfacing 3.5 miles between Hinton and Floriston.

$2,000,000 BOND ON COULEE PROPOSALS

Bid security in the amount of $2,000,000 will be required of contractors submitting proposals on construction of the Grand Coulee dam which are to be received at Spokane June 18 Other requirements set by the Bureau of Reclamation are a performance bond of $5,000,000 from the successful bidder and a liability of $2000 for each calendar day of delay in completing the contract. The bureau sets 1650 calendar days as the time for completion.

Utilities Board Asks Bids On Lighting Contracts

San Francisco Public Utilities Commission will receive bids June 7 for two street lighting contracts.

One job is for installation of conduits on Tenth, Bryant, Harrison and Fell streets, requiring 24,400 feet of 1½-inch conduit and four pull boxes.

The other contract is for an ornamental lighting system in Merced Manor which will require 51 ornamental reinforced concrete standards, foundations, luminaries and lamps, 10,500 feet of conduit and 18,000 feet conductor.

Specifications are available at the San Francisco Water Department, 425 Mason street, upon deposit of $10 for each set.

APPROVE PLANS FOR SAN JOSE CIVIC BUILDING

Wage Increase Granted Building Trades to Meet Union Demands

Although a definite date for receiving bids has not yet been fixed by the San Jose City Council, approval has been given to the plans and specifications for the new municipal auditorium to cost approximately $375,000. The date for opening bids probably will be set at the council meeting June 4.

Plans for the building were prepared by Architects Binder & Curtis, San Jose. They provide for a two-story building with a seating capacity of 3800 in the principal auditorium and a smaller hall seating 1000.

A call for bids has been delayed due to disagreement over wage scales. A prevailing scale adopted May 21 was revised May 28 at the demand of union representatives. The council agreed to incorporate higher scales for housesmiths, increased from $8.80 to $9; plasterers, $9 to $10; lathers, $9 to $10; hod carriers, $6 to $8.80; sheet metal workers, $8.80 to $9.44; plumbers, $9 to $10.28; steam fitters, $9 to $10.28.

In compliance with a request from A. D. Wilder, state PWA engineer, the council approved classification of portable compressor engineers, roofers and half-yard shovel operators as skilled labor, receiving the PWA minimum of $8.80, instead of the respective rates of $6, $7 and $7.50 previously established.

According to reports to the Department of Commerce production of steel boilers for the first four months of 1934 totaled 1,135, as compared with 803 for the same period of last year, 1933.

CONTRACTORS ON S. F. BAY BRIDGE EMPLOYING 7972

Construction Schedule Brings Payroll For Span to New High

Employment on the San Francisco - Oakland Bay Bridge has now risen to 7972 persons, of which 3,272 are working directly on the structure itself, and the remaining 4700 are employed in the fabrication of materials, according to the weekly progress report filed with State Director of Public Works Earl Lee Kelly by Chief Engineer C. H. Purcell.

The rise in employment during the past month has been due to the start of riveting operations on Tower 2 and the beginning of the bore of the Yerba Buena Island tunnel, as well as the construction of the island piers.

San Francisco

Four hundred cubic yards of concrete were placed during the week, making the total in this anchorage now 33,300 cubic yards. This completes the first stage of the anchorage and no more concrete will be placed here until after the cable stringing.

Pier W-1, on the Embarcadero, has been brought to ground level, and pulling of the sheet piling cofferdam surrounding this concrete pier will soon be started by Healy-Tibbitts Construction Co., San Francisco shore contractor.

West Bay Superstructure

Three gangs of Columbia Steel Company riveters and a total crew of 82 men are at work riveting sections of Tower No. 2 on the San Francisco shore line, which are now temporarily bolted in place. Rivets are heated in oil-burning forges at the base of the tower, and shot through flexible hoses by air pressure up to the riveters. Inspectors follow the gangs, cutting out defective rivets.

West Bay Substructure

With Pier 2 completed, and the steel tower being riveted thereon, and Pier 6 complete except for fenders which are now being placed, the Transbay Construction Company concentrated on Piers W-3, W-4 and W-5 during the past week.

At Pier 3, the construction of the seal, which consists in laying a concrete floor beneath the caisson, and extending the concrete of this floor up each dredging well some 30 feet, is now approximately two-thirds complete, the south 12 wells being sealed with 2300 cu. yds. of concrete during the week. The north end of the caisson should be sealed during the ensuing week and work started on the pier shafts on top of the structure, upon which the steel tower will be erected.

At Pier W-4, the base of the concrete center anchorage, 1500 cubic yards of concrete were placed during the week, raising this pier to a total height of 212½ feet from cutting edge to the top above water. The cutting edge is now at approximately 202 feet below water.

At Pier W-5, a concrete seal was placed under three wells during the week, 800 cubic yards of concrete being used.

Yerba Buena Island

Two headings for the double deck vehicular tunnel to pierce Yerba Buena Island have been carried into the rock 40 feet by Clinton Construction Co. during the week, the south tunnel being 100 feet into the rock and the north tunnel 45 ft. long. The north shaft of Pier YB-1, representing a vertical mine shaft 24 feet in diameter, is now filled with concrete, and the south shaft is nearing completion.

East Bay Substructure

At Pier E-3, 1400 feet east of Yerba Buena Island, Bridge Builders, Inc., placed 3400 cubic yards of concrete during the week, making the total in this pier 19,243 cu. yds. raising the concrete 139 feet above the cutting edge, which is standing 120 feet below water, and has yet to go more than 110 feet down.

At Pier E-11 concrete has been brought to 8 feet above the surface of the water, and at Pier E-14 the cofferdam has been removed and is being driven at Pier E-10, on which work is starting. These latter the the piers north of the Key Route Mole.

Gate Bridge Progress Report

Progress toward completion of the several contracts of construction of the Golden Gate bridge is reported as of April 30 as follows:

Anchorage Steel (both sides in place)	84% complete
Steel Tower (San Francisco) in shops	39.2% complete
Steel Tower (Marin) in place	95.6% complete
Bridge Wire, Handrope and Fittings in shops	32.3% complete
Pier Excavations (San Francisco)	96% complete
Fender (San Francisco) in place	7.7% complete
Pier and Caisson (San Francisco)	18.7% complete
Pier (Marin)	completed
Excavation (San Francisco)	92.5% complete
Anchorage (San Francisco) concrete in place	78% complete
Cable Housing and Tower Footing, S3, S4 (S. F.)	not started
Pylon S-1, concrete in place	74.25% complete
Pylon S-2	not started
Approach Span Footings, S7 and S8 (San Francisco)	not started
Abutment (San Francisco)	not started
Seawall (San Francisco)	completed
Excavation (Marin)	96.0% complete
Anchorage (Marin) concrete in place	82.2% complete
Cable Housing and Pylon N-2 (Marin)	not started
Pylon N-1 (Marin) concrete in place	90.0% complete
Approach Span Footings No. 2-10 (Marin)	not started
Abutment (Marin)	not started
High Viaduct, concrete in place	4.21% complete

Structural Steel Bookings in April Best of 18 Months

April developed the best volume of business the steel construction industry has enjoyed during the past year and a half, the American Institute of Steel Construction reports. The final figures, based upon reports from 84 per cent of the industry, indicate that April bookings were 111 per cent larger than for the same month last year, 46 per cent better than the average monthly bookings during the last quarter of 1933 and 33 per cent larger than the average during the first quarter of 1934. April shipments were 31 per cent larger than for the same month last year.

Columbia Construction Company Low On Bonneville Spillway Dam

A syndicate composed of five western contractors well known for their association in construction of Boulder Dam, May 25 offered the low bid on the general contract for construction of the main spillway dam of the Bonneville Power and Navigation Project. The bid was submitted by Columbia Construction Company, a Nevada corporation, headed by Henry J. Kaiser, with H. W. Morrison as vice-president.

The following bids were received

Columbia Construction. Co.	$8,972,650
General Const. Co. and J. F. Shea	9,436,500
Silas Mason, Inc., Guy F. Atkinson Co. and K. E. Kier Const. Co.	10,938,400

Columbia Const. Co. is composed of the following contracting firms: Utah Const. Co., W. A. Bechtel Co., MacDonald & Kahn, Henry J. Kaiser Co., and Morrison-Knudsen Co. Their headquarters is at 1522 Latham Square Bldg., Oakland.

(Complete bids will be found in the unit price section of this issue.)

The spillway dam will be of the concrete gravity type consisting of an overflow spillway section with abutments, cutoff walls, wing walls and fishways at either end. The dam will be 1,000 feet long, about 180 feet in maximum total height from bottom of foundation at about elevation -77 to top of roadway girders at elevation plus 99. It will be 165 feet wide with the spillway sill at elevation plus 24 feet, surmounted by piers 75 feet high. The dam will be built in blocks about 40x60 feet in plan, by 5 feet high, formed at the ends to key them together. The resulting contraction joints will be provided with systems of pipes for pressure grouting after shrinkage.

Excavations for the base of the dam will be carried well into solid rock and a cut-off trench will be excavated below the upstream heel. Grout holes spaced not less than five feet apart will be drilled in the bottom of this trench to depths of approximately 50 feet, to be grouted after concreting is sufficiently advanced. The excavated trench against the upstream face of the dam will be back-filled with an impervious earth fill. A reinforced concrete apron 100 feet wide will be placed upon the exposed and leveled bedrock at the downstream edge of the spillway deck.

The spillway will be divided into eighteen 50-foot openings by concrete piers. Structural steel vertical lift gates 50-ft. wide by 50-ft. high will be furnished and installed under a separate contract. The bridge over the spillway will consist of three lines of steel truss girders encased in concrete, the two outer girders serving to carry the crane rails. The outer girders and the pier tops will be subjected to special architectural treatment. Each abutment will consist of a concrete wall extended 250 feet up and downstream by reinforced concrete counterfort wing walls. A concrete cut-off wall will extend from earth abutment into the river bank. A reinforced concrete fishway structure, either of the lift or ladder type, will be backfilled to the elevation of the roadway deck. Two inspection galleries will run the length of the dam near the upstream and downstream faces respectively at about elevation -30.

Major quantities estimated for the dam structure include 12,000,000 pounds reinforcing steel; 4,900,000 pounds structural steel; 7,500,000 f.b.m. lumber; 800,000 cu. yds. common excavation above water level and 100,000 cu. yds. rock excavation; 500,000 cu. yds. of subaqueos excavation common, and 70,000 cu. yds. rock; 500,000 cu. yds. excavation, common, inside cofferdams and 200,000 cu. yds. rock; 2,000,000 sta. yds. overhaul; backfill 450,000 cu. yds.; rolled fill 400,000 cu. yds.

Cement for the dam will be purchased by the government and delivered to the contractor at the job.

ROSEVILLE SCHOOL BIDS WILL OPEN JUNE 11

The Roseville Elementary School District will open bids on June 11 for the construction of a new elementary school and additions to two elementary school buildings in Roseville. Work is estimated to cost $80,000. Charles Dean, Sacramento, architect.

STATE TO NEED $10,000,000 FOR NEW BUILDINGS

Shortage of Quarters Felt Due To Curtailed Funds

Over-crowded conditions in state prisons, hospitals and other institutions make a comprehensive building program of approximately $10,000,000 essential during the next biennium, according to budget officers in the state department of finance.

Because of the necessity for retrenching, the legislature allowed only $1,500,000 for building purposes during the present bienniums. As a result, the state slipped two years behind in its minimum requirements for buildings, and in the opinion of officials it cannot continue to evade the constantly growing demands for more space.

The budget which will be presented the next legislature probably will contain recommendations for the following building program, said by officials to be essential, minimum requirements:

New prison for first offenders, in southern California, $1,500,000.

New hospital for the insane, probably in southern California, $1,000,000.

Enlargement of various northern California hospitals, $1,000,000.

Enlargement of teachers' colleges $1,000,000.

New buildings at the University of California at Berkeley, $1,000,000.

California veterans' home, $750,000.

Enlargement of Camarillo state hospital, $500,000.

Improvements and enlargements at Folsom and San Quentin prisons $500,000.

Improved facilities at reform schools, $500,000.

California State Fair buildings, including educational and administration buildings and cattle and horse barns, $500,000 and possibly a horse show building, $400,000.

Construction of wings on the state bulding in Los Angeles, $500,000.

New state office building in Sacramento, $500,000.

Armories for the national guard, $250,000.

Reclamation Service Will Receive Bids on Huge Earthmoving Project; Unit of Boulder Canyon Development

Nearly 53,000,000 cubic yards of earth and rock must be moved to complete the channel of the All-American Canal, a portion of the Boulder Canyon Irrigation and Power Project. The total cost of excavation and structures is estimated at $30,000,000.

Bids will be opened June 7 by the Reclamation Service, in Yuma, for approximately three-fourths of the excavation, comprising seven schedules, a total of 39,390,000 cubic yards of common excavation and 528,000 cubic yards of rock excavation.

It was planned originally to locate the intake at Laguna Dam, on the Colorado River in Arizona, but revised plans are for location at a point approximately four and a half miles upstream, where a new dam will be constructed to be called Imperial Dam. The primary function of both dams is to fix the height at which water will be diverted. Laguna Dam raises the elevation of the water in the river some ten or twelve feet and Imperial Dam will provide an additional raise of some 20 feet.

According to present plans, Imperial Dam will be of the same type as Laguna, but less than one-half the length. It is to be a broad, flat, rock-filled dam covered by a concrete slab 18 inches in thickness. The elevation of the crest of the dam will be about 180 feet above sea level.

The portion of the canal excavation for which bids have been called is to extend westerly from Laguna Dam site on the Colorado River across the sand hills in Imperial County, and is located ten miles northeast to 18 miles west of Yuma Arizona, a distance of 30½ miles.

Open Ditch

The canal will be an open ditch of varying width at the bottom, 160 ft. for the section from the head to Siphon Drop which will have a capacity of 15,000 sec. ft., 150 ft. for the section from Siphon Drop to Pilot Knob having a capacity of 13,000 sec. ft. and 130 ft. for the section from Pilot Knob to the west side of the sand hills with a capacity of 10,000 sec. ft. The slopes of the canal will be 1½ to 1 with variations of 1¾ to 1 and 2 to 1.

The canal will be excavated into the mesa over the entire distance and there will be a roadway berm 24 ft. wide on the slope of the through cuts on the lower side of the canal, except in rock cuts, between Station 245 and Station 1090. In no case will this berm be less than 6 ft. above the normal high water line. Between Stations 1310 and 1860 where the mesa floor formation is overlaid with dune sand, berms 20 ft. wide on the side slopes will be required on both side of the canal at the elevation of the mesa floor, but in no case less than 6 ft. above the normal high water line.

Extra excavation up to 2 ft. below grade may be required by the contracting officer where gravel or compacted lining may be necessary.

A typical section for rock excavation shows the width at the bottom 69 ft. with slopes ¾ to 1.

PROSPECTIVE BIDDERS

Specifications for excavation of the All-American canal, for which bids will be opened June 7, have been issued to the following:

G. C. Baker, Southern Pacific Co., Yuma, Ariz.

J. H. Boyce Sons Co., Baton Rouge, Louisiana.

C. L. Benedict, Banning, Calif.

Beeson Engr. Co., Ltd., 2501 E 52nd St., Los Angeles.

Callahan Const. Co., 1220 Arcade Bldg., St. Louis.

F. H. Cothran, 917 Queens Road, Charlotte, N. C.

V. R. Dennis Const. Co., P. O. Box F, Sta. A. San Diego.

L. E. Dixon Co., 709 S Grand Ave., Los Angeles.

Griffith Co., 1060 South Broadway, Los Angeles.

Gardner-Denver Co., 845 E. 61st St., Los Angeles.

Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.

Hydraulic Dredging Co., Ltd., Central Bank Bldg., Oakland.

Hulse Anderson Tractor & Equipment Co., Yuma, Ariz.

Ingersoll-Rand Co. of California, 1460 E. 4th St., Los Angeles.

Jahn & Bressi Const. Co., Inc., Lane Mortgage Bldg., Los Angeles.

MacDonald & Kahn, Ltd., Financial Center Bldg., San Francisco.

Bucyrus Erie Co., 777 E. Gage Ave., Los Angeles.

S. S. Magoffin Co., Inc., Adrian, Ore.

Mittry Bros. Cnost. Co., 5531 Downey Road, Los Angeles.

B. Perini & Sons, Inc, Framingham, Mass.

Geo. Pollock Co., 1011 Forum Bldg., Sacramento.

Smith, Booth, Usher Co., 2001 Santa Fe Ave., Los Angeles.

Sharp & Fellows Contr. Co., 553 Central Bldg., Los Angeles.

J. A. Thompson, 704 S. Spring St., Los Angeles.

Thompson & Peck, 354 S. Spring St., Los Angeles.

C. S. Van Brundt Co., 801 S. Grand View Ave., Los Angeles.

West Const. Co., Whitewater, Cal.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

Mark C. Walker & Son Co., First National Bank Bldg., Omaha, Neb.

Clyde W. Wood, Box 444, Blythe, Calif.

Marion Steam Shovel Co., 316 East 3rd St., Los Angeles.

Bechtel Co., 155 Sansome St., San Francisco.

Frank Doran, 345 Spreckels Bldg., San Diego.

Foley Bros., New York Bldg., St. Paul, Minn.

Guthrie McDougall Co., 552 Sherlock Bldg., Portland, Ore.

Sauerman Bros., Inc., 438 S. Clinton St., Chicago.

Bethlehem Shipbuilding Corp., San Francisco.

Martin Day Co., 812 Little Building, Lincoln, Neb.

E. T. Olson, Y.M.C.A. Hotel, 715 S. Hope St., Los Angeles.

Morrison - Knudsen Co., 1121 Title Guarantee Bldg., Los Angeles.

West Slope Const. Co., Azusa, Cal.

E. T. Foley, Huntington Hotel, Pasadena, Calif.

The Carleton Co. Inc., 500 5th Ave., New York City.

Addison Miller, Inc., 1111 Bldrs. Exchange Bldg., St. Paul, Minn.

Barrett & Hilp, 918 Harrison Street, San Francisco.

Horton Price Const. Co., Lake Providence, La.

John Phillips Co., 206 Sansome St., San Francisco.

Gardner-Denver Co., Denver, Colo.

Imperial Valley Irrigation Dist., Imperial, Calif.

Coachella Valley County Water District, Coachella, Calif.

A. C. Howe Machy. Co., 315 E and C Bldg., Denver, Colo.

Fraser Brace Corp., 10 E. 40th St., New York City.

J. M. Johnson, 1330 High St., Denver, Colo.

American Surety Co. Patterson Bldg. Denver, Colo.

Henry J. Kaiser Co., 1522 Latham Square Bldg., Oakland, Calif.

Roy Jacoby, % Marion Steam Shovel Co., Kansas City, Mo.

F. C. Ruhloff, % Bucyrus-Erie Co., South Milwaukee, Wis.

F. B. Jennings, % Marion Steam Shovel Co., Kansas City, Mo.

Peterson, Shirley and Gunther, 1411 W.O.W. Bldg., Omaha, Neb.

Edward Peterson Co., W.W. Bldg., Omaha, Neb.

Worthington Pumps & Machinery Co., 1706 Welton St., Denver, Colo.

J. E. Bloom, % Hoffman Hotel, 137 Cedar Ave., Long Beach, Calif.

Link-Belt Co., Chicago.

Warren Bechtel, Biltmore Hotel, Los Angeles.

W. E. Callahan Const. Co., 1220 Arcade Bldg., St. Louis.

L. D. Crawford, King Hotel, Baton Rouge, La.

Morrison-Knudsen Co., P. O. Box 1518, Boise, Ida.

M. S. Hoyt, Philadelphia, Pa.

Mason D. Pratt, Oakland, Calif.

Canal Const. Co., Box 386, Memphis, Tenn.

D. L. Tarleton, 1406C Ambassador Bldg., St. Louis.

R. C. Wilkerson, Inc., Vicksburg, Mississippi.

This will occur only at Pilot Knob where there will be two cuts in rock, one 950 ft. long ranging in depth up to 100 ft. and the other 800 ft. long ranging in depth up to about 90 feet.

Contracts now being offered are for excavation and do not include any of the structures, which will be built under separate contracts.

Construction of the All-American canal will necessitate the reconstruction of the Yuma main canal and road at Potholes. This work will be included in Schedule No. 1 of the portion of the canal now being offered for bids. It will involve 34,000 cu. yds. common excavation and 13,000 cu. yds. rock excavation.

The Government will remove the railroad tracks that are to be abandoned and relocate the railroad.

Seven Schedules

The work now edvertised is divided into 7 schedules comprising a total of 13 items, as follows:

Schedule No. 1—Sta. 245 to Sta. 537

(1) 1,290,000 cu. yds. excav. canal, common, Sta. 245 to Sta. 324;
(2) 4,225,000 cu. yds. excav. canal, common, Sta. 324 to Sta. 537;
(3) 10,000 cu. yds. excav. canal, rock;
(4) 34,000 cu. yds. excav. of Yuma Canal, common (reconstr. portholes);
(5) 13,000 cu. yds. excav. Yuma Canal rock (reconstr. at portholes);

Schedule No. 2—Sta. 537 to Sta. 800

(6) 5,800,000 cu. yds. excav. of canal, common;

Schedule No. 3—Sta. 800 to Sta. 1089

(7) 6,100,000 cu. yds. excav. of canal, common;

Schedule No. 4—Sta. 1089 to Sta. 1400

(except Stations 1140+50 to 1148+50 to 1148 +50 and Station 1161+00 to 1170+50)

(8) 7,150,000 cu. yds. excav. of canal, common;
(9) 5000 cu. yds. excav. of canal, com.

Schedule No. 5—Sta. 1400 to Sta. 1625

(10) 7,650,000 cu. yds. excav. of canal, common;

Schedule No. 6—Sta. 1625 to Sta. 1860

(11) 7,100,000 cu. yds. excav. of canal, common;

Schedule No. 7—Sta. 1140 +50 to Sta. 1148+50 and Sta. 1161+00 to Sta. 1170+50.

(12) 40,000 cu. yds. excav. of canal com.

The portion of the canal offered for bids involves nearly ten times as much excavation as was contained in the original schedules, for which bids were received December 20, 1933, so that large equipment charges can be readily absorbed at lower unit prices for excavation. The original bids were for a 4-mile section of the canal from Pilot Knob west involving 4,000,000 cu. yds. earth work and 500,000 cu. yds. rock excavation, but these were rejected as too high. The low bids on this work totaled $2,769,731.

Specifications have also been revised to greatly reduce the contingent liability arising from removal of drifting sand accumulating in completed sections of the big ditch.

The time allowed for completion of all the work is 1300 calendar days.

Personnel

Dr .Elwood Mead is commissioner of the Reclamation Bureau which will build the All-American canal for the government. R. F. Walter, Denver, Colo., is chief engineer of the Bureau. R. M. Priest is the resident engineer in charge of construction with headquarters at Yuma, Ariz., and R. C. E. Weber, Yuma, project superintendent.

BROADWAY TUNNEL CONTRACT AWARDED

Six Companies of California, 155 Sansome street, San Francisco, Tuesday was awarded the contract by directors of Joint Highway District No. 13 for the construction of the Broadway low-level tunnel in the Contra Costa hills between Alameda and Contra Costa counties. The award was made on the Six Companies' low bid of $3,683,931. The bids were opened May 22.

Simultaneously with the award Six Companies announced letting of sub-contracts to Alta Electric & Mechanical Co., San Francisco, for the electrical, mechanical and ventilation portions of the work, and to Mine Safety Appliance Co., San Francisco, for carbon monoxide equipment. Reinforcing steel is to be furnished by Pacific Coast Steel Corp., San Francisco.

MANTHEY PRESIDENT OF COUNTY ENGINEERS

Julius B. Manthey, San Joaquin county engineer, is president-elect of County Engineers' Association for 1934-35. Mr. Manthey was elected at the annual convention in Santa Cruz, held jointly with the convention of the County Supervisors.

Other officers of the engineers are A. C. Fulmore, Riverside, vice-president; Lloyd Bowman, Santa Cruz, secretary-treasurer.

CREEM DEFINES LABOR DUTIES ON BRIDGE JOBS

Distinction in Classification to Govern Administration of Wage Law

Definitions adopted by the State Division of Labor Statistics distinguishing between iron workers and laborers on bridge construction have been forwarded to the State Department of Public Works and to construction industry organizations by Joseph I. Creem, state labor commissioner.

The definitions were formulated after a conference of labor representatives and contractors arranged by the labor commissioner. They will govern the division in assessing penalties under the state prevailing rate law, Mr. Creem said.

Following is the text of the labor commissioner's finding:

On bridges and projects other than buildings where it is necessary to carry the steel on to the deck of the bridge or project, it is a laborer's work to carry the steel to panels adjacent to where it will be used, there to be laid in piles or lots from which point it shall be distributed and placed by the ironworkers. This also applies to work in connection with footings on bridges and such projects.

On bridges and projects other than buildings where derricks or other mechanical devices are used to hoist the steel, the distributing of this steel shall be done by the ironworkers after it has been released by the derrick or other mechanical device.

On buildings where it is necessary to carry the steel on to the deck, it is the laborer's work to carry the steel from the point of unloading on to the deck and lay the same in piles or lots, from which point it shall be distributed and placed by the ironworkers. This also applies to work in connection with building footings.

On buildings where derricks or other mechanical devices are used to hoist the steel, the distributing of this steel shall be done by the ironworkers after it has been released by the derrick or other mechanical device.

Shipments of malleable castings totaled 139,401 tons for the first four months of 1934, as compared with 56,868 tons for the same period of 1933; while production of the castings totaled 148,536 for the first four months of 1934, as compared with 54,943 for the same period of 1933, according to reports to the Department of Commerce.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

Recorded			Amount
268	Casentino	Owner	2000
269	Holt	Pahenhousen	3000
270	Union	Owner	3000
271	Lyon	Owner	2500
272	Brickell	Jacks	10000
273	Petit	Owner	3000
274	Lesoine	Petersen	2000
275	Pauson's	Schell	2000
276	Bagdanoff	Coburn	1000
277	Bancroft	Owner	1000
278	Bank	Koenig	1370
279	Rowels	Barrett	3000
280	Crystal	QRS	1500

ALTERATIONS
(268) NO. 411 ATHENS ST. Alter dwelling.
Owner—C. Casentino, Premises.
Architect—Not Given. $2000

ADDITION
(269) NO. 1601 MONTEREY BLVD. Add to dwelling.
Owner—H. B. Holt, 1601 Monterey Blvd., San Francisco.
Architect—Not Given.
Contractor—H. Papenhausen, 595 Victoria St., San Francisco. $3000

STATION
(270) NE ARGUELLO BLVD. AND California Street. One-ctory Class A service station.
Owner — Union Oil Co., 1096 Mills Bldg., San Francisco.
Architect—Edith M. Northman, 5369 Wilshire Blvd., Los Angelea. $3000

DWELLING
(271) SW TENTH AVE AND PAcheco St. One-etory and basement frame dwelling.
Owner—A. R. Lyon, 401 Phelan Bldg., San Francisco.
Architect—Not Given. $2500

ALTERATIONS
(272) NO. 154 SUTTER ST. Alter loft building.
Owner—John Brickell Co., % Architect.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Irvine, Inc., 74 New Montgomery St., San Francisco. $10,000

ALTERATIONS
(273) NO. 756 BAY ST. Alter dwelling.
Owner—Douglas Petit, 756 Bay St., San Francisco.
Architect — George deColmesnil, 111 Sutter St., San Francisco. $3000

ALTERATIONS
(274)3 NO. 575 SUTTER ST. Alter store and office.
Owner—Marcus & Lesonne, 279 O'Farrell St., San Francisco.
Architect—James M. Mitchel, 369 Pine St., San Francisco.
Contractor — Antone Petersen, 2758 San Bruno Ave., S. F. $2000

ALTERATIONS
(275) 200 KEARNY ST.; alter store.
Owner—Pauson's Clothing Store, 200 Kearny Street.
Architect—Not Given.
Contractor—Fred W. Schell, 1651 24th Street. $2,000

REPAIRS
(276) NO. 1033 DE HARO ST. Repair fire damage to dwelling.
Owner—P. Bogdanoff, Premises.
Architect—Not Given.
Contractor — Ira W. Coburn, 2048 Market St., San Francisco. $1000

ALTERATIONS
(277) NO. 729 MARKET ST. Alter theatre.
Owner — Bancroft Estate, Bancroft Bldg., San Francisco.
Architect—Not Given. $1000

REPAIRS
(278) NO. 270 FOURTEENTH ST. Repair fire damage to storage building.
Owner—Bank of America, 498 California St., San Francisco.
Architect—Not Given.
Contractor—C. J. Koenig, 520 Church St., San Francisco. $1370

BUILDING
(279) GORE VALENCIA AND MISsion Sts. One-story steel building
Owner—F. M. Rowels, Valencia and Market Sts., San Francisco.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $3000

SIGN
(280) NO. 1175 MARKET ST. Electric sign.
Owner—Crystal Palace Public Market Premises.
Architect—Not Given.
Contractor—QRS Neon Sign Co., 690 Potrero Ave., S. F. $1500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
222	California	Paige	7405
223	Hazel	Iresen	24000
224	Enright	Rose	1500
225	De Martini	Monroe	7000
226	Rosa	Owner	4000
227	Hildreth	Petersoon	4702
228	Durkee	Owner	10000

ALTERATIONS
(222) NO. 2625 HEARST AVENUE, **BERKELEY.** Additions.
Owner—California Gamma Phi Kappa Psi, Premises.
Architect—Not Given.
Contractor — Harold L. Paige, 5651 Oak Grove St., Oakland. $7405

ADDITION
(223) S G ST., bet. 86th and 89th Aves., **OAKLAND.** Steel addition.
Owner—Hazel Atlas Glass Co., Prem.
Architect—Not Given.
Contractor — Larsen & Larsen, 629 Bryant St., S. F. $24,000

REPAIRS
(224) NO. 695 THIRTY-THIRD ST., **OAKLAND.** Fire repairs.
Owner—A. C. Enright.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1500

DWELLING
(225) NO. 1154 SUNNYHILLS ROAD, **OAKLAND.** Two-story 8-room dwelling.
Owner—Louis De Martini, 1175 Trestle Glen Road, Oakland.
Architect—Not Given.
Contractor—W. J. Monroe, 5538 Claremont Ave., Oakland. $7000

ALTERATIONS
(226) NO. 7300 E-FOURTEENTH ST. **OAKLAND.** Alterations and addition.
Owner—A. P. Rosa, Premises.
Architect—Not Given. $4000

DWELLING
(227) NO. 6165 ASCOT DRIVE, **OAKLAND.** Two-story six-room dwelling.
Owner—E. V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland. $4702

WAREHOUSE
(228) NO. 738 HEINZ STREET, **BERKELEY.** One-story 1-room steel warehouse.
Owner—Durkee Famous Food, 2900 Fifth St., Berkeley.
Architect—Not Given. $10,000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
59	Crocker	Coburn	50000

REPAIRS
(59) POST, POWELL AND GEARY Sts. All work to repair fire damage and alterations to Hotel St. Francis.
Owner—The Crocker Hotel Co., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Filed May 25, '34. Dated May 24, '35.
Ready for plastering..... ½
When completed ..... ½
TOTAL COST, $50,000
Bond, $40,000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 calendar days. Forfeit, none. Plans and specifications filed.

BUILDING PERMITS

ALAMEDA COUNTY

38	Pacific	Rose	535

ALTERATIONS
(38) NO. 2120 BANCROFT WAY, Berkeley. All work for alterations.
Owner—Pacific Telephone Co., Prem.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland.
Filed May 24, '34. Dated May 14, '34.
On completion 75%
40 days after.....Balance
TOTAL COST, $535.61
Bond, $535.61. Surety, Pacific Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

SIGN, electric, $100; 371 Market St.; owner, Asher & Thomas, 371 Market St.; contractor, QRS Neon Sign Co., 690 Potrero Ave.

SIGN, electric, $200; 1175 Market St. owner, Crystal Palace Public Market, Prem.; contractor, QRS Neon, 690 Potrero Ave.

BARBER pole, $40; 1747 Fulton St.; owner, A. L. Oliver, Premises.

ALTER flats, $750; 3118 23rd St.; owner, Charles Greenberg, Prem.

ALTER dwelling, $120; 125 Dorchester Way; owner, W. F. Bouer, Prem.

SIGN, electric, $300; 2481 Lombard St. owner, H. B. Hansen, Premises; contractor, Brumfield Elec. Sign Co., 965 Folsom St.

SIGN, cloth, $20; 1107 Market St.; owner, Schneiders, 1107 Market; contractor, Daggett Sign Co., 335 Van Ness Ave.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
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17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

PLANS PREPARED

LOS ANGELES, Cal. — Architects Train & Cressey, 226 Western Mutual Life Bldg., have prepared plans for altering a four-story brick apartment house at 1026 Wilshire Blvd. for Mrs. Chas. H. Kegley. Work will consist of installing new foundations and footings under the front of the building, alter and rebuild entrance steps and platform , rebuild interior stairs, plaster the first story front, marble and tile work, etc. Work will probably be handled by day labor.

2— BONDS

BONDS FOR SALE

LOS ANGELES, Cal.—Until 2 P. M., June 4, bids will be received by the Los Angeles County Supervisors for the purchase of $21,000 bonds of the La Canada School District. The bonds will be dated May 1, 1934, and for the purchase of $21,000 bonds of check or cashier's check, 3%. Mame B. Beatty, 501 Hall of Records, Clerk of the Board.

BONDS SOLD

OAKLAND, Cal.—Broadway Tunnel bonds were sold to a syndicate composed of the Bank of America, American Securities Co., Dean Witter, Heller-Bruce Co. and Ellsworth Co., on a bid of $1,738,000 at 3¾% for bonds maturing 1935-1945, and $640,000 at 3½ percent on 1946 to 1949 maturity. A premium of $89.00 was included in the bid. R. H. Moulton Co., Weeden and Co., and Blythe & Co. submitted second high id at $948,000, 5%, 1935 to 1940 maturity and $1,430,000, at 3¾% on 1941 to 1949 maturity with a premium of $975.10.

BONDS FOR SALE

DUNNIGAN, Yolo Co., Cal.—Dunnigan School District will hold an election on June 7 at which time bonds in the amount of $9,000 will be sold. Funds are to finance construction of a new school building in Dunnigan for the Dunnigan School District. H. R. Saunders, clerk of the board of supervisors.

BONDS FOR SALE

LOWER LAKE, Lake Co., Cal.—Lower Lake Grammar School District will sell bonds in the amount of $10,000 on June 12. Funds are to finance construction of a one-story brick grammar school to contain three classrooms. John I. Easterly, 302 Grant St., Healdsburg, Architect.

BONDS SOLD

MANTECA, San Joaquin Co., Cal.—Bonds in the amount of $6000 were sold to the Farmers Mutual Fire Insurance Company by the Calla School District. Funds are to assist in financing the construction of a one-story frame and brick veneer school building in Manteca for the Calla School District, estimated to cost $19,000. Frank Mayo, 108 E. Miner St., Stockton, architect.

4 — FACTORIES & WAREHOUSES

PRELIMINARY PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved preliminary plans for the new shop and warehouse buildings to be built at Pine Ave. and Willow St., Long Beach. Roger K. Nissen and William Kenneth Beach. 1235 E. 10th St., Long Beach, are the architects. The group will constist of five buildings; construction will be steel frame, sheet steel sides, composition roofing, cement and asphalt floors, etc. Cost, $70,000.

May 25, 1934

Contract Awarded.

ADDITION Cost, $25,000
OAKLAND, Alameda Co., Cal. S G St., bet. 86th and 89th Aves.
Steel addition to factory.
Owner—Hazel Atlas Glass Company, Premises.
Architect—Not Given.
Contractor — Larsen & Larsen, 629 Bryant St., San Francisco.

Planned.

FACTORY Cost, $——
OAKLAND, Alameda Co., Cal. Second and Webster Streets.
Construct new factory (capacity of 250,000 lbs. or more of salami per month).
Owner—Golden State Salami Co., 601 Franklin St., Oakland (A. Zampa, Manager).
Architect—To be Selected.
The new site was recently selected, the previous location being givn as E-Fourteenth St. near 39th Avenue.

Sub-Contracts Awarded

GRAIN ELEVATOR Cost, $57,500
OAKLAND, Alameda Co., Cal. Oakland Waterfront. ....
Seven-story reinforced concrete grain elevator (200,000 bushel capacity; 40x90 feet) sprinkler system, piling excavation, etc.
Owner—Albers Bros. Milling Co., west end of 7th St., Oakland.
Plans by Engineering Dept. of Owner, Oconomowoc, Wis.
Contractor — Jones Hettelsater Const. Co., 600 Mutual Bldg., Kansas City Missouri.
Lumber — Sunset Lumber Co., 400 High St., Oakland. ....
Reinforcing Steel — Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Concrete Mix—Transit Co., 2500 Peralta St., Oakland.
Cement—Henry Cowell Lime & Cement Co., San Francisco.

FIRE LOSS

LINDSAY, Tulare Co., Cal.—Fire destroyed the Lucca Olive Oil plant May 5. Damage estimated at $140,000.

Sub-Contracts Awarded

ADDITION Cost, $25,000
OAKLAND, Alameda Co., Cal. South G St. bet. 86th and 89th Avenues.
Steel addition to factory.
Owner—Hazel Atlas Glass Company, Premises.
Plans by Engineering Dept. of Owner
Contractor — Larsen and Larsen, 629 Bryant St., San Francisco.
Structural Steel, Corrugated Iron and Roofing—Judson - Pacific Co., 609 Mission St., San Francisco.

PREPARING PLANS

LOS ANGELES, Cal.—Ryan A. Grut structural engineer, 1007 S. Grand Ave., is preparing structural plans for a group of buildings to be erected at 1957 Santee St. for the Knudsen Creamery Co. The group will consist of an office building and a labcratory building, each two stories in height, and a storage building and a packing building, each one story in height; steel frame construction, steel floor joists, wood roof trusses, loading platforms, insulation, mechanical transportation equipment, etc. Cost is estimated at $50,000. Bids will be taken by the owner starting next week.

Low Bidder

FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-etory brick and concrete pie factory (45x140 feet).
Owner—Channel Piu Co., 3566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder—H. W. Robertson, 3004 F St., Sacramento.
(3989) 1st report March 13; 7th, May 18, 1934.

BIDS WANTED

OAKLAND, Cal.—Until June 4, 4:30 P. M., bids will be received by A. H. Abel, Secretary, Board of Port Commissioners, Grove Street Pier, Oakland, for an automatic sprinkler system and fire hose piping in Terminal Building "E", Outer Harbor Terminal Oakland. Plans and specifications are available from above office upon deposit of $5.00.

Additional Contracts Awarded

REMODEL BREWERY Cost, $150,000
SAN FRANCISCO. 240 Second Street.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building, new bottling line, remodel bottling house.
Owner—Wieland Brewery (Walter Metzenbaum) 240 Second Street.
Engineer—Herman Noethit, 240 2nd St.
Painting—W. G. Thompson, 336 Church Street.
Boilers—E. A. Key Co., Inc., 17th and Connecticut Streets.
The general contract and paving contracts will be awarded within a few days.
As previously reported, steam cleaning awarded to California Maintenance Service, 665 Larkin Street; roofing to Pabco Roofing Service.
(4383) 1st report April 27; 4th, May 21, 1934.

May 28, 1934

PLANS BEING FIGURED

RIVERSIDE, Cal.—Architect Albert C. Martin, 228 Higgins Bldg., Los Angeles, is taking bids from a selected list of contractors for a walnut packing house to be erected in Riverside for the Riverside Walnut Growers' Assn. It will be a one-story and basement struture, 75x110 feet in area; concrete foundations, wood frame construction, metal lath and plaster exterior, composition roofing, maple floors, bins, plumbing, etc. The following contractors have been invited

to submit bids: W. P. Wiest & Co., 4338 Beatty Drive, Riverside; John Strona, Philadelphia and East End Aves., Pomona; J. V. Philbrick, 3717 Roosevelt Avenue, Arlington; T. C. Pritchard, 5260 Magnolia Ave., Riverside; Myers Bros., 3407 San Fernando Road, Los Angeles; L. Engberg, 3673 Oakwood, Riverside; Cresmer Mfg. Co., 2601 Third St., Riverside; Duncan and Mitchell, Riverside; E. C. Wise, Riverside.

Contract Awarded
COTTON COMPRESS
Contract Price, $239,861
STOCKTON, San Joaquin Co., Calif. Stockton Waterfront.
One - story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.
Owner—City of Stockton (Port Commission), City Hall, Stockton.
Plans by Engineering Dept. of Owner, (Col. B. C. Allin, Port Director).
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Contract awarded on work complete omitting Unit "E)).
Following are the sub-contracts submitted with the general bid of the Mr. Chain, low bidder:
Excavation & Roads—R. E. McCarthy, 603 Eastworth St., Stockton.
Pumping System—Sterling Pump Co., 646 S. California St., Stockton.
Railroad Construction—Willard & Biasotti, 40 W. Clay St., Stockton.
Roofing—Stockton Roofing Co., 736 N. Hunter St., Stockton.
Mill Work—Electric Planing Mill, Hazelton and Monroe Sts., Stockton.
Painting—J. F. Garrow, 51 E. Noble St., Stockton.
Water System—F. W. Snook, 596 Clay St., San Francisco.
Cotton Compress Machinery—Robt. S. Webb, Minden, Louisiana.
Boiler Room Equipment—F. W. Snook Co., 596 Clay St., San Francisco.
Plumbing—Miller Hayes Co., 742 East Miner St., Stockton.
Sprinkler System—Grinnell Co. of the Pacific, 601 Brannan Street, San Francisco.
Electric Wiring and Fixtures—C. J. Franke, 748 E. Weber Ave., Stockton.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

Preparing Preliminary Plans
WINERY Cost, $60,000
MODESTO, Stanislaus Co., Calif.
Construct new winery.
Owner—Withheld.
Architect—Martin J. Rist, Phelan Bldg., San Francisco.

Contract Awarded.
BOILER HOUSE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. No. 261 W. Julian Street.
Boiler House
Owner—Guggenhime Co., Premises.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—Chester A. Higgins, 342 Spencer Ave., San Jose.

Paving Contract Awarded.
REMODEL BREWERY Cost, $150,000
SAN FRANCISCO, No. 240 Second St.
Remodel brewery (revamp brew house, cooperage barrels, concrete work, painting, steam cleaning of building, new bottling line, remodel bottling house.
Owner — Weiland Brewery (Walter Metzenbaum), 240 Second St.
Engineer—Herman Noethit, 240 Second St., San Francisco.
Paving—Trinidad Mastic Constr. Co., Inc., 32 Andrews St., San Francisco.
As previously reported, painting awarded to W. G. Thompson, 336 Church St.; boilers to John Key, 750 Bay St.; steam cleaning to California Maintenance Service, 565 Larkin St.; roofing to Pabco Roofing Service.

Sub-Contracts Awarded
WAREHOUSE Cost, $13,000
SAN JOSE, Santa Clara Co., Calif. Race and Moorpark Streets.
One-story wood frame warehouse corrugated iron sides and roof (concrete foundations).
Owner—United States Products Co., Premises.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Contractor—Summers Const. Co., 17 N. First St., San Jose.
Lumber and Mill Work—Pacific Mfg. Co., Santa Clara.
Sheet Metal—H. Moltzen, San Jose.
Iron Work—R. Hellwig Iron Works, San Jose.
Hardware and Corrugated Iron—San Jose Hardware Co., San Jose.
Roofing—California Roofing Co., San Jose.
Fire Doors—Fire Protection Co., San Francisco.

Contract Awarded.
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two-story reinforced concrete warehouse (518x101 feet) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors, electric elevator, 520 ft. of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Bros., Oakland.
Contractor—K. E. Parker Co., 135 So. Park, San Francisco.

To Be Done By Day's Work.
WAREHOUSE Cost, $10,000
BERKELEY, Alameda Co., Cal. No. 738 Heinz Street.
One-story steel warehouse.
Owner — Durkee Famous Food, 2900 Fifth St., Berkeley.
Plans by Engineering Dept. of Owner.

6— GARAGES & SERVICE STATIONS

To Be Done By Day's Work.
ALTERATIONS Cost, $1500
SAN FRANCISCO, No. 128 Valencia Street.
Alterations to auto sales room.
Owner—J. C. Berendsen, 883 Market St., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
STATION Cost, $3000
SAN FRANCISCO, NE Arguello Blvd. and California St.
One-story Class A service station.
Owner — Union Oil Co., 1096 Mills Bldg., San Francisco.
Plans by Engineering Dept. of Owner.

Contract Awarded — Sub-Bids Being Taken.
ALTER GARAGE Cost, $50,000
SAN FRANCISCO, Seventeenth, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Pacific Greyhound Lines, Inc. 9 Main St., San Francisco.
Architect—Miller & Pflueger, 580 Market St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Sub-bids are being taken on all portions of the work.

Contract Awarded.
ALTER GARAGE Cost, $10,000
SAN LUIS OBISPO, San Luis Obispo Co., Cal. S Higuera St., between Chorro and Morro Sts.
Remodel present California Garage (new roofing, flooring, plastering, etc.)
Owner—Hattie and L. W. Luchessa, San Luis Obispo.
Architect—Not Given.
Contractor—Theo. Maino, 1424 Mill St., San Luis Obispo.

Sub-Contracts Awarded.
SERVICE STATION Cost, $2000
BERKELEY, Alameda Co., Cal. No. 1598 University Avenue.
One-story Class C service station.
Owner — F. Schumacher, 1017 Market St., San Francisco.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor — The Pheifer Co., 6221 Bromley St., Berkeley.
Contractor — The Pfeifer Co., 6221
Concrete. Steel and Brick—Pfeifer & Co., 6221 Bromley St., Oakland.
Lumber—Smith Lumber Co., 8th and Estuary, Oakland.

Plans Being Figured — Bids Close June 4.
SERVICE STATION Cost, $9000
STOCKTON, San Joaquin Co., Cal. No. 1504 Pacific Avenue.
One-story steel super service station (concrete floors).
Owner—General Petroleum Co., 1924 Broadway, Oakland.
Plans by Engineering Dept. of Owner.

Plans Being Completed.
BUS SHED Cost, $3500
SALINAS, Monterey Co., Cal. High School.
One-story frame and stucco bus shed (100x30 feet).
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 64 Maple St., Salinas.
Bids will be asked in one week.

7—FEDERAL BUILDING

Steel Contract Awarded.
ALTER LODGE BLDG. Cost, $—
TURLOCK, Stanislaus Co., Cal.
Alterations to lodge building (partitions work, structural steed, etc.)
Owner—Masonic Hall Association.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Steel—Nell & Wirtner, Turlock.
Bids are being taken on other portions of the work.

PLANNED
YUMA, Ariz.—Treasury Department has been authorized to install a cooling system in the new Yuma Federal building. The sum of $20,000 has been appropriated for the work.

Additional Prospective Bidders
EXTEND P. O. Cost, $110,000
SANTA CRUZ, Santa Cruz Co., Calif.
Extension and remodeling of present post office building.
Owner—United States Government.
Plans by Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open June 8:
Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis.
Schuler & McDonald, 1723 Webster St., Oakland.
William Spivock, Hobart Bldg., San Francisco.
K. E. Parker Co., San Francisco.
Herbert M. Baruch Corp., 625 South Olive St., Los Angeles.
Theriault Contracting Co., 534 East Johnson St., Philadelphia.
Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis.
Robert E. McKee, Central Bldg., Los Angeles.
B. Evans, 579 Monadnock Bldg., San Francisco.

Mechanical Engineering Service, 1315 H St., N. W. Washington, D. C.
Kreimberg & Son, 304 Mont Clair Ave., Ludlow, Ky.
Schuler & McDonald, 1723 Webster St., Oakland.
Wm. Spivock, Hobart Bldg., San Francisco.
K. E. Parker Co., San Francisco.
Herbert M. Baruch Corp., Los Angeles.
Therlault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.
This is a PWA project and is subject to PWA regulations.

Ornamental Iron Bids Being Taken
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor—Great Lakes Const. Co., 333 N. Michigan Ave., Chicago.
Ornamental iron bids are being received by the contractors in their eastern office.
Contract for ornamental iron for the stairways only was awarded to A. J. Bayer Co., 5901 Santa Fe Ave., Los Angeles.

BIDS WANTED
SAN FRANCISCO—Until June 4, 11 A. M., bids will be received by Veterans Administration, Fort Miley, San Francisco, for stuccoing exterior wood of garage building A-68 at Fort Miley. Specifications available from above office.

BIDS WANTED
PORTLAND, Oregon—Until June 21, 2 P. M., bids will be received by Treasury Dept., Procurement Division Public Works Branch, Washington, D. C., for painting plaster, etc., in the U. S. Court House, etc., at Portland, Oregon. Plans and specifications available from above office or from the Custodian of the building, Portland, Oregon.

CONTRACT AWARDED
FORT PECK, Montana—C. F. Haglin Co., 920 National Bldg., Minneapolis, Minn., at $742,242.55 submitted low bid and awarded contract by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of camp buildings, Group No. 3, at the site of the proposed Fort Peck construction camp.
The work includes temporary residences, laundry buildings, motion picture theatres, laboratory buildings, town hall, recreation building, store buildings, women's dormitories and women's mess halls. The total bids follow:
C. F. Haglin Co., Minneapolis, Minn., $742,242.55.
Great Lakes Constr. Co., Chicago, Ill., $745,547.
Long Constr. Co., Kansas City, Mo., $745,924.47.
Wm. MacDonald Constr. Co., St. Louis, Mo., $784,919.22.
Johnson, Drake & Piper, Inc., Minneapolis, Minn., $792,489.10.

SITE SELECTED
EL MONTE, Los Angeles Co., Cal.—Treasury Department has selected property on Lexington Ave., El Monte, as the site for the U. S. post office to be erected in this city. Purchases of the property will be completed within a few days. The sum of $48,500 has been appropriated for the project. Plans for the building will probably be prepared in the supervising architect's office in Washington.

BIDS OPENED
OROVILLE, Butte Co., Calif.—Following bids received by the Post Office Dept., Washington, D. C., for wood slat shades for two skylight openings in the U. S. post office at Oroville; Proposal No. 1447:
Hough Shade Corp., $64.20; Aeroshade Co., $86; Shredwood Curtain Co., $82.30; Warren Shade Co., $79.25; Raymond Porch Shade Co., $74.60.

PROSPECTIVE BIDDERS
HOQUIAM, Wash.—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on June 13, for stucco work, etc., for the U. S. post office at Hoquiam:
Guaranteed Waterproofing Co., Greensboro, North Carolina.
Malleable Asphalt Co., 6355 Broadway, Chicago.
Standard Maintenance Corp., 1965 Porter St., Detroit.
Graciano & Co., 8929 Frankstown Road, Pittsburgh, Pa.
East Coast Steeple-Jack Co., 1710 N. 12th St., Philadelphia.
Koppers Products Co., Koppers Seaboard Coke Bldg., Kearney, N. J.

BIDS OPENED
ELY, Nevada—Following bids received by the Post Office Department, Washington, D. C., for furniture for the Ely Post Office. Proposal No. 1455:
McLane Mfg. Co., $140, 3%; Morgan Lumber Q& Mfg. Co., $126, 2%; Keyless Lock Co., $130; Geo. Fensky Co., $138, 2%; Corbin Cabinet Lock Co., $136, 1%; Federal Equip. Co., $157 ½%; Huntington Church Furniture Co., $241, 2%; Original Cabinet Corp., $181.50, 5%.

CONTRACT AWARDED
SAN FRANCISCO—De Luca & Son, 1745 Filbert St., at $17,540 awarded contract by Constructing Quartermaster, Fort Mason, for the construction of a battery charging station and fire station in Dock Area, Fort Mason.
Complete bids published May 18.

BIDS OPENED
ELY, Nevada—Following bids received by Post Office Department, Washington, D. C., for steel shelving for the Ely Post Office. Proposal No 1457.
Federal Equip. Co., $108.15, Lyon Metal Products, $147.92; Interior Steel Equip. Co., $99.45; Struck Equip. & Supply Corp., $107.32.

BIDS WANTED
VALLEJO, Solano Co., Cal.—Until June 20, 12 Noon, bids will be received by the Custodian, Vallejo Post Office, for the construction of three bulletin boards, 30 inches wide and 40 inches long, for the Vallejo Post Office.

BIDS REJECTED
LOS ANGELES, Cal.—Public Works Branch, Treasury Department, Washington, D. C., rejected all bids for clearing the site of the proposed U. S. Post Office at Los Angeles. Bids were opened on January 18.

SITE PURCHASED
WOODLAND, Yolo Co., Cal.—U. S. Treasury Department has purchased the property on south side of Court Street between Second and Third, for the site of the proposed new post office building for Woodland. Cost was $7,000.

CONTRACT AWARDED
FORT PECK, Montana — Johnson Drake & Piper, Baker Bldg., Minneapolis, Minnesota, at $140,212.30, awarded contract by the U. S. Engineer Office, 707 Postal Telegraph Building, Kansas City, Mo., for construction of camp buildings included in group 2 (administration building, permanent residences, temporary public buildings and industrial buildings, at the site of the proposed construction camp at Fort Peck Dam, Montana.

BID OPENING DATE POSTPONED
FRANCE FIELD, Canal Zone.—Until June 6, (date postponed from June 5) bids will be received by the Army Department, Construction Division, Washington, D. C., for the construction of one 110-man barracks and one 200-man barracks and utilities at France Field, Canal Zone. A date for opening bids was previously set for April 30.

Contract Awarded.
ALTERATIONS Cost, $——
ALAMEDA, Alameda Co., Cal.
Alterations and additions to lodge building (enlarge banquet hall, change stage, dressing rooms, etc.)
Owner—Odd Fellows Lodge, No. 25.
Architect—Not Given.
Contractor—Miles Sutherland, Ala.

BIDS WANTED
SEATTLE, Wash.—Bids are being received by the Custodian, Seattle Post Office for Directional Signs for U. S. Post Office, Seattle, Wash.

PROSPECTIVE BIDDERS
CARLSBAD, New Mexico.—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on June 12th for the construction of the U. S. Post Office building in Carlsbad, N. M., appropriation $72,600:
Herbert M. Baruch Corp., 625 S. Olive St., Los Angeles.
A. Smith & Co., 100 N. La Salle St., Chicago, Ill.
Lundberg-Richter Co., Inc., Oceanport, New Jersey.

COMPLETE BID LISTING
SAN FRANCISCO, Calif.—As previously reported, H. A. Framburg & Co., 3320 Carroll Ave., Chicago, at $8,478, submitted low bid to Treasury Department, Washington, D. C., for furnishing and installing interior lighting fixtures in the U. S. Federal Office Bldg., San Francisco.
Following bids received:
H. A. Framburg & Co., Chicago, Ill., $8,478.00.
Boyd Lighting Fixture Co., San Francisco, $8,998.00.
Schweitzer Bros. Inc., 137 W. Pico, Los Angeles, $9,048.00.
Edwin F. Guith Co., St. Louis, Mo., $9,233.00.
Dixen Electrical Contractors, Inc., Richmond Hill, $9,660.00.
Phoenix-Day Co., San Francisco, $11,462.27.
Bids held under advisement.

BIDS WANTED
SALT LAKE CITY, Utah—Until June 14, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for enlarging entrance vestibules in the Post Office and Court House, Salt Lake City, Utah.

BIDS WANTED
BINGHAM CANYON, Utah—Until June 12, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for a lobby desk in the U. S. Post Office, Bingham Canyon, Utah. Specifications available from Custodian.

BIDS WANTED
VALLEJO, Solano Co., Cal.—Bids are being received by the Custodian, Vallejo Post Office, for the construc-

tion of three bulletin boards for the Post Office, Vallejo.

CONTRACT AWARDED
LONGVIEW, Wash.—H. T. Henderson, Longview, at $288 awarded contract by Treasury Department, for waterproofing exterior brick work of the U. S. post office building at Longview.

8— CLUB BUILDINGS

Planned.
RECREATION HALL Cost, $——
CUPERTINO, Santa Clara Co., Cal.
Construct new recreation center and meeting hall (450 square feet of floor space, equipped stage, dressing rooms, offices, etc.)
Owner—Jugoslav Society, Cuperinto.
Architect—Not Selected.

Sub-Contracts Awarded
ADDITION Cost, $6000
SAN FRANCISCO. 454 Valencia St.
Addition to lodge rooms and auditorium.
Owner—Irish American Hall Association, 454 Valencia Street.
Engineer—Ellison and Russell, Pacific Building.
Contractor—Robt. McCarthy, 1363 14th Avenue.
Masonry—Concrete Readymix Co., 18th and Carolina Streets.
Electric Wiring—Dowd-Seid Co., 2118 Mission Street.
Roofing—James Reilly, 20 Isabel St.
Painting—Thomas Walsh, 259 Church.
Plastering—M. J. King, 666 Mission.
Lumber—Sudden Lumber Co., Evans and Quint Streets.
Hardware—F. G. Norman & Son, 890 Valencia Street.
Sub-bids are being taken on heating, mill work, sheet metal, tile work and magnesite floors, glass and glazing.
Construction has just been started.

9— HOSPITALS

FUNDS GRANTED
SACRAMENTO, Cal.—Public Works Administration granted $13,700 to the County of Sacramento for the construction of the Sacramento County Home for Aged Women, to be erected in Sacramento. Building is estimated to cost $40,000. Harry Devine, California State Life Bldg., Sacramento, architect.

PLANNED
SANTA BARBARA, Cal.—Santa Barbara County Supervisors have instructed Supervisor Fred Stevens to have plans prepared for a 30-room building for tubercular children to be erected at Santa Barbara County general hospital. The building, which will be located north of the present tuberculosis wing of the hospital, will cost between $10,000 and $15,000.

PLANNED
TAFT, Kern Co., Cal.—Taft civic organizations and oil companies have named a board of control to formulate plans for a proposed semi-public hospital building to be erected in Taft. Dr. A. R. Moodie and Dr. Carl W. Johnson have taken an active part in meetings that have been held in behalf of the project. The hospital has been under consideration since the destruction of the West Side hospital by fire some months ago, and the program has made considerable progress since the defeat of a bond issue last month which was intended to provide funds for a branch of the Kern general hospital.

Contract Awarded.
SERVICE STATION Cost, $3000
SAN FRANCISCO. Gore Valencia & Mission Streets.
One-story steel service station.
Owner—F. M. Rowels, Valencia and Market Sts., San Francisco.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

11—ICE AND COLD STORAGE PLANTS

PROSPECTIVE BIDDERS
WHIPPLE, Arizona — Following have procured plans for the purpose of submitting bids to the Veterans' Administration, Washington, D. C., on June 12 for constructing additional refreigeration in buildings Nos. 45, 57, 81, at the Veterans' Administration Facility, Whipple, Arizona:
Baker Ice Machine Co., Inc., 351 S. Anderson St., Los Angeles.
Mechanical Engineering Service, Washington, D. C.
Kohlenberger Engineering Corp., Fullerton.
Parker Ice Machine Co., San Bernardino.
York Ice Machinery Co., 1238 N. 4th St., Philadelphia, Pa.
Creamery Package Co., 2412 Walnut St., Philadelphia, Pa.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Contract Awarded
MEMORIAL Cont. Price, $62,639
MONTEREY, Monterey Co., Cal. Civic Center.
Two-story steel frame and reinforced concrete Memorial (to house city offices) tile roof, steam heating system, plaster exterior, etc.
Owner—Trustees of Few Estate (to be deeded to the City).
Architect—W. C. Raignel, Hotel Del Monte and C. J. Ryland, Monterey
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Following is list of sub-contractors submitted by Mr. Geyer, which are to be approved:
Tynan Lumber Co., lumber; Work Lumber Co., millwork; A. Marotta, brick and stone work; C. L. Frost, tile and roofing; Langlais, electric wiring and fixtures; W. N. Ingram, lathing and plastering; C. W. Allaire, painting; Phillips Plb. & Htg. Co., plumbing, heating and sheet metal.

PLANNED
ELKO, Nevada—City of Elko is considering asking federal aid to assist financing the construction of a new fire house in Elko. Robert Warren, Jr., Elko, Nevada, is preparing preliminary plans.

Plans Being Figured.
AUDITORIUM Cost, $375,000
SAN JOSE. Santa Clara Co., Calif. Market and San Carlos Streets.
Two-story civic auditorium (seating capacity of 3800) smaller auditorium to seat 1000, stage, etc. (type of construction to be determined).
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

14— RESIDENCES

Construction Postponed Indefinitely.
RESIDENCE Cost, $——
BELMONT, San Mateo Co., Cal.
Two-story frame and stucco residence (six rooms, one bath) shingle roof, gas heating system, hardwood floors, tile baths, etc.
Owner—Withheld.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Low Bidder—A. Orton, 2249 Highway, Palo Alto.

Contract Awarded.
ADDITIONS Cost, $——
BERKELEY, Alameda Co., Cal. Spring Estate Road.
Addition to frame residence (add two rooms and remodel bath).
Owner—W. W. Kent.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—R. F. Parks, 1046 Peralta Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two-story frame and stucco residence (6 rooms and 2 baths) English Provincial Type, tiled baths, hot air heating system, hardwood floors, etc.
Owner—F. H. Dobbins, 1655 Euclid Ave., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.

Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
Two-story frame and stucco residence (6 rooms and 2 baths); tiled baths gas heating system, hardwood floors, etc.) Brittany Type.
Owner—Mason-McDuffy Co., 2101 Addison St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.

Electrical Contract Awarded.
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Cal.
Two-story and basement frame and stucco residence (7 rooms, 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Dr. C. Snoody, 820 Capitol St., Vallejo.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Electric—James Anderson, 2421 23rd Ave., Oakland.
Sub-bids are being taken on hardwood floors and painting. Other awards previously reported.

Prospective Bidders.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Calif. Las Haciendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.; 8 rooms and 4 baths).
Owner—E. L. Bundy.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Following have procured plans. Blds open June 9, 10 A. M.:
Lindgren & Swinerton, 225 Bush St., San Francisco.
Frank Appelbe, 2405 Acton Street, Oakland.
R. H. Sund, Los Gatos.
J. C. Monk, Los Gatos.
A. M. Jensen, Los Gatos.

Contract Awarded.
RESIDENCE Cost, $7000
OAKLAND, Alameda Co., Cal. No. 1154 Sunnyhills Road.
Two-story frame and stucco residence (8 rooms).
Owner—Louis De Martini, 1175 Trestle Glen Road, Oakland.
Architect—Not Given.
Contractor—W. J. Monroe, 5538 Claremont Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Keeler St. near Forest Lane.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—C. R. Madison, 1517 LeRoy Ave., Berkeley.
Engineer—J. H. Piatt, 2024 University Ave., Berkeley.

Contract Awarded.
ADDITION Cost, $4000
SAN FRANCISCO. No. 1601 Monterey Blvd.
Addition to frame residence.
Owner—H. B. Holt, Premises.
Architect—Not Given.
Contractor—H. Papenhausen, 595 Victoria St., San Francisco.

Sub-Contracts Awarded
ADDITION Cost, $2,000
PALO ALTO, Santa Clara Co., Calif. 1935 Emerson Street.
Frame addition to residence.
Owner—Guido V. Wara.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Plumbing—J. Dahl, 325 Alma Street, Palo Alto.
Roofing—Reaves Roofing Co., Palo Alto.
Painting—R. Malgren, 551 Hanover St. Palo Alto.
Mill Work—Palo Alto Lbr. Co., Palo Alto.
Electric Wiring—Acme Elec. Co., 156 Hamilton St., Palo Alto.
Steel—Soule Steel Co., 1750 Army St., San Francisco.
Glass—Acme Glass Co., 851 Alma St., Palo Alto.
Lumber—Merner Lbr. Co., Palo Alto.

Sub-Contracts Awarded
RESIDENCE Cost, $56,806
LOS ALTOS, Santa Clara Co., Calif.
Two - story and basement frame and stucco residence.
Owner—Harold L. Hamilton, 570 Coleridge Ave., Palo Alto.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Brick Work—A. G. Anderson.
Tile—Art Tile & Mantel Co., 21 Oak St., San Francisco.
Mill Work—Pacific Mfg. Co., Santa Clara.
Plastering—A. H. Ditham, 1109 California Drive, Burlingame.
Glass—Acme Glass Co., 851 Alma St., Palo Alto.
Painting—Fred Sinz, Mt. View.
Ornamental Iron—H. Leibler.
Steel—Soule Steel Co., 1750 Army St., San Francisco.
Rolling Screens—Arthur Metal Co., 1841 Howard St., San Francisco.
Hardwood Floors—Henry Jensen, Palo Alto.
Plumbing—L. & S. Sanitary Co., 521 Emerson St., Palo Alto.
Heating — W. S. Sterling, 1125 King St., Redwood City.
Electric Wiring—Acme Elec. Co., 156 Hamilton St., Palo Alto.
Roofing Tile—Reaves Roofing Co., 280 California St., Palo Alto.
Septic Tank—Merit Concrete Products Co., 589 W. Santa Clara, San Jose.
Weatherstripping — Chamberlin Metal Weatherstripping Co., 155 S. La Brea Ave., Los Angeles.

Plans Being Completed
RESIDENCE Cost, $6000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story frame and stucco residence (6 rooms, 2 baths) shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Owner—F. W. Confer.
Architect—Fred. Confer, 2812 Russell St., Berkeley.
Bids will be asked in about 10 days.

Plans Completed
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and stucco residence (10 rooms and 5 baths).
Owner—Thomas Driscoll, 444 California St., San Francisco.
Architect—L. P. Hobart, Crocker Bldg. San Francisco.

Sub-Contracts Awarded
ALTERATIONS, ETC. Cost, $8231
SAN FRANCISCO. 828 Camino Del Mar.
Alterations and additions to frame residence (add one story, etc.)
Owner—A. J. Howell, % architect.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks and Irvine, 74 New Montgomery Street.
Roofing—Alta Roofing Co., 976 Indiana Street.
Sheet Metal—Lowell Davison, 375 Monterey Blvd.

Contract Awarded.
RESIDENCE Cost, $5000
STOCKTON, San Joaquin Co., Cal. No. 2028-30 N-California St.
One-story frame and stucco duplex residence.
Owner—James and Lillie Smith, 430 E. Chestnut St., Stockton.
Architect—Not Given.
Contractor—Frank P. Guyon, 1211 E. Main St., Stockton.

Contract Awarded.
RESIDENCE Cost, $7000
STOCKTON, San Joaquin Co., Cal. No. 1243 West Willow St.
Two-story frame and brick veneer residence (7 rooms).
Owner —Buck, Taylor & Dovie.
Architect—Not Given.
Contractor — Wm. Wheeler, 244 E-Pine St., Stockton.

Sub-Bids Being Taken.
ALTERATIONS Cost, $7405
BERKELEY, Alameda Co., Cal. No. 2625 Hearst Avenue.
Alterations and additions to fraternity house.
Owner—California Gamma Phi Kappa Psi House Assn., Premises.
Architect—Harris C. Allen, 557 Market St., San Francisco.
Contractor—Harold L. Paige, 565 Oak Grove Ave., Oakland.

To Be Done By Day's Work.
ALTERATIONS Cost, $3000
SAN FRANCISCO. No. 756 Bay St.
Alterations to residence.
Owner—Douglas Petit, 756 Bay St., San Francisco.
Architect — George deColmesnil, 111 Sutter St., San Francisco.

CONTRACT AWARDED
RENO, Nevada.—C D. Jameson, 220 Maple St., Reno, awarded contract for a two-story, New Orleans type residence to be built at Reno for Mrs. Garvey. Paul R. Williams, 3839 Wilshire Blvd., Los Angeles, architect. It will contain 14 rooms and will be of frame construction, shingle tile roofing, oak, pine and linoleum floors, pine trim, double-hung windows, General Electric heating and air conditioning system, tiled bathrooms and drainboard, garages, etc.

Plans Being Figured—Bids Close June 9, 10 A. M.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Calif. Las Haciendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.; 8 rooms and 4 baths).
Owner—E. L. Bundy.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $13,000
PIEDMONT, Alameda Co., Cal. No. 511 Mempton Road.
Two-story and basement frame and stucco residence (10 rooms).
Owner — Dr. Edwin M. Taylor, 1125 Sunnyhills Road, Piedmont.
Architect—William K. Strickland, 1278 Sunnyhills Road, Piedmont.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.
Plumbing—W. H. Picard, 5656 College Ave., Oakland.
Plastering — Henry Koenig, 4418 Ygnacio Ave., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Roofing—W. L. Riedout, 641 Central Ave., Oakland.
As previously reported: brick was awarded to Wilhelm Holst, 2827 Park St., Berkeley; lumber, Sunset Lumber Co., 100 High St., Oakland; electric to Fred Schmidts, 430 Moss Ave., Oakland; sheet metal to Charles Moll, 5371 Bond Street, Oakland; grading to Worden & Forsythe, San Leandro.

BIDS OPENED
SAN PEDRO, Los Angeles Co., Cal. —Contracting Engineers, Inc., 2310½ W. Vernon St., Los Angeles, at $7636 submitted low bid to Lighthouse Department, San Francisco, for construction of a dwelling at the San Pedro Lighthouse Station. Following bids received:

Contracting Engrs., Inc., L. A	$7636
W. O. Brunzell, Gardena	7684
G. P. Christensen, Los Angeles	7796
L. H. Jacobsen, Los Angeles	7998
Jonese Bros., Beverly Hills	8279
A. H. Arend, Los Angeles	8476
R. E. Campbell, Los Angeles	8431
H. F. Dierket, Los Angeles	8491
W. J. Esser, Long Beach	8613
A. E. Allen, Long Beach	8649
Chas. E. Dorffman, Los Angeles	8694
Johnson & Hansen, Long Beach	8888
Geo. C. Aitkenhead, San Pedro	8991
J. M. Lenney & Son, Long Beach	9014

Bids referred to Washington for award.

Plans Being Prepared.
ADDITIONS Cost, $5000
ATHERTON, San Mateo Co., Cal. Isabella Avenue.
Alterations and additions to present residence.
Owner—H. N. Kuechler Jr., Isabella Ave., Atherton.
Architect—Jos. L. Stewart, 400 Sansome St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
One-story and basement frame and stucco residence (5 rooms), shake roof, gas heating system, hardwood floors, tiled baths, etc.
Owner and Builder—Marcus Peel, 10 Oakvale Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Roofing—Marshall Shingle Co., 3729 Telegraph Ave., Oakland.
Plastering—Carl H. Franzen, 883 54th St., Oakland.

Sash and Doors—Sunset Lumber Co., 400 High St., Oakland.
Steel Sash—Gleeson Steel Products Co., 63rd and Doyle Sts., Emeryville.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.

Being Done By Day's Work.
ADDITIONS Cost, $5000
ATHERTON, San Mateo Co., Calif. Isabella Avenue.
Alterations and additions to present residence.
Owner—H. N. Kuechler, Jr., Isabella Ave., Atherton.
Architect—Jos. L. Stewart, 400 Sansome St., San Francisco.
Mgr. of Const.—C. L. Joubet, Premises.

15— SCHOOLS

PLANNED
SACRAMENTO COUNTY, Cal. — Broderick, Bryte and West Sacramento are joining forces to hold an election seeking formation of a Union High School District with a $25,000 bond issue to start the building program. Further details will be announced at a later date.

BOND ELECTION
LINDA, Yuba Co., Cal. — Linda Elementary School District will hold an election June 18, at which time bonds in the amount of $7000 will be voted to finance construction of school improvements in the Linda Elementary School District. William Dinsmore, E. M. Dunning and R. H. Davidson, Trustees of the school district.

Planned.
SCHOOL WING Cost, $18,000
SALINAS, Monterey Co., Cal.
One - story concrete or frame and stucco wing addition to Salinas High School (replace one recently destroyed by fire).
Owner—Salinas High School District.
Architect—Charles Butner, 51 Mayle St., Salinas.

CONTRACT AWARDED
SANTA ROSA, Sonoma Co., Cal.—Pacific Heating & Ventilating Co., 2059 Webster St., Oakland, at $5590 awarded contract by Santa Rosa School District, for the installation of a steam heating system in the Santa Rosa gymnasium. Leland & Haley, 58 Sutter St., San Francisco, Mechanical Engineers. Following bids received:

Pacific Heating & Ventilating Co., Oakland	$5590
O'Mara & Stewart, S. F.	5632
Knittle Bros., San Francisco	5777
M. J. Reeves, San Francisco	5724
Scott Co., San Francisco	5823
George C. Bell, Oakland	5847
Carpenter & Mendenhall, Sacto.	6012
Carl T. Doell, Oakland	6058
F. W. Snook, San Francisco	6220
James A. Nelson, San Francisco	6589
J. H. Pinkerton, S. F.	6770

Bids Opened.
ADDITION Cost, $——
MILL VALLEY, Marin Co., Cal.
One-story frame and stucco addition to Tamalpais Park School (add 1 classroom and 1 cloakroom).
Owner—Mill Valley School District
Architect—Walter Falch, Hearst Bldg. San Francisco.
Low Bidder—Melvin Klyce, 26 Eugene St., Mill Valley.
Following bids received:

Melvin Klyce	$5573
P. Burris	5595
B. Nelson	5692
Clinton Stephenson Constr. Co. San Francisco	5950
J. Childs	6098

All of Mill Valley unless noted otherwise. Bids held under advisement.

Being Done By Day's Work.
FOUNDATIONS Cost, $——
ALBANY, Alameda Co., Calif.
Excavation and concrete foundations for proposed ten classroom high school.
Owner—Albany High School District.
Architect—Dragon & Schmdits, 3016 Telegraph Ave., Berkeley.
Excavation and concrete foundations are being done by day's labor under the SERA. Cost approximately $3,000.

PLANS COMPLETED
PASADENA, Los Angeles Co., Cal. —Architect Frederick Kennedy, Jr., 1041 E. Green Street, Pasadena, has completed plans for altering, rehabilitating and strengthening the Washington elementary school for the Pasadena board of education. The building will be divided into separate structures. Work will include the removal of a portion of the exterior brick walls and repairing with reinforced gunite, etc. The plans are now being checked by the State Division of Architecture. Cost, $100,000.

COMPLETING PLANS
PASADENA, Los Angeles Co., Cal. —Architect Frederick Kennedy, Jr., 1041 E. Green St., Pasadena, is completing working drawings for repairing, strengthening and rehabilitating the Abraham Lincoln school for the Pasadena board of education. A portion of the exterior brick walls will be removed and replaced with reinforced gunite, reinforced concrete columns, structural steel, etc. Cost, $60,000.

COMPLETING PLANS
PASADENA, Los Angeles Co., Cal. —Architects Hunt & Chalmers, 408 S. Spring St., Los Angeles, are completing plans for a new school building to be built at the Garfield school site for the Pasadena board of education. It will be a one- and two-story structure, containing classrooms kindergarten department, assembly room and administrative offices. Construction will be reinforced concrete, composition roofing, maple and concrete floors, steam heating system, blackboards, steel toilet partitions, etc. Cost, $100,000.

TO ASK BIDS
PASADENA, Los Angeles Co., Cal. —Pasadena board of education will advertise for bids this week for altering and strengthening the Andrew Jackson elementary school. Plans were prepared by Architects Marston & Maybury, 25 S. Euclid Ave., Pasadena. The structure will be repaired with reinforced gunite at an estimated cost of $100,000. Bids will probably be opened about the middle of June.

STEEL CONTRACT AWARDED
PRESCOTT, Arizona.—Allison Steel Mfg. Co., P. O. Box 1343, Phoenix, has been awarded a contract by the Yavapai County Chamber of Commerce for structural steel to be used in the construction of the new Northern Arizona state fair stadium at Prescott. The stadium will be 460 ft. long and 60 ft. wide.

PREPARING PLANS
BEVERLY HILLS, Los Angeles Co. Cal.—Edward C. Taylor and Ellis W. Taylor, architects and engineers, 803 W. 3rd St., Los Angeles, are preparing working drawings for a primary grade and kindergarten building to be erected on the Horace Mann school site, Charleville Blvd. and Arnaz Dr., Beverly Hills, for the Beverly Hills School District. It will be a one-story, L-shaped structure, extreme dimensions 88x109 feet, containing three classrooms, kindergarten, work room, teachers' room, kitchen and toilets; reinforced concrete construction, stucco exterior, cast stone trim, tile and composition roof, hardwood floors, drinking fountains, etc. It has not been determined whether the steam heating system in the present Horace Mann school will be extended to serve the new building or whether an individual unit heating system will be installed.

Plans Being Completed
SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Calif.
One-story concrete elementary school building (six classrooms) concrete exterior walls, flat roof, steam heating system, maple and linoleum floors, etc.
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans will be forwarded to Sacramento for approval in about 2 weeks.

Plans Complete
REPAIR SCHOOL Cost, $36,700
SAN FRANCISCO.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer—H.J. Brunnier, Sharon Bldg.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

BIDS WANTED
RANDSBURG, Kern Co., Cal.—Until 7 p. m. June 25, bids will be received by the Antelope Valley Joint Union High School District for the construction of a one-story 2-classroom, frame school building at Randsburg, Kern County. Plans and specifications are on file with the secretary of the district at Lancaster. Each bid must be accompanied by a certified or cashier's check or bid bond for not less than 5% of the amount of the bid, made payable to the order of J. W. Mays, clerk.

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co. Cal.—Jones Bros., 9430 Santa Monica Blvd., Beverly Hills, awarded a contract by Beverly Hills board of education for repairing and reconditioning the kindergarten building at the Beverly Vista school, 200 S. Elm Dr., Beverly Hills. Holmes and Narver, Stock Exchange Bldg., engineers, and Gable & Wyant, 3723 Wilshire Blvd., architects. Work will consist of removing a portion of the brick exterior wall and replacing with reinforced concrete. Bids were opened May 18.

Prospective Bidders
SCHOOL Cost, $45,000
WOODBRIDGE, San Joaquin Co., Cal.
Two - story brick elementary school building (six classrooms) tile roof, steam heating system, wood floors.
Owner—Woodbridge Elementary School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Following have procured plans. Bids open June 6, 2 P. M.:
L. S. Peletz, 1660 W. Acacia St.
John J. Cavanagh, 219 N. Sutter St.
J. C. Nunley, 1735 W. Rose St.
John Hackman, P. O. Box No. 206.
George Roek, 1724 W. Cornell St.
H. E. Vivkroy, 123 W. Park St.
Azevedo & Sarmento, 920 O Street, Sacramento.
All bidders of Stockton unless otherwise noted. Plans and specifications available at the office of the architect upon deposit of $15.00.
(3615) 1st report Jan. 30; 8th, May 24, 1934.

PLANS COMPLETE

SIMI, Ventura Co., Cal.—Architect Albert C. Martin, 228 Higgins Bldg., Los Angeles, has completed plans for reconstructing and strengthening the high school building at Simi for the Simi Valley Union High School Dist. Plans have been submitted to the state division of architecture for approval.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Calif. — Los Angeles board of education has commisioned the followlng structural engineers and architects to prepare preliminary drawings including analyses, structural design computations and estimates of cost for the reconstruction, rehabilitation and strengthening of the following school buildings:

Fifty-second Street school (main brick building), Aaron J. Smith, structural engineer, 3726 Lemon Ave., Long Beach; cost, $26,880.

Malabar Street school (annex bldg.) Ernest Soller, structural engineer, 5016 Hartwick St., Los Angeles; Cost $59,360.

Riggin Avenue school (main building), Maurice Sasso, structural engineer, 1. W. Hellman Bld.; Cost $61,600.

Sixth Avenue school (main building), Ryan A. Grut, structural engineer, 1067 S. Grand Ave.; Cost $89, 040.

Wood Crest school (annex less auditorium and arcade), J. J. Rees Engineering Co., 5455 Clinton St.; Cost $22,400.

Jacob A. Riis high school (shop buildings), Laurance J. Waller, the structural engineer, 257 S. Berendo St.; Cost, $17,920.

University High school, main building), Paul E. Jeffers, structural engineer, 816 W. 5th St.; Cost, $109,760.

Logan Street school (main brick building), Henry F. Withey, 405 S. Western Ave., engineering and architectural plans; Cost $43,680.

Pacoima school (main building), Hibbard, Gerity & Kerton, architects 816 W. 5th St., engineering and architectural plans; Cost, $30,408.

Sheridan Street school (norah bldg. south bldg. less auditorium), Architects Grant & Bruner, Ltd., 607 Ferguson Bldg. architectural and engineering plans. Cost, $61,600.

The Palms school (main building, north and south wings), E. T. Heitschmidt, architect, 417 S. Hill St., engineering and architectural plans; Cost, $45,360

Heliotrope Avenue school (main building), Architect Joseph Kaiser, 5849 S. Van Ness Ave., architectural and engineering plans, Cost, $35,504.

Tweedy school (main brick building), J. A. Larralde, architect, 3839 Wilshire Blvd., engineering and architectural plans; Cost, $23,968.

Lafayette junior high school (main building less auditorium and shop buildings), Architects John and Donald B. Parkinson, 808 Title Insurance Bldg., Cost, $132,160.

John Muir junior high school (main building, annex building, cafeteria and domestic science, and mechanical arts buildings), John C. Austin and Frederic M. Ashley, architects, Chamber of Commerce Bldg.; engineering and architectural plans, Cost $171,-584.

Van Nuys high school (annex eliminating cloister), Architects Allison & Allison, 1014 Edison Bldg. Cost, $44,-800.

Ornamental Iron Contract Awarded

MANUAL ARTS BLDG. Cost, $10,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco manual art building for Woodrow Wilson Grammar School (composition roof wood floors, etc., 2 classrooms)
Owner — Daly City Grammar School District, W. J. Sweeney, Clerk.
Architect—Albert Roller, Crocker 1st Nat'l. Bank Bldg., San Francisco.
Contractor—Frank J. Reilly, 6359 Fulton St., San Francisco.
Ornamental Iron—Patterson & Koster Iron Works, 280 13th St., San Francisco.
Sub-contracts on other portions of the work reported May 22.

PREPARING PLANS

PASADENA, Los Angeles Co., Cal. —Architects Bennett & Haskell, 311 First Trust Bldg., Pasadena, are preparing working drawings for repairing and strengthening the Madison elementary school for the Pasadena board of education. Brick exterior will be removed and replaced with reinforced gunite and cross wall construction. Cost, $110,000.

PREPARING PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has authorized the Architectural Division of the Board, A. S. Nibecker Jr., Architect, to prepare architectural plans and specifications for reconstructing, rehabilitating and strengthening the new brick building at the Rowan Avenue School, 600 S. Rowan Avenue. C. J. Derrick, Structural Engineer, 501 Architects' Bldg. Cost, $80,640.

BOND ELECTION

SAN MATEO, Cal.—An election will be held on June 25 by the San Mateo Junior College District at which time bonds in the amount of $80,000 will be voted to finance construction of a new junior college in San Mateo. Harold Hammill, 381 Bush St., San Francisco, engineer.

PREPARING PRELIMINARY PLANS

SANTA MONICA, Los Angeles Co., Cal.—Architects Marsh, Smith & Powell, 816 W. 5th St., are preparing preliminary sketches for an 8-classroom building replacement at the Roosevelt School and a 12-classroom building replacement at the Washington School for the Santa Monica Board of Education.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned Architect Arthur R. Hutchason, 1001 Architects' Bldg., to prepare plans for reconstructing the main building, auditorium, classroom and shop buildings at the John Burroughs Junior High School, 600 S. McCadden Place. R. McC. Beanfield, 615 Chamber of Commerce Bldg., Structural Engineer. Cost, $191,050.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved completed plans for the new David Starr Jordan High School for the purpose of submitting them to the state division of architecture for checking. Martin C. Parker, 1071 E. Broadway, Long Beach, is the architect. The group will consist of five buildings; the science, study hall and library, classroom, administration and shop buildings. Construction will be frame and stucco, tile and composition roofing, reinforced concrete corridors, maple floors, steam heating, blackboards, etc. Cost, $199,000.

Plans Being Completed

REPAIR SCHOOL Cost, $60,000
SAN FRANCISCO. Twelfth Ave. and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.
Plans will be forwarded to the State Division of Architecture in about one week.

PREPARING PLANS

WILLOWBROOK, Los Angeles Co., Cal.—Ryan A. Grut, structural engineer, 1007 S. Grand Ave., Los Angeles, will prepare structural engineering drawings and specifications for reconstructing Willowbrook school. Architect Herbert E. Mackie and John P. Perrine, Western Pacific Bldg., Los Angeles, are preparing the architectural plans.

PLANNED

LAS VEGAS, Nevada—Las Vegas Board of Education, O. K. Adcock, president, has invited architects to submit pencil sketches and cost estimates for a new structure to replace the Las Vegas Grammar School which was destroyed by fire May 14. The Board will consider plans for three schemes: 1. A one-story,12-classrooms building with auditorium; 2, a one-story, 12-classroom building without auditorium; 3, an auditorium with seating capacity of 1200. The buildings are to be fireproof structures and designed so that they can be added to in the future. Original cost of the building destroyed by fire was $143,000.

PREPARING PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has commissioned the architectural division of the board A. S. Nihecker, Jr., architect, to prepare architectural plans reconstructing, strengthening and rehabtilitating, the Center Avenue School (main building), 11101 Walnut Ave., Inglewood. L. J. Waller, structural engineer, 257 S. Berendo St. Cost, $57,344.

Bid Opening Date Postponed Until June 11, 7:30 P. M.

ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
Additions to concrete elementary school building (add three classrooms and lunch room) and additions to concrete, brick and tile elementary school (add two classrooms and lunch rooms).
Owner — Roseville Elementary School District, (Pete Priest, Clerk).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Plans and specifications available from office of the architect upon deposit of $15.00.
Certified check of 10% of amount bid required with bid.
ROSEVILLE, Placer Co., Cal.

Bid Opening Date Postponed Until June 11, 7:30 P. M.

SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
One - story brick elementary school building (9 classrooms and lunch room).
Owner — Roseville Elementary School District, (Pete Priest, Clerk).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Plans and specifications available from office of the architect upon deposit of $15.00.
Certified check of 10% of amount bid required with bid.

COMMISIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education, has commissioned Architect Lyle Nelson Barcume, 5369 Wilshire Blvd., to prepare plans for reconstructing the main brick build-

ing less third story at the Twentieth Street School, 1353 E. 20th St. Structural plans are being prepared by Engineer Harold P. King, 5369 Wilshire Blvd. Cost, $36,568.

COMMISSIOENED TO PREPARE PLANS

ONTARIO, San Bernardino Co., Cal. —Architect Harry L. Pierce, 1443 Mt. Pleasanton St., Los Angeles, has been commissioned to prepare plans for a one-and two-story reinforced concrete women's gymnasium building, (100x150 feet) to be erected at Chaffey Junior College, Ontorio, for Chaffey Union High School District. Preliminary plans have been approved. Cost, $65,000.

PREPARING PLANS

RIVERA, Los Angeles Co., Cal.—Ryan A. Gut, structural engineer, 1007 S. Grand Ave., Los Angeles, has signed a contract for preparing structural engineering drawings and specifications for reconstructing the Rivera School. Architect Herbert E. Mackle and John Paxton Perrine, Western Pacific Bldg., Los Angeles, preparing architectural plans.

TO ASK BIDS

HUNTINGTON BEACH, Orange Co. Cal.—State Board of Public Building Reconstruction, 311 California State Bldg., Los Angeles, will probably call for bids next week for a new school building to be erected in Huntington Beach for the Huntington Beach Elemetary School District. It will be a two-story structure, 267x162 feet in area, containing 31 classrooms and an auditorium to seat 500 persons; reinforced concrete and steel construction, composition roofing, steam heat, ventilating system, concrete floors, wood sash, etc. Estimated cost $250,000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

PLANS APPROVED

LONG BEACH, Cal.—Long Beach Board of Education has approved working drawings for rebuilding and reconstructing the Robert E. Lee corner of Temple Ave. and 16th St., Long Beach. Plans were prepared by Architect George W. Kahrs, 1224 Linden Ave., Long Beach, and Structural Engineers J. D. Davies, aid C. W. Wailes Jr., 1005 Ocean Center Bldg., Long Beach. The building will contain 15 classrooms, library, kindergarten, offices and auditorium to seat 394 students. Construction will be frame and stucco, tile and composition roofing, maple floors, concrete corridors, steam heating, tile work, metal lath, etc. Cost, $110,000.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved working drawings and bids will be advertised soon for the English building to be built on thee Long Beach Junior Colleg site, 845 Park Ave., Long Beach. Kirtland Cutter, architects, Farmers and Merchants Bank Bldg., Long Beach; J. H. Davies and D. C. Walles, Jr., structural engineers, 1005 Ocean Center Bldg., Long Beach. Construction will be frame and stucco, tile and composition roofing, reinforced concrete corridors and maple floors, steam heating, blackboards, etc. Cost, $50,000.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved working drawings for buildings "D" and "F" to be built at the Alexander Hamilton Junior High School site. Plans were prepared by Architect and Engineer Schilling & Schilling, and Structural Engineer C. G. De Swarte, 145 Linden Ave., Long Beach. Construction will be steel frame, steel studs, gunite walls, cement plaster exterior, composition roofing, concrete corridors, steam heating, etc. Cost, $260,000

PLANNED

BERKELEY, Cal.—Berkeley School Board has received the following estimates for strengthening four school buiddings

Hillside School	$ 59,500
John Muir	40,000
Berkeley High School Gym	100,000
Garfield Junior High	140,000

Rehabilitation of all schools has been estimated at $4,300,000. Further details will be announced shortly.

BIDS WANTED

SAN JOSE, Santa Clara Co., Cal.—Until June 12, 5 P. M., bids will be received by Walter L. Bachrodt, Secretary, San Jose Board of Education, for lumber, medical supplies, oils and greases for shops, paint supplies and suplies for the repair department for the school year, 1934-1935. Specifications are on file in the office of the City Superintendent of Schools, San Jose.

PLANNED

HEALDSBURG, Sonoma Co., Cal. —Healdsburg Grammar School Dist. has asked architects to submit competitive sketches for the proposed new grammar school building to be erected in Healdsburg. Tentative plans call for a one-story frame and stucco school building to contain six classrooms. John A. Reiners, is a member of the school board.

PLANNED

WATSONVILLE, Santa Cruz Co., Cal.—Supt. of Schools, T. S. MacQuiddy, received information that the state division of architecture will inspect school buildings in Watsonville in the near future to determine necessary improvements to meet earthquake law. Further details will be announced at a later date.

BOND ELECTION PLANNED

ARCADIA, Los Angeles Co., Cal.—Arcadia City School District trustees are considering a proposal to submit a bond issue to the voters of Arcadia to provide funds for the purpose of reconstructing the First Avenue grammar school. The plan under consideration contemplates the removal of all hollow tile walls and replacing with pressed steel studding bolted to the present concrete foundation; shore up roof and ceiling construction while the new exterior walls are being built; apply metal lath and stucco to the exterior walls and metal lath and plaster to the interior; all walls surrounding the auditorium to be replaced with steel studding and the present roof trusses to be strengthened and diagonally braced. Cost, $45,000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects. 5

16—BANKS, STORES AND OFFICES

CONTRACT AWARDED

LOS ANGELES, Cal.—Pacific Mfg. Co., Santa Clara, at $3946 awarded contract by Department of Public Works for sectional partitions for the Motor Vehicle Office in Los Angeles.

Sub-Contracts Awarded.

STORE Cost, $7000
BERKELEY, Alameda Co., Cal. No. 1841 Solano Avenue.
One-story frame and stucco store bldg.
Owner—F. C. Turner, 2710 Durant St., Berkeley.
Architect — W. Steilberg, 1 Orchard Lane, Berkeley.
Contractor—H. K. Henderson, 20 Avis Road, Berkeley.
Concrete—Ensor Buell, 2927 Lorina St., Berkeley.
Plumbing—Harry Kyle, 1538 Lafayette St., Alameda.
Electric Work — Electric Service Co., 2415 California St., Berkeley.
Structural Steel—Judson-Pacific Co., Foot Park Ave., Oakland.
Reinforcing Steel — McGrath Steel, 2059 Webster St., Oakland.
Roofing — Central Sheet Metal & Roofing Co., 3246 Ettie St., Oakland.

Sub-Contracts Awarded

STORE Cost, $5,000
EAST PALO ALTO, Santa Clara Co., Cal. University Avenue.
One-story frame and stucco store (3 rooms, bar room).
Owner—A. G. O'Melka.
Architect—Not Given.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.
Lumber—Merner Lbr. Co., Palo Alto.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Plumbing—H. Hansen, Palo Alto.
Plastering—R. W. Alberson, Palo Alto
Painting—Western Painting Co., Palo Alto.
Glass—Acme Glass Co., Palo Alto.
Mill Work — Progress Planing Mill, Palo Alto.
Sheet Metal—Spangler Sheet Metal Works, Palo Alto.

May 26, 1934

Contract Awarded.

ALTERATIONS Cost, $10,000
SAN FRANCISCO. No. 154 Sutter Street.
Alterations to loft building.
Owner—John Brickell Co.
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Irvine, Inc. 74 New Montgomery St., S. F.

Contract Awarded.

ALTERATIONS Cost, $2500
SAN FRANCISCO. No. 575 Sutter St.
Alterations to stores and offices.
Owner—Marcus & Lesoine, 279 O'Farrell St.
Architect — James M. Mitchell, 369 Pine St., San Francisco.
Contractor—Antone Petersen, 2758 San Bruno Ave., San Francisco.

Plans Being Figured—Bids Close June 6, 10 A. M.

REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8 story, mezzaninz floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Lank Bank (Willard D. Ellis, General Agent).
Architect—James Plachek, Berkeley Bank Bldg., Berkeley.
Bids are being taken on a general contract with separate bids for window shades, carpet, electrical fixtures and linoleum.

Contract Awarded.

ALTERATIONS Cost, $1500
SAN JOSE, Santa Clara Co., Cal. No. 1364 University Avenue.
Alterations to store building.
Owner—John Gallagher, Premises.
Architect—Not Gilven.
Contractor — W. M. Caldwell, 1241 Hedding St., San Jose.

Contract Awarded.

REMODEL STORE
Cont. Price, $35,000
SAN FRANCISCO. Sutter and Kearny Streets.
Remodel store building.
Owner—Pauson's Store.

Architect—Miller & Pflueger, 580 Market St., San Francisco.
Contractor—Fred W. Schell, 1651 24th Ave., San Francisco.
Sub-bids are in and will be awarded shortly.

Bids Opened
ALTER BLDG. Cost, $——
SAN FRANCISCO. 300 Front Street.
Alterations to warehouse.
Owner—Geo. Hermann, 300 Front St.
Plans by Edgar P. Ames, 2177 Pacific Avenue.
Low Bidder—Wm. Martin, 666 Mission Street.
Following bids received:

William Martin	$2,728
Clinton Stephenson Const. Co.	2,823
Mullen Mfg. Co.	2,867
Chas. Stockholm & Son	2,939
G. P. W. Jensen	3,248

Bids held under advisement.

Plastering Bids Being Taken.
ALTER STORES Cost, $10,000
SAN FRANCISCO. SE Eddy and Mason Streets.
Alterations to store building.
Owner—A. W. Wilson.
Architect — C. A. Meussdorffer, 785 Market St., San Francisco.
Contractor—Monson Bros., 475 Sixth St., San Francisco.
Plastering bids are being taken by the architect.
As previously reported marbie contract awarded to Eisele & Dondero, 2895 Third Street.

Contract Awarded.
ALTER STORE Cont. Price, $7695
SAN FRANCISCO. No. 460 Bryant Street.
Alterations and additions to store building.
Owner—Edward Lyons.
Architect—Albert Roller, Crocker 1st National Bank Bldg., S. F.
Contractor—H. Abrahams, 50 Silliman St., San Francisco.

May 24, 1934
Segregated Bids Being Taken
ALTERATIONS Cost, $——
BERKELEY, Alameda Co., Cal. 2162 Center Street.
Alterations and additions to tea room (new base, sheet metal work, replacements, exterior painting).
Owner—Roberta Tea Room, 2162 Center St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
(4561) • 16

May 24, 1934
Segregated Bids Being Taken
REMODEL BANK Cost, $10,000
WOODLAND, Yolo Co., Cal. Main and College Streets.
Remodel present bank building (work includes new front, adding mezzanine floor, new lighting fixtures, reinforcing steel, etc.)
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.
Architect—L. J. Hendy, care Capital Co., 625 Market St., San Francisco
(3950) 1st report March 8; 4th, May 22, 1934. • 16

May 24, 1934
To Be Done By Day's Work.
ALTERATIONS Cost, $16,000
OAKLAND, Alameda Co., Cal. No. 1615 Telegraph Avenue.
Alterations to building.
Owner—Mannings, Inc., 365 Brannan St., San Francisco.
Plans by Engineering Dept. of Owner.
(4566) • 16

Stairway Bids Being Taken.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 949 Market Street.
Alterations to building (work includes changes in stairs, ornamental iron work, concrete, marble and tile).
Owner—Sam Kaprialian.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Plans Being Revised.
OFFICE BLDG. Cost, $10,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One-story frame and stucco doctors' office building (12 rooms) shingle roof, 3 gas heating units, linoleum, mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Hertzka & Knowles, 982 Bryant St., San Francisco.
Bids will be asked in about two weeks.

Plans Being Figured.
INN Cost, $——
ARCATA, Humboldt Co., Cal. Redwood Highway.
One-story frame and stucco roadside inn (redwood shingle and composition roof, etc); main dining room dance hall, 10 booths, private dining room, kitchen, appurtenances and residential quarters.
Owner—Not Given.
Architect — Franklin T. Georgeson, Eureka, Calif.

Plans Being Completed.
CAFE Cost, $75,000
SAN FRANCISCO. Merrie Way, North Sutro Baths.
Two-story, basement and mezzanine floor cafe (frame and stucco construction, tile roof, hot air heating system, full kitchen equipment, bar, lounge, porches, foyer; dining room with seating capacity of 750)
Owner—Hacienda del Mar, Inc.
Architect—S. Heiman, 605 Market St., San Francisco.
Bids will be asked in about one week.

Planned.
ALTERATIONS Cost, $——
WOODLAND, Yolo Co., Cal. Main Street.
Alterations for store building.
Owner—Safeway Stores, 4th and Jackson Sts., Oakland.
Plans by Engineering Dept. of Owner.

Prospective Bidders.
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One-story reinforced concrete bank building, composition roofing, steam heat, etc.)
Owner — Bank of America National Trust & Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (Mr. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Following have procured plans. Bids open June 4:
E. T. Leiter & Son, 811 37th St., Oakland.
Clinton Stephenson Constr. Co., 550 Montgomery St., San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
H. H. Larsen, 64 South Park, San Francisco.
Hannah & Woolridge, 268 Market St., San Francisco.
San Francisco Constr. Co., 3159 Fillmore St., San Francisco.
Lewis & Green, P. O. Box 121, Stockton.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN MATEO, San Mateo Co., Cal. No. 233 Grand Avenue.
Alterations to store building.
Owner—G. S. Whitehead, 233 Grand Ave., San Mateo.
Architect—Not Given.
Contractor — G. H. Bouns, 27 13th Ave., San Mateo.

PERMIT APPLIED FOR
LOS ANGELES, Calif. — Richards-Neustadt Co., builder, 5500 Boyle Ave. applied for building permit to alter 7-story, class A brick and concrete store building at 600 W. 7th Street for Robinson Fireproof Building Co., owner, 600 W. 7th St.; plans prepared by E. L. Mayberry, architect, and E. S. Marsh, structural engineer, 3900 E. 3rd St., Long Beach. Work consists of removing face brick on exterior walls of the building and substituting steel and gunite and tile and terra cotta facing. Cost, $100,000.

Contract Awarded
ALTERATIONS Cost, $16,000
OAKLAND, Alameda Co., Calif. 1615 Telegraph Avenue.
Alterations to building.
Owner—Mannings, Inc., 365 Brannan St., San Francisco (P. E. Walker, in charge).
Plans by Engineering Dept. of Owner.
Contractor—Dinwiddie Const. Co., Crocker Bldg., San Francisco.
Plumbing and electric wiring bids are now being received by the owners. •

17— THEATRES

May 29, 1934
Preparing Working Drawings.
THEATRE Cost, $120,000
REDDING, Shasta Co., Cal.
One-story and balcony reinforced concrete and probably structural steel frame theatre building (to seat 1400) tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Plans will be completed in sixty days.

Plans Being Figured — To Close June 8th.
THEATRE Cost, $70,000
PITTSBURG, Contra Costa Co., Cal.
One - story and balcony structural steel and reinforced concrete theatre (to seat 1000) composition roof, steam heating system, etc.
Owner—Withheld.
Architect—F. F. Amandes, 1879 16th Ave., San Francisco.

18— WHARVES & DOCKS

CONTRACT AWARDED
WHARF EXTENSION
Contract Price, $65,939
SAN FRANCISCO. Pier No. 42.
140-foot timber shed extension and improvements to pier.
Owner — State of California (Harbor Commission), Ferry Bldg.
Plans by Engineering Dept. of Owner (Frank G. White, engineer).
Work includes Portland cement rails and fitting, creosoted piles, concrete aggregate, inert admixture, steel reinforcement, structural steel, cast iron, lumber, untreated Douglas fir piles, painting materials, etc.
Contractor — Healy-Tibbits Construction Co., 64 Pine Street.
Following bids received:
(1) work complete.
(2) driving 132 additional piles.
(3) Total.
Healy-Tibbitts Construction Co., (1) $63,167; (2) $2,772; (3) $65,939.
M. B. McGowan, (1) $65,386; (2) $6,600; (3) $71,986.
A. W. Kitchen, (1) $68,906; (2) $3,927; (3) $72,833.
Ben C. Gerwick, (1) $68,366; (2) $4,851; (3) $73,217.
Duncanson Harrelson Company, (1) $74,176; $5,940, (3) $80,116.

19—MISC. CONSTRUCTION

BIDS WANTED

BOULDER CANYON, Nevada—Until June 18, 2 P. M., bids will be received by the Bureau of Reclamation, Elwood Mead, Commissioner, Denver, Colorado, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, cranes and hoists for installation in the Boulder Dam, power plant, and appurtenant works, Boulder Canyon Project, Arizona - California - Nevada, as follows:

(1) One 10-ton traveling crane with a span of 30 feet;
(2) Two 15-ton traveling cranes with spans of 14-ft. 4-in.;
(3) Two 4-ton traveling cranes with spans of 21 ft. 4 in.;
(4) Two 30-ton traveling cranes with 10-ton auxiliary hooks, one with a span of 32 ft. and one with a span of 33 ft.;
(5) Two 20-ton traveling cranes with spans of 33 ft. 3 in.;
(6) Two 4-ton traveling cranes with spans of 41 ft. 9 in.;
(7) Two 4-ton jib cranes, each with an effective radius of 35 ft.;
(8) One 5-ton stationary hoist;
(9) Two 3-ton mono-rail hoists;
(10) One 3-ton stationary hoists.

The cranes and hoists will be installed by the Government.

Plans and specifications obtainable from above.

PLANNED

PLAYA DEL REY, Los Angeles Co. Calif.—Los Angeles playground and recreation department has forwarded to Washington a plan for financing the proposed playground development project at Playa Del Rey beach. In addition to widening the beach for a distance of two miles and the construction of a boulevard, the plan contemplates the erection of four municipal beach club buildings, bathhouses, tennis and volley ball courts and other recreation facilities. Total estimated cost of the improvement is $1,483,000.

Contract Awarded.

ADDITIONS Cost, $——
KINGSBURG, Fresno Co., Cal. City Park.
Construct rest rooms in City Hall (concrete frame and stucco construction, plastering, etc.)
Owner—City of Kingsburg.
Architect—Not Given.
Contractor—F. O. Erickson, Supt. of Streets, Kingsburg.

FIRE LOSS

PLACERVILLE, Eldorado Co., Cal.—Fire destroyed the hotel, store, post office and other buildings at Echo Lake Resort owned by E. Y. Gray of Placerville. Estimate of damage not stated.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—California Steel Products Co., 490 Bay St., San Francisco, at $697 submitted low bid to Constructing Quartermaster, Hamilton Field, for the construction of one 75-ft. tubular steel flagpole at Hamilton Field. Following bids received:

California Steel Products Co., San Francisco $697.00
Price Building Specialties Co., San Francisco 850.00
Patent Scaffolding Co. of California, San Francisco 898.00
Taper Tube Pole Co. San Francisco 985.00

Bids held under advisement. *

CONSTRUCTION TO START SHORTLY

BUCKEYE, Ariz. — Buckeye Chamber of Commerce announces that work will start this week on the construction of a swimming pool one mile northeast of Buckeye. It will be a reinforced concrete structure, 50x125 feet.

BIDS REJECTED

OAKLAND, Cal.—Oakland City Port Commission has rejected all bids for strengthening supporting structure of elevated water tank at Outer Harbor Terminal, Oakland. New bids will be asked in two or three weeks. On previous bid opening lowest bid was submitted by the California Steel Products Co., San Francisco, at $2,450.

TO ASK BIDS

FLAGSTAFF, Ariz. — Arizona National Guard will call for bids within a few days, to be opened about June 15, for improvements at Fort Alexander H. Tuthill, near Flagstaff. Work will include 200 wooden floors, concrete floor for warehouse, steel water tank, water heater for the hospital, 18 dishwashing trays, a one-ton incinerator, metal tops for tables in the mess hall, coal bins for four bathhouses and additions to three latrines. Improvements will be financed by the PWA and will cost approximately $27-000. Oscar Temple, Phoenix, is adjutant general of the Arizona National Guard.

CONTRACT AWARDED

MARCH FIELD, Riverside Co., Cal.—Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, at $1542 awarded contract by the War Department for constructing radio towers at March Field, Riverside.

BONDS FOR SALE

PACIFIC GROVE, Manterey Co., Cal.—Bonds in the amount of $60,000 will be sold June 4 by the City of Pacific Grove. Funds are to finance construction of a municipal bathhouse on the McDougall property in Pacific Grove.

Being Done By Day's Work.

MISC. BLDGS. Cost, $——
YOSEMITE VALLEY, Cal. Wawona and Tuolumne Meadows.
Construct rest room, ranger station, bunk house, dining room, kitchen building, etc.
Owner — United States Government, (National Park Service).
Plans by National Park Service, 525 Market St., San Francisco.

Work is under way under the supervision of the Park Superintendent, Yosemite Valley.

CONTRACT AWARDED

SAN FRANCISCO—Crystal Palace Public Market, 1175 Market St., has awarded a contract to the QRS Neon Co., 690 Potrero Ave., at approximately $2000 for construction of an electric sign at 1175 Market St.

BIDS OPENED

PAPAGO INDIAN RESERVATION Arizona—New State Electric Co., 149 N. Sycamore Ave., Los Angeles, at $12,760 submitted low bid to the U. S. Indian Irrigation Service, Los Angeles, for constructing 10 miles of transmission lines for the Chiu Chui Project, Papago Indian Reservation, Arizona.

White & Stein, Casa Grande, Arizona, at $13,603, were previously reported the low bidders.

The bid of the New State Electric Co. was received by mail too late to be read at the bid opening, May 18, but had been mailed in sufficient time to reach the office before the hour set for opening of bids. 19

CONTRACT AWARDED

FORT PECK, Montana—P. O'Brien Montgomery, 3125 Knox St., Dallas, Texas, at $79,429.11 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for the construction of an electrical distribution system at Fort Peck, Montana. 19

Contract Awarded.

TEA HOUSE Cost, $1500
ALAMEDA, Alameda Co., Cal. No. 717 Peru Street.
One-story frame and stucco tea house, tar and gravel roof, tile roof.
Owner—Robert H. Swayne.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
(4556) * 19

BIDS WANTED

VISALIA, Tulare Co., Cal.—Until June 6, 7:30 P. M., bids will be received by E. E. Baker, Clerk, Board of Trustees, Visalia Union High School District, for the construction (labor only) of four new Calrock Tennis Courts and the resurfacing of two old concrete courts with Calrock at the High School, Visalia. Specifications available from above office. Certified check in the amount of 5% of amount bid required with bid.
(4557) * 19

BIDS WANTED

MODOC COUNTY, Cal.—Bids will be received by the Modoc County Bd. of Supervisors until June 8, 10 A. M., for a franchise for the privilege of constructing and maintaining a Telegraph and Telephone System in Surprice Valley, Modoc County. William Wallace Smith has filed an application with the Board for the franchise.

ELECTION

LUCERNE, Lake Co., Cal.—June 6, has been set as the date of a special election on the formation of a lighting district in the Town of Lucerne, to be known as the Lucerne Lighting District.

Additional Sub-Contracts Awarded

ADDITION Cost, $65,000
LAWNDALE, San Mateo Co., Calif. Holy Cross Cemetery.
One - story reinforced concrete addition to mausoleum (marble and bronze interior) 38 by 80 feet, 500 crypts.
Owner—Roman Catholic Archbishop of San Francisco, 1110 Franklin St., San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—J. A. Bryant, Call Bldg., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Sheet Metal—Gullfoy Cornice Works, 1234 Howard St., San Francisco.
Skylights—Gunn, Carle & Co., 20 Potrero Ave., San Francisco.
Iron & Steel—McNeil & Steinberg.

As previously reported, marble contract awarded to Vermont Marble Co., 525 Market St. San Francisco, $27,637; roofing to J. W. Bender Co., 18th and Bryant St., San Francisco; readymix concrete to South City Lbr. Co., So. San Francisco; reinforcing steel to W. C. Hauck & Co., 17th and Wisconsin Streets, San Francisco; plumbing to Scott Co., 243 Minna St., San Francisco.

Plans Being Prepared
MORTUARY Cost, $——
SAN FRANCISCO. Mission Street.
Frame and stucco mortuary (to contain chapel, waiting rooms, offices embalming room, etc.)
Owner—Withheld.
Architect—N. W. Sexton, deYoung Building.

BIDS OPENED
HAMILTON FIELD, Marin Co., Cal.—Following submitted identical bids at $213.82 each, total of $855.28, for furnishing four air receiver tanks: 4 1½-in. safety valves; four double spring air gauges; four 2-in. check valves; four 2-in. globe valves; four ¾-in. globe valves:
California Steel Products Co., San Francisco.
Western Pipe & Steel Co., San Francisco.
Berkeley Steel Construction Co.
Boiler, Tank & Pipe Co., Oakland.
Bids held under advisement.

Structural Steel Contract Awarded
RACE TRACK Cost, $140,000
SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager) 1945 Broadway, San Francisco.
Architect—Maury I. Diggs, 364 14th St., Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Structural Steel—McClintic - Marshall Corp., 2050 Bryant St., San Francisco.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
BONNEVILLE, Ore.—Oregon Portland Cement Co., Oswego and Lime, Oregon, and the Portland Beaver Cement Co., Oswego, Ore., at $2.02 per barrel fob Bonneville, awarded contract by the U. S. Engineer Office, Portland, under Bid No. 34-660, for furnishing 300,000 barrels of Portland cement for the Bonneville project as follows:
Oregon Portland Cement Co., 100,000 barrels from Oswego and 100,000 from Lime.
Beaver Portland Cement Co., 100,000 barrels from Gold Hill.
Complete bids published May 18.

BIDS OPENED
BOULDER CANYON, Nevada—The following submitted identical bids of $314,600 to the U. S. Bureau of Reclamation, Denver, Colo., April 26, Proposal 23140-A, for furnishing 11,000,000 lbs. reinforcing steel for Boulder Canyon:
Truscon Steel Co., Denver; Illinois Steel Co., Denver; Republic Steel Co., Youngstown, Ohio; Concrete Steel Co., Denver; Sheffield Steel Co., Kansas City; Jones & Laughlin Steel Co., Pittsburgh; Colorado Fuel & Iron Products Co., Denver; Missouri Rolling Mills Corp., St. Louis; Laclede Steel Co., St. Louis; Judson Mfg. Co., Oakland; Inland Steel Co., Chicago; Kilby Car & Foundry Co., Annisten, Ala.; Concrete Engrg. Co., Omaha, Neb.; Soule Steel Co., San Francisco.
Low bidder will be determined on the basis of lowest cost to Government, freight considered.

BIDS OPENED
BERKELEY, Alameda Co., Calif.—Following submitted bids to the Berkeley City Council for electric lamps for the fiscal year for the City of Berkeley. Prices are quoted as list prices with the discounts reading as follows:
University Radio and Electric Co., 29% (standard package) 19% (broken package).
Maxwell Hardware Co., 29% and 19%.
College Ave. Electric Co., 29% and 19%.
Electric Corporation, 34%.
Westinghouse Lamp Co., 29% and 19%.
General Electric Co., 29% and 19%.
White Electric Co., 35% (high grade standard package) 30% (high grade, broken package) 29% (regular, standard package) 19% (broken package).
Neighbor Electric Co., 34% (high grade).
State Electric Supply Co. 34% (high grade).

CONTRACT AWARDED
UKIAH, Cal.—J. H. Baxter & Co., 333 Montgomery St., San Francisco, awarded contract by Ukiah City Council for furnishing one carload of Western Red Cedar poles, f.o.b. Ukiah

BIDS OPENED
BAKERSFIELD, Kern Co., Calif.—Following bids received by the Bakersfield city council May 21 for furnishing road oil for use on the city streets for the period ending Dec. 31, 1934: Golden Bear Oil Co., 65c per bbl.; Standard Oil Co., Union Oil Co. and Associated Oil Co., 80c per bbl.

BIDS OPENED
OAKLAND, Cal.—The following submitted identical bids (Item 1) at $2.19 per bbl., and a total of $2190; (Item 2) at $2.39 per bbl., and a total of $2390, on May 23 to John H.Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, for (1) furnishing 1000 bbls. Standard Portland Cement and (2) 1000 bbls. Early Hardening Portland Cement to be delivered f.o.b. cars, Fairmount Avenue Spur, El Cerrito. Proposal No. 525:
Richmond Supply Co., Transit Concrete Co.; E. H. Higgins; Contra Costa Building Materials Co.; Golden Gate Stucco Co.; Harold S. Hughes; Rhodes & Kennedy; Richmond Navigation Co.; Cowell Bros.; Henry Cowell Lime & Cement Co.; Melrose Bldg. Materials Co.
*Rhodes & Jamieson submitted bids of $2.19 per bbl. for item (1) and $2.19 per bbl. for item (2). All bids plus sales tax. Bids held under advisement.
*

BIDS OPENED
OAKLAND, Cal.—Following submitted identical bids to the Oakland City Council for furnishing cement for the fiscal year, 1934-1935 at (1) Corporation Yard, carload lots, $1.90; (2) less than carloads lots, $2.412; (3) Spur track or railroad depot, carload lots, $1.90; (4) less than carload lots, $2.412 (5) warehouse delivery, carload lots, $1.90; (6) less than carload lots, $2.412.
Rhodes & Kennedy.
*Melrose Building Materials Co.
Henry Cowell Lime & Cement Co.
Transit Concrete Co.
**Rhodes & Jamieson.
*Did not bid on warehouse delivery cardload lots.
**Did not bid on warehouse delivery carload lots or less than carload lots.

BIDS OPENED
GOVERNMENT ISLAND, Cal.—The following bids were received on May 24 by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 964, for furnishing and fabricating all structural steel, bolts for field connections, and all miscellaneous portions necessary for the erection of one 200 ft. beam stiffening span:
Minneapolis Steel & Machinery Co., Minneapolis, $2144 f.o.b. Minneapolis, and $2574 f.o.b. Auburn; Schrader Iron Works, San Francisco, $2715 f.o.b. S. F.; McClintic-Marshall Co., Alameda $2104 f.o.b. Alameda; Dyer Bros. Golden West Iron Works, San Francisco, $2365 f.o.b. San Francisco; Judson-Pacific Co., San Francisco, $2358 f.o.b. San Francisco, and $2442 f.o.b. Auburn; Golden Gate Iron Works, San Francisco, $2284 f.o.b. San Francisco, and $2499 f.o.b. Auburn; Moore Dry Docks Oakland, $2498 f.o.b. Oakland.
All bids held under advisement.

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The only reliable ONE COAT Finishing Material for giving a waterproof non-skid and polished surface to Hard and Soft wood floors. Brings out the beauties of the grain in panneling and trim. Not only a surface finish, but also, a lasting penetrating preservative

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Telephone GArfield 8529

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until June 13, 8 P. M., informal bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, under Proposal No. 533 for delivery at storage platforms, the following:

(1) 200 tons quicklime to be delivered to San Pablo Filter Plant, El Cerrito;
(2) 10 tons hydrated lime, to be delivered at El Cerrito;
(3) 75 tons hydrated lime, to be delivered at Upper San Leandro Filter plant.

Specifications, etc., obtainable from the above office.

OAKLAND, Cal.—Until June 13, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, under Proposal L. S. 123, for furnishing the following materials for street paving repairs:

(1) 1,300 cu. ft. asph. concrete base course;
(2) 35,000 sq. ft. asph. street paving repair surface course;
(3) 3,000 sq. ft. asph. street paving repairs, skin patching only;
(4) 700 cu. yds. concrete, wet-mix, delivered at trench, exclusive of spreading.

Specifications obtainable from above office.

OAKLAND, Cal.—Until June 13, 8 P. M., informal bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th Street, Oakland, for furnishing 125,000 cu. ft. oxygen gas to be supplied in cylinders of 110 cu. ft. or 220 cu. ft. and 85,000 cu. ft. dissolved acetylene gas, under Proposal No. 532, to be delivered at Corporation Yard.

Specifications, etc., obtainable from above office.

OAKLAND, Cal.—Until June 13, 8 P. M., informal bids will be received by John H. Kimball, secretary, East Bay Municipal Utility District, 512 16th Street, Oakland, for furnishing 50,000 gals. gasoline in car tank lots, delivered at Corporation Yard. Proposal No. 528. The price to be posted as per date of June 13.

Specifications, etc., obtainable from above office.

U. S. FOREST SERVICE

LOS ANGELES, Cal.—Until June 4, 2 P. M., bids will be received by the U. S. Forest Service, 751 S. Figueroa St., Los Angeles, for furnishing 1600 ft. of 3-in. standard dipped pipe and black malleable fittings under Bid No. DPM 319.

GOVERNMENT ISLAND, Cal.—Until June 4, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Oakland, under Bid No. 973, for furnishing 10,000 un-punched 3½x3½-in. yellow background metal poison labels. Delivery fob bidder's shipping point and/or fob Sacramento.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until June 4, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, under Bid No. 972, for furnishing 500 boxes, with wood blocks glued in the bottom. Delivery fob bidder's shipping point and/or Government Island, Oakland.

Specifications obtainable from above office.

VETERANS' ADMIN.

WHIPPLE, Ariz.—Until 2:30 P. M., June 8, bids will be received by the Veterans' Administration, Construction Division, 764 Arlington Bldg., Washington, D. C., for food conveyors to be installed at the Veterans' Administration Facility, Whipple, Arizona. Proposal G-310.

WEST LOS ANGELES, Cal.—Until June 5, 2 P. M., bids will be received by the Veterans' Administration Facility, Sawtelle, for furnishing telephone transmitters, receivers, caps, shells, mouthpieces, ringers, switches, etc.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until June 6, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Bureau of Water and Power, Room 740, 207 S. Broadway, for complete carrier current pilot protective relay equipment. Spec. No. 1448.

ARTESIA CITY

ARTESIA, Cal.—Until June 7, 7:30 P. M., bids will be received by the Excelsior Union High School District for one 56- to 80-passenger bus body and one chassis, body wheel base to be not less than 230 inches and motor torque not less than 190 ft. lbs.

U. S. INDIAN SERVICE

COOLIDGE, Arizona—Until June 12, 2 P. M., bids will be received at the Project Office of the U. S. Indian Irrigation Service at Coolidge, Arizona, for furnishing power transformers, as follows:

(1) Four auto transformers, capacity 2000 KVA, 60-cycle, 44,000 to 69,000 volts, etc.
(2) Four 667 KVA transformers, single phase, 60-cycle, 66,000 to 12,000 volts, etc.
(3) Four 500 KVA transformers, single phase, 60-cycle, 66,000 to 12 000 volts, etc.
(4) Three 333 KVA transformers, single phase, 60-cycle, 66,000 to 12,000 volts, etc.
(5) Three 250 KVA transformers, single phase, 66,000 to 12,000 volts, etc.
(6) Six spare bushings.
(7) Tests.
(8) Services of erecting engineer.

Additional information and specifications can be obtained from Supervising Engineer, U. S. Indian Irrigation Service, 751 South Figueroa St., Los Angeles, and from the Project Engineer, San Carlos Project, Coolidge, Ariz., C. J. Moody, Project Engineer.

RECLAMATION SERVICE

BOULDER CANYON, Nevada—Until June 7, bids will be received by the Chief Engineer, Bureau of Reclamation, Denver, Colo., for furnishing 2 portable 400-ampere arc welding motor generator sets and 2 oxy-acetylene welding and cutting outfits for Boulder Power Plant.

DENVER, Colo.—Until June 6, 2 P. M., bids will be received by Bureau of Reclamation, Denver, for furnishing hydraulic testing machines for the Columbia Basin Project, Wash.; Casper-Alcova Project, Wyo.; Boulder Canyon Project, Nev.; Parker Dam Proj., California; Uncompahgre Proj., Colorado, and Verde Project, Arizona.

Bids will be taken as follows:

(1) six vertical hydraulic self-indicating, 200,000 lbs. capacity, compression type testing machines, for field laboratory use;

(2) one vertical, hydraulic, self-indicating, 300,000-lbs. capacity, universal type testing machine with hydraulic weighing system for research laboratory use.

(3) one universal type testing machine, same as item (2) except provided with pendulum indicating type of weighing system.

Specifications No. 618-D obtainable from the above.

SACRAMENTO COUNTY

COURTLAND, Cal.—Until June 13, 8 P. M., bids will be received by the Board of Trustees of Courtland Joint Union High School, Courtland, for chassis for 44-50 passenger school bus, and for one 44 and 50 passenger body. For further information, apply to E. E. Hudson, Courtland. S. Mercer Runyon, Secretary of the Board. Specifications obtainable at the Bates Joint Union School building. Bids shall include trade-in on Model 20 White.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment, as follows:

OIL, tung; 60,000 lbs.; Mare Island. Sch. 2582; June 8.
CLOTH, wire; 10,000 ft.; East and West Yards. Sch. 2582; June 12.
STEEL, corrugated galv. sheet steel, 50,000 lbs.; Mare Island; Sch. 2585 June 8.
STEEL, corrosion-resisting, sheet; 2500 lbs.; Mare Island. Sch. 2574; June 8.
OIL, castor; East and West Yards. Sch. 2602; June 12.
MATTING, cocoa; East and West Yards. Sch. 2599; June 12.
CARBONS, carbons; East and West Yards. Sch. 2597; June 12.
HOSE, gasoline; San Diego and Mare Island. Sch. 2609; June 12.
BURLAP, jute; East and West Yards. Sch. 2608; June 12.
PUMPS, emergency feed, fire and bilge pumps, and spare parts and tools; East and West Yards. Sch. 2579; June 12.
STEEL SHELVING; Mare Island. Sch. 2633-R; June 1.

Specifications obtainable from above

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

YOLO AND SACRAMENTO COUNTIES, Cal.—Until June 27, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a bridge across Sacramento River at M Street, Sacramento, consisting of one 209 ft. 6 in. through steel truss lift span; one 192 ft. 6 in. through steel truss fixed span; one 167 ft. 6 in. through steel truss fixed span and four steel girder spans from 34 ft. to 35 ft. in length. The approaches are to be graded and paved. The work involves

(1) 1 lot barricades and warning signs;
(2) 1 lot existing wharf removed and reconstructed;
(3) 1 only exist. bridge to be removed and disposed of;
(4) 2900 cu. yds. exist. conc. to be do;
(5) 8300 lin. ft. furnishing untreated Douglas Fir piles, 60 ft. and under, including test piles;
(6) 24,700 lin. ft. do, 60 ft. to 80 ft. do;
(7) 7800 lin. ft. furnishing creosoted Douglas Fir piles, 60 ft. and under, including test piles;
(8) 16,900 lin. ft. do, 60 to 80 ft. do;
(9) 922 each driving Douglas Fir piles, all length, creosoted and untreated, including test piles;
(10) 4620 lin. ft. furnishing reinf. concrete piles, including test piles;
(11) 77 each driving do;
(12) 97 MFBM Douglas Fir timber, detour towers and lift span;
(13) 156 MFBM Douglas Fir timber, detour, trestle and fenders;
(14) 75 MFBM Douglas Fir timber, main bridge fenders;
(15) 6100 cu. yds. struc. excav., Piers 5, 6 and 7;
(16) 2100 cu. yds. struc. excav., Pier 8;
(17) 820 cu. yds. struc. excav., Piers 1, 2, 3 and 4;
(18) 12,000 cu. yds. channel excav.;
(19) 800 cu. yds. rdwy. excav., unclass.;
(20) 1500 cu. yds. imported borrow;
(21) 4100 sq. yds. subgrade for pavement;
(22) 80 M. gals. water;
(23) 135 cu. yds. cushion course for pavement;
(24) 350 tons crushed rock base;
(25) 3210 cu. yds. Class A Portland cem. conc., footing blocks;
(26) 2400 cu. yds. do, structures;
(27) 70 cu. yds. do, railing and pylons
(28) 500 cu. yds. Class B Portland cement concrete, counterweights and balance blocks;
(29) 1930 cu. yds. do, piers;
(30) 375 cu. yds. Class F Portland cement concrete pave., rdwy.;
(31) 190 cu. yds. do, track;
(32) 1012 cu. yds. light weight conc.;
(33) 254,000 lbs. bar rein. steel;
(34) 63,000 lin. ft. welded reinforced trusses;
(35) 3,035,000 lbs. carbon struc. steel;
(36) 1,345,000 lbs. silicon struc. steel;
(37) 203,600 lbs. salvaged struc. steel;
(38) 1 lot ornamental steel railing;
(39) 120,000 lbs. cast steel, main bridge
(40) 9 each plate girder spans;
(41) 45,000 lbs. struc. metal, detour;
(42) 1 lot electrical and mechanical equipment, detour;
(43) 1 lot operator and control houses detour;
(44) 50 cu. yds. gravel and sand mixture, detour counterweights;
(45) 1 lot railway track work, detour
(46) 192,000 lbs. counterweight sheaves, shafts and bearings, main bridge;
(47) 124,000 lbs. balance chains;
(48) 88,000 lbs. ropes and sockets, main bridge;
(49) 82,000 lbs. operating machinery main bridge;
(50) 1 lot electrical and control equipment, do;
(51) 1 only gasoline engine unit, complete;
(52) 1 only machinery house on main bridge;
(53) 1 lot railway track work, main bridge;
(54) 800 tons asphalt concrete;
(55) 400 sq. yds. asph. paint binder
(56) 330 tons crushed gravel or stone bituminous treated surfacing;
(57) 20 tois cutback asphalt;
(58) 120 lin. ft. 12-in. CMP;
(59) 560 lin. ft. existing guard rail to be moved and reset;
(60) 1 only detour bridge to be removed and disposed of;
(61) 36 cu. yds. broken concrete riprap;
(62) 1 only watchman's shelter;
(63) 9 stations finishing roadway;
(64) 7 each monuments;
(65) 1 lot miscellaneous items of work
(66) 350,000 lbs. carbon structural steel plates.

NOTE—The State reserves the right to omit the work to be done under item 66 above and no additional compensation will be made to the contractor by reason of the omission of said item. The decision as to whether or not item 66 will be omitted will be made after the opening of bids and prior to the award of the contract.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco and Los Angeles, and the district in which the work is situated.

CONTRACT AWARDED

OAKLAND, Cal.—The Six Companies of California, 155 Sansome St., San Francisco, at $3,683,931 awarded contract by the Directors of Joint Highway District No. 13, Wallace Boggs, Chief Engineer, for the construction of a highway tunnel and roadway approaches from Broadway and Keith Ave., Oakland, to a point on the State Highway in Contra Costa county, approximately 1,400 ft. north of the Fish Ranch Road. The Six Companies has twenty days in which to sign the contract.

Complete bids published May 23.

The following sub-contracts have been awarded:

Electrical, Mechanical and Ventilation—Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.

Reinforcing Steel—Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco.

Carbon Monoxide Detectors and Recorders — Mine Safety Appliances Co., 206 First St., San Francisco.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

AWARD

YUBA AND BUTTE COUNTIES, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $3952 awarded contract by State Highway Commission, Sacramento, for repairing two bridges, one near the north city limits of Marysville, and the other 10 miles north of Marysville, in Yuba and Butte Counties.

BIDS WANTED

SAN JOSE, Santa Clara Co., Calif.—Until June 4, 5 P. M., as previously reported, bids will be received by John J. Lynch, City Clerk, San Jose, in the San Jose City Hall, for the construction of a reinforced concrete girder bridge on Fox Avenue over the Guadalupe river in the San Jose. The work involves:

(1) 444 cu. yds. excavation;
(2) 352 cu. yds. concrete;
(3) 24.53 tons steel;
(4) 34 concrete piles, 20-ft. long;
(5) 60 wooden piles, 25-ft. long;
(6) 262 lin. ft. concrete handrail;
(7) 200 cu. yds. backfill.

Plans and specifications obtainable from City Engineer W. L. Popp, Department of Public Works, upon deposit of $10; $5 returnable.

Bids on this project were previously called for opening May 21, but were postponed pending final settlement of the wage scale.

BIDS WANTED

SAN JOSE, Santa Clara Co., Cal.—Until June 4, 5 P. M., bids will be received by John J. Lynch, City Clerk San Jose, in the City Hall, for the construction of a reinforced concrete bridge across the Guadalupe river at Fox Avenue.

Plans and specifications obtainable from the above upon a deposit of $10.

BIDS WANTED

COLFAX and McKinley Cos., N. M.—Until June 6, 10 A. M., bids will be received by G. D. Macy, State Highway Engineer, Capitol Bldg., Santa Fe, for bridge construction as follows:

Colfax County—Concrete Culverts

Colfax County, on State Road No. 72, between Raton and Folsom, consisting of five concrete box culverts of the following sizes: 7x7x47 ft., 8x5x32 ft., two triple, 8x3x30 ft., and one triple 10x8x32 ft., U.S.F.W. Project No. NRS 208.

McKinley County—Concrete Culverts

McKinley County, on State Road No. 68, between Gallup and Fort Defiance beginning about eight miles north of Gallup. The approximate length is 6.023 miles and consists of the con-

struction of two concrete box culverts, one being triple 8x7x36 ft., and one 6x8x56 ft., and base course surfacing; U.S.P.W. Project No. N.R.S. 209-A.

Specifications obtainable from above office.

BIDS WANTED

FORT PECK, Mont.—Until June 15, 12 M., bids will be received by the War Department, Office of the Division, Corps of Engineers, U. S. Army 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of the left bank trestle for upstream toe of dam, near the Missouri river, approximately 25 miles southeast of Glasgow, Mont., at the site of the proposed Fort Peck Dam. Theodore Wyman, Jr., Captain, Corps of Engineers Assistant to the Division Engineer. Plans and specifications are obtainable from the above upon a deposit of $25.

BIDS WANTED

MARION and Linn Counties, Ore.—Until June 7, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, in the Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a bridge over the Santiam River on the county line between Marion and Linn counties, at Mill City, Ore. The work involves:

(1) 50 cu. yds. excavation;
(2) 391 cu. yds. concrete;
(3) 43,000 lbs. metal reinforcement;
(4) 17 MFBM lumber;
(5) 357,000 lbs. structural steel;
(6) 350 lin. ft. concrete handrail.

Plans and specifications obtainable from the above upon a deposit of $5.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

MENDOCINO CO., Cal.—Charles R. Perkins, Fort Bragg, at $6,525 awarded contract by the U. S. Engineer Office, San Francisco, for removing 6,979 cu. yds. of sand, gravel and rock fragments from the channel at the mouth of the Noyo river, Mendocino county.

Complete bids published May 5.

PLANS COMPLETED

THE DALLES, Oregon—The U. S. Engineer, Portland, has completed plans and specifications for a municipal dock to be built between Union and Washington Sts., The Dalles, Oregon. The dock will cover an area of 150 by 492 feet and is estimated to cost $132,000. A warehouse, 100x 312 feet, and a large grain elevator will be erected in connection with th project. The Dalles is located on the Columbia River, about 80 miles east of Portland.

BIDS OPENED

COWLITZ RIVER, Wash. — The Hart Construction Co., Box 1096, Tacoma, Wash., at $8541.50 submitted low bid to U. S. Engineers Office, 306 Customhouse, Portland, under Bid No. 34-670, for repairing fifteen dikes, placing riprap stone and grading river bank, all in Cowlitz River, between 2 miles and 8 miles above its mouth. Complette bids follow:

Hart Constr. Co., Tacoma, Wash., $8541.50.
Portland Dredging Co., Lewis Bldg., Portland, Ore., $8710.25.
Contracting Officer's estimate, $8383.15

All bids held under advisement.

BIDS WANTED

SACRAMENTO, Cal.—Until June 8, 3 P. M., bids will be received by Capt. J. G. Drinkwater, U. S. Engineer's Office, Room 208 Post Office Building, Sacramento, for raising and strengthening the existing levee and constructing new levee along the southerly bank of the American river from the Western Pacific railroad to the east boundary of the Meister tract, a distance of about 2.30 miles. Spec. No. 5937; Circular Proposal No. 34-263.

Specifications, etc., obtainable from the above.

BIDS OPENED

CLATSKANIE, Oregon. — Portland Dredging Co., Lewis Bldg., Portland, submitted low bid to the U. S. Engineer's Office, 306 Customhouse, Portland, under Bid No. 34-682, for dredging and disposing of approximately 7,600 cu. yds. place measurement, of material, to form a channel 40 ft. wide and 6 ft. deep at mean lower low water, with side slopes 1-ft. vertical to 3-ft. horizontal, at locations in Clatskanie river and Beaver slough, between a point about one mile above their junction with the Columbia river and the town of Clatskanie. The Brookfield Co., Astoria, Ore., at $2,660 submitted the only other bid. The contracting officer's estimate was $1,710.00. All bids held under advisement.

24—ST. LIGHT. SYSTEMS

BIDS WANTED

SAN FRANCISCO—Until June 7, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, for the installation of an ornamental street lighting system at Merced Manor (L. P. Contract No. 2). The work involves

(1) 17 20-ft. ornamental reinf. conc. lighting standards;
(2) 34 16-ft. do;
(3) 17 Luminaries with compensators
(4) 34 do without compensators;
(5) 17 4000 lumen 15 ampere Mazda street series lamps;
(6) 34 2500 lumen 6.6 ampere do;
(7) 51 concrete foundations for standards;
(8) 10,500 ft. 1½-in. black conduit;
(9) 18,000 ft. 5000 volt single conductoor No. 8 A.W.G. rt. and LC wire.

Lump sum bids are asked. Plans and specifications obtainable from Rm. 609, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10.

CONTRACT AWARDED

LOS ANGELES, Cal.—W. H. Rumble, 6507 Haas Ave., Los Angeles, at $13,496.70 awarded contaract by the Los Angeles Board of Public Works, May 16, for constructing an ornamental system in the Pershing Square Lighting District, bounded by Hill St., Olive St., 5th and 6th Sts.

BIDS WANTED

SAN FRANCISCO. — Until June 7, 3:15 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, for the installation of lighting conduits on Tenth, Bryant, Harrison and Fell streets (L. & P. Contract No. 1.) The work involves:

(1) 24,400 ft. 1½-in. conduit;
(2) 4 pull boxes.

Plans and specifications obtainable from Room 609, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10.

PROSPECTIVE BIDDERS

WALLA WALLA, Wash.—Following have procured plans for the purpose of submitting bids to the Vetcrans' Administration, Washington, D. C., on June 12, for the construction of revisions to street lighting and fire alarm systems at the Veterans' Administration Facility, Walla Walla, under Project No. 825:

American Electric Co., 465 Bryant St., San Francisco.

Electric Supply & Fixture Co., P. O. Box 775, Walla Walla.

The Electric Shop, 702 Second Ave. S., Walla Walla.

Mechanical Engr. Service, 1315 H St., N. W., Washington, D. C.

Kenworthy & Taylor, Inc., 11 Spalding St., Everett, Wash.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN DIEGO, Cal.—Following bids received by the State Purchasing Agent, Sacramento, for furnishing one track-laying type tractor f.o.b. San Diego; under Quotation 44023, Req. 571:

Hazard, Could & Co., Allis Chalmers Model WM, $1700, plus tax, 2% 30 days.
J. D. Adams Co., McCormick Deering TA 20, $1733.50 plus tax, 14% 30 days.
Smith Booth Usher, Cletrac Model 25, $2073.75 plus tax, $145.15 30 days.
San Diego Tractor & Equipment Co., Caterpillar No. 25, $2124.95 plus tax 2% 30 days.

BIDS OPENED

OAKLAND, Cal.—McGurrin Motors, 3300 Broadway, Oakland, at $2,215.30 submitted low bid to Oakland City Council for furnishing truck chassis with capacity of 9,160 lbs. Following bids received:

McGurrin Motors	$2,215.30
General Motors Co.	2,242.70
J. E. French	2,334.95
White Truck Company	2,499.00

Bids held under advisement.

BIDS WANTED

BONNEVILLE, Ore.—Until June 26, 3 P. M., bids will be received by the U. S. Engineer's Office, 306 Customhouse, Portland, under Bid No. 34-662 for furnishing two 60,000-hp. turbines and governing equipment for same, to be installed at the Booneville Dam.

Bid opening was previously reported for June 21, which was in error.

BIDS OPENED

EL CENTRO, Imperial Co., Calif.—*Hulse Anderson, El Centro, at $2,347.67, less 2% for 30 days, submitted low bid to the State Purchasing Agent Sacramento, for furnishing fob Shop 11, Division of Higsways, El Centro, one 35-hp. tracklaying type tractor, shipping weight not less than 12,500 lbs., equipped with canopy top, street plates, fenders, spark arrester. Engine is to be fitted with oil filter and air cleaner of approved type, and chassis lubrication to be of positive pressure type with Alemite fittings. Quotation No. 43925, Req. No. 570. J. D. Adams Co., Los Angeles, submitted the only other bid at $2410.50, less $100, 30 days, for a McCormick Deering TA 40.

* Hulse Anderson submitted bid on Caterpillar No. 35.

BIDS OPENED

BLYTHE, Riverside Co., Cal.—J. D. Adams, Los Angeles, at $1518.50, less $100, 30 days, for a McCormick Deering TA20, submitted low bid to the State Purchasing Agent, Sacramento, for furnishing fob Palowalla Maintenance Station, near Blythe, Riverside County, one gasoline engine-driven tracklaying-type tractor, draw-bar hp. not less than 25, shipping weight not less than 7800 lbs., complete with street plates, spark arrester, hood side plates and canopy top. Quotation No. 43926; Reqisition No. 569. The other bids were submitted by the Freeland Tractor & Equipment Co., Riverside, at $1724.95, less $34.49, 30 days, for a Caterpillar No. 28; and the Hulse Anderson Co., El Centro ,at $1774.95, less 2%, 10 days, for a Caterpillar No. 28.

CONTRACT AWARDED

GOVERNMENT ISLAND, Cal.—W. H. Hauser, 3129 E 7th St., Oakland at $185.00 (item 3) submitted low bid and awarded contract by the U. S. Bureau of Public Roads, Government Island, as follows:

(1) hauling tractor from Government Island to Pondesa, about 28 miles from McCloud;
(2) hauling tractor from Government Island to Douglas City, near Weaverville;
(3) combination of items (1) and (3).

Complete bids follow:

(A) W. H. Hauser, Oakland.
(B) Bigge Draying Co., Oakland.
(C) Thomas Rigging Co., Oakland.
(D) Thompson Bros., San Francisco.
(E) M. H. Farrish, Oakland.

	(1)	(2)	(3)
(A)	$160.00	$140.00	$185.00
(B)	177.00	146.00	247.50
(C)	180.00	150.00	250.00
(D)	.....	.....	355.00
(E)	200.00	155.00	355.00

AWARD

PUGET SOUND, Wash.—Harnischfeger Sales Corp., Milwaukee, Wis., at $44,420 awarded contract by Bureau of Yards and Docks, Washington, D. C., for remodeling two bridge cranes and transporting them from Charleston, W. Va., to Puget Sound Navy Yard.

BIDS WANTED

PASADENA, Cal.—The Siskiyon Exploration Co., 22 N. Euclid Avenue, Pasadena, is in the market for miscellaneous used machinery and equipment as follows:

(1) one ⅜-yd. gas power shovel;
(2) two tractors, "20" and "30", either Caterpillar or Allis-Chalmers;
(3) one hydraulically operated bulldozer;
(4) two heavy duty wheel scrapers, of 1½-yd. capacity.

For further information see T. S. Schribner, engineer for the company, at the above address.

CONTRACT AWARDED

FORT PECK, Mont.—United States Motors, Oskosh, Wis., at $5,928 was awarded contract by the U. S. Engineer's Office, Kansas City, Mo., for furnishing eight auxiliary generating sets for Ft. Peck dredges.

CONTRACT AWARDED

SAN MATEO, San Mateo Co., Cal.—Atlas Electric & Mechanical Co., 467 O'Farrell St., San Francisco, at $5,472 awarded contract by N. Hansom Co., Ltd., 50 Clark Drive, San Mateo, for furnishing and installing pump unit and piping in Guadalupe Valley Dairy San Mateo. Hunter & Hudson, 41 Sutter St., San Francisco, mechanical engineers.

CONTRACTS AWARDED

GILROY, Santa Clara Co., Calif.—Byers Bros., 333 N. Monterey, Gilroy, at $1900 and Barshaw & Baleria, 527 Almaden Ave., San Jose, at $1740 awarded contracts by the Board of Trustees of the Gilroy High School and Elementary School districts for furnishing on Indiana Model 14B bus chassis and one Barshaw & Baleria school bus chassis, respectively.

BIDS OPENED

SAN FRANCISCO—Standard Iron Metal Yard, San Francisco, at $145 submitted high bid to T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 108, for the sale of miscellaneous equipment including street sweeping machines, wagons, sanding machines, truck bodies, sewer cleaning machine, elevator doors, water boilers, etc. Complete bids follow:

Standard Iron Metal Yard, $145; M. Levin & Sons, $106.89; R. Levin & Sons, $107.77; Mendelson & Bauer, $72. All bids held under advisement.

BIDS OPENED

SONOMA CO., Cal.—Jerry Taylor, 3051 Parker Ave., Oakland, at $1.25 per hour, submitted low bid to the Department of Public Works, Division of Highways, Dist. IV, J. W. Adams, Maintenance Supt., 1019 Pearl Street, Napa, for rental of one 1½-ton pneumatic tired dump truck not more than 4 years old, for approximately 600 hrs. Rental basis complete with operator, compensation insurance, gasoline, oils and all necessary repairs. The truck is to be used in the vicinity of Geyserville, Sonoma County. Complete bids follow:

	Bid per hour
Jerry Taylor, Oakland	$1.25
Bruno Skibo, Fort Bragg	1.36¼
F. V. Mulineaux, Oakland	1.40
Bayshore Bldg. Mtls, S. F.	1.43
E. P. Jolly, Oakland	1.44½
W. E. Cowan, Healdsburg	1.48
Rock and Gravel Trucking Co., Oakland	1.49
Louis Green, Oakland	1.48
Garcia Const. Co., Irvington	1.50
Ed. Barger, Oakland	1.53
Miller & Wigginton, Oakland	1.56½
H. K. Smith, Roscoe	1.59
L. Della Rosa & Sons, Martinez	1.60
Hyman Rosenberg, S. F.	1.60
Ira Heavin, Oakland	1.61
Geo. H. Rees, Menlo Park	1.68
Max Rosenberg, S. F.	1.71
Dan Gallagher, S. F.	1.74
A. L. Philbrick, Santa Cruz	1.75
Truck Contr. & Equip. Co. Oakland	1.75
D. T. LaPaugh, Oakland	1.75
C. A. Phillips, Oakland	1.88
H. E. MacBeth, Oakland	1.90
G. F. Burke, Hayward	2.00
L. B. Andrews, Oakland	2.00
E. G. Gressott, Fairfield	2.18

CONTRACT AWARDED

OAKLAND, Cal.—McGurrin Motors, 3300 Broadway, Oakland, at $2215.30 awarded contract by the Oakland City Council for furnishing truck chassis with 9160 lb. capacity.

CONTRACT AWARDED

OAKLAND, Cal.—Chevrolet Motors awarded contract by Oakland City Council at approximately $4971.20 for furnishing automobile for the city.

BIDS OPENED

LIVERMORES, Cal.—American Diesel Engine Co., Dennison and King Sts., Oakland, submitted low bid to the Veterans' Administration Facility, Livermore, for one 125 hp. full Diesel type engine. The amounts of the bids were withheld. Other companies bidding were: Ed. R. Bacon, San Francisco; Atlas Imperial Diesel Co., Oakland and King-Knight Co., S. F.

BIDS OPENED

OAKLAND, Cal.—The following bids were received by Oakland City Council May 24, for furnishing:

(1) three four-door sedans;
(2) one canopy express body;
(3) two coupes, Type C;
(4) two coupes, Type D.

Chevrolet Motors, (1) $683.94; (2) $594.88; (3) $618.40; (4) $543.85.

Don Nehr, (1) $780.59; (2) $704.12; (3) $708.40 (4) $708.66.

H. M. Lawrence, (1) $780.59; (2) $704.12; (3) $708.66; (4) $708.66.

Pereotti & Son, (1) $780.59; (2) $704.-12; (3) $708.66; (4) $708.66.

Harold Kuntson, (1) $785.00; (2) $776.85; (3) $793.00; (4) $679.62.

Wm. Wood Co., (1) $780.59; (2) $704.12; (3) $708.66; (4) $708.66.

J. E. French, (1) $810.58; (2) $804.65 (3) $822.43; (4) $728.38.

Hebrank Hunter, (1) $814.35; (3) $825.80; (4) $732.30.

Milton Motors, (1) $815.90; (3) $827.-17; (4) $733.90.

Earl C. Anthony, (1) $848.00 ;(3) $775.00; (4) $775.00 (plus tax).

Pacific Nash, (1) $894.82; (3) $888.70 (4) $889.70.

Frank Sanford, (1) $998.00; (3) $906.-00 (4) $906.00.

All bids held under advisement.

CONTRACTS AWARDED

ARIZONA STATE. — Contracts for furnishing pumps for various irrigation projects were awarded by the U. S. Indian Irrigation Service, 751 South Figueroa St., Los Angeles, May 25, as follows:

Colorado River Reservation to Peerless Pump Co., Los Angeles, at $9,619.

Chiu Chui Reservation to Byron-Jackson Pump Co., Los Angeles, at $4,119.

Salt River Reservation to Byron-Jackson Pump Co., Los Angeles, at $14,958.54.

San Xavier Reservation to Byron-Jackson Pump Co., Los Angeles, at $7,548.60.

The bids were opened May 16.

CONTRACT AWARDED

PAPAGO INDIAN Reservation, Arizona.—New State Electric Co., Phoenix, at $12,760, awarded contract by the U. S. Indian Irrigation Service, Los Angeles, at $12,760 for constructing ten miles of transmission lines for the Chiu Chui Project, Papago Indian Reservation, Ariz.

31—PIPE LINES & WELLS

May 25, 1934

CONTRACT AWARDED

SAN CARLOS, Arizona—The Peerless Pump Co., 1902 E. 67th St., Los Angeles, has been awarded contract by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for furnishing and installing three turbine pumps for the San Carlos Reservation, Arizona, in Wells Nos. 1, 2, and 3.

CONTRACT AWARDED

SAN FRANCISCO.—J. B. Rodgers, 110 Sutter St., at $1,490 awarded contract by Quartermaster, Fort Mason, for drilling well and furnishing and installing one motor driven pump at Lobos Creek Pumping Station, Presidio of San Francisco.

CONTRACT AWARDED

OAKLAND, Calif. — Healy-Tibbitts Const. Co., 64 Pine St., San Francisco at $4,630 awarded contract by Public Works Officer, 12th Naval District, for repairs to the fresh water pipe line on the east side of the Key Route Pier, Oakland, to Receiving Ship Staton, Yerba Buena Island, under Spec. No. 7702.

BIDS OPENED

RIO VISTA, Cal.—Layne & Bowler Pump Co., 468 W. Santa Clara St., San Jose, at $657.40 submitted low bid to the U. S. Engineer Office, Sacramento for furnishing and installing a deep well turbine pump, electric motor direct connected to the pump, and all accessory equipment at the U. S. Engineer Office, Rio Vista, under Spec. No. 6389. Complete bids follow:

Layne & Bowler, San Jose	$657.40
Kimball Krogh, S. F.	683.70
Crane Co., Sacramento	688.00
Victor Equip. Co., Stockton	751.45
Berglund Tractor & Equip. Co., Napa	762.85
Byron-Jackson Co., Berkeley	800.00
Sterling Pump Co., Stockton	837.15

BAY CROSSING PIPE LINE NO. 2—BIDS WANTED

SAN FRANCISCO.—Until June 12, 3 P. M., as previously reported, bids will be received by the Public Utilities Commission, Room 287, City Hall for construction of the Bay Crossing Pipe Line No. 2, under Contract and Specification W. D. 46.

Under the proposed contract or contracts a pipe line about 20.7 miles long is to be constructed, paralleling the existing bay crossing pipe line of the City and County of San Francisco which extends from the Irvington Portal of the Coast Range Tunnel of the Hetch Hetchy Aqueduct, about 1.5 miles east of Irvington in Alameda County, in a westerly direction to the East Portal of the Puglas Tunnel of the Aqueduct, about 3 miles west of Redwood City in San Mateo County.

The proposed pipe line will be located approximately on the center line of the existing right of way and will be from 15 to 25 feet northerly from the center line of the existing 60-inch diameter riveted steel pipe on the west side of the bay. On the steel truss bridge, however, the center line of the new pipe will be about 9½ ft. from the center line of the existing pipe.

The greater part of the pipe line (about 16.3 miles) will be laid in trench, with short stretches, where the physical conditions dictate, supported on piers or trestle bents. On the marshes bordering San Francisco bay, the pipe will be carried on pile trestles, which pile trestles will be constructed under other and separate contract; over the tidal flats and shallow water of the Bay, it will be supported on the existing steel truss bridge, approx. 3860 feet in length. The crossing of the deeper part of the Bay and Newark Slough, involving about 0.6 mile of submarine crossing, is not included in this contract.

For the purposes of bidding and award of contract, the pipe line is divided into Sections A, B and C, as follows:

Section A, totaling about 11.3 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station and the Pulgas Tunnel. This section may be constructed either of 66-in. diameter welded steel pipe under Proposition 1, or 62-in. diameter steel cylinder reinforced concrete pipe with short sections of 66-in. diameter welded steel pipe in certain locations, under Proposition 2.

Section B, totaling about 4.4 miles of pipe line, covers that portion of the line, excepting the submarine pipes, to be constructed between the concrete anchor block near the Pulgas Pump Station. This section will be constructed of 66- and 76-in. diameter welded steel pipe. Those portions of the concrete anchor blocks to be constructed under this contract or contracts shall be performed as part of Section B.

Section C, totaling about 5.0 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station, and the Pulgas Tunnel. This section will be constructed of 62-in. diameter steel cylinder reinf. concrete pipe with short sections of 66-in. diameter welded steel pipe.

Alternate Propositions for Section A: This section of the line may be constructed under either of the following propositions:

Proposition 1—66-in. diam. welded steel pipe;

Proposition 2—62-in. diameter steel cylinder reinforced concrete pipe.

Possible Awards: The work may be awarded in one, two or three separate contracts as follows:

(1) A single contract may be awarded for the construction of the entire pipe line covering Sections B, C and A under either Propositions 1 or 2.

(2) Two separate contracts may be awarded for the construction of the pipe line as follows: One contract covering Section A under Prop. 1, together with Section B and one contract for Section C; or one contract covering Section A under Prop. 2, together with Section C and one contract for Section B.

(3) Separate contracts may be awarded for the construction of each of the three sections of the pipe line, as follows: A contract for Section B; a contract for Section C; and a contract for Section A under either Propositions 1 or 2.

The work involves:	Unit	Section A Prop. 1	Section A Prop. 2	Sec. B	Sec. C
(1) furnish and lay 66-in. dia. welded steel pipe of ⅜-in. plate;	lin. ft.	26,600	1,880	.....	170
(2) do 7-16-in. plate;	lin. ft.	33,100	150	19,300	340
(3) do 76-in. dia. do ½-in. plate;	lin. ft.	.....	.....	3,870	.....
(4) furnish and lay steel pipe or pipe specials not included in other items;	lbs.	39,500	39,500	147,000	6,800
(5) felt wrapping on steel pipe;	sq. ft.	945,000	.....	.....	.....
(6a) ¾-in. mortar covering on steel pipe;	sq. ft.	135,000	.....	.....	.....
(6b) 2-in. reinf. conc. do;	sq. ft.	25,000	.....	.....	.....
(7) furnish and install expansion joints for 76-in. dia. pipe;	each	.....	.....	18	.....
(8) do for 66-in. pipe;	each	3	3	2	1
(9) furnish and install manholes for 150 lbs. pressure;	each	20	20	.....	5
(10) do for 250 lbs. pressure;	each	30	30	22	18
(11) furnish and install cast steel saddle nozzles;	lbs.	4,800	3,900	3,400	2,400
(12) furnish and install cast steel companion flanges;	lbs.	5,200	5,200	15,100	3,900
(13) furnish and install miscellaneous steel work;	lbs.	2,000	2,000	18,000	1,000
(14) furnish and install 4-inch gate valves for 150 lbs. pressure;	each	3	8	.....	2
(15) do for 250 lbs. pressure;	each	12	12	10	8
(16) do 6-in. gate valves for 150 lbs. pressure;	each	30	14	.....	6
(17) do for 250 lbs. pressure;	each	2	2	4	2
(18) do 8-in. gate valves for 150 lbs. pressure;	each	6	6	.....	2
(19) do for 250 lbs. pressure;	each	6	6	4	8
(20) furnish and install 4-in. vacuum valves for 150 lbs. pressure;	each	4	8	.....	2
(21) do for 250 lbs. pressure;	each	12	12	10	8
(22) do 6-in. vacuum valves for 150 lbs. pressure;	each	26	10	.....	6
(23) do for 250 lbs. pressure;	each	2	2	4	2
(24) furnish and install air release valves for 150 lbs. pressure;	each	12	12	.....	4
(25) do for 250 lbs. pressure;	each	6	8	8	6
(26) furnish and install steel frames and covers for valves and manhole boxes;	lbs.	25,000	20,500	.....	7,500
(27) furnish and install cast iron pipe manhole covers and fittings;	lbs.	4,000	4,000	1,000	2,500
(28) furnish and install corru. metal pipe culverts;	lbs.	2,000	2,000	.....	1,000
(29) furnish and install steel bolts, nuts and washers;	lbs.	2,900	2,900	4,900	1,800
(30) furnish and install steel castings not covered by other items;	lbs.	2,000	2,000	27,500	500
(31) install fittings furnished by City to be welded or riveted to pipe;	lbs.	7,500	7,500	5,000	2,500
(32) install Venturi meter, butterfly valve and gate valves furnished by the city;	lbs.	70,000	70,000	230,000	75,000
(33) install miscel. metal work furnished by the city and not covered by other items;	lbs.	7,500	7,500	5,000	2,500
(34) earth excav. for pipe trench;	c.y.	144,000	175,000	500	75,000
(35) rock excav. for pipe trench;	c.y.	9,500	11,200	.....	3,800
(36) earth excavtion for footings and structures;	c.y.	700	700	400	300
(37) rock excavation for do;	c.y.	400	400	.....	200
(38) construct earth embankments;	c.y.	9,500	9,500	800	2,500
(39) concrete, Class A;	c.y.	750	720	20	180
(40) concrete, Class B;	c.y.	150	160	.....	30
(41) concrete, Class C;	c.y.	.....	.....	520	.....
(42) extra cement;	bbls.	100	100	50	50
(43) furnish and place reinf. steel;	lbs.	96,000	100,000	17,000	23,000
(44) furnish and place struc. steel;	lbs.	56,000	56,000	136,000	.....
(45) construct valve house;	lp. sum	.....	.....	.....	1
(46) misc. timber struc. of Douglas fir	M.B.M.	10.0	10.0	60.0	5.0
(47) do of Redwood;	M.B.M.	10.0	10.0	25.0	5.0
(48) painting miscel. structures;	sq. yds.	500	500	300	300

Plans and specifications obtainable at Room 605, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $50.00.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN FRANCISCO—Until June 6, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the construction of the Third Street sewer, from 23rd Street to Islais Creek Channel. The work involves:

(1) 1055 lin. ft. 3-ft. 6-in. by 5 ft. 3-in. reinf. concrete sewer on piles
(2) 1860 lin. ft. 3 ft. 0-in. x 4 ft. 6-in. reinf. conc. sewer on piles;
(3) 1 reinf. concrete taper structure on piles;
(4) 14 manholes on reinf. concrete sewers;
(5) 5 manholes in V.C.P. in place;
(6) 30 lin. ft. 18-in. V.C.P. in place;
(7) 210 lin. ft. 12-in. V.C.P. embedded in reinf. concrete in place;
(8) 60 lin. ft. 10-in. V.C.P. culvert in place;
(9) 1000 lin. ft. 6-in. V.C.P. underdrain covered with concrete or embedded in broken rock;
(10) 1000 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock as directed.
(11) 31,300 lin. ft. piles driven in place

The estimated cost, $75,000. The work will b financed by part of the $2,625,000 PWA funds, for which bonds were voted November 7, 1933.

Plans and specifications obtainable from City Engineer John J. Casey, Room 367, City Hall, upon deposit of $10.

BIDS WANTED

LOS ANGELES, Cal.—Until June 15, 2:30 P. M., bids will be received by the Veterans' Administration, Room 764 Arlington Bldg., Washington, D. C., for constructing a storm drain at the Veterans' Administration Facility, Los Angeles. Proposal No. 215-SD. Specifications obtainable from above.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal.—Until June 4, 2 P. M., bids will be received by the Los Angeles County Supervisors for the construction of a concrete conduit on Verdugo Wash, between Brand Blvd. and Pacific Ave. Glendale. The work involves:

(1) 8,800 cu. yds. excavation;
(2) 7,200 cu. yds. backfill;
(3) 3,100 cu. yds. reinf. concrete;
(4) 4,275 lin. ft. fencing;
(5) 100 lin. ft. drilling dowel holes;
(6) 50 lin. ft. placing tile drains;
(7) 100 lbs. placing misc. steel.

Bids will be taken on two proposals. Proposal No. 1. fob Pacific Electric siding at Brand Blvd. and Mountain Ave., Glendale; Proposal No. 2, fob trucks at site of work. Specifications prepared by E. C. Eaton, Los Angeles County Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, clerk of the board.

33—WATERWORKS

FUNDS ALLOTTED

TURLOCK, Cal.—The PWA has approved an allotment of $311,000 (including $83,000 outright gift) to the Turlock Irrigation District for financing the construction of 23 miles of concrete canal lining. Plans and specifications for the project have been approved by State PWA Engineer F E. Trask. The district will hold an election in the near future to vote bonds to secure the loan.

BIDS WANTED

ARCADIA, Los Angeles Co., Cal.—Until June 5, 8 P. M., bids will be received by the Arcadia City Council for placing in trench, electrically welding and testing approximately 3,600 lin. ft. of 16-in. steel water pipe on Huntington Dr., from Santa Anita Ave. westerly. The pipe was purchased from the Western Pipe & Steel Co. May 11.

Specifications obtainable from the above. W. H. Nesbitt, city clerk.

CONTRACT AWARDED

YERBA BUENA ISLAND, Calif.—Pacific Tank & Pipe Co., 230 California St., San Francisco, at $990 was awarded contract by the Public Works Officer, 12th Naval District, for construction of one wood tank, complete, at the Receiving Ship Station, Yerba Buena Island.

BIDS OPENED

STOCKTON, San Joaquin Co., Cal.—C. C. Moore & Co., 450 Mission St., San Francisco, at $14,309 submitted low bid to the San Joaquin County Board of Supervisors for the construction of a 4-drum Sterling or equal, water tube boiler.

The other bids were:

California Steel Prod Co. S. F...$14,998
Herman Lawson, S. F..... 16,400

Bids held under advisement.

BID OPENING POSTPONED

SAN FRANCISCO—Until June 15, 3 P. M., date postponed from June 1, previously reported, bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1207, for furnishing 431,400 ft. of cast iron bell and spigot pipe for the S. F. Water Dept. Specifications obtainable from above office.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until June 4, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for furnishing wrought iron pipe and fittings at Hamilton Field. Quantities follow

PIPE

(Standard Weight galvanized wrought iron pipe)

(1) 380 lin. ft. 3-in.;
(2) 680 lin. ft. 3½-in.;
(3) 630 lin. ft. 2-in.;
(4) 240 lin. ft. 1½-in.;
(5) 500 lin. ft. 1¼-in.;
(6) 500 lin. ft. ¾-in.;

FITTINGS

(Galvanized malleable iron screw fittings).

(1) 1, 3x3x1¼-in. T;
(2) 1, 3x3x1-in. T;
(3) 3, 3x2½x1 T;
(4) 3, 2½x2½x1-in. T;
(5) 1, 2½x1¼x2½-in. T;
(6) 1, 2½-in. 90 elbow;
(7) 1 1½x1½x2½-in. T;
(8) 3, 2x2x1-in. T;
(9)2, 2x1¼x1-in. T;
(10) 1, 2x2x1-in. side outlet elbow;
(11)1, 2-in. 45° elbow;
(12) 1, 1½x1½x1-in. T;
(13) 2, 1½x1¼x1-in. T;
(14) 3, 1¼x1¼x1-in. T;
(15) 6, 1¼-in. 90° elbows;
(16) 1 1½-in. nipple, 6-in. long;
(17)24, 1-in. nipples, 6-in. long;
(18) 2 2-in. iron body brass trimmed gate valves, Crane Co. No. 459 or equal;
(19) 14 valves, Buckner No. 14-A or equal super valve with 1-in. feed pipe opening.

FORCE ACCOUNT

LOS ANGELES, Cal.—All bids received by the Los Angeles County Board of Supervisors, May 28, for the construction and operation of plant and distribution system for applying water to the faces of San Gabriel Dam No. 2, were rejected and E. C. Eaton, Los Angeles County Flood Control Engineer, was authorized to do the work by force account. The total bids were:

George Hess, Los Angeles.....$64,391
F. F. Greenfield, L. A..... 66,419
Bennett & Taylor, L. A..... 66,972
Case Constr. Co., L. A..... 69,138
R. A. Wattson, L. A..... 75,270

34—PARKS AND PLAY-GROUNDS

CONTRACT AWARDED

OAKLAND, Calif.—Standard Fence Company, 1940 San Bruno Ave., San Francisco, at $3,802 awarded contract by East Bay Municipal Utility District for furnishing fencing materials to be delivered to the Corporation Yard, 21st and Adeline Streets, Oakland.

BIDS WANTED

REDLANDS, San Bernardino Co., Cal.—Until June 4, 2 P. M., bids will be received by B. H. Graff, Constructing Engineer, Redlands Post Office, for seeding and planting grounds at the Redlands Post Office. Specifications available from above office.

BIDS WANTED

LOS ANGELES, Cal.—Until June 26, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for constructing cemetery lawn sprinkling system at the Veterans Administration Facility, Los Angeles. Plans and specifications available from above office.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

CHELAN COUNTY, Wash.—Joslin & McAllister, 3038 E. Trent Avenue, Spokane, at $49,544.60, was awarded contract by L. V. Murrow, Director of Highways, Olympia, May 22, for surfacing with crushed stone and stockpiling crushed stone surfacing & oil rock materials on about 9.0 miles of State Road No. 2, end of pavement at Pashastin Creek to Ingall's Creek, PWA Project 7755, in Chelan county. Complete bids follow:

Joslin & McAllister, Spokane; $49,544; S. H. Newell & Co., Portland, $49,875, and March Const. Co., Spokane, $54,428. 29

AWARD

KING COUNTY, Wash.—The Northwest Const. Co., 3950 16th Ave. N. W. Seattle, at $32,161.55 awarded contract by L. V. Murrow, Director of Highways, Olympia, on May 22 for paving with portland cement concrete about 0.9 of a mile of State Road No. 2, Fall City to Redmond Paving gaps, PWA Project 6344, in King County. Complete bids follow:

Northwest Const. Co., Seattle, $32,161; Moceri Bros., Seattle, $32,223; Argenteri & Romano, Seattle, $32,643.

CONTRACT AWARDED

TUOLUMNE COUNTY, Cal.—Poulos & McEwen, 2522 17th St., Sacramento, at $9,060.10 awarded contract by the U. S. Bureau of Public Roads, Sheldon Bldg., San Francisco, for grading Section A of Route 83, the Pine Crest National Forest Highway, Stanislaus National Forest, Tuolumne County.

CONTRACT AWARDED

MARIPOSA COUNTY, Cal.—Granite Constr. Co., Bin No. 9, Watsonville, at $234,874 awarded contract by the U. S. Bureau of Public Roads, Sheldon Bldg., San Francisco, for grading and placing a crushed rock base course on Sections A2 and A3, Route 5, the Wawona Road, Glacier Point Highway, Yosemite National Park, Mariposa Count.

TO ASK FUNDS

BURLINGAME, Cal.—City Engineer Charles M. Thomas is preparing estimates on municipal improvements preparatoy to applying to the SERA for funds totaling approximately $90,000 to finance the following projects:

$21,000 for widening California Dr., between Rhinette Ave. and the Mills Creek, to provide a 36-ft. roadway.

$50,000 for completing the Oak Grove Avenue sewer.

$18,000 for remedying the Mills Creek drainage problem.

BIDS WANTED

MONO COUNTY, Cal.—Until June 5, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, at the office of the District Engineer, Bishop, for highway construction in Mono County, between Route 23, near Carrington's and Route 23, near Rush Creek, via Carson's and between Route 23 near Hot Creek and Mammoth Ranger Station, about 19.7 miles of existing roadbed to be treated with fuel oil. Plans and specifications obtainable from above office.

CONTRACT AWARDED

COCONINO COUNTY, Ariz.—New Mexico Constr. Co., P. O. Box 592, Albuquerque, N. M., at $125,109.60 was awarded contract by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, May 8, for placing a bituminous treated crushed rock surfacing on Section H of Grand Canyon Route 1, all of Grand Canyon Route 10, and Sections A, B, and C of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino County, a length of 17.546 miles.

BIDS WANTED

LOS ANGELES, Cal.—Until June 15, 2:30 P. M., bids will be received by the Veterans Administration, 764 Arlington Bldg., Washington, D. C., for constructing and finishig complete, roads, curb and gutter, etc., at the cemetery, Veterans' Administration Facility, Los Angeles. Proposal No. 215-2 R. C. & G. This work will consist of excavating and grading for roads, combined concrete curb and gutter, disintegrated granite base, premixed oiled macadam surface, catchbasins, corrugated culverts, flagpole, etc. Specifications obtainable from above.

CONTRACT AWARDED

EMERYVILLE, Alameda Co., Cal.—Peninsula Paving Co., Standard Oil Bldg., San Francisco, at $4,780 was awarded contract by the Emeryville City Council for widening, resurfacing and construction of new curbs and gutters on San Pablo Ave. between 38th and 36th Sts., Emeryville.

BIDS WANTED

FLATHEAD and Glacier Cos., Mont.—Until June 8, 10 A. M., bids will be received by W. H. Lynch, District Engineer, U. S. Bureau of Public Roads, 342 Postoffice Bldg., Missoula, Mont., for constructing or improving the Columbia Falls-Glacier Park bituminous surface project NR-13-13, J2 K, National Forest Road Project, located within the Flathead and Lewis & Clark National Forests, Counties of Flathead and Glacier, Mont., a distance of approximately 15.093 miles.

The work involves:

(1) 1,500 cu. yds. unclass. excavation (slides and ditches);
(2) 2,700 cu. yds. subgrade reinf. in place;
(3) 200 M. gals. watering;
(4) 1,200 cu. yds. loading and placing aggregate and filler;
(5) 15.1 miles prepare roadway, mixing and finishing;
(6) 1,100 tons SC-3 grade liquid asphalt in place;
(7) 100 tons RC-1 grade liquid asph. in place.

Plans and specifications obtainable from above upon a deposit of $10.00.

BIDS WANTED

SAN FRANCISCO.—Until June 19, 3 P. M. (as previously reported) bids will be received by the Public Utilities Commission, Room 287, City Hall for extending the San Francisco Airport landing field eastward with a fill over the tidelands of San Francisco Bay located adjacent to and just east of the present landing field (Airport Contract No. 31). The work will be financed by part of the $260,000 PWA allottment secured by a bond issue in the November 7 election. The work involves:

(A) Clay and shell field fill;
(B) Rock field fill.

(1) constructing the extension to the landing field, complete as shown on the drawing and described in the specifications, (A) 1 unit; (B) 1 unit.

(2) constructing additional fill, (A) 10,000 cu. yds.; (B) 10,000 cu. yds.

(3) crushed rock or shell deposited in stockpiles, (A) 10,000 cu. yds.; (B) 5,000 cu. yds.

(4) construct 6-in. pipe drains, (A) 1,000 lin. ft.; (B) 1,000 cu. yds.

(5) construct 8-in. pipe drains, (A) 600 lin. ft.; (B) 600 lin. ft.

(6) construct 10-in. pipe drains, (A) 1,300 lin. ft.; (B) 1,300 lin. ft.

(7) construct 12-in. pipe drains, (A) 540 lin. ft.; (B) 540 lin. ft.

Plans and specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $10.00.

NOTICE TO BIDDERS

MONTEREY COUNTY, Calif.—Representative of the district office will accompany prospective bidders over the proposed project in Monterey Co., between Mustang Ridge and Priest Valley, road V-Mon-10-C, for which bids are to be received in Sacramento Wednesday, June 13. Said representative will meet prospective bidders at Mustang Summit on June 6 at 10 A. M. Prospective bidders are urged to cooperate with the district office and arrange to make their field inspection on the above date.

BIDS OPENED

LOS BANOS, Calif. — Douglas and Wolfe, 3961 Vale Ave., Oakland, at $2,606.25 submitted low bid to the Los Banos City Council May 26, for constructing approximately 10,000 lin. ft. concrete curb and gutter. Total bids follow:

Douglas & Wolfe, Oakland	$2,606.25
L. F. Piazza, San Jose	2,774.55
Pacific States Const. Co. S. F.	3,132.73
D. Falasco, Los Banos	3,217.45
Albany Cement Contractors, Albany	3,689.82

BIDS WANTED

THATCHER & Safford, Ariz.—Until June 6, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Geronimo - Solomonville Highway NRM 43 and NRM 67 (Thatcher streets, AFE No. 526, and Safford streets, AFE No. 523).

The work, which is located within the towns of Thatcher and Safford and is approximately ⅔ of a mile in length, consists of concrete pavement widening, and is to be completed on or before July 31. The work involves:

(1) 2,000 cu. yds. roadway excav.;
(2) 1,100 cu. yds. agg. base course;
(3) 26 cu. yds. Class A concrete;
(4) 2,100 lbs. reinf. steel;
(5) 7,100 sq. yds. concrete pavement;
(6) other incidental items.

Funds have been programmed for the construction in the amount of $28,700. Plans and specifications obtainable from the above. T. S. O'Connell, state highway engineer.

BIDS OPENED

PASADENA, Cal.—The lowest combinations of bids for the complete work of improving Fair Oaks Ave., between Colorado St. and the south city limits, under cash contract, as announced by Harvey W. Hincks, City Engineer, follows:

Osborn Co., 1570 San Pasqual Ave., Pasadena, Schedule 1, cement concrete, $72,505; Schedule 2, asphaltic concrete, $51,007; Schedule 3, combination of both types, $66,550.

Oswald Bros., Los Angeles, Schedule 1, $80,213; Schedule 2, $64,098; Schedule 3, $77,615.

Griffith Co., Los Algeles, Schedule 1, $85,045; Schedule 2, $62,800; Sched. 3, $79,544.

BIDS WANTED

SAN RAFAEL, Marin Co., Calif.—Until June 12, 8 P. M., date postponed from June 1, 5 P. M., previously noted, bids will be received by the San Rafael Board of Education, O. R. Hartzell, Secretary, San Rafael High School, Fourth and High Sts., for emulsified asphalt surfacing on driveways and walks of the high school grounds. The work involves:

(1) 1500 gals. emulsified asphalt for patching subgrade;
(2) 50 tons crushed rock screenings for do;
(3) 38,000 sq. ft. emulsified asph. surf.

ALTERNATE

(4) 47,000 sq. ft. emulsiefd asph. surf.

Specifications obtainable at above office.

BIDS WANTED

SANTA PAULA, Cal.—Until June 11, 7:30 P. M., bids will be received by the Santa Paula City Council for improving Harvard St., involving:

(1) 24 sta. clear and grub R/W;
(2) 2800 cu. yds. rdwy. excav., unclass;
(3) 80 cu. yds. struc. excav.;
(4) 6000 sq. yds. subgrade for pave.;
(5) 830 tons asph. conc. base course;
(6) 800 tons asph. conc. leveling course;
(7) 690 tons asph. concrete surface course, Type B;
(8) 240 tons asph. concrete surface course, Type C;
(9) 5100 lin. ft. 3x10-in. Douglas fir headers left in place;
(10) 20 cu. yds. Class A Portland cement concrete (structures);
(11) 135 lbs. reinf. steel;
(12) 34 lin. ft. 18-in. std. cement pipe;
(13) 101 lin. ft. 24-in. corrugated iron culvert;
(14) raise manhole to conform to new grade.

Plans obtainabale from City Engineer H. E. Reddick. C. L. Yarbrough City Clerk.

CONTRACT AWARDED

FORT PECK, Montana. — Morrison-Knudsen Co., P. O. Box 1518, Boise, Idaho, at $137,966.76 awarded contract by U. S. Engineer Office, Kansas City, Mo., for constructing bituminous concrete pavements, walks, and driveways at the site of the proposed Fort Peck Construction Camp.

BIDS OPENED

TEHAMA COUNTY, Cal.—A. Teichert & Sons, Inc., P. O. Box 1118, Sacramento, at $4,766.25, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Redding, for fuel oil treatment on 13.3 miles in Tehama

ounty between State Highway Route and 1½ miles east of Dale's Ranch. Complete bids follow:
(1) per barrel, 2,325 bbls. heavy fuel oil;
(2) total.
A. Teichert & Sons, Sacramento, (1) $2.05; (2) $4,766.25.
Helwig Const. Co., Sebastopol, (1) $2.14; (2) $4,975.50.
E. A. Forde, San Anselmo, (1) $2.28 (2) $5,301.00.
E. F. Hilliard, Sacramento, (1) $2.29 (2) $5,324.25.
Bids held under advisement.

AWARD

YAVAPAI and Coconino Cos., Ariz. —George W. Orr, Bisbee, Arizona, at 40,475 awarded contract by the Bureau of Public Roads, Sheldon Bldg., San Francisco, for placing subgrade reinforcement on 24.615 miles of Sections C, D, E, F, G and H of Route , the Oak Creek National Forest Highway, Coconino National Forest, Yavapai and Coconino counties.

AWARD

SANTA BARBARA CO., Cal.—L. A. Brisco, Arroyo Grande, at $11,031 was awarded contract by State Highway Commission, Sacramento, for 27.9 mi. of oil treatment in Santa Barbara Co.

CONTRACT AWARDED

FRESNO CO., Calif.—Union Paving Co., 624 Call Bldg., San Francisco, at $5,159 awarded contract by the State Highway Commission at Sacramento, for grading and paving with asphalt concrete about 0.5 miles in Fresno county between Tulare and Stanislaus streets in Fresno.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. . Raisch, Los Gatos, at $41,378 was awarded contract by the State Highway Commission, Sacramento, for the grading and paving with Portland cement concrete of about 0.4 mile in Santa Clara county between College Ave. and Page Mill Road, Palo Alto.

AWARD

SAN LUIS OBISPO CO., Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $78,846 awarded contract by the State Highway Commission, Sacramento, for grading 3.2 miles and surfacing portions with selected material in San Luis Obispo county between six miles east of Morrow and Atascadero Summit.

BIDS WANTED

NEVADA COUNTY, Cal. — Until June 20, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for 3.5 miles bituminous surfacing in Nevada County, between ½ miles east of Hinton and Floriston. The work involves:
(1) 165 tons asphaltic road oil;
(2) 2875 tons crushed rock and screen-
Plans and specifications obtainable from above office and on file on the offices of the District Engineers in San Francisco and Los Angeles, and the district in which the work is situated.

CONTRACT AWARDED

MONTEREY COUNTY, Cal.—L. A. Brisco, Arroyo Grande , at $2019 awarded contract by State Highway Commission, Sacramento, for 15.1 mi. fuel oil treatment in Monterey County, from King City to San Ardo.

CONTRACT AWARDED

MONTEREY COUNTY, Cal.—Granite Construction Co., Ltd., Bin No. 9, Watsonville, at $5137 awarded contract by State Highway Commission, Sacramento, for 21.5 mi. fuel oil treatment in Monterey County.

CONTRACT AWARDED

SAN BERNARDINO CO., Cal.—Geo. Herz & Co., Platt Bldg., San Bernardino, at $8,918 awarded contract by State Highway Commission, Sacramento, for 16.6 miles of fuel oil treatment in San Bernardino County.

BIDS WANTED

COLUSA COUNTY, Cal.—Until June 20, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 5.5 miles in Colusa County between Maxwell and Delevan. The work involves:
(1) 900 cu. yds. rdwy. excav., unclassified;
(2) 1,000 sta. yds. overhaul;
(3) 300 cu. yds. struc. excav.;
(4) 65,200 sq. yds. subgrade for pave.
(5) 450 sq. yds. asph. paint binder;
(6) 27,500 tons asphalt concrete;
(7) 30 cu. yds. Class A Portland cement concrete structures;
(8) 5 cu. yds. do. curbs and sidewalks;
(9) 2,300 lbs. bar reinf. steel struc.;
(10) 53,500 cu. yds. gravel fill;
(11) 104 lin. ft. 12-in. CMP;
(12) 106 lin. ft. 18-in. CMP;
(13) 128 lin. ft. CMP clean and relay;
(14) 328 lin. ft. pipe culverts, remove and salvage;
(15) 1,650 M. gals. water;
(16) 210 cu. yds. concrete removed from existing pave. and struc. and disposed of;
(17) 6 each concrete headwalls moved and reset;
(18) 1.2 miles new property fence;
(19) 1.2 miles remove and dispose of property fences;
(20) 0.05 mile move and reset do;
(21) 10 each drive gates;
(22) 260 bbls. light fuel oil;
(23) 1 only exist. bridge to be moved;
(24) 291 stations finish roadway;
(25) 11 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the district engineers in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

KERN COUNTY, Cal.—Until June 20, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for treating about 28.7 miles with cutback asphaltic road oil and fuel oil in Kern County, between Rio Bravo and 0.5 mile south of Shafter and between old Quarry and the westerly boundary of Sequoia National Forest. The work involves
(1) 6300 tons crushed gravel or stone;
(2) 320 tons cutback asph. road oil;
(3) 8.6 mi. mixing and shaping bituminous treated material;
(4) 20.1 miles preparing roadbed;
(5) 2275 bbls. heavy fuel oil.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco and Los Angeles and the district in which the work is situated.

BIDS WANTED

STATE OF OREGON—Until June 7, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H Baldock, State Highway Engineer, in the Auditorium, third floor, Public Service Bldg., Sixth and Salmon Sts., Portland, for highway construction as follows.

Coos County—Grading

South approach to Coos Bay Bridge on Oregon Coast Highway at North Bend. National Recovery Project No. NRM 141-E. 0.21 mile grading requiring approximately 38,000 cu. yds. embankment in place.

Jackson County—Granding & Paving

Ashland Undercrossing Section of Pacific Highway. National Recovery Project No. NRH 157-B. 350 lin. ft. grading and paving, and construction of concrete abutments for an overcrossing structure. Requires approximately 12,000 cu. yds. excavation, 280 sq. yds. Portland cement concrete pavement, 1250 cu. yds. Class "B" concrete, and 14,000 lbs. metal reinf.

Multnomah County—Grading and Paving

Swift Section of Swift Secondary Highway No. 120. State Project. 1.4 miles grading and paving. Requires approximately (1) 33,000 cu. yds. embankment; (2) 9100 sq. yds. Portland cement concrete pavement; (3) 16,100 sq. yds. asph. concrete pavement; (4) 16,500 sq. yds. rock shoulders.

Sherman County—Guard Fence, Sight Posts

Deschutes River - John Day River Guard Fence Project on Columbia River Highway. State Project. Requires construction of approximately 11,500 lin. ft. of guard fence, and furnishing and installing 320 sight posts. Alternate bids to be received on Port Orford cedar posts and precast Portland cement concrete posts.

Plans and specifications obtainable from State Highway Commission, Rm. 322, State Office Bldg., Salem, Oregon, upon deposit of $5 per set.

CONTRACT AWARDED

PACIFIC COUNTY, Wash.—Homer G. Johnson, Imperial Hotel, Portland, at $96,201.50 awarded contract by L. V. Murrow, Director of Highways, Olympia, May 22 for surfacing with crushed stone about 4.9 miles of State Road No. 12, Bruceport to Palix river, Unit 2 of PWA Project 7712, in Pacific County. Complete bids follow:
Homer G. Johnson, Portland, $96,201; Fred G. Redman, Yakima, $108,353, and Graham Bros. & Medley, Chehalis, $115,148.

BIDS OPENED

SAN FRANCISCO.—J. S. Heilmann, 2703 21st St., San Francisco, at $2,949.00 submitted low bid to William McLaughlin, construction engineer, U. S. Marine Hospital, 14th Ave. and Lake St., May 25, for resurfacing an old road and laying 400 feet of 4-inch tile subdrainage system to catch existing spring water in back of the main hospital. The work involves approximately 3300 sq. ft. of surfacing. Complete bids follow:

J. S. Heilman	$2,949.00
E. J. Treacy	3,020.00
Theo. Cohn	3,827.00
R. A. Farish	3,982.00

All bids held under advisement.

CONTRACT AWARDED

MULTNOMAH COUNTY, Oregon—Harold Blake, 400 N. Thompson St., Portland, at $124,736 awarded contract by the Oregon State Highway Commission, Portland, for 2.13 miles pavement widening and resurfacing on the Halsey Street-Clinton Street Section of Eighty-second Ave., in the City of Portland.

BIDS OPENED

COCONINO COUNTY, Arizona—Leo Frost, Joseph City, Ariz., at $10,400 awarded contract by U. S. Bureau of Public Roads, Phoenix, for placing subgrade reinforcement on portions of Section J of Route 12, the Globe-Holbrook National Forest Highway, Sitgreaves National Forest, Coconino County, a length of 11.626 miles.

FUNDS APPROPRIATED

SOUTH PASADENA, Cal. — The Los Angeles County Board of Supervisors have appropriated $75,000 to the City of South Pasadena, for improving Pasadena Avenue from the west city boundary to Mission Road and Mission Road to Fair Oaks Ave.

CONTRACT AWARDED

PACIFIC CO., Wash.—H. G. Johnson, Imperial Hotel, Portland, at $86,-101.00 awarded contract by L. V. Murrow, Director of Highways, Olympia, May 22 for surfacing with crushed stone about 6.2 miles of State Road No. 12, South Bend to Bruceport, Unit 1 of PWA Project 7712, in Pacific Co. Complete bids follow:

Homer G. Johnson, Portland, $86,-101; Graham Bros. & Medley, Chehalis, $93,460; and Jas. Berin, Cosmopolis, $98,223.

CONTRACT AWARDED

COLUMBNA and Garfield Counties, Wash.—Standard Asphalt Paving Co., 603 Chronicle Bldg., Spokane, at $37,-785.30 awarded contract by L. V. Murrow, Director of Highways, Olympia, May 22, for constructing a bituminous mat by bituminous macadam method on about 3.3 miles, and by the road mix method on about 0.5 of a mile and constructing a bituminous seal coat on about 26.4 miles of State Road No. 3, end of pavement north of Dayton to Pomeroy, Unit 2 of PWA Project 7726, in Columbia and Garfield counties. Complete bids follow:

Standard Asphalt Paving Co., Spokane, $37,785; Hewett Judd Co., Se-Spokane, $38,839. 9
attle, $38,619, and March Const. Co.,

BIDS WANTED

WASHINGTON STATE—Until June 12, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for the following highway construction:

Grays Harbor County—Grading, Surfacing, Etc.

Grading, surfacing and constructing eight treated pile and timber trestles on about 17.3 miles of State Road No. 9, Hoquiam to Humptulips, Federal Public Works Project No. 7985 in Grays Harbor County, involving:

(1) 74 acres of clearing;
(2) 193,160 cu. yds. excavation;
(3) 79,140 cu. yds. gravel borrow;
(4) 9,560 cu. yds. shoulder material;
(5) 42,750 cu. yds. crushed stone surf.
(6) 306 cu. yds. concrete;
(7) 150 MBM treated timber & plank;
(8) 3,980 lin. ft. treated piling;
(9) 5,000 lin. ft. pipe culverts;
(10) other items.

Grays Harbor, Jefferson and Clallam Counties—Bituminous Seal Coat

Construct a bituminous seal coat on about 105.1 miles of State Road No. 9, Quinault river to Indian creek, and construct a bituminous treated surface (light) on about 12.4 miles, Indian creek to Port Angeles, Units 1, 2 and part of Unit 6 of PWA Project 7711 in Grays Harbor, Jefferson and Clallam Counties, involving:

(1) 1,449 tons bituminous cement cut-back asphalt, RC-4;
(2) 1,360 bbls. bituminous cement SC-2 road oil;
(3) other items.

Cowlitz, Wahkiakum, Lewis and Pacific Counties—Blt. Mat and Surf.

Construct a bituminous seal coat on about 34.3 miles, a bituminous treated surface (light) on about 97.6 miles and a bituminous mat by the road mix method on about 0.4 of a mile, all on State Road No. 12, Longview to Johnson's Landing, Johnson's Landing to Point Ellice (including the Skinville cut-off) and Beam Rd. to South Bend, Units 3, 4 and 5 of PWA Project 7744 in Cowlitz, Wahklakum, Lewis and Pacific counties, involving:

(1) 176 tons bituminous cement cut-back asphalt, RC-4;
(2) 5,770 bbls. bituminous cement SC road oil;
(3) other items.

Grays Harbor County—Grading and Surfacing

Grading about 0.9 of a mile and surfacing with crushed stone about 7.4 miles of State Road No. 13, Arctic to Pacific county line, Section 1 of PWA Project 7768, in Grays Harbor County, involving:

(1) 4 acres of clearing;
(2) 33,090 cu. yds. excavation;
(3) 8,520 cu. yds. ballast;
(4) 20,080 cu. yds. crushed stone surf.
(5) 171 lin. ft. pipe culverts;
(6) other items.

Grays Harbor and Pacific Counties—Surfacing

Surfacing with crushed stone about 7.3 miles of State Road No. 13, Grays Harbor county line to Raymond, Sec. 2 of PWA Project 7768 in Pacific Co., involving:

(1) 5,300 cu. yds. excavation;
(2) 14,140 cu. yds. ballast;
(3) 20,280 cu. yds. crushed stone surf. material;
(4) other items.

Plans and specifications obtainable from above upon a deposit of $2.00 for each set.

BIDS WANTED

VENTURA COUNTY, Cal.—Until June 15, 2 P. M., bids will be received by S. V. Cortleyou, District Engineer, Dist. VII, Room 808, State Bldg., Los Angeles, for treating about 42.1 mi. with heavy fuel oil as a dust paliative in Ventura County, between Ojai and the westerly boundary (VII-Ven-138-B,C,D,E). The work involves 5300 bbls heavy fuel oil in place

FUNDS ALLOTTED

BAKERSFIELD, Cal. — Earl Lee Kelly, State Director of Public Works has announced that $73,000 has been allocated for state highway work and maintenance in the City of Bakersfield during 1934-35, in accordance with an agreement between the city council and the State Department of Public Works.

BIDS WANTED

YUMA CO., Cal.—Until June 6, 10:30 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for improving the Blythe-Wickenburg Highway, NRH Project No. 98-D. The work, which is to begin near the town of Salome and extend about 18.7 miles northeast to the Yuma-Maricopa county line, consists of placing base course and mineral aggregate and oil processing by the road mix method, using road oil.

The work involves:

(1) 31,600 cu. yds. aggregate base course;
(2) 84,000 cu. yds. mi. do. haul;
(3) 20,500 cu. yds. mineral aggregate CIP;
(4) 368,700 gals. road oil;
(5) 460 tons emulsified asph, Class A
(6) 18.6 miles processing road mix;
(7) 1,610 cu. yds. screenings.

Plans and specifications obtainable from above office; T. S. O'Connell State Highway Engineer.

BIDS WANTED

ARIZONA STATE.—Until June 6, 10 A. M., bids will be received by the Arizona State Highway Commission Phoenix, for highway construction on the Winslow-Flagstaff Highway, NRH 74 (AFE No. 6630). The work, which is located about 16 miles west of Winslow, consists of grading, draining and placing of base course and oil mix at the Sunshine railroad underpass.

The work involves:

(1) 1200 cu. yds. roadway excavation
(2) 58 cu. yds. Class A concrete;
(3) 2500 lbs. reinforcing steel;
(4) 600 cu. yds. agg. base course;
(5) 1800 sq. yds. furnish and place new oil mix;
(6) 3600 gals. road oil;
(7) 2 tons cutback asphalt;
(8) other incidental items.

Plans and specifications obtainable from above office; T. S. O'Connell, State Highway Engineer.

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U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four weeks period ending May 31:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Treasury Dept., Washington, D. C.	Buildings, boat basin, etc., Port Towensend, Wash.	Murch Bros. Const. Co St. Louis	$218,000.00	May 4
U. S. Engineer Office, Portland, Oregon	Residences, Bonneville, Ore.	Geo. Waale Co., Portland	$160,688.00	May 4
Treasury Dept., Washington, D. C.	Elevator plant, U. S. Marine Hospital, Ft. Stanton, N. M.	Kimball Bros., Council Bluffs, Iowa	$ 5,830.00	May 5
Bureau of Reclamation, Denver	Portland cement, Grand Coulee, Washington	Northwest'n Port. Cement Co., Seattle	$ 59,040.00	May 7
Bureau of Reclamation, Ontario, Oregon	Canal structures, Owyhee Proj.	Barnard Curtiss Co., Minneapolis, Minn.	$154,290.00	May 7
Bureau of Reclamation, Spokane Washington	Grading & highway structures, Grand Coulee, Wash.	Crick & Kuney, Spokane	$220,676.50	May 7
Bureau of Reclamation, Spokane Washington	Grading & highway structures, Grand Coulee, Wash.	S. H. Newell & Co., Portland	$ 8,580.00	May 7
Bureau of Prisons, Washington, D. C.	Steel sash windows, Alcatraz Island	MacDonald and Kahn, San Francisco	$ 12,467.00	May 7
Bureau of Prisons, Washington, D. C.	Steel frame guard towers and walkways, Alcatraz Island	Fred J. Early, Jr., San Francisco	$ 8,169.00	May 7
Bureau of Reclamation, Denver	Spiral stairway and platform, Boulder Canyon, Nevada	Ornamental Iron W'ks, Akron, Ohio	$ 11,551.00	May 8
Const. Quartermaster, March Field	Deep well pump, pump house, etc., March Field	George E. Miller, Beverly Hills	$ 5,437.00	May 9
Bureau of Public Roads, San Francisco	1.586 miles grading, Los Angeles County	Gibbons & Reed, Burbank	$137,002.74	May 9
Bureau of Public Roads, Portland	12.44 miles surfacing etc., Douglas and Jackson Cos., Oregon.	A. Milne, Portland	$129,761.00	May 11
Bureau of Prisons, Washington D. C.	Wire Fencing, Alcatraz Island	California Wire Cloth Co., S. F.	$ 10,452.00	May 11
Constructing Quartermaster, Ft Mason	Granding runways, etc., Benton Air Field	Meyer Rosenberg, San Francisco	$ 47,960.00	May 14
Bureau of Public Roads, San Francisco	Grading, Butte & Tehama Cos.	Clarence Young, Oakland	$133,150.45	May 15
Const. Quartermaster, Fort Mason	Chain link fence, Benton Field Air Depot	Armour Fence Co., Newark, N. J.	$ 5,100.00	May 17
Bureau of Reclamation, Vale, Oregon	Agency Valley Reservoir County Road, Vale	Morrison - Knudsen, Boise, Idaho	$ 14,552.00	May 17
Const. Quartermaster, Hamilton Field	Water storage tanks, Hamilton Field	Thos. J. Doyle, San Francisco	$ 18,217.00	May 19
Directors of Middle Rio Grande Conservancy Project, Albuquerque, N. M.	Steel spillway lining, El Vadr Dam	Wyatt Metal & Boiler Works, Dallas, Texas	$ 44,766.00	May 19
Const. Quartermaster, Fort Lewis, Wash.	Plumbing and heating equip., Drill Hall, Fort Lewis	General Installation Co., Olympia	$ 13,540.00	May 18
Bureau of Public Roads, Ogden Utah	0.377 mile highway construction Garfield County, Utah	F. B. Bothwell, Salt Lake City	$ 32,186.65	May 22
U. S. Bureau of Public Roads. Phoenix	Bituminous surfacing, Coconino County, Arizona	New Mexico Const. Co. Albuquerque	$125,109.60	May 24
U. S. Bureau of Public Roads, Phoenix	Subgrade reinforcement, Coconino County, Ariz.	Leo Frost, Joseph City Arizona	$ 10,400.00	May 25
U. S. Indian Irrigation Service, Los Angeles	Transmission Line, Chiu Chui Project, Arizona	New State Elec. Co., Phoenix	$ 12,760.00	May 25
Bureau of Yards and Docks, Washington, D. C.	Two bridge cranes, Puget Sound Wash.	Harnischfeger Sales Corp., Milwaukee	$ 44,420.00	May 25
U. S. Bureau of Public Roads, San Francisco	Grading, Tolumne County	Poulos and McEwen, Sacramento	$ 9,060.10	May 28
U. S. Bureau of Public Roads, San Francisco	Grading & placing base course. Mariposa County	Granite Const. Co., Watsonville	$234,874.00	May 28
U. S. Bureau of Public Roads, San Francisco	24.615 miles subgrade reinf., Yavapai, Coconino Cos., Ariz.	Geo. W. Orr, Bisbee, Arizona	$ 40,475.00	May 29
Const. Quartermaster, Fort Mason	Battery charging and fire station, Fort Mason	DeLuca & Son, S. F.	$ 17,540.00	May 29
U. S. Engineer Office, S. F.	Dredginfi, Mendocino County	Chas. R. Perkins, Ft. Bragg	$ 6,525.00	May 29

BIDS OPENED

LOS ANGELES CO., Calif.—Basich Bros., 20550 Normandie Ave., Torrance, at $150,290.50 (Alt. A) and at $5,933.00 (Alt. B) submitted low bid to the State Highway Engineer, Room 8, State Building, Los Angeles, for grading and paving with asphalt concrete (Alt. A) or with Portland cement concrete (Alt. B) about 2 miles in Los Angeles between west city limits and Wilmington Blvd.

Complete total bids follow:

(A) Basich Bros., Torrance, (A) $150,-290.50; (B) $165,933.

(B) Oswald Bros., Los Angeles, (A) $153,632.80; (B) $170,665.30.

(C) Griffith Co., Los Angeles, (A) $160,280.60; (B) $181,824.60.

(D) United Concrete Pipe Corp., Los Angeles, (A) $163,736.50; (B) $181-786.50.

(E) Sharp & Fellows Contr. Co., Los Angeles, (A) $167,268; (B) $185,-222.00.

(F) Sully- Miller Contr. Co., Long Beach, (A) $167,983.00; (B) $186,-055.50.

(G) Sander Pearson & Mundo Engr. Co., Santa Monica and Los Angeles, (A) $199,177; (B) $216,762.

BIDS OPENED

LOS ANGELES CO., Calif.—Matich Bros., Elsinore, at $38,163.20 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for 41 miles of fuel oil treatment of roadbed and shoulders and applying bituminous treatment to shoulders, Los Angeles County at various locations.

Complete total bids follow:

(A) Matich Bros., Elsinore, $38,163.20.

(B) Dimmitt & Taylor, Los Angeles, $40,480.50.

(C) Geo. Herz & Co., San Bernardino $41,222.80.

(D) Kovacevich & Price, Southgate, $42,031.50.

(E) P. J. Akmadzich, Los Angeles, $46,637.00.

BIDS OPENED

LOS ANGELES and Orange Counties, Cal.—Dimmitt & Taylor, 815 E. 59th St., Los Angeles, at $29,695.60 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for 34.6 miles roadbed and shoulders to be treated with heavy fuel oil, etc., in Los Angeles and Orenge Cos.

Complete total bids follow:

(A) Dimmitt & Taylor, Los Angeles, $29,695.60.

(B) Kovacevich & Price, Southgate, $30,288.50.

(C) P. J. Akamdzich, Los Angeles, $31,250.50.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

COMPLETE BID LISTING

BONNEVILLE, Ore.—The Columbia Const. Co., a corporation composed of the Utah Const. Co., W. A. Bechtel Co., MacDonald & Kahn, Henry J. Kaiser Co., and Morrison-Knudsen Co at $8,972,650 submitted low bid to the U. S. Engineer Office, Customhouse, Portland, for the construction of the main spillway dam of the Bonneville Power and Navigation Project.

Complete bids follow:

(A) Columbia Const. Co., 1522 Latham Square Bldg., Oakland, $8,972,650.

(B) General Const. Co., Seattle and Portland, and J. F. Shea, Portland $9,436,500.

(C) Silas Mason, Inc., New York City; Guy F. Atkinson Co., San Francisco, and W. E. Kier Const. Co., San Diego, $10,938,400; (alternate) $10,428,400.

Unit quantities follow:

(1) 20 acres clearing and grubbing:

EXCAVATION

(2) 600,000 cu. yds. common above elev. +20;

(3) 70,000 cu. yds. rock;

(4) 500,000 cu. yds. common subaqueous below elev. +20;

(5) 70,000 cu. yds. rock subsqueous below elv.+20;

(6) 500,000 cu. yds. common inside cofferdams, below elev.+20;

(7) 250,000 cu. yds. rock inside cofferdams, below elev.+20;

(8) 100,000 cu. yds. impevious borrow

(9) 14,000 cu. yds. cutoff trenches under dam and apron;

(10) 6000 cu. yds. abutmant cutoff trenches;

(11) 30,000 sq. yds. trimming foundation rock;

(12) 500 lin. ft. of depth test piles in foundation area;

(13) 2,000,000 sta. yds. overhaul;

FILL

(14) 350,000 cu. yds. backfill abutments and wingwalls;

(15) 500,000 cu. yds. rolled fill in levees

ROCK REVETMENT

(16) 50,000 cu. yds. Bradford Island shore;

(17) 60,000 cu. yds. Washington shore.

COFFERDAM

(18) 15,000 cu. yds. cofferdam crib footing excavation;

(19) 7500 MFBM timbtr and lumbtr;

(20) 180,000 cu. yds. fill in cribs;

(21) 90,000 sq. ft. steel sheet piling;

(22) 200,000 cu. yds. toe and shore fill;

(23) 50 cu. yds. seal, subaqueous concrete;

(24) Omitted from final bid form;

(25) 180,000 cu. yds. removal of cofferdam;

(26) 60,000 acre feet pumping;

CONCRETE

(27) 45,000 cu. yds. Class A in dam. abutment walls and abutment cutoff walls;

(28) 50,000 cu. yds. Class A in wingwalls and fishways;

(29) 1500 cu. yds. Class A, special (architectural);

(30) 500,000 cu. yds. Class B in dam and apron;

REINFORCING STEEL

(31) 4,000,000 lbs. in piers, apron and cutoff wall;

(32) 8,000,000 lbs. girders, wingwalls and all other reinforcing steel;

STRUCTURAL STEEL

(33) 4,000,000 lbs. structural steel, carbon;

(34) 900,000 lbs. structural steel, copper bearing;

MISCELLANEOUS

(35) 108,000 lbs. steel castings;

(36) 30,000 lbs. rust resisting steel sealing plates;

chors and guides;

(37) 40,000 lbs. installing fishway an-

(38) 10,000 lin. ft. foundation grout pipe;

(39) 6000 lin. ft. drilling foundation grout holes;

(40) 20,000 cu. ft. foundation grouting;

(41) 60,000 lbs. contraction joint grout pipe, including pressura recording pipe with fittings;

(42) 2000 cu. ft. contraction joint grouting;

(43) 6000 lin. ft. copper water stops;

(44) Omitted from final bid form;

(45) 13,000 lin. ft. electrical conduit, fiber;

(46) 5000 lin. ft. electrical condult, metal;

(47) 4000 lin. ft. copper ground wire;

(48) 200 MFBM timber in laminated deck;

(49) 40,000 lbs. miscellaneous items of metal work;

(50) 8000 lin. ft. 3½-in. heater pipe;

Unit bids follow:

	(A)	(B)	(C)
(1)	$240.00	$450.00	$500.00
(2)	.48	.72	1.00
(3)	1.20	1.50	1.00
(4)	.85	1.20	1.25
(5)	2.30	4.00	1.25
(6)	.85	1.00	2.00
(7)	2.10	2.00	2.00
(8)	.55	.70	.75
(9)	6.50	8.00	4.00
(10)	21.00	8.00	16.00
(11)	1.80	2.00	2.00
(12)	19.00	40.00	15.00
(13)	.0125	.02	.01
(14)	.35	.40	.40
(15)	.30	.50	.20
(16)	1.00	1.20	.75
(17)	2.00	2.25	1.25
(18)	4.80	5.00	4.00
(19)	100.00	88.00	200.00
(20)	.75	1.00	3.00
(21)	2.30	2.00	2.50
(22)	.30	.40	.25
(23)	18.00	50.00	25.00
(25)	1.20	1.00	4.50
(26)	6.00	7.00	5.00
(27)	11.00	10.00	10.00
(28)	12.00	12.00	10.00
(29)	30.00	30.00	15.00
(30)	4.60	4.60	4.60
(31)	.048	.04	.045
(32)	.048	.04	.045
(33)	.063	.05	.05
(34)	.063	.07	.065
(35)	.25	.30	.25
(36)	.25	.60	.35
(37)	.05	.20	.025
(38)	.60	.60	.75
(39)	1.45	2.00	2.00
(40)	1.20	1.00	.50
(41)	.25	.30	.25
(42)	1.00	2.00	2.00
(43)	.50	1.00	1.00
(45)	.35	.30	.30
(46)	.50	.50	.35
(47)	.25	.20	.25
(48)	90.00	70.00	60.00
(49)	.10	.20	.10
(50)	.75	.80	.75

ALTERNATE—COFFERDAM BID

(51) 20,000 cu. yds. cofferdam crib footing, (C) $4.00;

(52) 2,650 MFBM timber and lumber; (C) $40.00.

(53) 350,000 cu. yds. fill in cribs, (C) $1.00;

(54) 375,000 sq. ft. steel sheet piling, (C) $2.40;

(55) 50 cu. yds. seal and subaqueous concrete, (C) $25.00;

(56) item omitted by bidder;

(57) 350,000 cu. yds. removal of cofferdam. (C) $.20;

(58) 60,000 acre feet pumping, (C) $5;

(59) 100,000 cu. yds. toe and shore fill (C) $.25;

(60) 8,800 tons structural steel, (C) $125.00;

(61) 11 each, diversion slot closures, (C) $4,000.00.

Engineer's estimate, $7,893,192.

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1198, for furnishing track supplies, spikes, bolts, etc, involving:

(1) 60 kegs 9/16 in. x 5½-in. track spikes;

(2) 30 kegs 1-in x ¼-in. track bolts, hexagon nuts, rolled thread, thread at least 2¾-in. long.

(3) 950 ⅞-in. std. tie rods, with nuts;

(4) 50 pairs joint plates for 141 lbs. 9-in. girder rail.

Complete bids follow:

(A) United Commercial Co., Inc., San Francisco.

(B) Pacific Coast Steel Co., San Francisco.

(C) Columbia Steel Co., San Francisco.

(D) Kortick Mfg. Co., San Francisco.

(E) Baker, Hamilton, Pacific Co., San Francisco.

	(A)	(B)	(C)	(D)	(E)
(1)	$5.70	$6.60	$6.60	$.....	$6.60
(2)	9.10	9.70	9.70	.....	9.70
(3)	.45	.45	.61	.47	.45
(4)	6.25	6.25	6.25	.....	6.25

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Steel Tank & Pipe Co., 1100 4th St., Berkeley, submitted low bid (for items 1, 3, 5), at $153,325.30; and for (items 2,4,6) at $189,056.50, on May 23 to John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th Street Oakland, for electric welded sheet pipe, under Proposal L. S. 120.

Complete bids follow:

(A) Steel Tank & Pipe Co., Berkeley, $153,325.30 (items 1, 3, 5) $189,056.60 (items 2, 4, 6).

(B) McClintic - Marshall Corp., Oakland, $160,806.40 (items 1, 3, 5).

(C) American Concrete & Steel Pipe Co., Oakland, $181,280.50 (items 1, 3, 5).

(D) Berkeley Steel Constr. Co., Berkeley, $164,200.20 (items 1, 3, 5); $205,409 (items 2, 4, 6).

*The bid of the Berkeley Steel Construction Co was rejected because of no accompanying check.

Quantities and unit bids follow:

(1) 24,750 lin. ft. ¼-in. thick, 36-in. diameter, with bump joints dipped in pipe coating;

(2) Alt.; same as 1 except with cement spun in bituminous lining and exterior cement wrapping. (Cement to be furnished by the District).

(3) 8280 lin. ft. ¼-in. thick, 30-in. dia. same at Item 1;

(4) Alt.; 8280 lin. ft. ¼-in. thick, 30-in. diameter, same as item 2;

(5) 1100 lin. ft. 3/16-in. thick, 20-in. diameter, same as item 1;

(6) Alt.; 1100 lin. ft. 3/16-in. thick, 20-in. diameter, same as item 2.

	(A)	(B)	(C)	(D)
(1)	$4.77	$4.98	$5.65	$5.1[illegible]
(2)	5.91	.....	.....	6.4[illegible]
(3)	3.91	4.13	4.60	4.1[illegible]
(4)	4.75	.....	.....	5.1[illegible]
(5)	2.63	3.05	3.05	2.9[illegible]
(6)	3.14	.....	.....	3.5[illegible]

All bids plus sales tax and are being held under advisement.

BIDS OPENED

SACRAMENTO, Cal.—E. F. Hilliard 1355 43rd St., Sacramento, at $2,928.40 submitted low bid to the Sacramento County Board of Supervisors, Courthouse, Sacramento, for paving with asphalt macadam the sections of the lower Stockton Road in the town of Franklin, about 13 miles south of Sacramento.

Total bids follow:
(A) B. F. Hilliard, Sacramento, $2,-928.40.
(B) A. Teichert & Sons, Inc., Sacramento, $2,995.75.
(C) Biasotti, Willard and Biasotti, Stockton, $3,058.50.

Unit quantities were:
(1) 467 cu. yds. excavation;
(2) 285 tons road rock;
(3) 240 tons 1½-in. crushed rock;
(4) 81 tons ¾-in. crushed rock;
(5) 58 tons screenings;
(6) 20 tons asphalt.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 1.00	$ 1.25	$ 1.00
(2)	2.50	2.40	2.50
(3)	3.00	2.95	3.50
(4)	3.00	2.95	3.50
(5)	3.05	3.10	4.25
(6)	30.00	29.50	25.00

All bids held under advisement.

BIDS OPENED

TULARE COUNTY, Calif.—Tiffany Const. Co., 535 N. Seventh St., San Jose, at $0.09 per gallon, total, $18,-000, submitted low bid to the Bureau of Public Roads, Sheldon Bldg., San Francisco, for bituminous surface treatment of Sections D3 and D4 of Route I, the Generals Highway, Sequoia National Park and Seciton A of the General Grant - Sequoia Park Approach Road, Tulare County, requiring 200,000 gallons of Type SC-2 liquid asphaltic road material.

Complete bids follow:

Tiffany Const. Co., San Jose, (barrel) $0.09; (total) $18,000.

E. A. Forde, San Anselmo, $.12; $24,000.

Hemstreet & Bell, Marysville, $.1375 $27,500.

Engineer's estimate, $.07; $14,000.

The bids of Yglesias Bros., Inc., San Diego, was not read as no certificate of compliance with the NRA Code was enclosed.

All bids held under advisement.

BIDS OPENED

RIVERSIDE COUNTY, Cal.—Matich Bros., Elsinore, at $1,968.50 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, for 1.7 miles of fuel oil treatment in Perris, Riverside county.

The work involves:
(1) 800 bbls. fuel oil in place;
(2) 1.7 miles prepare, mix and shape shoulders.

Complete bids follow:

Matich Bros., (1) $1.30; (2) $485; (total) $1,968.50.

Geo. Herz & Co., (1) $1.50; (2) $534; (total) $2,243.10.

BIDS OPENED

RIVERSIDE COUNTY, Cal.—Matich Bros., Elsinore, at $2189.50 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, for treating shoulders with fuel oil on about 1.9 mile in Riverside County in the City of Elsinore.

Total bids follow
(A) Matich Bros., Elsinore, $2189.50.
(B) Geo. Herz & Co., San Bernardino $2516.70.

Unit bids follow:
990 bbls. heavy fuel oil in place (A) $1.30; (B) $1.50.
1.9 mi. mixing, preparing and shaping shoulders, (A) $475; (B) $543.

Bids held under advisement. 29

COMPLETE BIDS

COCONINO COUNTY, Ariz.—O. F. Fisher, Phoenix, at $30,350 (as previously reported) submitted low bid and recommended for award by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing subgrade reinforcement on 10.94 miles of Section D of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino Co.

Complete bids follow:
(A) O. F. Fisher, Phoenix, $30,350.
(B) Skousen Bros., Mesa, Ariz., $35,-750.00.
(C) New Mexico Const. Co., Albuquerque, N. M., $48,140.00.
(D) Engineer's estimate, $30,750.00.

Unit items and bids follow:

(1) 26,000 cu. yds. subgrade reinforcement, (A) $.85; (B) $1.00; (C) $1.39; (D) $.75.

(2) 75,000 cu. yds. mi. haul subgrade reinf., (A) $.11; (B) $.13; (C) $.16; (D) $.15.

COMPLETE BID LISTING

SAN LUIS OBISPO CO., Cal.—Walter B. Roselip, 756 Santa Rosa Street, San Luis Obispo, at $7,562.80 (as previously reported) on May 22 submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for 41.7 miles of oil treatment to be applied to the existing roadbed in San Luis Obispo County.

Total bids follow:
(A) Walter B. Roselip, San Luis Obispo, $7,562.80.
(B) Granite Const. Co., Ltd., Watsonville, $10,936.25.
(C) L. A. Brisco, Arroyo Grande, $12-216.50.
(D) Oilfields Trucking Co., Bakersfield, $13,217.10.

Unit items and bids follow:

(1) 4,400 bbls. heavy fuel oil in place, (A) $1.445; (B) $1.53; (C) $1.55; (D) $1.85.

(2) 12.55 miles mixing and shaping oiled matter, (A) $96; (B) $335; (C) $430; (D) $404.55.

COMPLETE BID LISTING

SAN BENITO CO., Cal.—Walter B. Roselip, 756 Santa Rosa St., San Luis Obispo, at $6,836.10 (as previously reported) on May 22 submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera Street, San Luis Obispo, for 11.7 miles of oil treatment in San Benito County.

Total bids follow:
(A) Walter B. Roselip, San Luis Obispo, $6,836.10.
(B) Granite Const. Co., Ltd., Watsonville, $7,861.00.
(C) L. A. Brisco, Arroyo Grande, $10,-243.10.

Unit items and bids follow:
(1) 2,620 bbls. heavy fuel oil in place (A) $1.725; (B) $1.75; (C) $1.90.
(2) 11.7 miles mixing and shapeing oiled material, (A) $198; (B) $280; (C) $450.

BIDS OPENED

GLENDALE, Los Angeles Co., Cal.—Southwest Paving Co., 711 Lankershim Bldg., Los Angeles, at $31,199.31, submitted low bid to the Glendale City Council May 24 for improving Colorado St. between Central Avenue and the east city limits, about 1.6 miles, under cash contract. The work involves burning off a portion of the old pavement, grading a portion of the center and resurfacing with asphaltic concrete. The roadway is 56 ft. wide. The work involves:
(1) 143,387 sq. ft. grading;
(2) 351,235 sq. ft. burning off existing surface;
(3) 10,255 tons asph. concrete;
(4) reconstruct corrugated iron culvert.

Complete bids follow:
(A) Southwest Paving Co., Los Angeles, $31,199.31.
(B) Geo. R. Curtis Paving Co., Los Angeles, $31,549.26.
(C) Griffith Co., Los Angeles, $34,-970.53.
(D) R. A. Wattson, Los Angeles, $36,-327.51.

Unit bids follow:

	(1)	(2)	(3)	(4)
(A)	$.014	$.014	$2.32	$483.00
(B)	.02	.012	2.34	470.00
(C)	.016	.024	2.34	250.00
(D)	.026	.02	2.45	450.00

All bids held under advisement.

BIDS OPENED

APACHE COUNTY, Arizona.—R. L. Sharp, Nutrioso, Ariz., at $1675 submitted low bid and recommended for award of contract by the Bureau of Public Roads, Phoenix, for highway construction on Route 20, Springerville-Alpine-State Line, Section 13, J2, Unit 2, 1.88 miles, Apache National Forest, Apache County. The work involves:
(1) 2,950 cu. yds. selected material for subgrade reinforcement;
(2) 8,400 cu. yds. mi. hauling selected material for subgrade reinf.

Unit and total bids follow:

R. L. Sharp, Nutrioso, Ariz., (total bids) $1,675; (1) $.34; (2) $.08.

Erastue Skousen, Alpine, Ariz., $1,-852; (1) $.40; (2) $.08.

R. S. Black, Clifton, Ariz., $2,188; (1) $.40; (2) $.12.

Engineer's estimate, $2,292.50; (1) $.35; (2) $.15.

BIDS OPENED

MAYWOOD, Cal.—Kovacevich and Price, 5400 Imperial Highway, South Gate, at approximately $8103.50, submitted low bid to the Maywood city council, May 22, for the construction of rail top culverts at the intersection of Atlantic Blvd. and 58th St. and the intersection of Atlantic Blvd. at 60th St., Maywood. Work includes the removal of certain existing cement concrete pavement, sidewalk and curbs and the construction of culverts, curbs, sidewalks, cement concrete gutters and the remodeling of existing intersections with asphaltic concrete pavement. Complete bids follow:
(1) lump sum 58th St.;
(2) lump sum 60th St.;
(3) asphalt concrete per ton;
(4) reconstruct manholes.

The bidders follow:
(A) Kovacevich & Price, South Gate.
(B) Mlagenovich & Gillespie, L. A.
(C) Kresich Bros., Los Angeles.
(D) Charles Booth, Los Angeles.
(E) Reid & Maiser, Los Angeles.
(F) John Oberg, Los Angeles.

Unit prices follow:

	(1)	(2)	(3)	(4)
(A)	$3200.00	$3390.00	$2.90	$ 5.00
(B)	3214.00	3700.00	3.00	10.00
(C)	3261.00	3561.00	3.35	10.00
(D)	3385.00	3560.00	3.00	10.00
(E)	3883.00	4858.00	3.40	10.00
(F)	4774.00	5225.00	3.50	30.00

All bids held under advisement.

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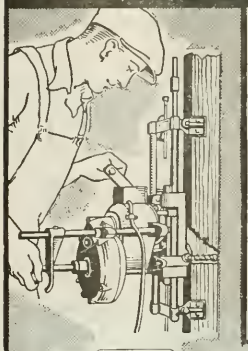

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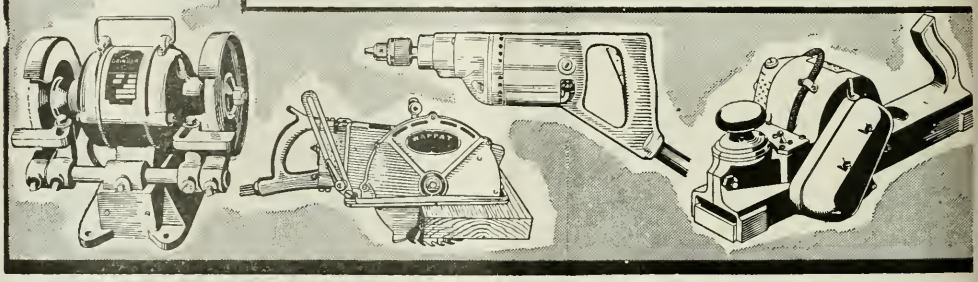

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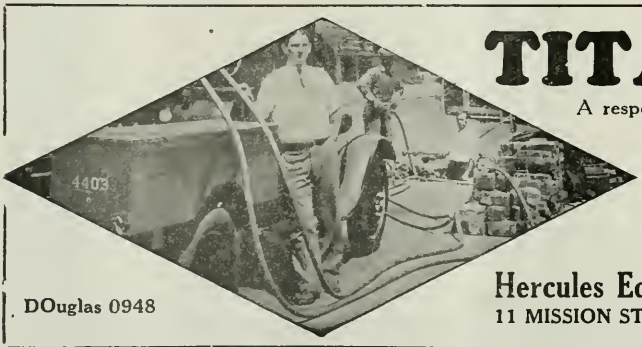

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Vol. XVII SAN FRANCISCO, CALIF., JUNE 9, 1934 No. 23

Moderate Gain in Building Permit Values Reported by Western Cities

Permits issued by inspection departments of the principal cities of seven western states for May indicate a building volume approximately the same as that of the corresponding month last year and an increase in value over April of about 10 percent, although fewer individual permits were issued.

The totals for city and county departments reporting to PACIFIC CONSTRUCTOR.

	Permits	Value
May, 1934	5045	$5,358,082
April, 1934	5651	$5,038,721
May, 1933	6373	$5,458,041

The final total for May, 1934, will be increased by approximately $500-000 by figures from departments which have not yet reported.

The first ten cities ranked in order of the value of permits issued are:

Los Angeles	$1,028,023
San Francisco	613,417
Seattle	582,530
Portland	288,605
San Bernardino	224,817
Oakland	220,920
Beverly Hills	202,800
Glendale	202,490
San Mateo	158,055
Long Beach	105,526

Although the month's totals compared with the previous and corresponding month show little improvement in the total volume, many cities throughout the west participated in the gains. May totals a year ago were increased largely by repair of earthquake damage in Southern California, giving Long Beach and other cities in the area abnormal gains. The fact that these totals were compensated by gains in other regions in the past month shows a more encouraging trend.

TEUFEL-CARLSON IOW BIDDERS ON OREGON BRIDGES

Stipulate Acceptance of Only One Award; California Firm Second

PORTLAND, Ore., June 7.—Low bids on construction of both the Umpqua River and Siuslaw River bridges were submitted to the Oregon State Highway Commission today by Teufel and Carlson of Seattle. The contractors, however, stipulated that they would accept only one award.

The second low bid on the Umpqua crossing was that of Sheble Construction Co., Seattle; on the Siuslaw span that of Mercer-Fraser Co., Eureka.

Complete total bids follow:

Umpqua River Bridge

Teufel & Carlson, Seattle	$551,234.00
Sheble Const. Co., Seattle	581,650.00
Mercer-Fraser Co., Eureka	586,425.00
General Const. Co., and Gilpin Const. Co., Portland	587,000.00
Joplin & Eldon, Portland	588,650.00
Puget Sound Const. Co., Seattle	615,350.00

Siuslaw River Bridge

Teufel & Carlson, Seattle	$471,871.50
Mercer-Fraser Co., Eureka	491,646.00
Lindstrom and Feigenson, Parker & Banfield, and T. H. Banfield, Portland	498,480.00
Sheble Const. Co., Seattle	512,300.00

JOINT BID OF MID-WEST FIRMS LOW ON CANAL

Many Contractors Offer Figures on Excavation Work

LOS ANGELES, June 7.—Contractors from points through the west and middle west submitted bids today to the Bureau of Reclamation at Yuma on the initial contract for excavation of the All-American canal.

Stipulations by various contractors today made final determination of the low bidder difficult.

W. E. Callahan Construction Co., Herman Gunther and J. P. Shirley, bidding jointly from Dallas, Texas, however, apparently were the low bidders on the first six schedules, including eleven of the thirteen bid items. Their total bids on this portion of the work was $4,860,000. The remaining schedule was bid by the Griffith Co., Los Angeles, at $226,800.

The Callahan, Gunther, Shirley combination were actual low bidders on only two of the six schedules, which they may be awarded. However, other bidders disqualified themselves by stipulating combination awards.

George Pollock Co., Sacramento, low bidder on Schedules 3, 5 and 6, declined acceptance of this combination.

Canal Construction Co. and the Morrison Co., San Francisco, a syndicate of Six Companies associates, specified an all or none award. Officers of Canal Construction Co. are H. W. Morrison, president; John Phillips, vice-president; Felix Kahn, treasurer; S. D. Bechtel, secretary. Headquarters are at 155 Sansome street.

S. S. Magoffin, low bidder on Schedule 4, specified acceptance of a combination of 4 and 7 only.

Utilities Commission To Receive Bids Next Tuesday on 20-Mile Bay Crossing Pipe Line; Unit of $4,000,000 Project

Bids for the Bay crossing pipe line No. 2, a project most necessary for the further development of the San Francisco water supply system to meet the growing demands of both San Francisco and the Peninsula communities, will be opened on June 12 by the Public Utilities Commission.

The addition to the present Bay crossing pipe line will be the second unit of the Hetch Hetchy Bay crossing division pipe line. This unit will supplement and parallel the existing Bay crossing pipe from the Irvington portal or western terminus of the Coast Range Tunnel of the Hetch Hetchy Aqueduct to the easterly portal of the Pulgas tunnel which discharges into the Crystal Springs Reservoir. The work involved includes the necessary control valves and connection at Irvington portal; the installation of some 102,000 feet of 62- and 76-inch steel pipe or its equivalent, of which some 79,000 feet will be in trench. The remainder will be carried on timber trestle and the existing steel bridge now supporting a portion of the initial unit; the installation of 42-inch cast iron submarine pipe across Newark slough; the installation of three 42-inch cast iron submarine pipes across Dumbarton Straits, a distance of 2800 feet more (this includes the laying of the second submarine unit of the original Hetch Hetchy line) and the installation of all the necessary auxiliary fittings and valves.

There is also included as an auxiliary to the Bay crossing pipe line, a pumping plant to be erected in the vicinity of Sunol with a connecting pipe line to the Alameda portal of the Coast Range Tunnel. This plant will be needed to make the pipe line available for delivery of water from Pleasanton and the Sunol gravel beds to Crystal Springs Reservoir by gravity from that point.

The contract for which bids are to be received next Tuesday is for construction of a section of the pipe line 20.7 miles in length from the Irvington Portal of the Coast Range Tunnel near Irvington to the East Portal of the Pulgas Tunnel, about 3 miles west of Redwood City.

For the purposes of bidding and award of contract, the pipe line is divided into Sections A, B and C, as follows:

Section A, totaling about 11.3 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station and the Pulgas Tunnel. This section may be constructed either of 66-in. diameter welded steel pipe under Proposition 1, or 62-in. diameter steel cylinder reinforced concrete pipe with short sections of 66-in. diameter welded steel pipe in certain locations, under Proposition 2.

Section B, totaling about 4.4 miles of pipe line, covers that portion of the line, excepting the submarine pipes, to be constructed between the concrete anchor block near the Pulgas Pump Station. This section will be constructed of 66- and 76-in. diameter welded steel pipe. Those portions of the concrete anchor blocks to be constructed under this contract or contracts shall be performed as part of Section B.

Section C, totaling about 5.0 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station, and the Pulgas Tunnel. This section will be constructed of 62-in. diameter steel cylinder reinf. concrete pipe with short sections of 66-in. diameter welded steel pipe.

Alternate Propositions for Section A: This section of the line may be constructed under either of the following propositions:

Proposition 1—66-in. diam. welded steel pipe;

Proposition 2—62-in. diameter steel cylinder reinforced concrete pipe.

Possible Awards: The work may be awarded in one, two or three separate contracts as follows:

(1) A single contract may be awarded for the construction of the entire pipe line covering Sections B, C and A under either Propositions 1 or 2.

(2) Two separate contracts may be awarded for the construction of the pipe line as follows: One contract covering Section A under Prop. 1, together with Section B and one contract for Section C; or one contract covering Section A under Prop. 2, together with Section C and one contract for Section B.

(3) Separate contracts may be awarded for the construction of each of the three sections of the pipe line, as follows: A contract for Section B; a contract for Section C; and a contract for Section A under either Propositions 1 or 2.

With the completion of the Hetch Hetchy Aqueduct to Irvington Portal, there will be available on the Alameda side of the Bay 60 million gallons daily from the Hetch Hetchy, in addition to the 40 to 50 million gallons per day now available from the Transbay sources. Under Hetch Hetchy conditions of operation the present pipe line capacity for transporting this water to the Crystal Springs Reservoir and the San Francisco Peninsula is approximately 43 million gallons daily by the Hetch Hetchy pipe line and about 16 million gallons daily by the old Spring Valley - Alameda pipe line. Long sections of this Alameda pipe line are now in such a condition of deterioration that this pipe line is frequently out of service for a week or even two weeks at a time and it is only a question of a short time until this line will be abandoned.

The completion of the proposed new transbay pipe line and the Sunol pumping plant will permit the abandonment of the old Alameda pipe line, and will increase the net transbay pipe capacity for gravity delivery to the Crystal Springs Reservoir to 90 million gallons daily. The completion of this project will permit discontinuance of the Belmont pumping station and supplemented by the Calaveras pipe line, funds for which project were provided for in the 1933-1934 budget, will permit abandonment of the Pulgas pump station.

In addition to the operating economies thus effected, the project will add greatly to the dependability of the San Francisco water supply, as with the completion there will be two independent transbay pipe lines of equal capacity, each with twin submarine sections and so arranged that in case of trouble either line or sections thereof may be temporarily cut out, without interfering with delivery through the remaining lines or sections.

The estimated cost of the complete job including the Sunol pumping plant, engineering and inspection and interest during the construction is $4,640,000, of which $1-392,000 will be contributed by the Government and $3,248,000 will be from the 1933 bond issue.

Operating economies resulting from the discontinuance of the Belmont pumps and Bay Pulgas pumps will effect an annual net saving of $115,000 after allowing for the pumping charges at Sunol, which over the 15-year period will amount to $1,725,000. In addition to the direct operating economies effected, the proposed project, in conjunction with other correlated additions and extensions to the system necessary to provide for the

delivery and distribution of water in San Francisco, will during a 15-year period produce a cumulative gain in net revenue of approximately $37,000,000 after paying all operating expenses, interest, and redemption on the Spring Valley purchase bonds, depreciation, and a reasonable charge for the used capacity of the Hetch Hetchy system.

The addition to the present Bay crossing pipe line is immediately essential to the logical development of the existing San Francisco water supply system to provide additional capacity for increasing water sales, for safeguarding the continuity of the supply in San Francisco, or improving the fire protection facilities and extending service to consumers.

BID ITEMS ON BAY CROSSING PIPE LINE

The work involves:	Unit	Section A Prop. 1	Prop. 2	Sec. B	Sec. C
(1) furnish and lay 66-in. dia. welded steel pipe of ⅜-in. plate;	lin. ft.	26,600	1,880	.....	170
(2) do 7-16-in. plate;	lin. ft.	33,100	150	19,300	340
(3) do 76-in. dia. do ½-in. plate;	lin. ft.	.....	.....	3,870	.....
(4) furnish and lay steel pipe or pipe specials not included in other items;	lbs.	39,500	39,500	147,000	6,800
(5) felt wrapping on steel pipe;	sq. ft.	945,000	.....	.....	.....
(6a) ¾-in. mortar covering on steel pipe;	sq. ft.	135,000	.....	.....	.....
(6b) 2-in. reinf. conc. do;	sq. ft.	25,000	.....	.....	.....
(7) furnish and install expansion joints for 76-in. dia. pipe;	each	.....	.....	18	.....
(8) do for 66-in. pipe;	each	3	3	2	1
(9) furnish and install manholes for 150 lbs. pressure;	each	20	20	.....	5
(10) do for 250 lbs. pressure;	each	30	30	22	18
(11) furnish and install cast steel saddle nozzles;	lbs.	4,800	3,900	3,400	2,400
(12) furnish and install cast steel companion flanges;	lbs.	5,200	5,200	15,100	3,900
(13) furnish and install miscellaneous steel work;	lbs.	2,000	2,000	18,000	1,000
(14) furnish and install 4-inch gate valves for 150 lbs. pressure;	each	3	8	.....	2
(15) do for 250 lbs. pressure;	each	12	12	10	8
(16) do 6-in. gate valves for 150 lbs. pressure;	each	30	14	.....	6
(17) do for 250 lbs. pressure;	each	2	2	4	2
(18) do 8-in. gate valves for 150 lbs. pressure;	each	6	6	.....	2
(19) do for 250 lbs. pressure;	each	6	6	4	8
(20) furnish and install 4-in. vacuum valves for 150 lbs. pressure;	each	4	8	.....	2
(21) do for 250 lbs. pressure;	each	12	12	10	8
(22) do 6-in. vacuum valves for 150 lbs. pressure;	each	26	10	.....	6
(23) do for 250 lbs. pressure;	each	2	2	4	2
(24) furnish and install air release valves for 150 lbs. pressure;	each	12	12	.....	4
(25) do for 250 lbs. pressure;	each	6	8	8	6
(26) furnish and install steel frames and covers for valves and manhole boxes;	lbs.	25,000	20,500	.....	7,500
(27) furnish and install cast iron pipe manhole covers and fittings;	lbs.	4,000	4,000	1,000	2,500
(28) furnish and install corru. metal pipe culverts;	lbs.	2,000	2,000	.....	1,000
(29) furnish and install steel bolts, nuts and washers;	lbs.	2,900	2,900	4,900	1,800
(30) furnish and install steel castings not covered by other items;	lbs.	2,000	2,000	27,500	500
(31) install fittings furnished by City to be welded or riveted to pipe;	lbs.	7,500	7,500	5,000	2,500
(32) install Venturi meter, butterfly valve and gate valves furnished by the city;	lbs.	70,000	70,000	230,000	75,000
(33) install miscel. metal work furnished by the city and not covered by other items;	lbs.	7,500	7,500	5,000	2,500
(34) earth excav. for pipe trench;	c.y.	144,000	175,000	500	75,000
(35) rock excav. for pipe trench;	c.y.	9,500	11,200	.....	3,800
(36) earth excavtion for footings and structures;	c.y.	700	700	400	300
(37) rock excavation for do;	c.y.	400	400	.....	200
(38) construct earth embankments;	c.y.	9,500	9,500	800	2,500
(39) concrete, Class A;	c.y.	750	720	20	180
(40) concrete, Class B;	c.y.	150	160	.....	30
(41) concrete, Class C;	c.y.	.....	.....	520	.....
(42) extra cement;	bbls.	100	100	50	50
(43) furnish and place reinf. steel;	lbs.	96,000	100,000	17,000	23,000
(44) furnish and place struc. steel;	lbs.	56,000	56,000	136,000	.....
(45) construct valve house;	lp. sum	.....	.....	.....	1
(46) misc. timber struc. of Douglas fir	M.B.M.	10.0	10.0	60.0	5.0
(47) do of Redwood;	M.B.M.	10.0	10.0	25.0	5.0
(48) painting misccl. structures;	sq. yds.	500	500	300	300

Plans and specifications obtainable at Room 605, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $50.00.

PWA WITHDRAWS REQUIREMENT ON SUB-BID LISTS

Orders rescinding two important regulations governing PWA financed projects have been received by A. D. Wilder, San Francisco region engineer for the Public Works Administration.

The provision that every general contractor must file with his bid a list of sub-contractors to whom awards will be made in event he is successful bidder has been revoked effective immediately. In the case of San Francisco and other local agencies having this requirement, however, the ruling will not exempt PWA projects.

The text of the order follows:

P. W. 8538, issued Mar. 28, 1934, which is set forth in full below, is hereby rescinded:

"Every contractor who bids upon a project financed in whole or in part by loans or grants from the PWA shall submit in a sealed envelope with his bid to the contracting authority the names of all subcontractors and their bids upon which his bid is based. The sealed envelope so submitted shall have on it the name of the contractor with the words thereon 'Bids of Subcontractors'. Such submission shall be deemed to constitute an acceptance by the contractor, if awarded the contract, of the bid of each subcontractor. Any alteration therein, after the award of the contract, shall be subject to the approval of the PWA engineer."

This order will be effective as to all contracts for which bids have not been advertised.

The Administration also announced withdrawal of the provision requiring preference for local materials. The text of the bulletin follows:

Since the rule as to local preference for materials not only has worked hardship in many cases but also has frequently caused delay in the Public Works construction program, Paragraph 9 (b), Section C, Construction Regulations, Bulletin No. 2, revised March 3, 1934, and the memorandum to State Engineers relating thereto dated Oct. 23, 1933, are hereby rescinded and the local preference for materials clause in all Loan and Grant and/or Grant Agreements now executed is hereby waived.

As to construction contracts already let, the enforcement of the clause will be optional with the applicants. Except as otherwise provided by law, all future contracts will be awarded solely upon the basis of the lowest responsible bidder. Where prices, quality and quantity are the same, applicants may select any of the low bidders or may divide the orders as they desire.

CITY ASKS BID ON INCINERATOR GARBAGE PLANT

Disposal Contractor Must Construct Burner on Municipal Site

Contemplating the construction by a private contractor of a municipal garbage incinerator, the San Francisco Board of Supervisors has fixed August 20 as the date for receiving bids on the incineration franchise.

Proposals will be entertained for disposal by any type of incinerator which will meet the specifications adopted by the board. These specifications are available from City Engineer John J. Casey on deposit of $25.

The incinerator must have a minimum capacity of 800 tons per day and must be capable of handling refuse from thirty dump trucks each hour without delay. Upon completion of the plant a six-day test at capacity will be conducted by the city engineer. The contractor will be required to post a bond of $150,000 to guarantee performance in accordance with specifications.

Bidders will be required to file information as follows:

(1) A statement furnishing evidence of established reputation and experience in the construction of incineration plants and of the successful operation of at least one garbage and refuse incineration plant, using a furnace of the type proposed by the bidder.

(2) A statement of power consumption per ton of garbage and refuse disposed of.

(3) A statement as to whether additional fuel will be required.

(4) A statement of the operating personnel necessary, including supervision, giving the number of men divided into respective shifts assigned to each class of work when disposing of 800 tons per day of 24 hours.

(5) A statement as to the method of, and proposed location for the final disposal of ash, residue and reject materials which may accumulate from the operation of the plant.

(6) A statement giving the average number of pounds of garbage and refuse bruned per hour per square foot of grate upon which combustion takes place in the proposed furnace.

Bidders also are to supply a general statement covering estimates, itemizing the expected cost of operation and maintenance, and the expected cost of financing the project and amortizing the outlay required during the life of the franchise.

The statement covering cost of operation and maintenance shall be based upon tonnage and shall include:

The number of men required for each class of work per day.

The rate of pay allocated to each man.

The estimated cost of operating supplies, water, power and light.

The estimated cost for labor and material for maintenance.

The statement covering the cost of financing the project and amortizing the outlay required shall include:

Estimated cost of buildings;

Estimated cost of equipment;

Estimated amount of interest during construction;

Estimated cost of financing;

Estimated annual interest on investment;

Estimated amount of annual sinking fund;

Estimated cost of bond premium, taxes, and all insurance;

Estimated allowance for profit.

The incinerator is to be located on city-owned property in the block bounded by Alameda, De Haro, Fifteenth and Rhode Island streets.

NRA Code Assessment Rules Established By Executive Order

President Roosevelt is an Executive Order under date of April 14, 1934, has definitely clarified the Code Authority assessment question. Hereafter, Code Authorities may not compel contribution to the expense of code administration unless the code provides that non-payment of such assessments constitutes a code violation and until the NRA has approved their itemized budget of expenses and basis for assessment, states a bulletin of the Industrial Association of San Francisco.

No member of any trade or industry will be required to contribute to the expense of any Code Authority other than the one embracing his principal line of business. NRA, however, may require contribution to more than one Code Authority in certain instances. The fear of some employers that they would be called upon to support a wide succession of code authorities seems definitely removed by this order.

Members failing to contribute to Code Authorities operating under approved conditions will not be entitled to participate in the selection of members of the Code Authority or to receive the benefit of its voluntary activities or to make use of the Blue Eagle insignia. The new individual code Blue Eagle now about to be distributed will be released only to firms contributing to Code Authorities. Assessments may also be collected by approved Code Authorities through legal proceedings.

TRUCK OPERATORS MUST REGISTER VEHICLES HERE

State Code Authority Prepares For Enforcement of Regulations

All for-hire truck operators in California will be required to register their vehicles with the State Code Authority for the Trucking Industry by June 13, according to notice given yesterday by Z. E. Jones, secretary of the state code authority.

The code for this industry provides that all operators of for-hire equipment must register their vehicles, pay statutory assessments, supply information concerning their operations and display insignia on all vehicles, Mr. Jones said. State headquarters are at 1119 Balfour building, San Francisco.

Members of the Trucking Code Authority are Harold Frasher, chairman, Fresno; C. G. Anthony, vice-chairman, Los Angeles; Brynn W. Belyea, Los Angeles, Howard M. Lang, Los Angeles, B. F. Morris, Oakland; J. F Vizzard, San Francisco.

The code authority for California has set up machinery for registering approximately 40,000 vehicles. Fifty-two authoriezd registration agents have been established throughout the state for the convenience of the industry, Mr. Jones said. A fee of $3 per truck, trailer and semi-trailer will be assessed at time of registration to cover costs of administering the code.

Registration agents appointed for the San Francisco district are J. P. Gilmore, 420 Market Street, and Ed. Martin, 419 Rialto Building, and for the Oakland and East Bay District, Emmett H. Hart, 510 15th St., Oakland.

JOINT BID ON L. A. CEMENT

LOS ANGELES, Cal., June 4.—A joint bid of four Southern California manufacturers was the only proposal offered to the Metropolitan Water District here today for supplying 600,000 barrels of portland cement. The bid was $1.43 per barrel, f.o.b. cars at shipping point The bidders were: California Portland Cement Co., Monolith Portland Cement Co., Riverside Portland Cement Co., and Southwestern Portland Cement Company.

1937 EXPOSITION SITE SELECTED AT YERBA BUENA

Committee Recommends Shoai Fill; Cutler and McBean to Head Corporation

Leland W. Cutler, former president of the San Francisco Chamber of Commerce, and Atholl McBean, president of Gladding, McBean and Co., will head the group of businessmen organized to commemorate completion of the bay bridges with a World's Fair in 1937.

Mr. Cutler will be president of the fair corporation and Mr. McBean will be chairman of the board of directors. The two leaders were recommended by the executive committee of the bridge celebration founding committee, organized nearly a year ago to initiate the exposition plan. The committee has been disbanded and will deliver to the exposition corporation all affairs connected with the celebration.

Yerba Buena Island shoals has been chosen as the exposition site upon recommendation of a subcommittee headed by Chief Administrative Officer Alfred J. Cleary.

It was pointed out that the shoals are very shallow and can be prepared at virtually the same cost as other sites, and in addition, after the exposition is over, the area will be available for the airport which has been long proposed in the bay.

Final selection of the recommended site hinges upon a recommendation by the commandant of the Twelfth Naval district here, which has jurisdiction over the island proper, and approval by the navy department. Negotiations are now underway with naval authorities for permission to use the site.

Problems of transportation have been worked out preliminarily with satisfactory results, it was announced.

Yerba Buena Island shoals have less fog and more sunshine than any site available, the committee determined by a study of weather records for the past 50 years. The island is only 2.1 miles from the business center of San Francisco, and lies almost midway between San Francisco and Oakland—a fact which augnrs well for general patronage by the entire bay district, the committee stated. The foundation for the necessary fill lies from two to fourteen feet under water and can be readily reclaimed.

State Division Issues Official Map of Highways

The Division of Highways announces that the 1934 edition of the California road map has been published. This new map has been prepared under the direction of C. H. Purcell, State Highway Engineer.

The map conforms ot standards adopted by the Western Association of State Highway Officials. These standards for the preparation of State road maps control the size of the map, the colors, style of lettering and legends used, so that road maps published by all States which are members of the association are uniform in character.

The size of the map is 28 by 34 inches. It shows the entire State as a unit and is printed in four colors. The roads shown include the primary and secondary routes of the State Highway system and the principal county roads. Three different widths have been used in delineating the roads according to their classification as Federal Aid routes, United States highways, State roads or county roads.

All principal towns and cities are shown and the mileage between points is clearly indicated. The type of road surfacing is shown by color, red indicating a high type of improvement, yellow an intermediate type and black a low type.

One of the features of the map which makes it particularly valuable for touring purposes are the notations indicating the United States highways by number.

Printed on the reverse side are large scale maps of the chief metropolitan areas in California, showing the principal arterials and thru streets. These local maps show areas in the vicinity of Los Angeles, San Francisco Bay, San Diego, San Jose, San Bernardino, Sacramento, Stockton, Fresno and Bakersfield. There is also a small scale map of the eleven Western States with the United States nnmbered highways shown thereon.

Copies of this latest California road map may be secured from the Division of Documents, State Capitol Building, Sacramento, at a cost of thirty-five cents.

According to reports to the Department of Commerce, shipments of range boilers totaled 208,626 for the first four months of 1934, as compared with 155,009 for the same period of last year, 1933.

HARBOR MODELS TO BE STUDIED AT UNIVERSITY

Berkeley Engineering School Will Construct Test Basin For U. S.

The University of California has been selected as a center for model investigations of Pacific Coast river, beach and harbor problems by the United Statse War Department during the next five years, according to an announcement by Professor Baldwin M. Woods, chairman of the department of mechanical engineering.

Preparation for this work will involve the construction of a hydraulic model basin two feet deep and forty-two by seventy-five feet in area adjacent to an abandoned swimming pool on the College avenue boundary of the campus proper. The swimming pool will be used as a water reservoir and sump for the testing basin. It is planned to equip the new basin for tests on any problems involving the action of tides, waves, river flow, sand movement, and possibly wind, on navigable channels.

Cooperative Arrangement

Under a cooperative arrangement negotiated by Colonel Thomas M. Robbins, division engineer at San Francisco, the War Department will install the hydraulic basin and the University will maintain it. It will be primarily for the use of the War Department, but will be used for general research by students and faculty of the University when not required for Federal problems.

Lieutenant Bruce D. Lindlaub will represent the government and Associate Professor M. P. O'Brien will represent the University in cooperative investigations.

The first problem to be investigated which will also offer a check on the reliability of model studies, will be the improvement of the mouth of the Columbia river.

Tentative plans for this first investigation call for the building of a model of the Columbia river mouth on a horizontal scale of one to four thousand and a vertical scale of one to sixty-five. It will be the largest model of a tidal basin ever constructed in the United States.

Before starting harbor improvement investigations the reliability ot the model will be tested by attempting to duplicate the development of the Columbia river harbor during the past seventy-five years.

MAY BUILDING PERMITS IN S. F. TOTAL $613,417

School Reconstruction, Alterations Raise Volume; Residential Work at Minimum

San Francisco building permits augmented by city school repair contracts totaling $204,103, as well as an increase of nearly one hundred thousand dollars in alteration work showed a gain during May over April and also over the corresponding month a year ago. The comparative totals: May, 1934, permits, 501, value, $613,417; April, 1934, permits, 391, value, $496,321; May 1933, permits 459, value, $568,-312.

The complete absence of activity in the residential field continues to feature the monthly reports of local building however. There were but 16 permits issued in May for single-family dwellings, which comparies with 17 in the previous month and 61 in May of last year.

Alteration work accounted for 476 jobs in the past month, valued at $252,035, which exceeds the previous month's work of this type substantially, both in volume and value, but shows no gain over last year.

Contracts were let for reconstruction of three public school buildings totaling $204,103. Similar work in April totaled $100,223.

Following is a summary of building permit classifications in May of 1933 and 1934:

(A)	1	$ 3,000	1	$ 25,000
(B)	1	25,000	1	800
(C)	2	5,500	1	4,000
Frame Res.	16	40,300	61	229,105
Alterations	476	252,035	392	290,157
Public	3	204,103	2	14,500
Harbor	1	65,939	.....	.....
U. S. Govt.	1	17,540	1	4,750
Total	501	$613,417	459	$568,312

STRIKE DELAYS PILING DELIVERY

Progress on the foundations for Terminal Building E, being constructed by Schuler and McDonald for the Oakland Port Commission has been interrupted by the longshoremen's strike, according to the monthly report of Port Manager A. H. Abel.

Approximately half of the piles have been driven to date, Mr. Abel stated. The piles were to have been shipped by water from the northwest mills. Two hundred and thirty-six were loaded prior to the strike, the balance of 450 delivered to date were shipped by rail.

Los Angeles PWA Fund Is Reduced By $1,145,000

Public Works Administrator H. L. Ickes has announced that a loan and grant of $9,380,000 allotted to the Board of Education of Los Angeles for replacing or repairing 130 school buildings that were destroyed or damaged by earthquake has been reduced to $8,285,000.

The reduction was made at the request of the city, which has obtained a loan of $1,145,000 from the Reconstruction Finance Corporation. The R.F.C. loan was made to the Unified Rehabilitation Corporation, a non-profit corporation organized to borrow money from the government and reloan it for the repair of private or public property damaged by earthquake.

Small reductions in ten other previously awarded non-Federal allotments, together with increases in three, also were announced by Administrator Ickes. The net result of all these changes is to release $1,098,400 for reallotment to other projects that are on the waiting list.

BIDS OPENED ON FIRST S. F. PWA PROJECTS

Figures on Two Sewer Extension Contracts Within Estimates

Low bids on the first two city sewer extension contracts to be undertaken in the PWA-financed program were close to engineers' estimates which totaled $234,000.

Figures were received Wednesday by the Board of Public Works. Eaton and Smith at $155,250 were low bidders on the Fifteenth street extension, designated Section "C". Union Paving Co., at $88,330 were low for construction of the Third street sewer.

Complete total bids on each project follow. (Unit prices tabulation in Advance Report section):

Fifteenth Street Contract

Eaton and Smith	$155,250
MacDonald & Kahn	169,795
Union Paving Co.	176,539
Healy-Tibbitts Const. Co.	177,343
Barrett & Hilp	186,984
C. L. Harney	229,491

Third Street Contract

Union Paving Co	$ 88,330
C. C. W. & H. H Haun	93,787
MacDonald & Kahn	94,994

Material Prices Gain 14 Pct. In Year, U. S. Bureau Reports

(Table of current San Francisco building material price quotations on Page 2.)

The April index of building material prices, averaged as a group, is 14 percent above the index of April, 1933, according to the U. S. Bureau of Labor Statistics. In the month of April the price average rose three-tenths of one percent.

Increases were shown during April in the prices of brick and tile, lumber, paint and paint materials and miscellaneous materials, offsetting a sharp decline in cement. The price of cement, according to he index, was 89.7 percent of the 1926 price compared with 93.9 percent of the same base price in March.

Plumbing and heating materials showed the greatest advance in the month, the index standing at 76.2 for April, compared with 72.7 for March. In April, 1933, the same index was at 59.4.

Structural steel prices were unchanged.

INDEX NUMBERS OF BUILDING MATERIAL PRICES
(Compiled by U. S. Bureau of Labor Statistics (1926——100.0)

	April 1934	March 1934	April 1933	March 1933	Sept. 1933	April 1932
Building materials	86.7	86.4	70.2	70.3	82.7	72.5
Brick and tile	90.7	88.5	75.0	74.9	82.6	78.4
Cement	89.7	93.9	81.8	81.8	90.8	75.0
Lumber	87.2	86.4	57.9	57.8	82.0	60.0
Paint and paint materials	79.8	79.7	68.9	68.4	77.3	74.7
Plumbing and heating	76.2	72.7	59.4	59.4	74.7	64.4
Structural steel	86.8	86.8	81.7	81.7	82.4	81.7
Other building materials	90.4	89.9	77.9	78.4	85.9	80.2

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
281	Azzaro	Owner	1800
282	Owl	Dunn	7500
284	Regents U. C.	Jensen	30000
285	Allen	Young	1000
286	Stratton	Furness	2900
283	Lyons	Abrahams	4000
287	Puccini	Owner	2000
288	Green	Jacks	2800
289	Cooznesoff	Owner	2500

ALTERATION
(281) NO. 526 COLUMBUS AVE. Alter flower shop.
Owner—M. Azzaro, 500 Columbus Ave., San Francisco.
Architect—J. A. Porporato, 619 Washington St., S. F. $1800

ALTERATIONS
(282) SW EIGHTH AVE. AND CLEMENT St. Alter and remodel store
Owner—The Owl Drug Co., 657 Mission St., San Francisco.
Architect—Not Given.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., S. F. $7500

ALTERATIONS
(283) 460 BRYANT ST.; alter factory.
Owner—E. Lyons, 2545 16th Street.
Architect—A. L. Roller, Crocker Bldg.
Contractor — H. Abrahams, 50 Silliman St. $4000

ALTERATIONS
(284) KANSAS, 17th, Rhode Island, and Mariposa; alter shop and garage.
Owner—Regents of the University of California.
Architects — J. R. Miller and T. L. Pflueger, 580 Market Street.
Contractor — G. P. W. Jensen, 320 Market Street. $30,000

ALTERATIONS
(285) 415 JACKSON ST.; alter offices.
Owner—Allen & Co., 154 Sutter St.
Architect—Bertz, Winter and Maury, 681 Market Street.
Engineer—W. L. Huber, 1 Montgomery Street.
Contractor—Young & Horstmeyer, 461 Market Street. $1,000

DWELLING
(286) N TEDDY 50 W Rutland; one-story and basement frame dwelling.
Owner—W. H. Stratton, 218 Teddy.
Architect—Not Given.
Contractor — J. J. Furness, 854 47th Avenue. $2900

ALTERATIONS
(287) S GEARY ST. 50 E 23rd Ave.; alter market.
Owner—George Puccini, 17th Avenue and Geary St.
Architect—Not Given. $2000

REPAIRS
(288) 2567 GREEN ST.; repair fire damage to dwelling.
Owner—Dr. J. J. Green, 2567 Green.
Architect—Not Given.
Contractor—Jacks & Irvine, 74 New Montgomery Street. $2500

DWELLING
(289) E RHODE ISLAND 25 S 19th St.; 1-story and basement frame dwelling.
Owner—N. Cooznesoff.
Architect—G. A. Berger, 309 Valencia Street. $2500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
229	Madison	Owner	3000
230	Schumacher	Owner	1000
231	City	Parker	139881
232	Van Sicklen	Coburn	2000
233	Johnson	Owner	4700
234	Rose	Owner	5150
235	Hill	Owner	1750
236	Evans	Sorensen	1123
237	Philadelphia	Owner	4000

DWELLING
(229) NO. 925 KEELER ST., **BERKELEY.** One-story 5-room frame dwelling.
Owner—L. C. Madison, 1517 Le Roy Ave., Berkeley.
Architect—C. R. Madison. $3000

ALTERATIONS
(230) 6649 BECK ST., **OAKLAND.** Alterations.
Owner—E. A. Schumacher, 693 Santa Ray Ave., Oakland.
Architect—Not Given. $1000

TERMINAL BLDG.
(231) OUTER HARBOR TERMINAL, **OAKLAND.** Two-story concrete terminal building.
Owner—City of Oakland, Port of Oakland, Grove St. Pier.
Plans by Owner.
Contractor—K. E Parker, 135 South Park, San Francisco. $139,881

REPAIRS
(232) 364 FOURTH ST., **OAKLAND;** fire repairs.
Owner—H. D. Van Sicklen, 364 Fourth St., Oakland.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $2000

DWELLING
(233) 4004 OAKMORE ROAD, **OAKLAND;** 1-story 6-room dwelling.
Owner and Builder—O. W. Johnson, 4237 Atlas Ave., Oakland.
Architect—Not Given. $4700

DWELLING
(234) 1092 PARK LANE, **PIEDMONT;** dwelling.
Owner and Builder—M. A. Rose, 2448 Sacramento St., Oakland.
Architect—F. H. Slocombe, 131 Monte Cresta, Oakland. $5150

ADDITION
(235) 968 VERMONT ST., **OAKLAND;** addition to apartments.
Owner and Builder — F. P. Hill, 968 Vermont St., Oakland.
Architect—Not Given. $1750

ADDITIONS
(236) 161 VICENTE RD., **BERKELEY;** additions.
Owner—Mrs. Evans, 161 Vicente Rd., Berkeley.
Architect—Not Given.
Contractor — Walter Sorensen, 2940 Piedmont Ave., Berkeley. $1123.00

ERECT TANK
(237) 701 GRAYSON, **BERKELEY;** erecting a crystallized tank.
Owner and Contractor — Philadelphia Quartz Co., 701 Grayson, Berkeley
Architect—Not Given. $4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

60	Lyons	Abrahams	7695
61	Herrman	Martin	2437
62	Pacific	Symon	.....

(60) 460 BRYANT ST.; alterations & additions to 3-story and basement Class C structure.
Owner—Edmond Lyons and Ernest G. Raas, 2545 16th Street.
Architect—Not Given.
Contractor—H. Abrahams, 50 Silliman.
Filed, June 4, '34. Dated June 1, '34.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7695
Plans and specifications filed.

ALTERATIONS
(61) 300 FRONT ST.; alterations to warehouse.
Owner—Geo. Herrman Co., 300 Front.
Architect—Not Given.
Contractor—Wm. Martin, 666 Mission.
Filed June 5, '34. Dated May 21, '34.
After 15 days 25%
Upon completion 50%
Usual 35 days 25%
TOTAL COST, $2,435
Bond, $1220. Sureties, New Amsterdam Casualty Co. Plans and Specifications filed.

WRECKING
(62) 48 ST. ANNE; wrecking building.
Owner—Pacific Telephone & Telegraph Company.
Architect—Not Given.
Contractor—Symon Bros., 1435 Market Street.
Filed June 6, '34. Dated, May 23, '34. Payments and cost not given.
Bond, $1,000. Sureties, Pacific Indemnity Co. Limit, 16 working days.

ALAMEDA COUNTY

39	Herbold	Hopper	10000
40	Same	Aladdin	1647
41	Same	Matson	4000

ALTERATIONS
(39) NO. 4186 PIEDMONT. Alterations to Class C Theatre Building
Owner—E. L. Herbold.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Contractor—Alfred J. Hopper, 1769 Pleasant Valley Road, Piedmont.
Filed June 6, '34. Dated June 5, '34.
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, $10,000
Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

(40) HEATING AND VENTILATing on above.
Contractor — Aladdin Heating Corp., 5107 Broadway, Oakland.
Filed June 6, '34. Dated June 5, '34.
Payments same as above.....
TOTAL COST, $1647
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(41) ELECTRICAL WORK ON above.
Contractor—Matson-Seabrook Co., 4115 Broadway, Oakland.
Filed June 6, '34. Dated June 5, '34.
Payments same as above.....
TOTAL COST, $4000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

To Be Done By Day's Work
ADDITION Cost, $2000
OAKLAND, Alameda Co., Calif. 968 Vermont Street.
Owner—F. P. Hill, 968 Vermont St., Oakland.
Architect—Not Given.

2— BONDS

BIDS WANTED
LOS ANGELES, Cal.—Until June 25 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for sale of $100,000 of Beverly Hills School District bonds, interest not to exceed 5%.

BOND BIDS OPENED
SOUTH SAN FRANCISCO—Following bids received by South San Francisco High School District for the sale of bonds in the amount of $75-000. Funds are to finance construction of a one-story reinforced concrete high school annex in South San Francisco. E. L. Norberg, Architect.
Blythe & Co., Inc., 4½% straight, $511 ...premium.
Heller, Bruce & Co., 4½% straight, $10 premium.
Anglo-California National Bank, 4¾% on first $35,000 and 4¼% on remaining $40,000.
Dean Witter & Co., 5% on first $43,-000 and 4½% on remaining $32,000.

BONDS SOLD
PACIFIC GROVE, Monterey Co., Cal.—Bonds in the amount of $60,000 were sold to the Anglo California National Bank of San Francisco for a premium of $1,009.12. Funds are to finance construction of a municipal bathhouse on the McDougall property in Pacific Grove.

4 — FACTORIES & WAREHOUSES

Construction To Start Shortly
ADDITION Cost, $25,000
FRESNO, Fresno Co., Cal. 2310 Railroad Avenue.
Addition to present winery (building 92x44x176 ft., to contain sales offices and display room, fortifying room, new still, etc.) capacity of 300,000 gals.
Owner—G. Maselli & Sons, Inc., 2310 Railroad Ave., Fresno.
Architect—Not Given.

Contract Awarded
FACTORY Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. NE Alhambra Blvd. and Casita Way.
One-story brick and concrete pie factory((45x140 feet).
Owner—Channel Pie Co., 2566 C St., Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—H. W. Robertson, 2004 F St., Sacramento.

Contracts Awarded
WINERY AND OFFICES
Contract Price, $38,883
AMPERE, San Joaquin Co., Calif.
One-story winery (170x260 ft.) and 1-story frame office building (type of construction not determined), 750,000 gal. capacity.
Owner—Bear Creek Winery and Vineyard Assn. (L. K. Marshall, Gottfried Handel, Jos. Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Contractor—George Roek, 1724 West Cornell St., Stockton.
Electric — Electrci Equip. Co., Lodi, $2,561.
Office Building—Peter L. Hansen, Rt. 2, Box 103, Lodi, $2,580.
Plumbing—Lodi Plumbing Co., Lodi.
Following complete b'ds received:

General Work (Winery)

George Roek, Stockton	$38,883
L. S. Peletz, Stockton	41,000
J. B. Oswald, San Mateo	41,862
Villadsen Bros., S. F.	42,417
H. W. Robertson, Stockton	43,866

Office Building

P. L. Hansen, Lodi	$2,580
Villadsen Bros., S. F.	2,500
H. W. Robertson, Stockton	2,666
George Roek, Stockton	2,682
W. E. Wheeler, Stockton	3,097

Plumbing

E. G. Gnekow, Stockton	$3,106
Lodi Plumbing Co., Lodi	3,125
Jos. C. Black, Stockton	4,100

Electric Work

Electric Equip. Co., Lodi	$2,561
Eddy Electric Co., Stockton	2,600

Contract Awarded
FACTORY Cost, $279,000
WOBURN, Massachusetts.
One and two-story glue factory (brick walls, concrete floors).
Owner—New England Chemical Industry (Pacific Bone, Coal & Fertilizer Co.) 500 Fifth Ave., New York.
Engineer—Ellison and Russell, Pacific Bldg., San Francisco.
Contractor—Austin Company of Cleveland, Cleveland, Ohio.

Additional Sub-Contracts Awarded.
COTTON COMPRESS
Contract Price, $239,861
STOCKTON, San Joaquin Co., Cal. Stockton Waterfront.
One-story cotton compress (760x300) brick division walls, galvanized iron siding, composition roof, concrete floors on earth fill, reinforced concrete platform, three-story tower.
Owner—City of Stockton (Port Commission), City Hall, Stockaon.
Plans by Engineering Dept. of Owner, (Col. B. C. Allin, Port Director).
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Contract awarded on work complete omitting Unit "E").
Piling — P. Sinnock, 147 W. Scotts Ave., Stockton.
Concrete—J. A. Silver, 1121 Carlton, Ave., Stockton.
Reinforcing Steel — F. A. Klinger, West's Land, Stockton.
Brick Work — Dick Williams, Hotel Bronz, Stockton.
Sheet Metal—Miller-Hays Co., Grant and Weber Sts., Stockton.
Glazing—W. P. Fuller & Co., 218 S. Aurora St., Stockton.
As previously reported:
Excavation & Roads—R. E. McCarthy, 603 Eastworth St., Stockton.
Pumping System—Sterling Pump Co., 646 S. California St., Stockton.
Railroad Construction—Willard & Biasotti, 40 W. Clay St., Stockton.
Roofing—Stockton Roofing Co., 736 N. Hunter St., Stockton.
Mill Work — Electric Planing Mill, Hazelton and Monroe Sts., Stockton.
Painting—J. F. Garrow, 51 E. Noble St., Stockton.
Water System—F. W. Snook, 596 Clay St., San Francisco.
Cotton Compress Machinery—Robt. S. Webb, Minden, Louisiana.
Boiler Room Equipment—F. W. Snook Co., 596 Clay St., San Francisco.
Plumbing—Miller Hayes Co., 742 East Miner St., Stockton.
Sprinkler System—Grinnell Co. of the Pacific, 601 Brannan Street, San Francisco.
Electric Wiring and Fixtures—C. J. Franke, 748 E. Weber Ave., Stockton.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

FIRE LOSS
ISLETON, Sacramento Co., Cal.—Golden State Cannery was destroyed by fire May 29. Damage estimated at $200,000.

Plans Being Figured
SHED Cost$——
SAN FRANCISCO, Calif., Fourth and Channel Streets.
One-story frame shed (80x176 feet).
Owner — Southern Pacific Company, 65 Market Street, San Francisco.
Architect—Plans by Engineering Department of owner.

BIDS OPEND
OAKLAND, Alameda Co., Cal.—Albertson McCormick Sprinkler Co., 865 Mission St., San Francisco, at $2801 (Item A) and $12,841 (Item B) submitted low bid to City of Oakland Port Commission, for an automatic sprinkler system and fire hose piping in Terminal Building "E" Outer Harbor Terminal, Oakland. Following bids received:
(A) Installation of 10-in. underground line, valves and valve boxes.
(B) Installation of system, sprinkler lines, heads, piping, etc.

Albertson McCormick Sprinkler Co., S. F.	(A)	$ 2,801
	(B)	12,841
Grinnell Co. of the Pacific	(A)	2,895
	(B)	13,165
Viking Automatic Sprinkler Co., San Francisco	(A)	3,098
	(B)	13,207
Rockwood Sprinkler Co., San Francisco	(A)	3,180
	(B)	13,300

Bids held under advisement.

June 6, 1934

Planned
WINERY Cost, $——
HEALDSBPRG, Sonoma Co., Calif.
Construct co-operative winery.
Owner—Group of wine merchants (W. W. Walters, Healdsburg in charge)
Architect—Not Selected.

6—GARAGES & SERVICE STATIONS

CONTRACT AWARDED

SAN FRANCISCO.—Thos. M. Jones, 643 29th Ave., at $2,043.90 awarded contract by Veterans' Administration, Fort Miley, for the construction of one personnel garage of four stalls at Fort Miley.

Sub-Contracts Awarded

SERVICE STATION Cost, $3000
SAN FRANCISCO. Gore Valencia & Mission Streets.
One-story steel service station.
Owner—F. M. Rowels, Valencia and Market Streets.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison Street.
Steel Building—Michel & Pfeger Iron Works, Harrison and 10th Sts.
Pumps. Etc. — Claude Vierhus, 1463 24th Avenue.

7—FEDERAL BUILDING

BID OPENING DATE POSTPONED

LIVERMORE, Alameda Co., Cal.—Until June 20, 2:30 P. M., (rate postponed from June 12), bids will be received by Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., for re-surfacing mastic floor of heliotherapy deck, Building No. 2, Veterans Administration Facility, Livermore. Specifications available from above office.

BIDS WANTED

OROVILLE, Wash.—Until Friday, June 29, bids will be received by the Custodian, United States Inspection Station, Oroville, Wash., for flood lights and an illuminated sign to be installed at the station.

BIDS WANTED

OROVILLE, Wash.—Until 2 P. M., June 26, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster in the United States inspection station at Oroville, Wash. Specifications may be obtained from the department in Washington or from the custodian of the building at Oroville.

LOW BIDDER

DOUGLAS, Ariz.—Taylor & Son, Douglas, Ariz., submitted low bid to Treasury Department, at $1997, for painting plaster in the United States inspection station, including public health unit, at Douglas, Ariz.

BIDS WANTED

ALBROOK FIELD, Canal Zone—Until June 25, 10 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for the construction of a quartermaster Maintenance Building, paint house and dope house at Albrook Field, Canal Zone. Plans and specifications available from above office upon deposit of $10. Bids are also being opened by Army Dept. Construction Division, Washington, D. C., on the same date.

FUNDS ALLOTTED

ALASKA—U. S. Department of Justice has been allotted $14,500 for repairing and reconditioning jails at the following points in Alaska Kanakanak, Unalaska, Anchorage, Seward and Valdez.

CONTRACT AWARDED

RENO, Nevada—Penn Metal Co., awarded contract by Treasury Department, Division of Supply, at $1366.58, for metal shelving to be installed in the Reno, Nevada, Post Office.

CONTRACT AWARDED

SACRAMENTO, Cal.—Interior Steel Equipment Co., awarded contract by Treasury Department, Division of Supply, at $664.81, for metal shelving to be installed in the Sacramento Post Office.

NO BID RECEIVED

SAN FRANCISCO.—No bids were received by the Constructing Quartermaster, Fort Mason, for the construction of two company officers' quarters and utilities for the Second Field Artillery at Fort Clayton, Canal Zone. Estimated cost, $36,000.

BIDS OPENED

YUMA, Arizona—Following bids received by Purchasing Agent, Post Office Department, Washington, D. C., for 68 Venetian blinds for the U. S. Post Office, Yuma, Arizona. Proposal No. 1439:

(1) wood slat shades, glare free type; (2) ordinary type; (3) Venetian blinds; (4) pleated cloth shades:

Aeros Shade Co., Waukesha Wisc.	(1)	$570.00
	(2)	322.00
Rolscreen Co., Uhiladelphia, Pa.	(3)	489.94
Sherwood Curtain Co., New York City	(3)	347.80
Higgins Mfg. Co.	(3)	482.32
Higgins Mfg. Co., Newport, Kentucky	(3)	560.00
Athey Co., Chicago	(3)	560.00
Schatz Venetian Blind Co.	(3)	500.42
Acme Screen Co., Dallas, Texas	(3)	477.42
Raymond Porch Shade Co.	(2)	415.48
	(3)	514.17
Hough Shade Corp.	(2)	392.08
	(3)	484.17
Bostwick Godell Co.	(3)	477.40
Yardley Screen & Weather-strip Co.	(3)	477.40
Kane Mfg. Co.	(3)	506.78
Watson Mfg. Co.	(3)	477.40
McRae Green Mfg. Co.	(3)	482.31
Warren Shade Co.	(3)	1324.70
J. G. Wilson Corp.	(3)	520.00

BIDS WANTED

MONTEREY, Monterey Co., Calif.—Until June 22, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. post office at Monterey. Specifications may be obtained from above office or from the Custodian of the Building, Monterey.

CONTRACT AWARDED

SAN FRANCISCO—Oscar Aaron, 243 Sixth St., San Francisco, at $6350 awarded contract by Constructing Quartermaster, Fort Mason, for the steam heating system at Fort Mason.

BIDS WANTED

OAKLAND, Calif. — Until 2 P. M., June 22, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the U. S. post office at Oakland. Specifications may be obtained from the supervising architect in Washington or from the custodian of the building in Oakland.

LOW BIDDER

ALAMEDA, Cal.—Patterson Bros., 573 Santa Rosa Ave., Berkeley, at $518 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster in the U. S. Post Office in Alameda. Complete bids will be published shortly.

CONTRACT AWARDED

CHICO, Butte Co., Cal.—Nick Hemminga, 627 38th Ave., San Francisco, awarded contract by Treasury Department at $685, for the construction of two entrance vestibules at the U. S. post office in Chico.

BIDS WANTED

BOISE, Idaho.—Until June 26, 2:30 P. M., bids will be received by Veterans Administration, Room 764, Arlington Bldg., Washington, D. C., for extension of steam distribution system at the Veterans' Administration Facility at Boise. Specifications are available from above office.

FUNDS ALLOTTED

ALASKA. — Department of Commerce has allotted $92,000 for rebuilding the Five Finger Light Station in Alaska which was destroyed by fire Dec. 9, 1933.

BIDS WANTED

PORT TOWNSEND, Wash.—Until June 18th, bids will be received by Custodian, U. S. Post Office, Port Townsend, for exterior painting, pointing stone work, etc., at the Post Office, Port Townsend, Wash.

BIDS OPENED

SAN FRANCISCO, Calif. — M. J. King, 666 Mission Street, at $394, submitted low bid to Veterans Administration, Fort Miley, San Francisco, for stuccoing exterior wood of garage building A-68, at Fort Miley. Following bids received:

M. J. King	$394
Z. Peterson	459
John Shimmon	575
A. Knowles	587
Wm. Bewick	591
W. E. Gilfman Co.	618
Herman Bosch	740

COMPLETE BID LISTING

ALAMEDA, Alameda Co., Cal.—As previously reported Patterson Bros., 573 Santa Rosa Ave., Berkeley, at $518 submitted low bid to Treasury Department for painting the plaster, etc., in the U. S. post office at Alameda. Following bids received:

Patterson Bros., Berkeley	$ 518
L. Roden Co., Alameda	530
Geo. Ames, Burlingame	541
D. Zelinsky & Son, S. F.	549
Cramer Bros., S. F.	560
Neuman Brothers, McMinnville, Oregon	689
Lee Dixon Co., San Francisco	768
Gill-Mann Co., San Francisco	878
A. Van Hwerden, Oakland	1,023

BIDS OPENED

LOS ANGELES, Cal.—D. O. Brundell, Gardenia, at $3,359 submitted low bid to Veterans' Administration, Fort Miley, for the construction of one animal house at the Veterans' Administration Facility, Los Angeles.

Work includes concrete work, hollow building tile, lathing and plastering, roofing, sheet metal, carpentry, glazing, hardware, insect screens, painting, electrical work, plumbing, woven wire fence and gates.

Following bids received:

D. O. Brundell, Gardenia	$3,359
A. H. Arend, Los Angeles	3,814
Chas. J. Dorfman, L. A.	4,089
Winter Const. Co., Inc., L. A.	4,100
Willard Lutz, L. A.	4,100
W. E. Allen, Long Beach	4,117
Contr. Engrs., Inc., L. A.	4,446
Arthur Pinner, Jr., L. A.	4,469
New England Mason Contractors Los Angeles	4,515
V. J. & Carol Nordquist, L. A.	5,529
L. A. Contracting Co., L. A.	5,900

Bids held under advisement.

LOW BIDDERS

LOS ANGELES, Cal.—Winter Construction Co., 2404 W. 7th St., Loa Angeles, at $22,470 submitted low bid to Veterans' Administration, Washington, D. C., for construction of alterations to connecting corridors at the Wadsworth Hospital, Veterans' Administration Facility at Los Angeles. Work includes excavation Work, reinforced concrete, hollow tile,

brick work, cast stone, tile, sheet metal, metal lathing, stucco, carpentry, insect screens, painting, glazing, electrical work and connections to electric distribution system.

Second low bid was submitted by Willard Lutz, Los Angeles, at $25,000. Complete bids will be published shortly.

LOW BIDDER

STOCKTON, San Joaquin Co., Cal. —Walter E. Zerwick, 517 E. Channel St., Stockton, at $170 submitted low bid to Treasury Department, Public Works Branch, Washington, D. C., for insect screens in the U. S. Post Office, Stockton.

BIDS WANTED

OAKLAND, Calif.—Until June 22, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public W'ks Branch, Washington, D. C., for painting the plaster, etc., in the U. S. post office, customhouse, etc., at Oakland. Specifications may be obtained from above office and from the custodian of the building.

8— CLUB BUILDINGS

PLANNED

MEXICALI, Mexico—A. B. W. Club building in Mexicali, which was practically destroyed by fire last week, will be rebuilt on a larger scale according to Mike Miller and Joe Flores Co-managers of the establishment. The existing steel frame will probably be used and the exterior walls will be finished with gunite. Cost, $40,000.

9— HOSPITALS

Plans Being Figured—Bids Close June 18, 10 A. M.

WOMEN'S BLDG. Cost, $40,000
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement reinforced concrete addition to women's dormitory at County Hospital.
Owner—County of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Plans and specifications on file in the office of the Clerk of the Board and may be obtained from Architect Harry Devine upon deposit of $25.

This project is financed in part by PWA funds and contractors are subject to PWA regulations.

10— HOTELS

Lumber Contract Awarded.

REPAIR HOTEL Cost, $50,000
SAN FRANCISCO, Geary and Powell Streets.
Repair fire damage to Italian room in St. Francis Hotel.
Owner—Crocker Hotel Co., Geary and Powell Streets.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Lumber—McCallum Lumber Co., 748 Bryant St., San Francisco.

Sub-Contracts Awarded

ALTER HOTEL Cost, $——
MANTECA, San Joaquin Co., Calif. Sycamore Avenue.
Alterations to Palace Hotel (new front and side, steel and stucco construction, new equipemnt, etc.)
Owner—L. M. Phariss.
Architect—Not Given.
Contractor—W. J. Scott, 1661 W. Poplar St., Stockton.
Plumbing—Manteca Plb. Co., Manteca
Electric Wiring—Electric Supply Co., Manteca.
Mill Work—Diamond Match Co., Manteca.
Structural Steel—G. Shafer, Stockton.
Roofing—Noble Brown, Stockton.
Sheet Metal—Manteca Plb. Co., Manteca.
Plastering—J. C. Anderson, Manteca.
Tile Work—Fischer Tile Co., Stockton
Glass and Glazing—W. P. Fuller & Co., Stockton.
Lumber—Diamond Match Co., Manteca.
Hardware—Austin Bros., Stockton.

PREPARING PLANS

TUCSON, Ariz. — Architect Roy Place, 11 E. Pennington St., Tucson, is preparing plans for a new hotel to be erected on the site of the old Congress Hotel, East Gongress St., Tucson, for the Congress Realty Co.; Leo Goldsmith, president. The building will be equipped with an air cooling system. Construction will probably be started this summer.

Contract Awarded

HOTEL Cost, $20,000
TAHOE CITY, Tahoe Co., Calif.
Two-story wood and log siding hotel (30 rooms) 40x124 ft., shingle roof.
Owner—Carl Becholdt, Tahoe City.
Architect—W. E. Coffman, Forum Bldg., Sacramento.
Contractor—Jack Wolert, P. O. Box F, Truckee.
New building will replace structure recently destroyed by fire.

11—ICE AND COLD STORAGE PLANTS

CONTRACT AWARDED

BREMERTON, Wash. — York Ice Machinery Co., Seattle, awarded contract by Bureau of Yards and Docks at $5265 (items 1 and 2) for installing a refrigerating and ice manufacturing plant at Bremerton Navy Yard. Specification 7673.

CONTRACT AWARDED

SEATTLE, Wash. — York Ice Machinery Co., 4660 Marginal Way, Seattle, at $5,265 awarded contract by Bureau of Yards and Docks, Navy Dept., Washington, D. C., for refrigeration plant at Puget Sound.

Refrigeration Bids Being Taken.

REFRIGERATION SYSTEM $3000
SANTA CRUZ, Santa Cruz Co., Cal. Municipal Wharf.
Construction of new refrigeration system and ice box on Municipal Wharf.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—Not Given.
Refrigeration bids are being received by the owner.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Planned

LIBRARY Cost, $——
VALLEJO, Solano Co., Cal. Amador and El Camino Real.
Construct new branch county library.
Owner—City of Vallejo.
Architect—Not Given.
Following have been appointed as a committee to gather data for plans, etc.: E. C. Gill, chairman; E. J. Eland Lt. Brown, U.S.N., B. C. Whitley and E. Telcheira.

Prospective Bidders

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000, stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Bids are being taken for a general contract with separate bids for plumbing and sprinkler system, electrical work and for mechanical equipment.
Following have procured plans:

General Work

Barrett & Hilp, 918 Harrison Street, San Francisco.
Lindgren & Swinerton, 225 Bush St. San Francisco.
MacDonald & Kahn, Financial Center Bldg., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.
W. J. Ochs, Ameriran Trust Bldg., San Jose.
Chas. Thomas, 127 Clayton Ave., San Jose.

Mechanical Equipment

A. J. Peters, 455 Washington Street, San Jose.

Plumbing and Sprinkler System

A. J. Peters, 455 Washington Street, San Jose.

Plans and specifications available from the architects upon deposit of $45.00 for general plans and $20.00 for other portions of the work.

Bids will be received by the City Council up to 5 P. M., June 25, and opened at 8 P. M.

This project is financed in part by PWA funds and contractors are subject to PWA regulations.

14— RESIDENCES

Being Done By Day's Work

COTTAGES Cost, $20,000
SUNNYVALE, Santa Clara Co., Cal. North Fairoaks Avenue.
Twenty frame cottages (12x20 feet) each cottage to house 4, kitchenette, sink, shower, etc.
Architect—Not Given.

Contract Awarded.

RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Cal. The Uplands.
Two-story and basement frame and stucco residence (10 rooms and 6 baths), tile roof, hardwood floors, colored tile baths, etc.), reinforced concrete bridge over creek in connection with residence, 45 feet long.
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 369 Pine St., San Francisco.
Construction will start immediately.

Sub-Contracts Awarded.

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4016 Oakmore Road.
Two-story and basement frame and stucco residence (6 rooms).
Owner—Mr. Parker, 4350 Bridgeview Drive, Oakland.
Architect—Not Given.
Contractor—A. H. Monez, 4350 Bridgeview Drive, Oakland.
Brick—W. H. Wisheropp, 3749 Quigley St., Oakland.
Shingle Roof—J. O. Arnett, 2535 Filbert St., Oakland.

Sub-Contracts Awarded.

RESIDENCE Cost, $9000
OAKLAND, Alameda Co., Cal. No. 6031 Ascot Drive.
Two-story and basement frame and stucco residence (7 rooms).
Owner — E. T. Deasy, 1450 Sherwin Ave., Oakland.
Contractor—J. W. Monroe, 5538 Claremont Ave., Oakland.
Lumber and Millwork — Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Plumbing—Ambrose Bros., 206 Chemallia St., San Leandro.

Plastering—Herman Thorndyke, 2450 E-12th St., Oakland.
Brick—W. H. Wisheropp, 3749 Quigley St., Oakland.
Hardware — Maxwell Hardware Co., 1320 Washington St., Oakland.
Sheet Metal—M. C. Henry, 1183 53rd St., Oakland.
Roofing—W. L. Saxby, 4538 Fleming St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Fruitvale Ave., Facing Hoover St.
Two-story frame and stucco residence (7 rooms).
Owner and Builder—A. H. Monez, 5538 Claremont Ave., Oakland.
Architect—Not Given.

Sub-Contracts Awarded
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. 1871 San Antonio Street.
One-story frame and stucco residence (four rooms).
Owner—Mrs. Anna F. Dunn.
Architect—Gwynn Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland.
Electric—Berkeley Electrical Co., Inc. 1987 Shattuck Ave., Berkeley.
Plumbing—Henry F. Lass, 5300 Cole St., Oakland.
Lumber—Bay City Lumber Co., 48th Ave. and E. 12th St., Oakland.
Concrete — J. H. Fitzmaurice, 2859 Hannah St., Oakland.
Painting—A. G. Leidsen, 1336 E. 31st St., Oakland.
Brick—Geo. Addison, 2939 Minna Ave. Oakland.

Sub-Contracts Awarded
ALTERATIONS Cost, $7405
BERKELEY, Alameda Co., Cal. 2625 Hearst Avenue.
Alterations and additions to fraternity house.
Owner—California Gamma Phi Kappa Psi House Assn., premises.
Architect—Harris C. Allen, 557 Market St., San Francisco.
Contractor—Harold L. Paige, 565 Oak Grove Ave., Oakland.
Lumber—Scammell Lumber Co., foot of 9th Ave., Oakland.
Mill Work—Lannom Bros., Fifth and Magnolia Sts., Oakland.
Plumbing—Jevons Plbg. & Htg. Co., 1514 University Ave., Berkeley.
Electric—Scott - Buttner Electric Co., 23rd and Webster Sts., Oakland.
Sheet Metal—Bertel Mork, 1606 10th St., Berkeley.
Steam Heating—Scott Co., 113 Tenth St., Oakland.
Wallboard—Strable Hardwood Co., 537 First St., Oakland.
Cement—Schnoor Bros., 6016 Claremont Ave., Oakland.
Excavating—J. H. Harris, 2208 Roosevelt Ave., Berkeley.

Additional Sub-Contracts Awarded
RESIDENCE Cost, 6500
OAKLAND, Alameda Co., Cal. Leimert Boulevard.
Two - story and basement frame and stucco residence (8 rooms and 3 baths) tile roof, tiled baths, gas heating system, hardwood floors.
Owner & Builder—Geo. Schmidt, 2543 21st Ave., Oakland.
Architect—Irwin M. Johnson, 2215 7th Ave., Oakland.
Plumbing—Ambrose Bros., 206 Chumalla, San Leandro.
Heating—Aarvaks Heating Appliance Co., 2313 Valley St., Berkeley.
Lumber—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Brick—W. H. Wisheropp, 3749 Quigley, Oakland.

Contract Awarded
REPAIR RESIDENCE Cost, $3000
SAN FRANCISCO, 2567 Green Street.
Repair fire damage to residence.
Owner—Dr. J. J. Green, 2567 Green St.
Architect—Not Given.
Contractor—Jacks and Irvine, 74 New Montgomery Street.

Sub-Contracts Awarded
RESIDENCE Cost, $8800
VALLEJO, Solano Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors and trim, tile work, tiled baths, wainscot.
Owner—Dr. C. Snoody, 820 Capitol St. Vallejo.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Plastering—Mark Fuller, General Delivery, Vallejo.
Steel Sash—Gleason Steel Prod. Co., 63rd and Doyle, Emeryville.
Other awards previously reported.

To Be Done By Day's Work
RESIDENCE Cost, $3000
SAN FRANCISCO. E. Rhode Island 25 S. 19th Street.
One - story and basement frame and stucco residence.
Owner—U. Cooznesoff.
Architect—G. A. Berger, 309 Valencia.

Preparing Working Drawings.
RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park
Two-story and basement frame and shakes residence (10 rooms and 3 baths), slate roof, colored tile baths, gas heating system, etc., Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Bids will be asked in three or four weeks.

Plans Being Figured — Bids Close June 13.
RESIDENCE Cost, $——
MARIN COUNTY, Cal.
Two-story and basement frame and stucco residence (12 rooms and 4 baths); tile roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—Mr. Adams.
Architect—A. J. Evers, 525 Market St., San Francisco.
Clinton Stephenson Constr. Co., 57[illegible] Montgomery St., San Francisco, is figuring the plans and desires subbids on all portions of the work.

Contract Awarded
RESIDENCE Cost, $3000
SAN FRANCISCO. N Teddy St. 50 W. Rutland.
One - story and basement frame and stucco residence.
Owner—W. H. Stratton, 218 Teddy.
Architect—Not Given.
Contractor — J. J. Furness, 854 47th Avenue.

PLANNED
TUCSON, Ariz. — G. Graham Bell, Tucson, contemplates erecting a residence in the Santa Catalina foothills, near Tucson. Cost, $25,000.

Plans Being Completed.
RESIDENCES Cost, $2250 each
HEALDSBURG, Sonoma Co., Cal.
Three four-room frame and stucco residences (composition roof, gas heating system, tile floor in bath, hardwood floors, etc.)
Owner—Ben Ratner, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in two weeks.

Plans Being Completed
RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Calif.
One - story and basement frame and stucco residence (5 rooms) tile roof, hot air heating system, hardwood floor, tile bath, etc.
Owner—L. S. Sayre, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
Two-story frame and stucco residence (6 rooms, 2 baths) tiled baths, gas heating system, hardwood floors, etc.; Brittany type.
Owner—Mason-McDuffy Co., 2101 Addison St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Lumber—Smith Lumber Co., foot of 19th Ave., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two-story frame and stucco residence (6 rooms, 2 baths) English Provincial type, tiled baths, hot air heating system, hardwood floors, etc.
Owner—F. H. Dobbins, 1655 Euclid Ave., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Lumber—Smith Lumber Co., foot of 19th Ave., Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $4000
PIEDMONT, Alameda Co., Cal. Pines Tract.
One-story and basement frame and stucco residence (5 rooms), English type.
Owner—Wesley C. Hayward.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland.
Plumbing—James F. Hayes, 1126 Bella Vista Ave., Oakland.
Sheet Metal—California Furnace Co., 4801 E-14th St., Oakland.
As previously reported, lumber was awarded Smith Lumber Co. of Oakland, Foot of Ninth Ave.; electric to Kerr & Clifford, 3525 E-14th Street, Oakland; steel sash &doors to Western Door & Sash Co., Fifth and Cypress Sts., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $7500
SAN MATEO, San Mateo Co., Cal. No. 330 Franklin Street.
Two-story frame and stucco residence
Owner and Builder—Graham Smith, 110 W-Third Ave., San Mateo.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.
Mill Work and Lumber—Clinton Mill & Lumber Co., 701 4th St., Oakland.
Plumbing—Henry F. Lass, 5300 Cole St., Oakland.
Electric—Kerr & Clifford, 3525 E-14th St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $——
LAFAYETTE, Contra Costa Co., Cal. Happy Valley Road.
Two-story frame and stucco residence ((7 rooms).
Owner—L. L. Grummow.
Architect—Not Given.
Contractor — Wallace Peterson, 7017 Weld St., Oakland.
Sub-bids are being taken on grading, hardwood flooring, painting, concrete and tile work.

Sub-Contracts Awarded.
RESIDENCE Cost, $6500
CENTERVILLE, Alameda Co., Cal.
One-story and basemena frame and stucco residence (5 rooms), California Colonial style.
Owner—Manuel Santos, Centerville.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Lumber and Millwork—California Mill & Lumber Co., 1829 Webster St., Alameda.
Roofing—M. & S. Tile Co., Decoto.
Plastering—Emil Eichner, 1521 Harmon St., Berkeley.
Concrete — Gus Johnson, 3857 Vale Ave., Oakland.

Sub-Contracts Awarded.
ALTERATIONS Cost, $11,000
OAKLAND, Alameda Co., Cal. Claremont Pines.
Alterations and additions to two-story frame and stucco residence.
Owner—Frank Atkins, Campus Theater, Berkeley
Architect—Newsom & Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Brick—A. B. McMurtry, 6326 Broadway Terrace, Oakland.
Millwork—Lannom Bros., Fifth and Magnolia Sts., Oakland.
Stair Work—Dillbrinck, San Francisco.
Tile Roofing — Western Roofing Co., Inc., 24th and Poplar Sts., Oakland.
Heating—Aladdin Heating Corp., 5107 Broadway, Oakland.
Other awards previously reported.

Preparing Plans—Contract Awarded.
RESIDENCE Cost, $4200
MARIN COUNTY, Cal.
One-story frame residence (4 rooms) redwood siding, shake roof, steel sash, hardwood floors, linoleum in bath, etc.
Owner—Withheld.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Plans Being Prepared—Contract Awarded.
RESIDENCE Cost, $6700
SAN CARLOS, San Mateo Co., Cal. Brittain Acres.
One-story frame and stucco residence 5 rooms and 1 bath), English Normandy type; shingle roof, gas furnace, hardwood floors, tile bath etc.
Owner—Brittain Acres Corp.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Contractor — John W. Rutherdale, Phelps Road, San Carlos.

Preparing Plans—Contract Awarded.
RESIDENCE Cost, $——
SAN CARLOS, San Mateo Co., Cal. Brittain Acres.
One-story and basement frame and stucco residence (6 rooms and 2 baths); Mexican Adobe Type; tile roof, gas furnace, tiled baths, hardwood floors, etc.
Owner—Brittain Acres Corp.
Architect—Mario Corbett, 683 Sutter St., San Francisco.
Contractor — John W. Rutherdale, Phelps Road, San Carlos.

Plans Completed.
RESIDENCES Cost, $2400 each
SAN CARLOS, San Mateo Co., Cal. Brittain Tract.
Three one-story frame residences (4 rooms each) rustic type, interior plaster, pine floors, shingle roof, open fire place, tile floors in bath, etc.
Owner and Builder—Consolidated Development Co., 544 Market St., San Francisco.
Architect—Mario Corbett, 683 Sutter St., San Francisco.

Contract Awarded
RESIDENCE Cost, $3500
MONTE RIO, Sonoma Co., Calif.
One-story wood frame residence (five rooms) composition shingle roof, pine floors, linoleum floors in bath.
Owner—Withheld.
Plans by Ray Keefer, 770 Wesley St., Oakland.
Contractor—Harvey H. Chinnock, Rt. 3, Box 553, Sebastopol.

Contract Awarded
RESIDENCE Cost, $4,000
REDWOOD CITY, San Mateo Co. Cal. 139 Adams Street.
One - story and basement frame and stucco residence (five rooms).
Owner—W. A. Hepler.
Architect—Not Given.
Contractor — H. H. MacDonald, 1400 San Carlos Ave., San Carlos.

Contract Awarded
ALTERATIONS Contract Price, $1086
BERKELEY, Alameda Co., Calif. 171 Vicente Road.
Alterations and additions to residence (add porches, terrace walls, etc.)
Owner—A. T. Evans.
Plans by Hertzka and Knowles, 982 Bryant St., San Francisco.
Contractor — Walter Sorensen, 2940 Piedmont Ave., Oakland.
Following bids received:
Walter Sorensen $1,086
S. O. MacDonald & Son 1,236
Frank Appelbe 1,291
Painting not included in contract. Bids will be asked at a later date.

Sub-Contracts Awarded
ALTERATIONS, ETC. Cost, $8231
SAN FRANCISCO. 828 Camino Del Mar.
Alterations and additions to a frame residence (add one story, etc.)
Owner—A. J. Howell, % architect.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks and Irvine, 74 New Montgomery Street.
Patent Flues — Lowell Davison, 375 Monterey Blvd.
Hardwood Floors — Royal Floor Co., 7th and Brannan Streets.
Mill Work — Anderson Bros. Planing Mill, Quint and Custer Streets.
Glass and Glazing—Crowe Glass, 675 Golden Gate Avenue.
As previously reported, roofing contract awarded to Alta Roofing Co., 976 Indiana St.; sheet metal to Lowell Davison, 375 Monterey Blvd.

To Be Done By Day's Work
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 4004 Oakmore Road.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—O. W. Johnson, 4237 Atlas Ave., Oakland.
Architect—Not Given.

PLANNED
TUCSON, Arizona—J. H. Bradley, Tucson, has purchased a tract of land in the Santa Catalina foothills, near Tucson, as the site for a residence. Cost, $30,000.

PREPARING PLANS
TUCSON, Ariz. — Architect Grosvenor Atterbury, 139 E. 53rd St., New York City, is preparing plans for a large residence to be erected on Wilmot Road, Tucson, for Miss Florence L. Ponds, who has lived at the Desert Sanatorium for several winters.

15— SCHOOLS

Plans Completed.
SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect—G. P. Simonds, Hayward.

Bonds Voted.
SCHOOL Cost, $15,000
FORESTVILLE, Sonoma Co., Cal.
One-story frame and stucco grammar school (3 classrooms and auditorium to seat 200, kitchen, etc.) tile roof, etc.
Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bonds in the amount of $6000 were voted to assist in financing construction of the school. Bids will be asked shortly.

Bond Election
REPAIR SCHOOL Cost, $20,000
CARMEL, Monterey Co., Calif.
Repairs and reconstruction of school building (work includes reinforcing, conc. work, structural steel and carpentry).
Ower—Sunset School Dist., Carmel.
Engineer—Erle L. Cope, 111 Sutter St. San Francisco.
An election will be held on June 26 when bonds in the amount of $20,000 will be voted to finance construction.

BIDS WANTED
ARTESIA, Los Angeles Co., Cal.—Until 7:30 P. M., June 18, bdis will be received by the Artesia School District for altering and remodeling the existing center and south units of the Artesia school, located at Pioneer Blvd. and 14th St., Artesia. Cashier's or certified check, drawn to the order of W. F. Elliott, clerk of the board of trustees, must accompany each bid. Plans and specifications may be obtained from the architects, Train & Cressey, 226 Western Mutual Life Bldg., Los Angeles. Work will consist of interior changes and remodeling of coat rooms, toilet rooms, clinic, office and teachers' rooms; sash partitions, wardrobes, marble and tile repairs, toilet, urinal and lavatory fixtures, cement steps, wiring alterations and painting repairs.

BIDS WANTED
HUNTINGTON PARK, Calif.—Until 11:30 A. M. June 18, bids will be received by the Los Angeels board of education for reconstruction, rehabilitation and strengthening of the State Street school, located on the northwest corner of State and Santa Ana Streets, Huntington Park. Plans and specifications may be obtained at the office of the architectural division of the board, 1425 San Pedro St., upon deposit of $25. Certified or cashier's check for 5% of the amount of the bid is required. H. E. Griffin, acting

secretary. A. S. Nibecker, Jr., architect; Holmes & Narver, structural engineers, 639 S. Spring St., Los Angeles.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary drawings for reconstructing, rehabilitating and strengthening the main building at the Center Avenue school, 11101 Walnut Ave., Inglewood. Laurance J. Waller, structural engineer, 357 S. Berendo St. and architectural division of the board; A. S. Nibecker, Jr., architect, authorized by board to proceed with working drawings. Cost, $57,344.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Architect Carleton M. Winslow, 1001 Architects' Bldg., to proceed with architectural working drawings and Structural Engineer Harold A. Nelson, 312 Associated Realty Bldg., to proceed with structural plans for reconstruction, rehabilitation and strengthening of West, East and South buildings at Miramonte school, 1400 E. 68th Street. Cost, $135,359.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Structural Engineer S. B. Barnes, 803 W. Third St., to proceed with structural working plans for reconstruction, rehabilitation and strengthening of the Orange St. school main building, corner of Eshelman Avenue and Orange St., Lomita. C. F. Skilling, 1008 W. Adams Blvd., architect. Cost $42,336.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans for reconstructing, rehabilitating and strengthening main building (excluding third story) at the 61st Street school, 6050 S. Figueroa St. H. Roy Kelley, 1102 Architects' Bldg., architect; S. B. Barnes, 803 W. 3rd St., structural engineer. Cost, $65,854.

BIDS WANTED

DELANO, Kern County, Cal.—Until June 16, 8 P. M., bids will be received by E. A. Roberts, Clerk, Delano Union School District, for the construction of an addition to the Cecil Avenue school in Delano. Plans prepared by Architect Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Plans and specifications may be obtained at the office of the architect upon deposit of $10.00.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and authorized Structural Engineer Blake E. Beatty, 816 W. Fifth St., to proceed with structural working plans for reconstruction rehabilitation and strengthening of the 95th Street school, 1106 W. 95th St. Architectural division will prepare the architectural plans. Cost, $50,772.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and authorized Structural Engineer C. J. Derrick, 2021 Kenilworth Ave., to proceed with the working plans for reconstrution, rehabilitation and strengthening of the South building at Virgil Junior high school. Cost, $44,800.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Architect Raphael A. Nicholais, 614 Clem Wilson Bldg., and Structural Engineer Maurice Sasso, 1. W. Hellman Bldg., to proceed with working drawings for strengthening the old portion of the main building at the Fishburn Avenue school, 5901 Fishburn Ave.

PLANS APPROVED

HUNTINGTON PARK, Los Angeles Co., Cal.—Los Angeles board of education approved architectural working drawings prepared by Architect Richard M. Bates, 5333 Delaware Avenue, for reconstructing, rehabilitating and strengthening the North and South wings and the auditorium at the Middleton Street school, 6541 Malabar St., Huntington Park. W. M. Bostock, 6723 Passaic St., Huntington Park, structural engineer. Cost, $27,300.

PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved architectural drawings prepared by Architect Earl T. Heitschmidt, 807 Subway Terminal Bldg., for reconstructing, rehabilitating and strengthening main building at Alta Lonia school, 1745 Vineyard Ave. R. McC. Beanfield Chamber of Commerce Bldg., structural engineer. Cost, $53,528.

PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved architectural drawings prepared by Architect Robt. H. Orr, 1300 Corporation Bldg., for reconsrtucting, rehabilitating, and strengthening building No. 1 (less third story) and building No. 2 at the Virginia Road school, 2925 Virginia Road. R. McC. Beanfield, Chamber of Commerce Bldg., structural engineer. Cost, $64,400.

PLANS APPROVED

SAN PEDRO, Los Angeles Co., Cal.—Los Angeles board of education has approved architectural working drawings prepared by Architect Edward C. Taylor, 803 W. Third St., for reconstructing, strengthening and rehabilitating the main building at Cabrillo Avenue school, 732 Cabrillo Ave., San Pedro. Ellis W. Taylor, 803 West Third St., structural engineer. Cost, $54,837.

Contract Awarded

ADDITION Cont. Price, $21,600
BAKERSFIELD, Kern Co., Calif.
Additions to Longfellow and Jefferson schools.
Owner—Bakersfield City School Dist.
Architect—Charles Biggar, Haberfelde Bldg., Bakersfield.
Contractor—Henry Eissler, 2229 18th St., Bakersfield.

June 5, 1934

Contract Awarded

ADDITION Cont. Price, $10,100
BAKERSFIELD, Kern Co., Calif.
Additions to Roosevelt School.
Owner—Bakersfield City School Dist.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
Contractor—Henry Eissler, 2229 18th St., Bakersfield.

Prospective Bidders

ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal. Vernon Street.
Additions to concrete Vernon Street elementary school building (add 3 classrooms and lunch room) and additions to concrete, brick and tile elementary school (add two classrooms and lunch rooms).
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles Dean, California State Life Bldg., Sacramento.

Following have procured plans. Bids open June 11, 7:30 P. M.:

Azevedo & Sarmento, 920 O Street, Sacramento.
H. W. Robertson, 3004 F St., Sacramento.
F. H. Betz, 1017 43rd St., Sacramento.
Henry Finnigan, 1901 T St., Sacramento.
M. R. Peterson, Colfax.
C. J. Hopkinson, 1810 28th Street, Sacramento.
Jul Johnson & Son, 1923 17th St., Sacramento.

Plans Being Completed

ADDITIONS Cost, $——
ROSEVILLE, Placer Co., Calif. Atlantic Street.
Add two classrooms and lunch room to Atlantic Street School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles Dean, California State Life Bldg., Sacramento.

It was previously reported that bids would be opened on June 11, which was in error. Plans will be forwarded to Sacramento for approval shortly.

BOND ELECTION

SEBASTOPOL, Sonoma Co., Cal.—An election will be held on June 19 by the Analy Union High School District at which time bonds in amount of $190,000 will be voted to finance construction of a two-story reinforced concrete high school in Sebastopol, or for reconstruction of the present building. Louis Stone, 354 Hobart St., Oakland, and J. R. Rowell, architects.

Preparing Working Drawings

SCHOOL Cost, $——
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room).
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles Dean, California State Life Bldg., Sacramento.

Plans will be forwarded to Sacramento for approval in about 2 weeks.

It was reported that bids were being taken to be opened June 11, which was in error.

Plans Completed

ADDITION Cost, $——
SOQUEL, Santa Cruz Co., Calif.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.

Plans have been forwarded to Sacramento for approval. Bids will be asked shortly.

BOND ELECTION

MILL VALLEY, Marin Co., Cal.—Mill Valley School District will hold an election June 29 to authorize expenditure of $1,939.88 to assist in financing construction of needed classrooms at the Park School, Mill Valley.

BIDS WANTED

FRESNO, Fresno Co., Calif.—Until June 14, 7:45 P. M., bids will be received by L. L. Smith, Secretary, Board of Education, Fresno, for 500 steel lockers, new furniture, new or used automobile truck and coupe. Plans and specifications are on file with the Secretary, 2425 Fresno St., Fresno. Certified check of at least 10% of amount bid required.

BOND ELECTION PLANNED

CYPRESS, Orange Co., Cal.—Cypress School District, Orange County, contemplates holding a bond election to provide funds for financing

the erection of an addition to the Cypress School. Two plans are under consideration, one to add an auditorium and four class-rooms and the other to add two classrooms.

BONDS VOTED

KERN COUNTY, Cal.—Union Ave. School District voted bonds in the amount of $8,000 to finance construction of school improvements in the Union Avenue School District. *

Plans Completed

REPAIR SCHOOL Cost, $60,000
SAN FRANCISCO. Twelfth Ave. and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.
Plans forwarded to Sacramento for approval. Bids will be asked shortly.

Additional Sub-Contracts Awarded.

DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two-story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell Jr., and Arthur Brown Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Constr.—George Wagner, 181 South Park, San Francisco.
Patent Flues—Montgomery Bros., 61 Fremont St., San Francisco.
Sheet Metal — Spangler Sheet Metal Works, 841 Alma St., Palo Alto.
Other awards previously reported.

Plans Being Prepared.

SCHOOL $50,000 (1st unit)
SAN JOSE, Santa Clara Co., Cal. Site To Be Selected.
Two-story brick and tile Theological school building (to accommodate 500 pupils).
Owner — United Christian Workers' Institute, Inc (R. L. Taylor, in charge), 114 S. 19th St., San Jose.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Founders & Directors of the school include, R. L. Taylor, O. S. Taylor, Judge H. K. Shaw, Jess Clark and C. B. Shaw, Chico. Bids will be asked at a later date.

TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles Board of Education has authorized the architectural division of the board; S. A. Nibecker Jr., architect, to prepare plans and specifications for the necessary architectural work in connection with the reconstruction, rehabilitation and strengthenig of the following school buildings, for which structural engineers have heretofore been appointed

McNerney School, 4470 Duncan Way, South Gate, main building; cost $11,648; Boyd I. Means, structural engineer.

Phineas Banning High School, 1500 Avalon Blvd., Wilmington, shop building; cost, $10,080.

John C. Fremont High School, 7676 S. San Pedro St., shop No. 2 and shop No. 3; cost, $44,000.

BIDS WANTED

RIVERSIDE, Cal.—Until 4:30 P. M., June 18, bids will be received by the Riverside Board of Education for the construction of a new school building on the site of the old Grant School, 14th and Walnut Sts., Riverside. G. Stanley Wilson, Mission Inn, Riverside, architect. The building will be a one-story, wood frame and stucco structure, containing seven classrooms, library, auditorium, office and teachers' room. Materials taken from the old Grant School will be utilized in the construction of the new building. *

COMMISSIOEND TO PREPARE PLANS

LOS ANGELES, Cal.—Architect A. C. Martin, 228 Higgins Bldg., commissioned by the Los Angeles Board of Education to prepare working drawings and specifications, including preliminary drawings, for a new building replacement of 21¼ units at the Polytechnic High School site, 400 W. Washington St. Cost, $144,800.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal. — Architect Winston L. Risley, 220 S. Westmoreland Ave., commissioned by Los Angeles Board of Education to prepare working drawings and specifications including preliminary drawings, for a new building replacement of 7½ units at the Denker Avenue School. Cost, $50,400.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors who have secured plans for the purpose of submitting bids at 11 a. m., June 12, to the Regents of the University of California for the construction of a wing addition to the chemistry building at the University of California at Los Angeles, are:

General Contract

Clinton Const. Co., 1103 Spring Arcade Bldg.; Geo. Hess, 434 S. Westmoreland Ave.; Reed & Maiser, 6348 Colgate Ave.; Kubach-Snyder Co. Ltd. 606 Union Bank Bldg.; H. M. Baruch Corp., Ltd., 625 S. Olive St.; Bannister-Field Co., 4101 Goodwin Avenue; H. Mayson, 9315 Hooper Ave.; Weymouth-Crowell Co., 2104 E. 15th St.; Pozzo Const. Co., 421 Macy St.; Person & Thiele, 6806 San Vicente; H. A. Nichols, 936 E. Slauson Ave.; Robert McKee, 1128 Central Bldg.; Easton & Nesser, 4822 W. Jefferson St.; Myers Bros., 3407 San Fernando Rd.; Sarver & Zoss, Inc., 1015 W. 4th St.; T. A. Beyer Corp., 438 Chamber of Commerce Bldg.

Plumbing, Heating and Ventilating

Howe Bros., 1198 San Pedro St.; Lohman Bros., 232 S. Spring Street; Johnston & Washer, 1706 N. Spring St.; Munger & Munger, 174 E. Union St., Pasadena; Harry Barkelew Co., 652 San Julian St.; Earl O. Stice Co., 2102 Colorado Blvd.

Electrical Work

E. C. Nickel, 912 Micheltorena St.; H. O. Bauerle, 9039 Washington Blvd. Culver City; R. R. Jones Electric Co., 1124 Fair Oaks Ave., South Pasadena; Moore Electric Co., 321 W. 3rd St.; Bennett & Taylor, 1978 S. Los Angeles St.; Gerard Vande, 1876 W. 38th Pl.

Furniture

Weber Showcase & Fixture Co., 5700 Avalon Blvd.; Wheat Cabinet & Fixture Co., 1741 E. 15th St.; American Seating Co., 1630 W. Washington Blvd.; Grevell-Wilcox Co., 1200 S. Hill St.

Plans Being Prepared.

ADDITION Cost, $5000
MORGAN HILL, Santa Clara Co., Cal.
One-rm. addition to Grammar School (frame construction)
Owner—Morgan Hill Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans will be forwarded to Sacramento for approval in ten days.

Plans Being Prepared.

MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Cal.
One-story frame and stucco music building (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans will be forwarded to Sacramento for approval in one week.

BIDS WANTED

HUNTINGTON BEACH, Los Angeles Co., Cal.—Until 2 P. M., June 19, bids will be received by the Board of Public Building Reconstruction, State of California, at the office of C. B. Baldwin, district superintendent of schools, Central Elementary School, corner of Palm Ave. and 17th St., Huntington Beach, for the erection of a new school building at the Central Elementary school site, in Huntington Beach. Separate bids will be taken on the following items of work: (1) general contract; (2) heating and ventilating; (3) plumbing; (4) electrical work. The building will be a two-story structure, 267x162 feet in area, containing 31 classrooms, and an auditorium to seat 500 persons; reinforced concrete and steel construction, composition roofing, steam heating, ventilating system, concrete floors wood sash, etc. Cost, $250,000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects. *

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles board of education has commissioned the following structural engineers to prepare working drawings asd specifications, including preliminary drawings, analyses, structural design computations and estimates of cost, for reconstructing, strengthening and rehabilitating the following school buildings:

Eagle Rock elementary school, main building; Martin Pohl, structural engineer, 1008 W. Adams Blvd.; cost $51,520.

Marengo Heights school, building No. 2, (less third story); Ralph A. DeLine, structural engineer, 1144 South Grand Ave.; cost, $61,776.

Point Firmin school, main building, 1919 portion; S. B. Barnes, structural engineer, 803 W. 3rd St.; cost, $83,440.

Phineas Banning high school, shop building; Harold P. King, structural engineer, Rm. 209, 5360 Wilshire Blvd. Cost, $10,080.

John C. Fremont high school, shop buildings Nos. 1 and 2; Geo. J. Fosdyke, structural engineer, 112 North Main St.; cost, $44,000. *

PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved the working plans for the academic building to be built at the Jefferson Junior high school site. Plans were prepared by Architect W. A. Dedrick, 901 Heartwell Bldg., and Chas. D. Wailes, Jr., engineer, Ocean Center Building, Long Beach. Construction will be steel frame, reinforced concrete walls and corridors, maple floors, composition roofing, etc. *

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles board of education has commissioned the following architects to prepare engineering and architectural working drawings and specifications, including preliminary drawings, analyses, structural design computations and estimates of cost, for reconstruction, rehabilitation and strengthening the following school buildings:

Angeles Mesa school annex, 2611 W. 52nd St.; Paul R. Williams, 3839 Wilshire Blvd. and Lester G. Scherer, architects; cost, $23,925.

Gage Avenue school, 2880 Gage Ave. Huntington Park, administration and auditorium buildings and new building; Armanda Monaco, architect, 306 Pershing Square Bldg.; cost $76,000.

Garvanza school, 301 N. Avenue 62, main brick building; Richard D. King, architect, 1124 Van Nuys Bldg.; cost, $25,480.

Vine Street school, 955 N. Vine St., Hollywood, main brick building; C. E. Noerenberg, architect; cost $62,720.

Benjamin Franklin high school, 820 N. Avenue 54, science building; Frank R. Schaefer, architect, 1103 Kerckhoff Bldg.; cost, $79,492.

PLANS COMPLETED

LOS ANGELES, Cal.—Los Angeles Board of Education has adopted working drawings (architectural and engineering) for reconstructing, rehabilitating and strengthening the main building, shop building No. 1, shop building No. 2, and the physical education building at the Bell High School. The Board issued instructions that further work on shop buildings Nos. 1 and 2 and the physical education building will be held in abeyance for the present and that plans for the main building be forwarded to the State Architect for check. Train & Cressey, 226 Mutual Life Bldg., Architect. Oliver G. Bowen, 1144 S. Grand Ave., Engineer. Cost, $264,606.

PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education has approved working drawings (architectural and engineering) for reconstructing, rehabilitating and strengthening the 1925 portion of the main building, domestic science building, auditorium and boiler room building, shop buildings No. 1 and No. 2 and the physical education building at the David Starr Jordan High School site, 2265 E. 103rd St. Sumner P. Hunt, architect, 701 Laughlin Bldg., and Wm. Mellama, structural engineer, 1661½ Beverly Blvd. Cost, $161,280.

Contract Awarded

SCHOOL Cont. Price, $41,140
WOODBRIDGE, San Joaquin Co., Cal.
Two - story brick elementary school building (six classrooms) tile roof, steam heating system, wood floors.
Owner—Woodbridge Elementary School District.
Architect—Harry Devine, California State Life Bldg., Sacramento
Contractor—John J. Cavanagh, 219 N. Sutter St., Stockton.
Total bids follow:
(A) John J. Cavanagh, Stockton, $41,-140.00.
(B) Louis Peletz, Stockton, $42,880.
(C) Azevedo & Sarmento, Sacramento $42,990.
(D) Swanson & Chance, Turlock, $43-522.00.
(E) Chas. F. Unger, Sacramento, $43-769.00.
(F) H. W. Robertson, Sacramento, $43,777.
(G) Henry Finnigan, Sacramento, $43-850.00.
(H) J. C. Nunley, Stockton, $43,987.
(I) Young & Horstmeyer, San Francisco, $45,000.
Complete bids with alternate proposals follow:
(1) deduct for omission of window shades;
(2) deduct for omission of metal partitions, doors and finish in showers;
(3) add for furnishing and installing Marbelle-AA gauge linoleum over all floor area of corridors & foyer;
(4) add for furnishing and installing Marbelle-AA gauge linoleum over all floor areas excepting auditorium, foyer, assembly hall, etc.
(5) add for furnishing stage curtain;
(6) add or deduct for rigid asbestos shingle roofing in place of tile roofing.
(A) $41,140; (1) $174; (2) $386; (3) $512; (4) $1305; (5) $295; (6) ded. $50.
(B) $42,880; (1) $174; (2) $500; (3) $512; (4) $1305; (5) $295; (6) ded. $225.
(C) $42,990; (1) $157; (2) $341; (3) $504; (4) $1286; (5) $295; (6) .....
(D) $43,522; (1) $174; (2) $160; (3) $512; (4) $1305; (5) $295; (6) ded. $200.
(E) $43,769; (1) $157; (2) $90; (3) $520; (4) 1320; (5) $300; (6) .....
(F) $43,777; (1) $250; (2) $275; (3) $750; (4) $1500; (5) $350; (6) .....
(G) $43,850; (1) $158; (2) $132; (3) $530; (4) $1325; (5) $350; (6) add $227.
(H) $43,987; (1) $176; (2) $856; (3) $512; (4) $1305; (5) $295; (6) ded. $212
(I) $45,000; (1) $150; (2) $300; (3) $600; (4) $1400; (5) $350; (6) add $150.

Planned

ADDITION Cost, $——
KETTLEMAN CITY, Kern Co., Cal.
Addition to grammar school (add 3 classrooms, enlarge assembly hall)
Owner—Kettleman City School Dist.
Architect—Not Given.

CONTRACT AWARDED

LOS ANGELES, Cal. — Easton & Nesser, 4822 W. Jefferson Blvd., awarded contract at $36,453 by Los Angeles Board of Education for reconstruction, strengthening and rehabilitation of units No. 1 and No. 2 at the Cienega School, located on the south side of Adams Blvd., between Sycamore Ave. and Orange Dr. A. S. Nibecker Jr., Architect.

BIDS WANTED

SANTA ROSA, Sonoma Co., Cal.—Until June 21, 8 P. M., bids will be received by G. N. Bech, Secretary, Bd. of Trustees, Santa Rosa Junior College District, for furnishing and installing steam heating system in the gymnasium building or the Santa Rosa Junior College. Plans and specifications prepared by Leland & Haley, 58 Sutter St., San Francisco, and copies may be obtained from them upon deposit of $10, cash. Each bid must be accompanied by certified check of not less than 5% of amount bid.

Planned.

SCHOOL Cost, $——
FRUITVALE, Kern Co., Cal.
Replace school building recently destroyed by fire (4 classrooms, auditorium to seat 300; reinforced concrete construction.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.
It is contemplated to call an election in the near future to vote bonds to finance construction. Exact cost not determined but estimated at $40,-000.

BIDS WANTED

SAN FRANCISCO.—Until June 13, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for the installation of new blackboards in the Denman grammar school Pierce Street between Fell and Hayes. Plans and specifications are available from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit of $10.00. Estimated cost, $3,000. A penalty of $25.00 per day for each day work is not completed after specified date.

Contract Awarded.

ADDITION Cont. Price, $1907
GILROY, Santa Clara Co., Cal.
Frame structure around present boiler for high school.
Owner — Gilroy Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—John Riksheim, 95 N. Dowdy St., Gilroy.
Following bids received:
John Riksheim.....$1907
T. C. Renz..... 1945
Wm. Radtke 1957

FIRE LOSS

FRUITVALE, Kern Co., Cal.—Fire destroyed the Fruitvale school causing damage estimated at $40,000.

Sub-Contracts Awarded

COLLEGE BLDG. Cost, $210,000
PULLMAN, Washington. State College Campus.
Four-story reinforced concrete chemistry building (45 classrooms, laboratories, offices, etc.) brick and tile exterior walls, tile interior partitions, etc.
Owner—State of Washington.
Architect—S. A. Smith, State College, Pullman.
Contractor—A. F. Mowat, McDowell Bldg., Seattle, $165,650.
Reinforcing Steel—Pacific Coast Steel Co., Seattle.
Roofing — Independent Roofing Co., Seattle.
Terra Cotta — Washington Brick and Lime Co., Seattle.
As previously reported, plumbing awarded to H. D. Powell Plumbing & Heating Co., Pullman, $10,463; heating and ventilating to H. D. Powell, Pullman, $19,456; electric motors to Allis-Chalmers, Spokane, $449.

BIDS WANTED

HOLLISTER, San Benito Co., Cal.—Until June 18, 8 P. M., bids will be received by C. M. McKee, Clerk, Board of Trustees, Hollister School Dist., for millwork, plastering, painting, plumbing and carpenter work required to finish a three-room unit of the Fremont school building. Specifications are on file in the office of C. M. McKee, 328 Fourth St., Hollister.

Contract Awarded.

ADDITION Cont. Price, $5573
MILL VALLEY, Marin Co., Cal.
One-story frame and stucco addition to Tamalpais Park School (add 1 classroom and 1 cloakroom).
Owner—Mill Valley School District.
Architect—Walter Falch, Hearst Bldg. San Francisco.
Contractor—Melvin Klyce, 26 Eugene St., Mill Valley.

Bids Wanted—To Close June 13, 2:30 P. M.

REPAIR SCHOOL Cost, $70,000
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Work involves:
(a) Addition of concrete walls and footings around all stair halls from basement to roof; substitution of concrete floor slabs from existing wood joists and wood floor in all stair halls, and addition of concrete slab over entire stair halls at third floor ceiling level.
(b) Addition of structural steel or reinforced concrete portal frames in all corridors on each floor, in boys' and girls' gymnasiums in basement, in study hall and study room on second floor, and other braces where show. Portal frames will brace each pair of interior columns as shown and shall be complete with columns, brac-

ing and other members as indicated on the details.

(c) Additions of structural steel bracing beams at certain points in the building where exterior walls are non-continuous.

(d) Removal of all brick parapet walls, the installation of horizontal and vertical reinforcing rods between structural members, and the rebuilding of the brick and concrete parapet walls, the filling in of certain basement windows, necessary cutting and patching, etc.

(e) The filling in of all voids in exterior terra cotta work with cement mortar, the pointing and cleaning of terra cotta, etc.

(f) All lathing and plastering, rough and finished carpentry, sheet metal, miscellaneous iron work, plumbing, heating and ventilating, electrical work, finish hardware, painting and glazing.

Plans and specifications available from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit of $25.00. A bond of $17,500 is required.

A penalty of $100 per day will be charged for each day work is not completed after specified time.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Los Angeles board of education has commissioned the following architects to prepare working drawings and specifications, including preliminary drawings for reconstruction, strengthening and rehabilitation of the following school buildings for which structural engineers have previously been appointed, as follows:

Eagle Rock elementary school, main building; Mott M. Marston, architect, 2460 Chevy Chase Dr., Glendale; cost $52,520.

Fifteenth Street school, buildings Nos. 1 and 2; W. J. Saunders & Son, architects, 785 E. Pico St.; J. H. Davies and C. D. Walles, Jr., structural engineers, 1221 El Prado, Torrance; cost, $76,384.

Fifty-second St. school, main brick building; A. M. Edelman, architect, 709 H. W. Hellman Bldg.; Aaron J. Smith, structural engineer, 3726 Lemon Ave., Long Beach; cost, $26,880.

Glassell Park school, main brick building; Edward C. Taylor, architect 803 W. 3rd St.; Ellis W. Taylor, structural engineer, 803 W. 3rd St.; cost, $50,400.

Hammel Street school, buildings No. 1, 2 and 3; Architect C. L. Wilson, Olive View; C. G. DeSwarte, structural engineer, 5369 Wilshire Blvd.; cost, $76,216.

Hermon school, main building; F. D. Hudso, architect, 701 Laughlin Bldg.; Francis N. Dlouhy, structural engineer, 9273 Cordell Drive, West Los Angeles; cost, $64,512.

Malabar Street school, annex; Aleck Curlett, architect; Grosse Building; Ernest Seiler, structural engineer, 5016 Hartwick St.; cost, $59,360.

Marengo Heights School, building No. 2, less third story; Geo. Adams, architect, 5514 Wilshire Blvd.; cost, $61,776.

Orange Street school, main building C. F. Skilling, architect, 1008 West Adams Blvd.; S. B. Barnes, structural engineer, 803 W. 3rd St.; cost, $42,336.

Point Firmin school, main building, 1919 and 1924 portions; Paul J. Duncan, architect, 624 S. La Brea; cost, $83,440.

Riggin Ave. school, main building; Arthur L. Acker, architect, 1345 S. Sycamore Ave.; Maurice Sasso, structural engineer, I. W. Hellman Bldg.; cost, $61,600.

Second Street school, building No. 1; Wm. Mellema, architect, 1661½ Beverly Blvd.; Wm. Mellema, structural engineer; cost, $39,512.

Sixth Avenue school, main building; Donald Wilkinson and R. M. Crosby, architects, Hollywood Security Bldg.; Ryan Grut, structural engineer, 1007 S. Grand Ave.; cost, $89,040.

Twenty-fourth Street school, main brick building; Kemper Nomland, architect, 615 Architects' Bldg.; Clyde C. Deuel, structural engineer, 405 Douglas Bldg.; cost, $40,320.

Woodcrest school, annex building, less the auditorium and arcade; Heth Wharton, architect, 6237 Drexel Ave.; J. J. Rees Engineering Co., structural engineers, 5455 Clinton St.; cost, $22,400.

Jacob A. Riis high school, shop bldg. Wm. Richards and Wesley Eager, architects, 606 Architects' Bldg.; Lawrence J. Waller, structural engineer, 257 S. Berendo St.; cost, $17,920.

University high school, main bldg.; Claud Beelman, architect, 1019 Union Bank Bldg.; Paul E. Jeffers, structural engineer, 816 W 5th St.; cost, $109,760.

16—BANKS, STORES AND OFFICES

Contract Awarded
ALTER STORE Cost, $8000
SAN FRANCISCO. SW Eighth Ave. and Clement Street.
Alterations and additions to store.
Owner—Owl Drug Co., 657 Mission St.
Plans by Engineering Dept. of Owner
Contractor—Louis C. Dunn, Monadnock Building.

Contract Awarded
REMODEL STORES Cost, $1500
SACRAMENTO, Sacramento Co., Cal. 1021 K Street.
Remodel store front.
Owner—Chinn-Beretta, 910 K Street, Sacramento.
Architect—Not Given.
Contractor—A. J. Fisher, 800 35th St., Sacramento.

PREPARING PLANS

TUSCON, Ariz.—Aaron Levy, manager of Levy's Dept. Store, Tucson, announces plans under way for modernizing and adding more floor space to the building occupied by the company in Tucson. Work will consist of rebuilding the front and other portions of the structure and interior improvements.

Contract Awarded.
ALTERATIONS Cost, $1800
SAN FRANCISCO. No. 526 Columbus Avenue.
Owner — M. Azzaro, 500 Columbus Ave., San Francisco.
Architect—J. A. Porporato, 619 Washington St., San Francisco.
Contractor—L. Murer, 1815 Mason St., San Francisco.

Contract Awarded
REPAIR BLDG. Cost, $2,000
OAKLAND, Alameda Co., Calif. 364 Fourth Street.
Fire repairs to building.
Owner—H. D. Van Sicklen, 364 Fourth St., Oakland.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.

Plans Being Completed
OFFICE BLDG. Cost, $10,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One-story frame and stucco doctors' office building (12 rooms) shingle roof, 3 gas heating units, linoleum mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Hertzka & Knowles, 982 Bryant St., San Francisco.
Bids will be asked in one week.

Sub-Contracts Awarded
ALTERATIONS Cost, $10,000
SAN FRANCISCO. 154 Sutter Street.
Alterations to loft building.
Owner—John Brickell Company.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks and Irvine, 74 New Montgomery Street.
Roofing—Alta Roofing Co. 976 Indiana Street.
Terrazzo—California Terrazzo Works, 2085 San Bruno Ave.
Elevator—Otis Elevator Co., 1 Beach.
Ornamental and Misc. Iron—Industrial Ornamental Iron, Bronze & Wire Works, 552 Noe St.

Sub-Contracts Awarded
ALTERATIONS Cost, $16,000
OAKLAND, Alameda Co., Calif. 1615 Telegraph Avenue.
Alterations to building.
Owner—Mannings, Inc., 365 Brannan St., San Francisco (P. E. Walker, in charge).
Plans by Engineering Dept. of Owner
Steel and Concrete—Dinwiddie Const. Co., Crocker Bldg., San Francisco
Plumbing—Gus Thaler, Franklin and Seventh Sts., Oakland.
Electric—Scott-Buttner Co., 19 Grand Ave., Oakland.
Plastering—C. O. Farrer, 2406 Ransome St., Oakland.
Bids are being received by P. E. Walker, premises, for woodwork and fixture work and electric refrigeration.

Contract Awarded.
INN Cont. Price, $12,787.85
ARCATA, Humboldt Co., Cal. Redwood Highway.
One-story frame and stucco roadside Inn (redwood shingle and composition roof, etc.); main dining room dance hall, 10 booths, private dining room, kitchen, appurtenances and residential quarters.
Owner—Not Given.
Architect — Franklin T. Georgeson, Eureka, Calif.
Contractor—Halsby & Lax, Eureka.
Following bids received:

Halsby & Lax, Eureka	$12,787.85
George Hugnin, Arcata	13,550.00
F. J. Maurer, Eureka	13,600.00
Frank Johnson, Arcata	13,884.00
S. H. Rylander, Arcata	14,389.00
E. S. Mackins, Eureka	14,949.00

Electrical Contract Awarded.
STORE Cost, $40,000
VALLEJO, Solano Co., Cal. SW Georgia and Sacramento Sts.
Two-story and basement reinforced concrete and steel store building.
Owner—Jack Castagnoli, 1235 Georgia St., Vallejo.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Lessee—Sears Roebuck Company.
Contractor—David Paganini, 519 California St., San Francisco.
Electrical Work—Ed. Pierce Electrical Co., Vallejo, at $4000.

Low Bidders.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 949 Market Street.
Alterations to building (work includes changes in stairs, ornamental iron work, concrete, marble and tile).
Owner—Sam Kapriallan.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Ornamental Iron and Stair Work — California Artistic Metal & Wire Works, 349 7th St., San Francisco.
Tile—Ginsberg Tile Co., 540 Turk St., San Francisco.

Additional Contracts Awarded.
ALTER STORES Cost, $10,000
SAN FRANCISCO SE Eddy and Mason Streets.
Alterations to store building.
Owner—A. W. Wilson.
Architect — C. A. Meussdorffer, 101 Post St., San Francisco.
Contractor—Monson Bros., 475 Sixth St., San Francisco.
Carpentry—Monson Bros., 475 Sixth St., at $2740.
Marble Glass — MacGruer & Co., 266 Tehama St., at $535.
Plastering—Lee Nix, 4127 Kirkham St., at $928.
Marble—Eisele & Dondero, 2895 Third St., at $328.
Electric—Crown Electric Co., 153 Eddy St., at $2129.

Contracts Awarded.
REMODEL BANK Cost, $10,000
WOODLAND, Yolo Co., Cal. Main and College Streets.
Remodel present bank building (work includes new front, adding mezzanine floor, new lighting fixtures, reinforcing steel, etc.)
Owner—Bank of America.
Plans by Capital Co., 625 Market St., San Francisco.
Architect — L. J. Hendy, % Capital Co., 625 Market St., San Francisco
Marble—Eisele & Dondero, 2895 Third Street.
Electric—Weider Electric Co., Woodland.
Heating and Plumbing — Woodland Plumbing & Hardware Co.
Work is under way by day's labor under the owner's supervision.

Contract Awarded
ALTER OFFICES Cost, $1000
SAN FRANCISCO. 415 Jackson St.
Alterations to offices.
Owner—Allen & Co., 154 Sutter St.
Architect—Bertz, Winter and Maury, 681 Market Street.
Contractor—Young & Horstmeyer, 461 Market Street.

Contract Awarded.
ALTER BLDG. Cont. Price, $2440
SAN FRANCISCO. No. 300 Front St.
Alterations to warehouse.
Owner—Geo. Hermann, 300 Front St., San Francisco.
Plans by Edgar P. Ames, 2177 Pacific Ave., San Francisco.
Contractor—William Martin, 666 Mission St., San Francisco.

BIDS OPENED
SAN FRANCISCO — Fred Johnson, 3363 Army St., at $1790 submitted low bid to Department of Public Works for electrical work for the Bay View School, located on southeast corner of Bay View and Flora Streets. Work includes rewiring of basement floor, conduit to be Sheraduct Greenfield duct or equal; wire to be approved rubber covered wire; switches to be Hart and Hogeman, Bryant Electric or equal, of the flush tumbler type with bronze composition indicating handle; base plugs to be Hart and Hageman Co. or Bryant Electric Co., or equal. Following bids received:

Fred Johnson	$1790.00
Paragon Electric Co.	1993.00
Atlas Electric Co.	2018.50
Aptos Electric Co.	2020.00
Central Electric Co.	2033.00
W. B. Baker	2240.00
American Electric Co.	2298.00
Levy Electric Co.	2489.85

Bids held under advisement.

Bids Opened.
OFFICES Cost, $——
STOCKTON, San Joaquin Co., Cal. NE Center and Rose Streets.
One-story and basement reinforced concrete highway office bldg. for State Highway Division (tile roof).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Low Bidder—John J. Cavanagh, 219 N. Sutter St., Stockton, at $31,313.
Electric — Eddy Electric Co., 309 E. Weber St., Stockton, at $2378.
Plumbing — Carpenter & Mendenhall, 907 Front St., Sacramento, at $2650.
Heating and Ventilating—Carpenter & Mendenhall, 907 Front St., Sacramento, at $6060.
Complete bids follow:

General Work

(1) deduct for omitting curbs and sidewalks:

John J. Cavanagh, Stockton		$31,313.00
	(1)	900.00
Ecker Bros., Stockton		32,400.00
	(1)	1,054.00
E. Merlo, Stockton		33,051.30
	(1)	683.50
Samuel Eyre, Tracy		36,239.00
	(1)	867.00
Campbell Constr. Co., Sacto.		36,248.00
	(1)	1,000.00
S. G. Giles, Stockton		37,285.10
	(1)	662.12

Electrical

Eddy Electric Co., Stockton	$2,378
*Square Electric Co., Stockton	1,953

*Bid not considered as it was not signed.

Plumbing

Carpenter & Mendenhall, Sacto.	$2,650
Miller Hays Co., Stockton	2,872
Scott Co., San Francisco	2,887
W. T. Gibson, Stockton	2,996
Carl T. Doell, Oakland	3,059
Paul Harry Co., Stockton	3,440
F. W. Snook, San Francisco	3,490

Heating and Ventilating

(1) deduct for omission of cooling system.

Carpenter & Mendenhall, Sacto.		$6,060
	(1)	2,000
Scott Co., San Francisco		6,141
	(1)	2,393
W. T. Gibson, Stockton		6,467
	(1)	2,426
F. W. Snook, San Francisco		6,548
	(1)	2,005
J. Herman Co., Los Angeles		6,565
	(1)	2,220
Pacific Heating & Vent. Co., Oakland		6,595
	(1)	2,475
Carl T. Doell, Oakland		6,677
	(1)	2,142
Miller Hays Co., Stockton		6,731
	(1)	2,656
Richmond Sheet Metal Works Richmond		7,103
	(1)	2,959
Pahl Harry Co., Stockton		7,712

Bids held under advisement.

Bids Opened
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Bldg. (four-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent).
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Low Bidder—Geo. J. Maurer, 50 York Drive, Piedmont.
Following bids received:

Geo. J. Maurer, Piedmont	$114,534
Geo. Swanstrom, Oakland	115,441
Wm. Spivock, San Francisco	115,620
Dinwiddie Const. Co., S. F.	116,100
Barrett & Hilp, S. F.	117,655
W. G. Thornally, Oakland	117,700
B. A. Howkins, S. F.	118,900
Henry Christensen, Oakland	119,818
Lindgren & Swinerton, S. F.	123,590

General bids held under advisement and bids on window shades, carpets, electrical fixtures and linoleum will be published shortly.

Construction Started
ALTERATIONS Cost, $5,000
WOODLAND, Yolo Co., Cal. 540 Main Street.
Alterations for store building.
Owner—Safeway Stores, Fourth and Jackson Streets, Oakland.
Plans by Engineering Dept. of Owner.
Work is being done by day's work by local labor.

17— THEATRES

Bid Opening Date Postponed Until June 15.
THEATRE Cost, $70,000
PITTSBURG, Contra Costa Co., Cal.
One-story and balcony structural steel and reinforced concrete theatre (to seat 1000) composition roof, steam heating system, etc.
Owner—Withheld.
Architect—F. F. Amandes, 1879 16th Ave., San Francisco.
Following have procured plans:
Morris J. Siino, 710 Black Diamond St., Pittsburg.
H. J. Christensen, 1955 Webster St., Oakland.
Aetna Constr. Co., 166 Miramar Ave. San Francisco.
A. J. Hopper, 1769 Pleasant Valley Road, Piedmont.

18— WHARVES & DOCKS

BIDS WANTED
SAN FRANCISCO—Until June 15, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for repairs to fender piling and to concrete piers and decks, Piers Nos. 1, 2 and 3 at Fort Mason. Plans and specifications available from above office upon deposit of $5.

19—MISC. CONSTRUCTION

BIDS WANTED
SAN FRANCISCO—Until August 20, 3 P. M., bids will be received by the San Francisco Board of Supervisors for a franchise for disposal of garbage by incineration. The successful bidder must erect at his own expense and in accordance with his own plans and specifications, a complete incineration plant, including approaches, to have a capacity of at least 800 tons per day and to accommodate dumping of 30 trucks an hour.

The plant will be erected on a site owned by the City, bounded by Alameda, DeHaro, Fifteenth and Rhode Island Streets.

A surety bond of $150,000 for the first two years of the franchise and $100,000 thereafter will be required to assure faithful performance.

Specifications for the performance test to which the plant will be subjected are on file at the office of the City Engineer, Room 357 City Hall, San Francisco, and are available upon deposit of $25. * 19

June 6, 1934

To Be Done By Day's Work
TANK Cost, $4000
BERKELEY, Alameda Co., Calif. 701 Grayson.
Crystallized tank.
Owner—Philadelphia Quartz Co., 701 Grayson St., Berkeley.
Plans by Engr. Dept. of Owner.

BIDS WANTED
SAN MATEO, Cal.—Until June 18, 8 P. M., bids will be received by the San Mateo City Council for moving the A. M. E. Zion Church, located on East Monte Diablo Ave. to a block east of present location.

CONTRACT AWARDED
COOLDIGE, Ariz.—Quality Elec. Co. at $42,247 awarded contract by U. S.

Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for the construction of 80 miles of transmission line at Coolidge. Project No. F. P. 261.

BIDS WANTED

SAN FRANCISCO—Until June 12, 10 A. M., bids will be received by the Signal Officer, 9th Corps Area, Presidio of San Francisco, for equipping, erecting and guying of six 50-ft. antenna poles for diversity reception system, and pouring six concrete anchor blocks or deadmen at the Presidio of San Francisco, under Spec. C. P. 1084 SC 34-10.

Specifications obtainable from above office.

BIDS OPENED

LOS ANGELES, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $50,758.85 submitted low bid to Los Angeles Board of Public Works May 31 for the improvement of El Modena Avenue between Figueroa St. and Colorado Blvd., by the construction of an 8-in. permanent pavement 56 ft. wide, together with curbs and sidewalks. Complete bids follow:

(A) Griffith Co., Los Angeles, $50,758.85.
(B) Southern California Roads Co., Los Angeles, $52,689.00.
(C) L. A. Paving Co., Los Angeles, $55,064.15.
(D) P. J. Akmadzich, Los Angeles, $56,927.88.
(E) Geo. R. Curtis Paving Co., Los Angeles, $57,665.02.
(F) Engineer's estimate, $58,777.47.

CONTRACT AWARDED

SAN BENITO COUNTY, Cal.—W. B. Roselip, 756 Santa Rosa St., San Luis Obispo, at $6836 awarded contract by State Highway Commission, Sacramento, for 11.7 miles oil treatment in San Benito County.

AWARD

SAN LUIS OBISPO COUNTY, Cal.—Walter B. Roselip, 756 Santa Rosa St., San Luis Obispo, at $7562.80 awarded contract by the State Highway Commission, Sacramento, for 41.7 miles of oil treatment to be applied to the existing roadbed in San Luis Obispo County.

CONTRACT AWARDED

GLENDALE, Cal.—Southwest Paving Co., 711 Lankershim Bldg., Los Angeles, at $31,199.31 awarded contract by the Glendale City Council for improving Colorado St., between Central Avenue and the east city limits, about 1.6 miles.

BIDS OPENED

IMPERIAL COUNTY, Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at $8338.50 submitted low bid to the Department of Public Works, Division of Highways, San Diego, for highway oiling in Imperial County, between Bond's Corner and Niland, a length of about 38.9 miles. Complete bids follow:

(1) 5450 bbls. heavy fuel oil in place; (2) Total.
Square Oil Co., (1) $1.53; (2) $8338.50.
Paulson & March, Los Angeles, (1) $1.63; (2) $8838.50.
Gilmore Oil Co. (1) $1.68; (2) $9156.
Consumers Oil Co., (1) $1.71; (2) $9,319.50.
Lamb's Transfer Co., (1) $1.77; (2) $9646.50.

BIDS WANTED

UKIAH, Mendocino Co., Cal.—Until June 18, 2 P. M., bids will be received by H. M. Burke, Clerk, Mendocino County Board of Supervisors, Ukiah, for moving two-story Detention Home from its present site to location on ground near other buildings forming a part of the Mendocino County Hospital. Work includes furnishing all labor, implements, tools and machinery for moving and placing building upon a foundation to be provided by the county. Bids must be accompanied with certified check for 10% of amount bid.

AWARD RECOMENDED

TULARE COUNTY, Cal.—Award of contract to Tiffany Construction Co., 535 N. Seventh St., San Jose, at $18,000 for bituminous surface treatment of Sections D3 and D4 of Route 1, the Generals Highway, Sequoia National Park and Section A of the General Grant Sequoia Park Approach Road, Tulare County, has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

TO APPOINT ENGINEER

OROVILLE, Butte Co., Cal.—Oroville City Council is to select an engineer shortly to make a survey of the existing Pacific Gas & Electric electrical distribution system in the city. Purchase of the system or construction of a municipal system is contemplated. City Clerk J. V. Nisbet.

BIDS WANTED

ARCADIA, Los Angeles Co., Cal.—Lindgren & Swinerton, 529 Pacific Mutual Bldg., Los Angeles, are taking bids for the following materials to be used in the construction of a grand stand in Arcadia for Los Angeles Turf Club Mill work, miscellaneous iron and steed, steel sash and doors, sheet metal, metal partitions, slate, terrazzo, lath and plaster. Plans may be seen at the office of the contractors in Los Angeles. Gordon B. Kaufmann, 610 Union Bank Bldg., Los Angeles, Architect.

BIDS WANTED

ROSS FIELD, Los Angeles, Cal.—Until 11 A. M., June 18, bids will be received by the Quartermaster General, Ninth Army Corps Area, San Francisco, for the sale of caretaker's quarters and garage at Ross Field, Arcadia. The two buildings contain approximately 8000 feet of lumber.

PLANNED

BURLINGAME, San Mateo Co., Cal.—City of Burlingame is considering constructing a municipal swimming pool on the property adjoining the Burlingame High School. Recommendation was made that the city purchase four acres of the Carolan estate and construct the pool, making it sufficiently large for other sports. Plans are under consideration by the city council. Further details will be announced shortly.

BIDS WANTED

SAN FRANCISCO—Until June 20, 12 Noon, bids will be received by Southern Pacific-Golden Gate Ferries, Ltd., Room 952, 65 Market St., for furnishing repair parts, tools, fuel, lubricating oils, etc., for a period of five years from June 20, 1934, unless arrangements is terminated at an earlier dats. Proposal forms and specifications available from above office.

TENTATIVE SKETCHES PREPARED

SAN FRANCISCO—Architects Bernard Maybeck and Wm. G. Merchant, Russ Bldg., have prepared tentative sketches for waterfall project on Twin Peaks. Cost of the cascade, with fountains, pool and grotto is estimated to cost $250,000. Following civic leaders have given their approval to the plans: Lewis F. Byington, Marshal Hale, W. D. Fennimore, Jos. A. Moore, R. M. Tobin, Chas. S. Cushing, Joseph M. Cumming, John F. Forbes, Justice Emmet Seawell, John T. Regan, Chas. A. Shurtleff, H. L. Van Winkle, Albert Schwabacher, J. B. Levison, R. F. Allen and John H. Wood.

PLANNED

UKIAH, Mendocino Co., Cal.—County Supervisors are considering calling for bids for the moving of the two-story frame Detention Home on the county property to the county infirmary site. Estimated cost, $5000. Further details will be announced in about one week.

COMPLETE BIDS

LOS ANGELES, Cal.—J. T. Thorpe, Inc., 94 E. Second St., Los Angeles, at $3,597 (as previously reported) submitted low bid to the Veterans' Administration, Washington, D. C., for the construction of an incinerator at the Veterans' Administration Facility, Los Angeles. Complete bids follow:

J. T. Thorpe, Inc., L. A. $3,597
B. M. Schiewe, L. A. 3,675
J. D. McIntosh, L. A. 3,790
Willard Lutz, L. A. 3,850
Easton & Messers, L. A. 3,820
J. G. Gibson & Son, L. A. 4,244
Contracting Engineers, L. A. 4,440
H. A. Nichols, L. A. 4,565
Arthur Pinner, Jr., L. A. 4,652
V. O. Brunnell, Gardina 5,148
F. G. Egan Refactory Engr. Co., Inc., Brooklyn 5,978

Stacy Incinerator Co., Los Angeles, informal bid will not be accepted, $1,200.

Roofing Contract Awarded.

RACE TRACK Cost, $140,000
SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Architect—Maury I. Diggs, 364 14th St., Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

As previously reported, structural steel contract awarded to McClintic-Marshall Corp., 2050 Bryant St., San Francisco.

ROOFING CONTRACT AWARDED

SAN MATEO, Cal.—E. G. Bengston, Manager of the Trinidad Mastic Construction Co., 32 Andrews St., San Francisco, announces that his firm has received the roofing contract for the clubhouse, 25 stables, receiving barn and miscellaneous buildings to be erected by the California Jockey Club (William Kyne, Mgr.), at the Bayshore Meadows Race Track.

Plans Being Prepared.

IMPROVEMENTS Cost, $250,000
SAN FRANCISCO. Point Lobos Ave.
Rebuild Sutro Baths (supper room, museum, barbacue pit, boxing platform, etc.)
Owner—Sutro Estate (Adolph Sutro, in charge).
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.

Some preliminary work has been started by the owner by day's labor. (4610)

PLANNED

MARTINEZ, Contra Costa Co., Cal.—Martinez City Council has proposed to set aside a certain sum each month to provide funds to finance construction of a swimming pool in Martinez. L. W. Brisco, chairman of the organization's recreation committee.

BIDS WANTED

ARCADIA, Los Angeles Co., Cal.—Lindgren & Swinnerton, 529 Pacific Mutual Bldg., are taking bids on materials in connection with the construction of the grand stand at the horse racing plant in Arcadia for the Los Angeles Turf Club, as follows: Millwork, miscellaneous iron and steel, steel sash and doors, sheet metal, metal partitions, slate, terrazzo, lath and plastering. Plans may be seen at the office of Lindgren & Swinnerton, 529 Pacific Mutual Bldg. Gordon B. Kaufmann, 610 Union Bank Bldg., Architect.

BIDS WANTED

SAN DIEGO, Cal.—Architect Frank L. Hope, Jr., Commonwealth Building, San Diego, has prepared plans and is taking bids for cemetery entrance gates to be constructed in San Diego for Holy Cross Cemetery. Concrete, granite and wrought iron will be used in the structures.

CONTRACT AWARDED

LOS ANGELES, Cal.—Contracting Engineers, Inc., 2310½ West Vernon Ave., awarded contract for erection of a wing addition to a mausoleum at 4370 Whittier Blvd. for Home of Peace Cemetery. It will be a 1-story structure, 20 feet high and covering a ground area of 24x70 feet, and will house a chapel. Reinforced concrete walls, roof and floor, interior and exterior waste mould work, steel sash, etc. Ernst Seiler, 5016 Hartwick St., structural engineer. The architectural plans were prepared by W. E. Allen. Work will be started at once.

BIDS WANTED

LUALUALEI, T. H.—Until June 13, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 7523 for constructing foundations for radio towers at Lualualei, T. H. Specifications obtainable from above office.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

WEST COAST POINTS.—The following submitted bids at code prices, time and place of delivery, to the Bureau of Supplies & Accounts, Washington, D. C., May 18, under Schedules 2223 and 2224, for furnishing motor gasoline for west coast delivery:

SCHEDULE 2223

Associated Oil Co., San Francisco; General Petroleum Corp., Los Angeles; Richfield Oil Co., Los Angeles; Rio Grande Oil Co., Los Angeles; Shell Oil Co., San Francisco; Standard Oil Co., San Francisco; Texas Co., New York City, and Union Oil Co., Los Angeles.

SCHEDULE 2224

Associated Oil Co., San Francisco; Richfield Oil Co., Los Angeles; Shell Oil Co., San Francisco; Standard Oil Co., San Francisco; Union Oil Co., Los Angeles.

BIDS OPENED

PANAMA CANAL ZONE.—Following bids received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., May 17, for furnishing:

(1) 1,000,000 gals. U. S. Govt. motor grade gasoline;

(2) (Alt.) 700,000 gals. delivered at Balboa;

(3) (Alt.) 300,000 gals. delivered at Cristobal.

Associated Oil Co., San Francisco, (1) $63,000.

Shell Eastern Petroleum Products, New York City, (1) $60,000; (2) $42,000; (3) $18,000.

Union Oil Co. of California, Los Angeles, (2) $49,000.

West Indian Oil Co., New York City (1) $56,200.

Atlantic Refining Co., Philadelphia, (1) $69,500.

CONTRACT AWARDED

BAKERSFIELD, Cal. — Golden Bear Oil Co. at $0.65 per bbl., awarded contract by the Bakersfield City Council, May 28, for furnishing road oil for use on the city streets during the period ending December 31, 1934. Bids were opened May 21.

CONTRACT AWARDED

RENO, Nev.—Hough Shade Corp., at $740.70 awarded contract by Post Office Supply Department for wood slat shades for the Reno post office. Proposal No. 1349.

CONTRACT AWARDED

CHEHALIS, Wash. — Shredwood Curtain Co., at $184.80 awarded contract by Post Office Supply Department for wood slat shades for the U. S. post office at Chehalis.

BIDS OPENED

LOS ANGELES, Calif. — California Portland Cement Co., Colton; Monolith Portland Cement Co., Monolith; Riverside Cement Co., Riverside, and Southwestern Portland Cement Co., Victorville, bidding jointly, submitted the only bid to the Metropolitan Water District at $1.43 per barrel, fob. cars shipping point, for furnishing 600,000 barels of Portland cement. An increase of $0.48 per barrel asked if furnished in sacks, $0.10 return on sacks.

June 5, 1934

CONTRACT AWARDED

CONTRA COSTA CO., Cal.—Hirt & Lloyd, Lafayette, at $1.80 submitted low bid and awarded contract by the Contra Costa County Board of Supervisors for furnishing 2,200 tons crushed rock for the San Pablo road.

The other bids were:

E. H. Higgins, Richmond.....$1.89
Parish & Gatto, Richmond..... 2.00

CONTRACT AWARDED

OAKLAND, Alameda Co., Cal.—Steel Tank & Pipe Co., 1100 Fourth St., Berkeley, at $153,325.30 awarded contract by East Bay Municipal Utility District for electric welded sheet pipe under Proposal L. S. 120.

Complete bids published May 25.

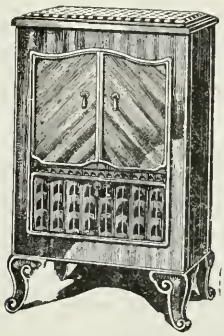
CONTRACTS AWARDED

OAKLAND, Alameda Co., Cal.—Rhodes & Jamieson, Standard and Webster Sts., Oakland, at $2190 awarded contract for furnishing 1000 bbls. Standard Portland cement and Rhodes & Kennedy, Oakland, at $2190 awarded contract for furnishing 1000 bbls. Early Hardening Portland cement by East Bay Municipal Utility District.

CONTRACT AWARDED

SAN LEANDRO, Alameda Co., Cal.—Calrock Asphalt Co., 525 Market St. San Francisco, at $4.24 per ton, submitted the only bid and awarded the contract by San Leandro City Council for furnishing natural rock asphalt for the balance of the fiscal year beginning June 6, 1934, and ending June 30, 1934; and for the year beginning July 1, 1934 and ending June 30, 1935.

SELF-LOCK ROOSHOR ADJUSTABLE
CUT LABOR COSTS
with
ROOSHORS AND
ROOS COLUMN CLAMPS
W. J. BURKE & CO.
Northern California Distributors
200 DAVIS STREET - Phone DOuglas 8590 - SAN FRANCISCO



ATLAS
CONSOLE ROOM HEATERS
Attractively finished in grained walnut porcelain enamel, cabinet—as beautiful as period furniture.
Now—you can heat your whole house with one fire. More convenient—less expensive than a separate heater in every room.
Circulates healthful, moist, warm air into every room. In a short time the whole house is heated to a comfortable temperature. Uniform temperature in every corner of the house
Atlas Heating & Ventilating Co., Ltd.
EVERYTHING IN HEATING
557-567 Fourth Street - 1451 32nd Street
SAN FRANCISCO
Phone OOuglas 3377
OAKLAND
Phone LAkeside 1266

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

NAVY DEPARTMENT

BREMERTON, Wash. — Until June 12, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, for furnishing 461 lighting fixtures under Requisition No. 71 NIRA. Delivery to Puget Sound Navy Yard at Bremerton. Specifications obtainable from the above.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and materials as follows:

GLASS, window and plate; East & West Yards. Sch. 2621; June 15.
MILLBOARD, asbestos paper, pipe covering, magnesia plaster; East & West Yards. Sch. 2620; June 15.
HOSE, cotton and rubber; East & West Yards. Sch. 2619; June 15.
LAMPS, adjustable portable electric; Mare Island. Sch. 2639; June 19.
PLUGS, attachment; Mare Island and Puget Sound. Sch. 2639; June 19.
GENERATORS, hand-driven testing, 10; Mare Island. Sch. 2649; June 19.
OAK, white; East and West Yards. Sch. 2650; June 19.
WOOD, templet; 15,000 feet; Mare Island. Sch. 2651; June 19.
PLANKING, cypress boat; Mare Island and Puget Sound. Sch. 2656; June 19.
GREASE, mineral and graphite lubricating; East and West Yards. Sch. 2663; June 19.
REDWOOD; East and West Yards. Sch. 2658; June 19.
LUMBER, pine; East and West Coast Sch. 2655; June 19.
LUMBER, box and crate; East and West Yards. Sch. 2661; June 19.
COMPOUND, rust preventive; East and West Yards. Sch. 2664; June 19.
BRICKS and blocks, diatomaceous earth; East and West Yards. Sch. 2666; June 19.

Specifications obtainable from the above office.

NEVADA COUNTY

GRASS VALLEY, Nevada Co., Cal. —Until June 12, 7:30 P. M., bids will be received by the Grass Valley city council for furnishing one new ½-ton pick-up truck for use by the street department.

Specifications obtainable from above office.

OAKLAND CITY

OAKLAND, Cal.—Until June 19, 4 P. M., bids will be received by John W. Edgemond, Secretary, Board of Education, Room 104, Administration Building, Oakland, for tools under Schedule No. 5. Specifications available from above office.

OAKLAND, Cal.—Until June 14, 9 P. M., bids will be received by the Oakland City Council for furnishing two coupes for the Oakland Fire Department.

OAKLAND, Cal.—Until June 14, 9 P. M., bids will be received by the Oakland City Council for furnishing

ness office of the district. J. W. Mays, Clerk.

1,000 barrels of 50-60 road oil for the City of Oakland.

BERKELEY CITY

BERKELEY, Cal.—Until June 12, 10 A M., bids will be received by Berkeley City Council for furnishing 2350 gallons, more or less, of lubricating oil for the City of Berkeley.

WAR DEPARTMENT

FORT MASON, Cal.—Until June 11, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-34-261 for furnishing two gasoline heavy duty type tractors, 50 h. p., and 1 crane heavy duty truck.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until June 11, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing lumber for the Board of Education; Bid No. 1212. Specifications obtainable from above.

MERCED COUNTY

MERCED, Merced Co., Cal.—Until June 11, 8 P. M., bids will be received by the Board of Trustees of the Merced Union High School for furnishing one 35-passenger school bus to be built upon a 1934 Ford truck chassis lengthened to approximately 211-in. wheelbase with a Fabco extension frame.

Specifications obtainable from principal of the high school.

N. S. Peck, clerk of the board.

CANAL ZONE

PANAMA CANAL ZONE — Until June 13, 10:30 A. M., bids will be received by A. L. Fling, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2967, for furnishing miscellaneous supplies and equipment including: Steel plates, manhole frames and covers; rigid conduit; rails, switches; frogs, compromise joints; railway bonds; Angle bars; friction plates; nut lock; current transformers fuses; sockets connecting wire; lead sleeving; solder; asbestos board; blades; connecting chain links; rim latches; tacks; shovels; hospital beds; wire brushes;folding rules; sheet celluloid; tires; inner-tubes; burlap and Marine gasoline engines.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

SAN LEANDRO CITY

SAN LEANDRO, Cal.—Until June 18, 4:30 P. M., bids will be received by the San Leandro City Council for furnishing and spreading oil on street surfaces for the year ending June 30, 1935.

Specifications obtainable from City Clerk E. F. Hutchings.

SAN LEANDRO, Cal.—Until June 18, 4:30 P. M., bids will be received by the San Leandro City Council, for furnishing rock and screenings for the year ending June 30, 1935.

Specifications obtainable from City Clerk E. F. Hutchings.

SANTA CLARA COUNTY

LAWRENCE, Santa Clara County. —Until June 8, bids will be received by the Board of Trustees of the Jefferson Union Elementary School District at Lawrence, Santa Clara County, for furnishing one Barshow and Baleria 55-63 passenger school bus body; and one Reo 2L school bus chassis.

Specifications obtainable from the above office. Joseph J. Duckgeischel, Clerk of the Board of Trustees.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until June 19, 5:30 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing 175,000 gallons emulsified asphalt to be delivered f.o.b. trucks, bidder's plant.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing one Barber-Green ditcher or equal with vertical boom mounted on crawler tread to handle excavating capacity of 18-in., 21-in. and 24-in. width of trench and eight feet, 3 -in. depth of trench. Power is to be supplied by a four-cylinder heavy duty engine at least 381 cu. in. piston displacement with five speed. Specification No. 535, available from above office. All bids to include sales tax.

FRESNO COUNTY

COALINGA, Fresno Co., Cal.—Until June 18, 5 P. M., bids will be received by the Coalinga City Council, E. J. McCroskey, City Clerk, for furnishing one one-man road maintainer, Caterpillar type, equipped with scarifier block, power control and pneumatic tires.

Specifications obtainable from above office.

PASADENA CITY

PASADENA, Cal.—Until June 16, 11 A. M., bids will be received by the Pasadena Board of Education, 320 E. Walnut St., Pasadena, for furnishing one Caterpillar tractor or one Cletrac No. 25 oil burning tractor, contingent upon the sale of one 2-ton Caterpillar tractor.

PASADENA, Cal.—Until June 16, 11 A. M., bids will be received by the Pasadena Board of Education, 320 E. Walnut St., for furnishing one 6-ton tandem roller, Galion or Austin, contingent upon the sale of one 1921 Fordson roller.

LOS ANGELES COUNTY

LANCASTER, Cal.—Until June 15, 7 P. M., bids will be received by the Antelope Valley Joint Union High School District, Lancaster, for one or more school busses in accordance with specifications on file at the busi-

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

SKAGIT and ISLAND COS., Wash. —Until June 19, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for constructing steel bridges over Deception and Canoe passes on the route of Secondary Road No. 9, PWA Project No. 6706, in Skagit and Island Counties, consisting of one cantilever span with a total length of 900 feet and one arch span with a total length of 450 ft. with 22-ft. roadway and two 3½-foot sidewalks, containing approximately:

(1) 3960 cu. yds. concrete;
(2) 1580 tons structural steel;
(3) 162 tons of reinforcing steel;
(4) other items.

Plans and specifications obtainable from the above upon a deposit of $2.

NOTICE TO BIDDERS

CALIFORNIA STATE.—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening June 20 and 27.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue prints of the bridge and layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on June 20 and 27.

(Opening June 20)

III-Col-7-C bet. Maxwell and Devan, Plans: (No. of sheets) 19 (cost) $.90; Cross-Sections, (No. of sheets) 4, (cost) $3.40; (total) $5.30.

III-Nev-38-B bet. ½ mile east of Hinton and Floriston, no plans or cross-sections.

VI-Ker-139 and 142 BCD between Rio Bravo and 0.5 mile south of Shafter and bet. Old Quarry and the westerly boundary of Sequoia National Forest, no plans or cross-sections.

(Opening June 27)

III-Yol-Sac-6-C, Sacramento bridge across Sacramento river at M Street, Sacramento, Plans: (No. of sheets), 12, (cost) $11.20; Cross-sections, (No. of sheets) 5, (cost) $0.50; (total) $11.-0.

Requests for plans, specifications and proposal forms must be addressed to the office of the State Highway Engineer's office, P. O. Box 1499 ,Sacramento.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

CONTRACT AWARDED

SAN JOSE, Cal.—Collins & Martin, 1139 Glenn Ave., San Jose, at $12,150 submitted low bid and awarded contract by the San Jose City Council for the construction of a reinforced concrete girder bridge on Fox Avenue over the Guadalupe River, in the City of San Jose.

Complete bids follow:

Collins & Martin, San Jose	$12,150
A. J. Raisch, San Jose	12,387
Carl N. Swenson, San Jose	12,475
F. O. Bohnett, Campbell	13,264
H. A. Bridges, San Jose	13,690
J. D. Carlson, San Jose	14,434

BIDS WANTED

YUBA COUNTY, Cal.—Until June 19, 10:30 A. M., bids will be received by C. H. Whitmore, District Engineer, Marysville Hotel, Marysville, for pier protection of a bridge on "D" Street over the Yuba River in Marysville.

The work consists of constructing 7 timber sheet piling cofferdams approximately 40 feet long and 7 feet wide, backfilling with gravel and capping with Portland cement concrete, involving:

(1) 53 MFBM treated Douglas fir select struct. grade sheet piling;
(2) 693 each driving treated Douglas Fir sheet piles;
(3) 7 MFBM treated Douglas Fir timber select struc. grade;
(4) 5 MFBM untreated Douglas Fir timber select do;
(5) 250 cu. yds. gravel backfill;
(6) 2500 lbs. hardware;
(7) 20 cu. yds. Class A Portland cement concrete.

Plans and specifications obtainable from above office.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $14,125.82 awarded contract by the Sacramento County Board of Supervisors for constructing a redwood trestle 418 ft. long with concrete deck timber bulkheads, on the Wilder Ferguson road over the Cosumnes river.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—M. A. Jenkins, 3560 Y St., Sacramento, at $15,561.18 awarded contract by the Sacramento County Board of Supervisors for constructing a redwood trestle 513 ft. long with concrete deck on the lower Stockton road at Benson' Ferry in Sacramento County.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal. — Campbell Constr. Co., 800 R St., Sacramento, at $11,561.40 awarded contract by the Sacramento County Board of Supervisors for constructing a redwood trestle 284 lin. ft. long with concrete deck on the Lower Marysville Road, 1½ mi. north of Sacramento.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

SACRAMENTO COUNTY, Call.—George W. Kopp, 1514 15th St., Sacramento, at $12,380 awarded contract by Sacramento County Board of Supervisors for construction of 481 lin. ft. of new timber deck on existing piles at South End of Fair Oaks Bridge at Fair Oaks.

Complete bids published May 22.

22—DREDGING HARBOR WORKS EXCAVATION

COMPLETE BID LISTING

NEWPORT BAY, Calif.—Rohl-Connolly Co., 4351 Alhambra Ave., Los Angeles, at $557,790, as previously reported, submitted low bid to the U. S. Engineer Office, Los Angeles, May 28, for the reconstruction, repairs and extension of jetties at the entrance to Newport Bay.

Total bids follow:

(A) Rohl-Connolly Co., Los Angeles (west jetty) $284,100; (east jetty) $273-690 (total) $557,790.

(B) Karl B. Kumpe, Ltd., Riverside $466,852; $390,506; $857,358.

West Jetty Extension—675 ft. Long

(1) 43,200 cu. yds. solid stone (exclusive of voids) Class B, furnish and place (A) $2.50; (B) $5.86.

(2) 75,500 tons Class C, furnish and place stone, (A) $2.20; (B) $2.52.

(3) 4,000 cu. yds. chinking stone, furnish and place, (A) $2.50; (B) $5.86.

East Jetty Extension—950 ft. Long

(1) 9,200 tons furnish & place Class C stone, (A) $2.20; (B) $2.52.

(2) 20,000 cu. yds. Class B solid stone (exclusive of voids) furnish and place (A) $2.50; (B) $5.86.

(3) 86,000 tons furnish and place Class A stone, (A) $2.20; (B) $2.52.

(4) 5,700 cu. yds. furnish and place chinking stone, (A) $2.50; (B) $5.86.

Engineer's estimate, $617,200.

The freight rates quoted by the railroads follow:

Southern Pacific Co.: A and B rock, 70c; B and chinking rock, 60c.

Pacific Electric Ry.: from Ormond, A and C rock 80c; B and chinking 70c; from Bly, same.

All bids held under advisement.

PLANNED

NEWPORT BAY, Cal.—Application has been made by Clarence G. White for War Department permit to reconstruct a ramp and float with concrete anchor piles and appurtenances to extend 38 feet beyond the combined pier head and bulkhead line, between U. S. Bulkhead Stations 113 and 114, in Newport Bay. Drawings showing the location and plan of the proposed construction may be seen at the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until June 11, 11 A. M. H. H. Stickney, Major, Corps of Engineers, District Engineer.

CONTRACT AWARDED

COWLITZ RIVER, Wash.—Portland Dredging Co., Lewis Bldg., Portland, at $10,200 awarded contract by the U. S. Engineer Office, Portland, for grading and riprapping with stone about 1,000 lin. ft. of the left bank of the Cowlitz River at a point 1.5 miles above its mouth.

CONTRACT AWARDED

YOLO and Colusa Cos., Cal.—Lord & Bishop, Native Sons Bldg., Sacramento at $2.90 per ton (total $34,800)

awarded contract by U. S. Engineer Office, Sacramento, for furnishing and placing stone embankment at various locations on the Sacramento river.

CONTRACT AWARDED

RICHMOND, Contra Costa Co., Cal. —Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at $17,920 awarded contract by the U. S. Engineer Office, Customhouse, San Francisco, for furnishing and placing 8,000 tons of stone on the training wall in Richmond Harbor.

PERMIT ASKED

AVALON, Cal.—Applicaion has been made by Santa Catalina Island Company for War Department permit to construct three stone jetties, one to extend 85 ft. and each of the others to extend 200 ft. into San Pedro Channel from the east short of the Island north of Sugar Loaf Point, near Avalon, Santa Catalina Island. Drwaings showing the location of the plan of the proposed jetties may be seen in the U. S. Engineer Office, 751 South Figueroa St., Los Angeles, until June 11, 11 A. M., or at the office of the company at Avalon.

Major H. H. Stickney, District Engineer.

23— IRRIGATION PROJ.

June 5, 1934

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during month of May, 1934:

7925 (Sutter County) Reclamation Dist. 833, Gridley, for 12.2 c.f.s. from Butte Creek tributary to Sacramento river. To be diverted for irrigation purposes on 648 acres. Est. cost, $500.

7926 (Shasta County) H. C. Crofoot, Igo, for 70 c.f.s. from Boulder, Brandy, Lower Boulder, Kanaka and South Fork Clear Creeks tributary to Sacramento River. To be diverted for mining purposes.

7927 (Plumas County) W. I. Nelson and J. W. McKay, Crescent Mills, for O. 115 c.f.s. from Deadwood Creek tributary to Spanish Creek. To be diverted for mining and domestic purposes. Est. cost, $100.00.

7928 (Trinity County) A. C. Norton and C. H. Barkdall, 188 Tamalpais Road, Berkeley, for 150 c.f.s. from Stuarts Fork, Deep Creek, Rush Creek, tributary to Trinity River. To be diverted for mining purposes.

7929 (San Bernardino County) John R. Beaver, Lucerne Valley, Calif., for 0.25 c.f.s. from Red Arrow Springs tributary to Mojave Desert. To be diverted for irrigation and domestic purposes on 2½ acres. Est. cost, $500.00.

7930 (Placer County) American Mining Company, c/o G. H. Canfield, 1015 Central Bank Pldg., Oakland, for 25 c.f.s. from Humbug Creek tributary to North Fork American River. To be diverted for mining purposes.

7931 (Sierra County) Gibsonville Townsite Gold Mining Co., c/o S. O. Mitchell, Woodleaf, for 30 c.f.s. from Little Slate Creek tributary to Slate Creek and North Fork Yuba River. To be diverted for mining purposes.

7932 (San Diego County) Coleman M. Gray, Pala, for 10,800 gallons per day from a well tributary to San Luis Rey watershed. To be diverted for irrigation and domestic purposes on 6 acres. Est. cost $500.

7933 (Humboldt County) Eliza J. Wheat, McCann, for 2 c.f.s. from Eel River tributary to Pacific Ocean. To be diverted for irrigation purposes on 55 acres. Est. cost $500.

7934 (San Luis Obispo County) U. S. Santa Barbara National Forest, Santa Barbara, for 0.01 c.f.s. and 2 acre feet per annum from Branch of East Fork of Morro Creek tributary to Morrow Creek. To be diverted for recreational purposes. Est. cost $600.

7935 (El Dorado County) H. P. Moulton, Placerville, for 0.1 c.f.s. from Big Canyon Creek tributary to South Fork American River. To be diverted for mining and domestic purposes. Est. cost $100.

7936 (El Dorado and Placer Counties) Department of Finance, State of California, Sacramento, for 2500 c.f.s. and 831,000 acre feet per annum from North Fork American Riiver tributary to American River. To be diverted for power purposes. 128,000 t.h.p. to be developed.

7937 (El Dorado and Placer Counties) Department of Finance, State of California, Sacramento, for 813,000 acre feet per annum from North Fork American River tributary to American River. To be diverted for irrigation, domestic, saline and flood control and navigation purposes. 2,500,000 acres to be irrigated.

7938 (El Dorado County) Department of Finance, State of California, Sacramento, for 2500 c.f.s. and 1,050,000 acre feet per annum from South Fork American River tributary to American River. To be diverted for power purposes. 109,000 t.h.p. to be developed.

7939 (El Dorado County) Department of Finance, State of California, Sacramento, for 1,050,000 acre feet per annum from South Fork American River tributary to American River. To be diverted for irrigation, domestic, saline and flood control and navigation purposes.

7940 (Sacramento County) Department of Finance, State of California, Sacramento, for 5,000 c.f.s. from American River tributary to Sacramento River. To be diverted for irrigation, domestic, saline and flood control and navigation purposes.

7941 (Placer County) J. H. Stephens, Sacramento, for 115 c.f.s., and 16,000 acre feet per annum from Monumental Creek and 9 other sources tributary to North Fork of North Fork of American River. To be diverted for mining purposes.

7942 (Santa Cruz County) Theodore J. Hoover, Standford University, for 2.2 c.f.s. and 100 acre feet per annum from Waddell Creek, tributary to Pacific Ocean. To be diverted for irrigation purposes on 173.5 acres. Est. cost $25,000.

7943 (Plumas County) Green and Green, Blairsden, for 5,000 gallons per day from Little Gray Eagle Creek tributary to Gray Eagle Creek. To be diverted for domestic purposes. Est. cost $500.

7944 (Yuba County) Emma A. Ford, Walnut Creek, for 16,000 gallons per day from Mosquito Creek tributary to Oregon Creek. To be diverted for domestic purposes. Est. cost $125.

7945 (Sierra County) J. I. McCullough, c/o Geo. F. Taylor, Downieville, for 60 c.f.s. from Canyon Creek and 10 ravines tributary to Yuba River. To be diverted for mining purposes.

7946 (Humboldt County) Harry M. Payton, Hydesville, for 0.62 c.f.s. from Emery Creek tributary to Laribee Creek. To be diverted for irrigation and domestic purposes. Est. cost $80.

7947 (Tulare County) Wm. R. Osborn, Springsville, for 7,500 gallons per day from a spring tributary to North Fork of Tule River. To be diverted for irrigation and domestic purposes.

7948 (Riverside County) Regents of the University of California, Berkeley, for 0.5 c.f.s. from surface drainage from an artificial water course tributary to Spring Brook thence Santa Ana River. To be diverted for irrigation purposes on 560 acres. Est. cost $1,000.

7949 (Los Angeles County) U. S. National Forest, Los Angeles, for 0.003 c.f.s. from Rock Spring tributary to Pine Canyon. To be diverted for domestic and fire suppression purposes. Est. cost $400.

7950 (Los Angeles County) U. S. National Forest, Los Angeles, for 0.002 c.f.s. from Bear Spring tributary to Santa Clara River. To be diverted for fire suppression purposes. Est. cost $50

7951 (Sierra County) W. R. McKenzie, 238 S. Poinsetta Place, Los Angeles, for 3 c.f.s. from Sebastopol Springs and W. Branch of North Fork of North Fork of Yuba River, tributary to Yuba River. To be diverted for mining and domestic purposes. Estimated cost $3,000.

7952 (San Joaquin County) City of Stockton, Stockton, for 0.004 c.f.s. from an unnamed creek tributary to Silver Fork of American River. To be diverted for power purposes.

7953 (Mendocino County) Department of Natural Resources, Division of Forestry, Sacramento, for 0.001 c.f.s. from unnamed spring tributary to Mill Creek. To be diverted for domestic purposes.

7954 (San Diego County) Morton B. Machamer, Fallbrook, for 2.5 cubic feet per second from San Dia Creek tributary to Santa Marguerita River. To be diverted for irrigation purposes on 100 acres. Est. cost $2,500.

7955 (San Diego County) John A. Marchant, South Pasadena, for 2.5 c.f.s. from San Dia Creek tributary to Santa Marguerita River. To be diverted for irrigation purposes on 91 acres. Est. cost $3,000.

7956 (Siskiyou County) C. T. Phillips, Yreka, for 0.025 c.f.s. from a spring tributary to McKinney Creek. To be diverted for mining purposes. Est. cost $25.

7957 (El Dorado County) Chas. O. Dorman, Georgetown, for 3 c.f.s. from Little Otter Creek tributary to Otter Creek and Middle Fork American River. To be diverted for mining purposes. Est. cost $200.

7958 (Sierra County) D. A. Hatfield, Downieville, for 5 c.f.s. from Hungry Mouth Creek and springs tributary to North Fork of Yuba River. To be diverted for mining purposes. Est. cost $5,000.

7959 (Amador County) Rudolf Moar, Pine Grove, for 1 c.f.s. from Pioneer Creek tributary to Sutter Creek. To be diverted for mining and domestic purposes. Est. cost $600.

7960 (Amador County) Raymond Silva, Sacramento, for 270,000 acre feet per annum from Cosumnes River tributary to Mokelumne River. To be diverted for municipal purposes in Sacramento and vicinity. Est cost $5,700.

7961 (Amador County) Raymond Silva, Sacramento, 270,000 acre feet per annum from Cosumnes River tributary to Mokelumne River. To be diverted for power purposes. 13,360 t.h.p. to be developed.

PERMITS ISSUED

SACRAMENTO, Calif. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of May, 1934:

4317, Application 7813 (Los Angeles county) issued to U. S. Angeles National Forest, Los Angeles, May 1, 1934, for 3200 gals. per day from Atmore Meadow Spring, for fire suppression and stockwatering purposes. Estimated cost, $100.

4318, App. 7816 (Shasta county) Albert Cox, Big Bend, May 1, for 0.56 cu. ft. per second from Nelson Creek for domestic purposes and irrigation of 45 acres.

4319, App. 7855 (Shasta Co.) J. F.

Young, Dunsmuir, May 4, for 0.025 cu. ft. per second from unnamed spring for domestic purposes and irrigation of 20 acres. Estimated cost, $450.

4320, App. 7789 (Siskiyou Co.) David M. Huey, Happy Camp, May 5, for 3.0 cu. ft. per second from east fork Indian Creek for power purposes. Estimated cost, $4000.

4321, App. 7872 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, May 7, for 0.025 cubic foot per second from Icy Springs Creek, for recreational purposes. Estimated cost. $2700.

4322, App. 7873 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, May 7, for 0.002 cubic foot per second from Spring Camp spring for domestic, fire prevention and suppression purposes. Estimated cost, $5.00.

4323, Ap. 7775 (Monterey Co.) John and Mary D. O'Shea, Carmel, May 9, for 0.05 cubic foot per second from an unnamed stream for domestic purposes and irrigation of 2 acres.

4324, App. 7650 (El Dorado County) Lewis O. Griffith, Placerville, May 9, for 0.025 cubic foot per second from an unnamed spring for domestic purposes. Estimated cost, $300.

4325, App. 7750 (Mono County) F. J. and N. B. Penney, Mammoth Lakes, May 10, for 500 gallons per day from Mammoth Creek for domestic purposes. Estimated cost, $150.

4326, App. 7773 (Kern County) W. H. Cadby, Bakersfield, May 10, for 3 cubic feet per second total from Davis and Greenhorn gulches, for mining purposes. Estimated cost, $50.00.

4327, App. 7867 (Mariposa County) Estelle I. Fraser, Coulterville, May 11 for 1.0 cubic foot per second from North Fork Merced river, for mining purposes.

4328, App. 7603 (Tuolumne County) F. G. Wilbur, Modesto, May 11, for 0 cubic foot per second total from five Mile creek and an unnamed creek for power and domestic purposes. Estimated cost, $100.00.

4329, App. 7108 (Lake County) Edmund Robinson, Lucerne, May 12, for 01 cubic foot per second from an unnamed spring for domestic purposes.

4330, App. 7803 (Humboldt Co.) Wm. Van Fleet, San Francisco, May 14, for 0.10 cubic foot per second from Bark Gulch for domestic and fire protection purposes and irrigation of 12 acres. Estimated cost, $2000.00.

4331, App. 7866 (Mendocino County) Gilbert Gardella, San Francisco, May 5, for 0.087 cubic foot per second from Big Dann Creek, for domestic purposes and irrigation of five acres. Estimated cost, $500.

4332, App. 7754 (Siskiyou Co.) C. Broadwater, Piedmont, May 21, for cubic feet per second from China Creek, for mining purposes. Estimated cost, $6000.

4333, App. 7823 (Tehama Co.) U. S. Lassen Volcanic National Park, Minaal, May 21, for 6.45 cubic feet per second from Battle Creek for power purposes. Estimated cost, $9280.00.

4334, App. 7870 (Siskiyou Co.) Harry Dimmick, Sawyers Bar, May 22, for cubic feet per second from East Fork Whites Gulch, for domestic and power purposes.

4335, App. 7888 (Humboldt Co.) Division of Highways, Sacramento, May for 5,000 gallons per day from the named spring for recreational purposes. Estimated cost, $250.00.

4336, App. 7822 (San Diego Co.) Hill Stevenson, Vista, May 24, for 0.40 cubic foot per second from Buena Creek, for domestic purposes and irrigation of 30 acres. Estimated cost, $0.00.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Calif.—The following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 749, 207 S. Broadway, for furnishing 18 outdoor type, 20,000 - volt potential transformers under Spec. No. 1430:

General Electric Co., (1) fob cars bidder's shipping point, $39,558 (less oil) $37,542; (2) fob cars power spur No. 1, A. T. & S. F. Ry., $40,370 (less oil) $38,084; (3) fob cars bidder's shipping point, full freight allowed to power spur No. 1, A. T. & S. F. Ry., $40,370 (less oil) $38,084.

General Electric Co. (alternate bid) (1) $38,358 (2) $39,150 (3) $39,150.

Westinghouse Electric Co., (1) $39,558 (2) $40,370 (3) $40,370.

Allis-Chalmers Mfg. Co., (1) $39,558 (2) $40,370 (3) no bid.

CONTRACT AWARDED

BURLINGAME, San Mateo Co., Cal. —Miller & Higginton, 1729 98th Ave., Oakland, at $1.56 per hour, submitted low bid and awarded contract by W. F. Holbrook, Maintenance Superintendent, Burlingame, for the rental of three 2-cubic yard capacity dump trucks to be used in the vicinity of Burlingame.

Complete bids follow:

Miller & Wigginton, Oakland	$1.56
Daniel Gallagher, S. F.	1.60
Rock & Gravel Co., Oakland	1.62
Garcia Const. Co., Irvington	1.65
Hyman Rosenberg, S. F.	1.70
M. Bertolino, S. F.	1.74
Truck Cont. & Equip., Oakland	1.75
Geo. Wyant, San Mateo	1.75
San Bruno Ave. Feed & Fuel Co., San Francisco	1.8125
D. M. Fahey, Daly City	1.85
W. O. Tyson, Redwood City	1.875
Sibley Grading & Teaming, S. F.	2.43

BIDS OPENED

SAN BERNARDINO, Cal.—Following bids received by the State Bureau of Purchases, State Capitol, Sacramento, under Req. 1409, Quotation 46696, for furnishing one 35 H. P. tracklaying tractor f.o.b. San Bernardino

Crook Co., Los Angeles (Model) Allis-Chalmer K, (List) $2697.50; (Allow) $150; (Net) $2547.50; (Discount) 2% 30 days.

Freeland Tractor Co., Caterpillar 35; $2697.50; $150; $2547.50; 2% 30 days

Smith Booth Usher, Los Angeles, Cletrac 35; $2686.50; (allow) —; (net) ——; $186.38 30 days.

J. D. Adams Co., San Francisco, TA 40 Tractor, McCormick Deering, $2806.50; $200; ...2606.50; 10% 30 days.

Smith Booth Usher will purchase the old Bates "35" tractor CHC 516, for $310.

BIDS OPENED

BAKERSFIELD, Cal. — Following bids received by the Bakersfield City Council, May 28, for furnishing one motor-powered grader for the street department:

Smith Booth Usher Co., Galion, 1st alt., $3821.50; 2nd alt. $3421. Dual drive: 1st alt., $4377.50; 2nd alt. $3887.

Cousins Tractor Co., Bakersfield, Caterpillar, 1st alt., $3866; 2nd alt. $3261.25.

A. H. Karps, Bakersfield, Austin, dual drive, 1st alt., $4377.50; 2nd alt., $3915.25; single drive ,6-cyl., 1st alt., $3921.50; 2nd alt., $3449.25.

C. L. Stancliff, Wehr, 1st alt. $3586.50; 2nd alt., $3254.

Bevis Machinery Co., Los Angeles; Adams, 1st alt., $3821.50; 2nd alt. $3421.

Hartman Tractor Co., Bakersfield; Allis-Chalmers, 2nd alt., $3327.

All bids referred to City Engineer J. Holfelder, for one week.

BIDS OPENED

SAN LUIS OBISPO, Calif.—Following bids received by the State Bureau of Purchases, State Capitol, Sacramento, under Req. 8813, for furnishing a tractor fob San Luis Obispo:

Luke & Livingston, Santa Maria, Cat gas engine, $2,628.64; Cat. Diesel engine, $3388.65.

Farmer Hardware & Implement Co., $2,650; discount 5%, 30 days, $2,536.

E. C. Livingston Equip. Co., Allis-Chalmers, $2,475; 2% 30 days.

Smith, Booth, Usher, Cletrac, $2,697.50; discount, $186.38, 30 days.

J. D. Adams Co., McCormick-Deering, $2,791.50; discount 15%, 30 days.

26— RAILROADS

COMPLETE BIDS

SKAMANIA COUNTY, Wash. — P. L. Crooks & Co., Inc., Henry Bldg., Portland, at $339,395, as previously reported, submitted low bid to the U. S. Engineer's Office, 306 Customhouse, Portland, for relocating and reconstructing a portion of the Spokane, Portland & Seattle Railway Company's track and operating facilities between its mile posts 45 and 51, east of Portland, to accommodate the construction of the Bonneville Power and Navigation Project.

Complete bids follow:

P. L. Crooks & Co., Inc., $339,395.00.

L. Romano Engineering Corporation, Seattle, $384,680.00.

Myers & Goulter, Seattle, $389,101.00.

Columbia Construction Co., Portland, $394,926.00.

C. T. Malcom & Co., Portland, $400,935.00.

Atkinson Kier Co., S. F., $423,745.00.

Alex Besoloff Co., Seattle, $425,587.75.

Clifton & Applegate, Spokane, $437,830.00.

Guthrie McDougall Co., Portland, $438,560.50.

Joplin & Eldon, Portland, $460,566.00.

General Construction Co., Seattle, $462,769.50.

Sam Orino, Spokane, $497,420.00.

Engineer's Estimate, $467,529.00.

All bids under advisement.

CONTRACT AWARDED

SAN FRANCISCO. — Pacific Coast Steel Corp., 20th and Illinois Streets, awarded contract by T. A. Brooks, Purchasing Agent, City Hall, under Bid No. 1188, for furnishing rail crossing, switch, mate, frog, spring box, etc.

27—FIRE ALARM SYSTEM

PROSPECTIVE BIDDERS

WALLA WALLA, Wash.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Veterans' Administration, Washington, D. C., on June 12, for constructing revisions to street lighting and fire alarm systems at the Veterans' Administration Facility, Walla Walla, Project No. 825:

City Electric and Fixture Co., 216 James St., Seattle.

NeFage-McKenny Co., 804 6th Ave. S., Seattle.

Noland Electric Co., Walla Walla.

E. D. Bullard Co., 276 8th St., San Francisco.

30—RESERVOIRS & DAMS

AWARD

BONNEVILLE, Oregon — Columbia Construction Co., 1522 Latham Square

Bldg., Oakland, at $8,972,650 awarded contract by the U. S. Engineer Office, Customhouse, Portland, for the construction of the main spillway dam of the Bonneville Power and Navigation Project.

Complete bids published May 26.

PLANNED

COCHISE COUNTY, Ariz.—The bill to authorize appropriation of $1,200,000 for construction of a dam in the San Pedro river valley at or near Charleston, Cochise county, or at any suitable place in the San Pedro Valley, has been approved by the Senate Irrigation Committee. The bill originally provided $2,800,000 for the work. The proposed dam is for flood control, irrigation and reclamation, development of electric power and prevention of soil erosion.

BIDS OPENED

FORT PECK, Montana. — Addison Miller, Inc., 1111 Builders Exchange, and Fielding and Shepley, Inc., 814 Guardian Bldg., St. Paul, Minn., at $1,292,320 submitted low bid to the U. S. Engineer's office, 707 Postal Telegraph Bldg., Kansas City, Mo., for overburden excavation and stripping at the Fort Peck Dam Site, Fort Peck, Mont. Complete bids follow:

Addison Miller, Inc., and Fielding and Shepley, St. Paul, $1,292,320.

Utah-Bechtel-Morrison, Inc., Odgen, Utah, $1,398,100.

Martin Wunderlich, 219 E. High St., Jefferson City, Mo., $1,492,236.

Edward Peterson, 811 W. O. W. Bldg., Omaha, Nebraska, $1,599,820.

Perry McGlone Construction Co., Kansas City, Mo., Chernus Construction Co., Jefferson City; Clark, Kearney & Stark, Jefferson City; and Mike Haase, St. Joseph, Mo., $1,931,100.

Foley Bros., Inc., 900 New York Bldg., St. Paul, and C. F. Lytle Construction Co., 504 Nebraska St., Sioux City, Iowa, $2,014,740.

W. A. Ross Construction Co., 908 West 25th St., Kansas City, Mo., $2,058,200.

Silas Mason Co., Inc , 500 Fifth Ave., New York, and Walsh Construction Co., Davenport, Iowa, $2,584,640.

BIDS WANTED

BONNEVILLE, Ore.—Until June 12, 3 P. M., bids will be received by the U. S. Engineer Office, 206 Customhouse, Portland, under Bid No. 34-727 for exploration drilling of about 38 holes, aggregating about 4,000 ft., at or near the site of the Bonneville Power and Navigation Project on the Columbia River, 42 miles east of Portland.

Specifications obtainable from the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Block, Portland.

31—PIPE LINES & WELLS

AWARD

FORT HUACHUCA, Ariz. — Pratt-Gilbert Hardware Co., S. Seventh and Grant Sts., Phoenix, Arizona, at $3369 awarded contract by the Army Constructing Quartermaster, for furnishing and installing well pump and surface booster pump at Fort Huachuca.

CONTRACTS AWARDED

SAN FRANCISCO—John Bean Mfg. Co., San Jose, at $1551.40 awarded contract by the Constructing Quartermaster, Fort Mason, for furnishing and installing one deep well motor driven pump at the San Francisco Presidio.

The contract for drilling the well was awarded to J. B. Rodgers, 110 Sutter St., at $1490, previously noted.

BIDS OPENED

STOCKTON, San Joaquin Co., Cal. —George M. Clark, Mariposa Road, Stockton, at $1,272.50 submitted low bid to the State Department of Public Works, Sacramento, for drilling a water well for the highway office building to be located on NE Center and Rose Sts., Stockton. R. L. Norris, Sacramento, at $1,568 submitted the only other bid. Both bids held under advisement.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

PASADENA, Cal.—Until June 20, 11 A. M., bids will be received by the Pasadena City Directors for furnishing air-gas heat exchanger for the sewage disposal plant to oxidize gas at 1400 degrees F. Bids to be taken as follows:

(1) one high temperature air-gas exchanger, steel supporting members, dust floor valves and appurtenances, delivered, including cost of supervision of erection;

(2) assembling and erecting above;

(3) one low temperature air-gas exchanger, etc., as in (1);

(4) assembling equipment in item (3).

Estimated cost, $15,000 to $21,000. Plans and specifications are obtainable from above. Harvey W. Hincks, city engineer; Bessie Chamberlain, city clerk.

BIDS WANTED

SAN FRANCISCO. — Until June 13, 2:30 P. M., bids will be received by S. J. Hester, Deputy Director, Department of Public Works, Room 251, City Hall, for the construction of a sewer and appurtenances in Visitacion Valley from Schwerin Street to Sunnydale Ave. and Talbert St.

The work involves:

(1) 694 lin. ft. 3 ft. 6 in. x 5 ft. 3 in. reinforced concrete sewer;
(2) 1,273 lin. ft. 3 ft. x 4 ft. 6 in. reinf. concrete sewer;
(3) 1 reinforced concrete taper struc.;
(4) 1 reinforced conc. junction struc.;
(5) 1 timber intake structure;
(6) 7 brick or concrete manholes on reinforced concrete sewer;
(7) 60 lin. ft. 10-in. VCP culvert in place;
(8) 1 storm water inlet with back water valve.

Estimated cost, $35,000. The work will be financed by the $2,625,000 PWA allotment, for which bonds were voted Nov. 7, 1933.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10.00.

BIDS WANTED

SAN FRANCISCO. — Until June 13, 2:30 P. M., bids will be received by S. J. Hester, Deputy Director, Department of Public Works, Room 251, City Hall, for the construction of a sewer and appurtenances in Sixteenth St. from Shotwell to Harrison St.

The work involves:

(1) 1,050 lin. ft. 5-ft. circular reinf. concrete sewer;
(2) 11,830 lin. ft. piles below cut-off;
(3) 1 taper structure of reinf. concrete sewer;
(4) 7 manholes on reinf. conc. sewer;
(5) 1,050 lin. ft. 10-in. VCP underdrain, covered with concrete or embedded with broken riprap;
(6) 12,500 sq. ft. 2-in. asph. concrete wearing surface;
(7) 200 tons binder course.

Estimated cost, $43,000. The work will be financed by the $2,625,000 PWA allotment, for which bonds were voted Nov. 7, 1933.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10.00.

BIDS WANTED

BRITTAN ACRES, San Carlos, Cal. —Bids are being taken for sewer work in Brittan Acres subdivision, San Carlos. Specifications may be obtained from John W. Rutherdale, Brittan Acres sales agent, 1250 San Carlos Ave., San Carlos.

33—WATERWORKS

COMPLETE BIDS

LOS ANGELES, Calif.—Chicago Bridge & Iron Works, 1700 Walnut St., Philadelphia, at $10,420 (as previously reported) submitted low bid to Veterans' Administration, Washington, D. C., for the construction of a steel water tank at the Veterans' Administration Facility, Los Angeles.

Complete bids follow:

Chicago Bridge and Iron Co., Philadelphia	$10,420
Consolidated Steel Corp., L. A.	10,900
Lacy Mfg. Co., Los Angeles	10,985
Minneapolis - Moline Implement Co., Los Angeles	11,364
McClintic-Marshall Corp., Bethlehem, Pa.	12,000
Western Pipe & Steel Co. of California	12,300
Pittsburgh - Des Moines Steel Co., Pittsburgh	12,658
S. W. Welding Mfg. Co., Inc., Alhambra, Calif.	16,604

TO ASK BIDS

LOVELOCK, Nevada—Bids will be asked shortly by the City of Lovelock, Nevada, for extensions to the water system. The work will include the replacement of approximately 73,000 ft. of wood stave pipe with wrapped steel pipe and the installation of an auxiliary well, and involves approximately 6000 ft. of 6-in. and the balance of 8-in. pipe.

King & Malone, 29 E. First Street, Reno, are the engineers.

The work will be financed out of an allotment of $106,000 from the PWA. The city voted bonds to secure the loan and grant.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —Western Pipe & Steel Co., 444 Market St., San Francisco, at $855.28 was awarded contract by the Constructing Quartermaster, Hamilton Field, for furnishing four air receiver tanks, 4½-in. safety valves; four double spring air gauges, four 2-in. check valves; four ¾-in. globe valves for Hamilton Field.

CONTRACT AWARDED

STOCKTON, Cal.—C. C. Moore & Co., 450 Mission St., San Francisco, at $14,309 awarded contract by the San Joaquin County Board of Supervisors for the construction of a 4 drum Sterling, or equal, water tube boiler.

BONDS APPROVED

DOS PALOS.—Voters of Dos Palos and vicinity approved formation of a water district and a proposed $25,000 bond issue to finance improvements.

George B. Smith, supervisor.

CONTRACT AWARDED

FT. PECK, Mont.—Gjellefald Const. Co. Forest City, Iowa, at $162,875.95, awarded contract by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of a water filtration plant and intake at the site of the proposed Fort Peck construction camp.

BIDS OPENED

SAN FRANCISCO.—California Steel Products Co., 490 Bay St., at $169.00 submitted low bid to the Department of Public Works, S. J. Hester, Deputy Director, Room 251, City Hall, for removing 132 ⅝-in. brass tubes approximately 6 ft. long from fed water heat-

er at Civic Center power house. Remove the heads from this heater and soak them in chemical to remove all oil deposit, furnish and install a new set of tubes, and tighten at the required pressure. Theodore H. Smith, at $167, and Ocean Shore Iron Works, at $275, submitted the only other bids.

BIDS WANTED

LOS ANGELES, Cal.—Until June 11, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction and operation of plant and distribution system for applying water to face of San Gabriel Dam No. 2. The work involves:
(1) lump sum, Plant No. 1;
(2) lump sum, Plant No. 2;
(3) lump sum, Plant No. 3;
(4) lump sum, Plant No. 4;
(5) 22,000 cu. ft. spreading water on downstream face of dam;
(6) do on upstream face;
(7) 4,000,000 cu. ft. water pumped from Plant No. 3;
(8) 5,000,000 cu. ft. water pumped from Plant No. 4;
(9) 35,000 sq. ft. remove facing slab No. 1;
(10) 22,000 sq. ft. do. slab No. 2;
(11) 7,000 sq. ft. do. slab No. 3;
(12) 2,000 sq. ft. do. slab No. 4;
(13) 25,000 sq. ft. remove sub-slab;
(14) 5,000 lin. ft. drill holes, 1½-inch diamenter.

The Board of Supervisors has authorized E. C. Eaton, Los Angeles County Flood Control Engineer, 205 S. Broadway, to submit a sealed bid. The previous low bid was submitted by George Hess, Los Angeles, at $64,390.

Plans and specifications obtainable from the above. Mame B. Beatty, clerk of the board.

BIDS WANTED

LAS VEGAS, Nevada—Until July 5, 2 P. M., bids will be received by Wm. L. Scott, County Clerk of Clark County, at Las Vegas, Nevada, for furnishing: Pipe, valves, pipe fittings, and water meters as follows:
(1) 3000 ft. 3-in. CIP (threaded joint)
(2) 4 3-in. C. I. gate valves;
(3) 2 3-in. galvanized gate valves;
(4) 2 3-in. 45-deg. lateral wyes, gals.;
(5) 3 3-in. 45-deg. elbows;
(6) 1 3-in. by 2-in. reducer;
(7) 1 3-in. union flange screw, galv.;
(8) 1 meter with spigot flanges.

Specifications obtainable from above office.

BIDS WANTED

LOS ANGELES, Cal.—Until June 20 10 A. M., bids will be received by the Los Angeles Board of Public Works for the construction of the Harris Place and Terminal Way force main sewers (Terminal Island, San Pedro) in Terminal Way, between a point 230 feet southwesterly from Ferry Street and a point 90 ft. westerly from Dock St. and Harris Place, between Seaside Ave. and Terminal Way. Bids will be taken as follows:

Unit No. 1 (a):

1 (a) Construction of a centrifugal concrete pipe force main sewer, including surfacing and all required resurfacing.

Alternate for item 1 (a): 1 (b) This is approximately identical with 1 (a) except that the centrifugal concrete pipe becomes cast iron pipe.

(2) This item is identical with item 1 (b) except that the joints of cast iron pipe shall be made of lead.

The work involves:
(1-a) 7269.18 lin. ft. centrifugal concrete pipe;
178.52 lin. ft. 20-in. centrifugal concrete pipe on curves;
(1-b) 7451.80 lin. ft. 20-in. cast iron pipe.

Specifications obtainable from above office.

34—PARKS AND PLAYGROUNDS

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—The following have procured plans for the purpose of submitting bids to the Veterans' Administration, Arlington Bldg. Washington, D. C., on June 26, for constructing lawn sprinkling system at the Veterans' Administration Facility. Los Angeles:

Thos. L. Dawson Co., 2035 Washington St., Kansas City, Mo.

Johnson & Davis Plumbing & Heating Co., 2235 Arapahoe St., Denver.

J. L. Powers, 227 E. Main Street, Bennettsville, S. C.

Haydon Long, 333 E. First St., Salt Lake City, Utah.

A. H. Walsh Plbg. Co., 1120 2nd Ave., Salt Lake City, Utah.

Taylor & Moody, Maywood, Calif.

Carl Pieper, 1740 Jefferson St., Salt Lake City, Utah.

Mullermist of Illinois, Inc., 1127 Clinton Ave., Oak Park, Ill.

K. & P. Plbg. & Htg. Co., 2036 S. 11th E St., Sals Lake City.

Brooks of Calif., Inc., 142 S. La Brea St., Los Angeles.

Munz & Munz, 18706 Woodward Ave. Detroit, Mich.

Christenson-Gardner Inc., Salt Lake City, Utah.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

IMPERIAL COUNTY, Cal.—Square Oil Co., 916 Adobe St., Los Angeles, at $8338 awarded contract by State Highway Commission, Sacramento, for highway oiling on 38.9 miles in Imperial County, between Bond's Corner and Niland.

Complete bids published June 1.

CONTRACT AWARDED

GLENDALE, Cal.—Hill Bros. Chemical Co., 2159 Bay St., Los Angeles, at $10.90 per ton (using chemical treatment) submitted low bid and awarded contract by the Glendale Board of Education May 28, for furnishing and applying a dust palliative for sanitation and dust control on the surface of various Glendale school grounds in such quantities and manner as the business manager may direct. Deliveries are to be made in not less than 4-ton loads.

Saline Products Co. bid $13 per ton. Identical bids at $13.97 per ton for oil treatment were submitted by the following Gilmore Oil Co., Graham Bros., Richfield Oil Co., Lambs Transfer Co. and Standard Oil Co.

CONTRACT AWARDED

ARIZONA STATE.—W. E. Hall Co., 1025 Westminister St., Alhambra, at $68,812 awarded contract by the Arizona State Highway Commission at Phoenix for highway construction on the Holbrook-St. Johns Highway, N. R. H. 78-E. The work is to begin about 25 miles southeast of Holbrook and is to extend southeast about 7.4 miles, and consists of grading, draining and placing select material.

PLANNED

ALVISO, Santa Clara Co., Cal.—The Alviso City Council contemplates paving several streets and has appointed a committee to obtain estimates on the cost.

CONTRACT AWARDED

ST. JOHNS, Arizona — Lee Moor Contracting Co., 1202 Bassett Tower Bldg., El Paso, Texas, at $87,420 was awarded contract by Arizona State Highway Commission, Phoenix, for 10.75 miles grading, draining, base course, etc., on the St. Johns-Springerville Highway in the town of St. Johns.

CONTRACT AWARDED

MODOC COUNTY, Cal.—C. F. Fredericksen & Sons, Lower Lake, at $2605 awarded contract by State Highway Commission, Sacramento, for 9.6 miles fuel oil treatment in Modoc County, between 14 miles east of Alturas and easterly limits of Cedarville.

CONTRACT AWARDED

TEHAMA COUNTY, Cal.—A. Teichert & Sons, Inc., P. O. Box 1118, Sacramento, at $4766 awarded contract by State Highway Commission, Sacramento, for 13.3 miles fuel oil treatment in Tehama County.

CONTRACT AWARDED

SAN LUIS OBISPO AND MONTEREY COUNTIES, Cal.—L. A. Briscoe, Arroyo Grande, at $12,943 awarded contract by State Highway Commission for 54.3 mi. oil treatment to shoulders and roadbed in San Luis Obispo and Monterey Counties.

NOTICE TO BIDDERS

CALIFORNIA STATE.—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State highway work now advertised for opening June 13 in Sacramento and June 14 in Los Angeles.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue line prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened June 13 in Sacramento and June 14 in Los Angeles:

II-Sha-3-B-bridge over the Sacramento river at Redding. Bids to be received in Sacramento: Plans, (No. of sheets) 10, (cost) $1.00; Cross-Sections, (No. of sheets) none; (total) $1.

V-Mon-10-C between Mustang Ridge and Priest Valley. Bids to be received in Sacramento: Plans, (No. sheets) 12, (cost) $1.20; Cross-Sections, (No. of sheets) 113, (cost) $11.30; (total) $12.50.

XI-S.D.12-B & C bet. El Cajon and one mile east. Bids to be received in Los Angeles: Plans, (No. of sheets) 5, (cost) $0.50; Cross-Sections, (No. of sheets) 26, (cost) $2.60; (total) $3.10

Requests for plans, specifications and proposal forms must be addressed to the office of the State Highway Engineer's office, P. O. Box 1499, Sacramento.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

BIDS WANTED

SAN FRANCISCO.—Until June 14, 3 P. M., bids will be received by the Public Utilities Commission, Room 287, City Hall, for repaving street or sidewalk openings for the San Francisco Water Dept. for the fiscal year ending June 30, 1935.

Spec. No. W. D. 60. Specifications obtainable at Room 605, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10. Felton Taylor, secretary.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until June 25, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the improvement of Center Street in the vicinity of Rivera and Whittier, from San Ga-

briel Blvd. to Whittier Blvd., a distance of 17,721 lin. ft. or 3.36 miles, under Cash Contract No. 463, involving excavation, asphalt concrete paving, cement concrete paving, curb and drainage structures. PWA Docket No. 3123-2A.

Plans and specifications obtainable from the above. Mame B. Beatty, clerk of the board.

CONTRACT AWARDED

LUALUALEI, T. H.—Kalihi Const. Co., 167 Kamohalii St., Honolulu, at $19,150 awarded contract by Bureau of Yards & Docks, Navy Dept., Washington, D. C., under Spec. 7664, for diversion flume and roads at Lualualei T. H.

BIDS OPENED

MODOC COUNTY, Cal.—C. F. Fredericksen & Sons, Lower Lake, at $2.98 per bbl., total $3,605.80, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Redding, for 9.6 miles fuel oil treatment in Modoc County, between 14 miles east of Alturas and the easterly limits of Cedarville.

Tleslau Bros., Inc., Berkeley, at $3.10 per bbl., total $3751, submitted only other bid.

The work requires 1210 bbls. heavy fuel oil in place.

CONTRACT AWARDED

PASADENA, Cal.—C. O. Osborn Co. 1570 San Pasqual Ave., Pasadena, at $51,007.40 (asphalt conc. under Schedule 2) awarded contract by Pasadena city directors for improvement of Fair Oaks Ave. between Colorado Street and the south city limits.

BIDS OPENED

SAN LUIS OBISPO AND MONTEREY COUNTIES, Cal.—L. A. Brisco, Arroyo Grande, at $12,943.20, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 54.3 mi. oil treatment to shoulders and roadbed in San Luis Obispo and Monterey Counties. Complete bids follow

(1) 6300 bbls. heavy fuel oil;
(2) 21.3 mi. mixing and shaping;
(3) Total bid.

L. A. Brisco, Arroyo Grande (1) $1.50; (2) $164; (3) $12,943.20.

Granite Constr. Co., Watsonville, (1) $1.475; (2) $200; (3) $13,552.50.

BIDS WANTED

YOLO COUNTY, Cal. — Until June 12, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville Hotel, Marysville, for 3.9 mi. to be surfaced with pitrun gravel base in Yolo County between a point 2.3 mi. east of Woodland and a point 0.8 mi. west of Elkhorn Ferry. The work consists of scarifying the existing surfacing 1½ in. deep, blading this material into windows outside the proposed gravel section, preparing subgrade, and constructing a pitrun gravel base 27 ft. wide and 0.5 ft. thick (compacted). The work involves

(1) 14,500 cu. yds. pit run gravel base;
(2) 300 M. gals. water.

LOW BIDDERS

BUCKEYE, Arizona—Arizona Sand & Rock Co. and Clinton Campbell Contractors, Inc., P. O. Box 1522, Phoenix, Ariz., at $8473 submitted low bid to the Arizona State Highway Commission, Phoenix, May 29, for highway construction on the Phoenix-Yuma Highway. N.R.M. 46-B (A.F.E. 503). The work is located within the city limits of Buckeye, and consists of widening existing pavement with Portland cement concrete and incidental work on about 0.25 mile.

The Copper Cities Lime & Stone Constr. Co., Miami, Ariz., at $8582 submitted second low bid.

CONTRACT AWARDED

PHOENIX, Ariz.—Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $5697.00 was awarded the contract by the Arizona State Highway Commission, Phoenix, June 1, for improving Washington Blvd. between 16th St., Phoenix, and the end of the old car tracks, AFE Project No. 21. The work consists of furnishing and hauling cutback plant mix and cutback asphalt to the site on Washington Blvd. between 16th St. and the end of the old car tracks. Delivery shall be made as specified by the engineer. The work involves:

(1) 2468 tons cutback plant mix (completely mixed, including materials and hauling);
(2) 300 gals. cutback asphalt (including hauling to the job).

Phoenix-Tempe Stone Co., Phoenix, submitted the second bid at $5721.00.

BIDS OPENED

ARIZONA STATE.—Lee Moor Contracting Co., 1202 Bassett Tower Bldg. El Paso, Texas, at $87,429 submitted low bid to the Arizona State Highway Commission, Phoenix, June 1, with an alternate bid of $87,829 for highway construction on the St. Johns-Springerville Highway, NRH 60 (AFE No. 2624.) The work, which is to begin at the highway junction about ¼ of a mile south of the town of St. Johns, and is to extend south about 10¾ miles, consists of grading and draining, placing select material, aggregate base course, mineral aggregate, and oil processing. Pleasant-Hasler Const. Co., Phoenix, submitted the second low bid at $88,157; alternate bid at $88,357.00.

CONTRACT AWARDED

BUCKEYE, Ariz.—Arizona Sand & Rock Co. and Clinton Campbell Contractors, Inc., P. O. Box 1522, Phoenix, at $8,473.00 was awarded contract by Arizona State Highway Commission, Phoenix, June 1, for highway construction on Phoenix-Yuma Highway (Buckeye streets) NRM 46B (AFE No. 503.) The work, all of which is located within the city limits of Buckeye, consists of the widening the existing pavement with Portland cement concrete and of incidental work over a distance of about ¼ mile. The Copper Cities Lime & Stone Const. Co., Miami, Ariz., submitted the second low bid at $8582.00.

AWARD

COCONINO COUNTY, Arizona—O. F. Fisher, 516 7th St., Phoenix, Ariz., at $30,350 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for placing subgrade reinforcement on 10.94 miles of Section D of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino County, Arizona.

CONTRACT AWARDED

BUCKEYE, Ariz.—Arizona Sand & Rock Co. and Clinton Campbell Contractors, Inc., P. O. Box 1522, Phoenix, at $8,473 awarded contract by the Arizona State Highway Commission, June 1, for highway construction on the Phoenix - Yuma Highway, NRM 46-B (AFE 503). The work is located within the city limits of Buckeye, and consists of widening existing pavement with Portland cement concrete and incidental work on about 0.25 mile.

CONTRACT AWARDED

LINCOLN and Grant Cos., Wash.—Triangle Const. Co., Spokane, at $42,968 awarded contract by Washington State Highway Commission, Olympia, for 21.7 miles surfacing of the Grand Coulee Highway, Wilbur to Grand Dam. The other bids were:

March Const. Co., Spokane..... $44,681
Fred G. Redmon, Yakima..... 45,664

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UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

HAMILTON FIELD — Pipe and Fittings — (Govt.)

HAMILTON FIELD, Marin Co., Cal. —Following bids received by the Constructing Quartermaster, Hamilton Field, for furnishing wrought iron pipe and fittings for Hamilton Field, as follows:

PIPE

(Standard Weight galvanized wrought iron pipe)

(1) 380 lin. ft. 3-in.;
(2) 680 lin. ft. 3½-in.;
(3) 630 lin. ft. 2-in.;
(4) 240 lin. ft. 1½-in.;
(5) 500 lin. ft. 1¼-in.;
(6) 500 lin. ft. ¾-in.;

FITTINGS

(Galvanized malleable iron screw fittings).

(1) 1, 3x3x1¼-in. T;
(2) 1, 3x3x1-in. T;
(3) 3, 3x2½x1 T;
(4) 3, 2½x2½x1-in. T;
(5) 1, 2½x1¼x2½-in. T;
(6) 1, 2½-in. 90 elbow;
(7) 1 1½x1½x2½-in. T;
(8) 3, 2x2x1-in. T;
(9) 2, 2x1¼x1-in. T;
(10) 1, 2x2x1-in. side outlet elbow;
(11) 1, 2-in. 45° elbow;
(12) 1, 1½x1½x1-in. T;
(13) 2, 1½x1¼x1-in. T;
(14) 3, 1¼x1¼x1-in. T;
(15) 6, 1¼-in. 90° elbows;
(16) 1 1½-in. nipple, 6-in. long;
(17) 24, 1-in. nipples, 6 in. long;
(18) 2 2-in. iron body brass trimmed gate valves, Crane Co. No. 456 or equal;
(19) 14 valves, Buckner No. 14-A or equal super valve with 1-in. feed pipe opening.

The bidders were:

(A) Richmond Sanitary Co., S. F.
(B) General Machinery & Supply Co., San Francisco.
(C) Crane Co., San Francisco.
(D) Walworth California Co., San Francisco.
(E) P. E. O'Hair & Co., San Francisco.
(F) Grinnell Co. of the Pacific, San Francisco.
(G) Federal Pipe & Supply Co., San Francisco.
(H) J. A. Fazio, Oakland.
(I) Standard Supply Co., San Francisco.
(J) *Dallman Supply Co., Sacramento.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$299.47	$299.48	$299.47	$299.47	299.47	$299.47	$299.47	$295.15	$299.47	$178.71
(2)	409.26	409.77	409.76	409.76	409.76	409.76	409.76	403.85	409.76	244.52
(3)	235.26	236.56	236.56	236.56	236.56	236.56	236.56	233.10	236.56	143.26
(4)	65.61	65.64	65.61	65.61	65.61	65.61	65.61	64.66	65.61	40.53
(5)	119.00	119.05	119.05	119.05	119.05	119.05	119.05	117.35	119.05	70.65
(6)	62.40	62.45	62.40	62.40	62.20	62.20	62.40	61.60	62.40	37.40
(1)	.89	1.33	.93	1.03	.95	1.03	1.33	.83	.....	.90
(2)	.89	1.33	.93	1.03	.95	1.03	1.33	.83	.....	.90
(3)	.89	1.33	1.04	1.03	.95	1.03	1.33	.83	.....	.90
(4)	1.83	2.73	1.92	2.11	1.95	2.11	2.73	1.71	.....	1.85
(5)	.61	.91	.71	.70	65	.70	.91	.57	.....	.61
(6)	.44	.53	.46	.31	.48	.51	.53	.33	.....	.45
(7)	.61	.91	.37	.70	.65	.70	.91	.57	.....	.22
(8)	1.05	1.26	1.09	1.22	1.14	1.22	1.26	.78	.....	1.06
(9)	.70	.84	.84	.81	.76	.81	.84	.52	.....	.71
(10)	.49	1.04	.63	.71	.60	.....	1.04	.65	.....	.49
(11)	.29	.34	.30	.33	.31	.33	.34	.25	.....	.29
(12)	.22	.27	.23	.26	.24	.26	.26	.17	.....	.22
(13)	.44	.54	.46	.52	.48	.52	.52	.34	.....	.45
(14)	.51	.63	.54	.61	.57	.61	.63	.42	.....	.54
(15)	.72	.84	.76	.84	.78	.84	.84	.54	.....	.74
(16)	.10	.14	.10	.11	.13	.11	13.00	.13	.....	.10
(17)	1.44	2.16	1.67	1.78	2.16	1.78	1.92	2.16	.....	1.62
(18)	10.50	14.00	10.24	10.92	13.50	13.20	15.00	12.00	.....	9.96
(19)	39.20	50.40	50.40	.....	38.50	61.60	42.00	.....	.....	37.24

* The bid of the Dallman Supply Co. was not considered as the bid specified steel pipe and on all or none restrictive clause.

H. B. Carter Co., San Francisco, bid on item 25 only, at $50.40 .

June 7, 1934

BIDS OPENED

SAN FRANCISCO. — Union Paving Co., 624 Call Bldg., San Francisco, at $88,330.25 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the construction of the Third Street Sewer, from 23rd St. to Islais Creek Channel.

Complete bids follow:

(A) Union Paving Co., San Franrisco, $88,330.25.
(B) C. C. W. and H. H. Haun, San Francisco, $93,787.00.
(C) MacDonald & Kahn, San Francisco, $94,994.50.

Unit quantities follow:

(1) 1055 lin. ft. 3-ft. 6-in. by 5 ft. 3-in. reinf. concrete sewer on piles
(2) 1860 lin. ft. 3 ft. 0-in. x 4 ft. 6-in. reinf. conc. sewer on piles;
(3) 1 reinf. concrete taper structure on piles;
(4) 14 manholes on reinf. concrete sewers;
(5) 5 manholes in V.C.P. in place;
(6) 30 lin. ft. 18-in. V.C.P. in place;
(7) 210 lin. ft. 12-in. V.C.P. embedded in reinf. concrete in place;
(8) 60 lin. ft. 10-in. V.C.P. culvert in place;
(9) 1000 lin. ft. 6-in. V.C.P. underdrain covered with concrete or embedded in broken rock;
(10) 1000 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock as directed.
(11) 31,300 lin. ft. piles driven in place

Unit prices were:

	(A)	(B)	(C)
(1)	$ 24.75	$ 26.00	$ 31.30
(2)	21.50	22.90	22.00
(3)	305.00	300.00	300.00
(4)	57.00	75.00	70.00
(5)	160.00	220.00	100.00
(6)	8.00	14.00	5.50
(7)	7.40	7.50	5.00
(8)	3.25	6.50	3.25
(9)	1.00	.65	.90
(10)	2.00	.75	1.00
(11)	.49	.56	.51

The work will be financed by part of the $2,625,000 PWA funds, for which bonds were voted Nov. 7, 1933. All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, Oakland, for furnishing cast iron pipe fittings for distribution system:

Grinnell Co. of the Pacific, San Francisco, $3613.05.
Phoenix Iron Works, Oakland, $3781.10
American C. I. P. Co., San Francisco, $4160.75.
Santa Fe Foundry, $4313.95.
Pacific States C. I. P. Co., San Francisco, $4332.50.
United Iron Works, San Francisco, $5224.46.
*U. S. Pipe & Foundry, San Francisco, $1071.

*Bid on Schedule 3 only.

Bids were for furnishing the following items:

SCHEDULE 1

(1) 70 4-in. 22½-deg. elbows;
(2) 50 4-in. 45-deg. elbows;
(3) 15 4-in. 90-deg. elbows;
(4) 40 6-in. 22½-deg. elbows;
(5) 80 6-in. 45-deg. elbows;
(6) 15 8-in. 22-deg. elbows, bell ends.

SCHEDULE 2

(1) 50 4x4-in. tees, bell ends;
(2) 30 6x4-in. tees;
(3) 175 6x6-in. tees;
(4) 15 12x6-in. tees;
(5) 30 6x4-in. crosses;
(6) 30 6x6-in. crosses.

SCHEDULE 3

(1) 100 4-in. solid sleeves;
(2) 125 6-in. solid sleeves;
(3) 30 4x2-in. nipples, Class B, spogot ends;
(4) 100 6x2-in. nipples, spigot end;
(5) 150 4-in. plugs;
(6) 50 6-in. plugs.

SCHEDULE 4

(1) 80 6x4-in. reducers, small end bell;
(2) 15 8x6-in. reducers, small end bell;
(3) 50 4-in. offsets, bell end spigots;
(4) 50 6-in. do.

Specifications obtainable from above office.

BIDS OPENED

OAKLAND, Cal.—Following bids received by Playground Directors, Oakland, for building tennis courts in Bushrod Playground and San Antonio Park and for fencing in connection with courts.

Tennis Courts

(1) San Antonio Park;
(2) Bushrod Playground.

P. M. Henning, 5228 Lawton Ave., Oakland ..... (1) $3,367.00
..... alternate 3,323.00
..... (2) 1,574.00
W. H. Larson, Berkeley.... (1) $2,900.00
..... (2) 1,629.00
J. H. Fitzmaurice, Oakland ..... (1) $3,174.00
..... alternate 3,091.00
..... (2) 1,666.00
Ransome Co., Emeryville.. (1) $3,777.62

Fencing

Identical bids were submitted by the following at $1,867.17 (San Antonio Park) and $1,078.58 (Bushrod Playground).

C. Frauneder.
Simon Hardware Company.
Ralph Waterhouse.
California Wire Cloth Co.
Pacific Coast Fence Co.
California Ornamental Iron Works
Standard Fence Co.
Maxwell Harlware Company.

Bids held under advisement.

LOS ANGELES CO.—2 Mi. Grade and Pave—(State)

LOS ANGELES CO., Calif.—Basich Bros., 20550 Normandie Ave., Torrance, at $150,290.50 (Alt. A) and at $165,933.00 (Alt. B) submitted low bid to the State Highway Engineer, Room 808, State Building, Los Angeles, for grading and paving with asphalt concrete (Alt. A) or with Portland cement concrete (Alt. B) about 2 miles in Los Angeles between west city limits and Wilmington Blvd., involving:

(1) 104 stations clear and grub right of way;
(2) 82,000 cu. yds. rdwy. excav., unclassified;
(3) 790,000 sta. yds. overhaul;
(4) 51,000 cu. yds. imported borrow;
(5) 5,200 cu. yds. structure excav.;
(6) 53,000 sq. yds. subgrade for pave.;
(7) 1,500 sq. yds. asph. paint binder;
(8) 3,050 tons asph. concrete, central pave. strip, Sta. 343 plus 04.78 to Sta. 357 plus 50 and irregular areas on street intersections;
(9) 1,730 cu. yds. Class A Port. cem. conc. curbs, gutters, sidewalks, and driveways;
(10) 630 cu. yds. Class A Port. cement concrete structures;
(11) 100 cu. yds. Class C do;
(12) 41,200 lbs. bar reinf. steel struc.;
(13) 12,500 lbs. misc. iron and steel structures;
(14) 220 lin. ft. 12-in. CMP;
(15) 120 lin. ft. 24-in. CMP;
(16) 20 lin. ft. 15-in. standard reinf. concrete pipe;
(17) 2,130 lin. ft. 18-in. do;
(18) 200 lin. ft. 21-in. do;
(19) 280 lin. ft. 30-in. do;
(20) 310 lin. ft. 36-in. do;
(21) 130 lin. ft. 39-in. do;
(22) 900 tons broken stone culvert foundations;
(23) 140 cu. yds. removing and disposing of concrete;
(24) 3,300 M. gals. water;
(25) 2,100 bbls. fuel oil shoulders;
(26) 40,100 sq. yds. prepare, mix and shape shoulders, oil treatment;
(27) 55 tons asph. road oil seal coat;
(28) 48 lin. ft. solid timber guard rail;
(29) 104 sta. finish roadway.

ALTERNATIVE A

(30) 19,450 tons asphalt concrete pave.

ALTERNATIVE B

(31) 8,750 cu. yds. Class A Portland cement concrete pavement;
(32) 197,000 lbs. bar reinf. steel pave.

Complete bids follow

(A) Basich Bros., Torrance, (A) $150,290.50; (B) $165,933.
(B) Oswald Bros., Los Angeles, (A) $152,632.80; (B) $170,665.30.
(C) Griffith Co., Los Angeles, (A) $160,280.60; (B) $181,824.60.
(D) United Concrete Pipe Corp., Los Angeles, (A) $163,736.50; (B) $181-786.50.
(E) Sharp & Fellows Contr. Co., Los Angeles, (A) $167,268; (B) $185,-222.00.
(F) Sully- Miller Contr. Co., Long Beach, (A) $167,983.00; (B) $186,-055.50.
(G) Sander Pearson & Mundo Engr. Co., Santa Monica and Los Angeles, (A) $199,177; (B) $216,762.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 3.50	$ 4.75	$15.00	$15.00	$ 3.00	$10.00	$ 3.00
(2)	.17	.19	.20	.195	.21	.27	.19
(3)	.003	.0025	.003	.006	.003	.005	.003
(4)	.25	.25	.31	.35	.27	.32	.60
(5)	.65	.70	.70	.70	1.00	.70	1.00
(6)	.06	.065	.10	.10	.08	.10	.10
(7)	.02	.02	.02	.02	.02	.02	.02
(8)	2.85	2.80	2.73	3.00	3.20	2.85	3.15
(9)	12.00	10.60	10:50	10.00	12.00	11.50	13.90
(10)	16.00	18.25	19.00	17.00	20.00	15.00	35.00
(11)	7.50	7.50	10.00	10.00	10.00	10.00	10.00
(12)	.04	.0375	.035	.05	.044	.04	.045
(13)	.09	.10	.09	.10	.10	.09	.12
(14)	1.20	1.05	1.20	1.50	1.10	.85	1.25
(15)	2.25	2.15	2.40	2.50	2.50	2.00	2.50
(16)	2.10	2.05	2.40	2.50	2.00	2.00	2.10
(17)	2.15	2.15	2.40	2.55	2.20	2.05	2.35
(18)	2.50	2.40	2.50	2.70	2.50	2.35	2.60
(19)	4.30	4.15	4.50	4.50	4.30	4.25	4.55
(20)	5.50	5.35	6.00	5.50	5.90	5.75	5.85
(21)	6.30	6.00	6.70	6.00	6.50	6.75	6.75
(22)	2.00	1.90	2.10	2.00	2.00	2.00	2.50
(23)	2.00	1.25	1.10	2.00	3.00	1.00	1.25
(24)	.50	.85	.80	.30	.30	.50	.75
(25)	1.00	1.30	1.20	1.30	1.20	1.20	1.30
(26)	.04	.03	.035	.045	.04	.045	.05
(27)	12.00	21.50	15.70	20.00	22.00	16.00	18.00
(28)	1.00	1.10	1.20	1.00	1.00	1.25	1.00
(29)	2.00	2.50	3.00	5.00	5.00	3.00	2.00
(30)	2.75	2.80	2.73	2.75	3.00	2.85	3.10
(31)	7.00	7.27	7.63	7.05	8.00	7.50	8.00
(32)	.04	.04	.04	.05	.032	.04	.04

COMPLETE BID LISTING

LOS ANGELES CO., Calif.—Matich Bros., Elsinore, at $38,163.20, as previously reported, submitted low bid to the State Highway Engineer, Los Angeles, for 41.1 miles fuel oil treatment of roadbed and shoulders and applying bituminous treatment to shoulders at various locations in Los Angeles county. Total bids follow:

(A) Matich Bros., Elsinore, $38,163.50.
(B) Dimmitt & Taylor, Los Angeles, $40,480.50.
(C) Geo. Herz & Co., San Bernardino $41,222.80.
(D) Kovacevich & Price, Southgate, $42,031.50.
(E) P. J. Akmadzich, Los Angeles, $46,637.00.

Unit quantities follow:

(1) 146 tons asph. road oil;
(2) 2,650 tons screenings;
(3) 29,600 sq. yds. mixing fuel oil and roadbed material;
(4) 247,000 sq. yds. mixing fuel oil and shoulder material;
(5) 11,060 bbls. heavy fuel oil.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$19.00	$16.50	$18.00	$17.50	$19.00
(2)	2.28	2.47	2.90	2.75	3.50
(3)	.05	.05	.045	.06	.07
(4)	.047	.05	.049	.056	.06
(5)	1.47	1.60	1.58	1.50	1.60

BIDS OPENED

SAN RAFAEL, Cal.—Pacific States Construction Co., 708 Call Bldg., San Francisco, at $9275.47 submitted low bid to the San Rafael City Council, June 4, 8 P. M., for the improvement of a portion of Lincoln Avenue, bet. Linden Lane and a point approximately 200 feet northerly from the northerly line of Grand Ave. by the construction of storm drains and their appurtenances and an asphalt concrete pavement, involving:

(1) 1522 cu. yds. excavation;
(2) 25,238 sq. ft. 5-in. asph. concrete pavement;
(3) 25,238 sq. ft. 4-in. rock base;
(4) 10,545 sq. ft. 4-in. asphalt conc. pavement;
(5) 10,545 sq. ft. 5-in. rock base;
(6) 2600 sq. ft. asph. conc. conform;
(7) 12 cu. yds. shallow sewer and curb protection;
(8) 16 lin. ft. 15-in. vit. clay pipe, complete;
(9) 40 lin. ft. 10-in. corru. metal pipe complete;
(10) 200 lin. ft. 18-in. do. complete;
(11) 75 lin. ft. 21-in. reinf. conc. pipe complete (including headwall);
(12) 159 lin. ft. 30-in. reinf. conc. pipe
(13) 5 standard catchbasins complete;
(14) 3 special concrete boxes, complete (inc. 1 wood box).

Total bids follow:

(A) Pacific States Constr. Co., $9,-275.47.
(B) E. A. Forde, San Anselmo, $10,-919.06.
(C) V. Maggiora, Sausalito, $11,237.51
(D) A. J. Raisch, San Francisco, $11,884.15.
(E) Engineer's Estimate, $9047.24.

	(A)	(B)	(C)	(D)	(E)
(1)	$ .60	$ .75	$ .60	$ 1.00	$ .50
(2)	.13	.15	.15	.14	.15
(3)	.035	.0425	.07	.06	.05
(4)	.11	.125	.13	.12	.11
(5)	.04	.0525	.08	.07	.06
(6)	.....	.....	.....	.....	.....
(7)	12.00	10.00	20.00	40.00	10.00
(8)	1.50	3.00	1.75	2.00	1.75
(9)	1.60	4.00	1.50	3.00	1.50
(10)	2.75	4.00	2.50	4.00	2.25
(11)	3.75	4.75	4.00	5.00	3.50
(12)	7.00	6.75	5.50	6.00	4.75
(13)	40.00	50.00	75.00	50.00	35.00
(14)	80.00	80.00	90.00	100.00	100.00

All bids held under advisement.

COMPLETE BID LISTING

LOS ANGELES and Orange Cos., Cal.—Dimmitt & Taylor, 815 E 59th St., Los Angeles, at $29,695.60, as previously reported, submitted low bid to the State Highway Engineer, Los Angeles, for 34.6 miles roadbed and shoulders to be treated with heavy fuel oil and shoulders to be treated with bituminous seal coat. Total bids follow:

(A) Dimmitt & Taylor, Los Angeles, $29,695.60.
(B) Kovacevich & Price, Southgate, $30,288.50.
(C) P. J. Akmadzich, Los Angeles, $31,250.50.

Unit quantities follow:

(1) 106,600 sq. yds. prepare surface;
(2) 134 tons asphaltic road oil;
(3) 1,336 tons screenings;
(4) 170,500 sq. yds. mixing fuel oil and roadbed material;
(5) 46,500 sq. yds. mixing fuel oil and shoulder material;
(6) 6,050 barrels heavy fuel oil.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ .004	$ .02	$ .02
(2)	16.50	18.00	20.00
(3)	2.45	2.00	3.59
(4)	.065	.06	.05
(5)	.065	.055	.07
(6)	1.60	1.70	1.65

BIDS OPENED

SAN FRANCISCO—Central Electric Co., 179 Minna St., at $11,900.00 for Proposition A, and at $11,400.00 for Proposition B, submitted low bids on June 7 to the Public Utilities Commission, Room 287, City Hall, for the installation of an ornamental street lighting system at Merced Manor (L. P. Contract No. 2.

Complete bids follow:

	Prop. A	Prop. B
Central Elec. Co.	$11,900.00	$11,400.00
L. S. Tittle Co.	12,390.00	11,880.70
Globe Elec. Works	12,864.30	12,354.30
Cattenham Elec.	13,006.00	12,496.00
West Coast Elec.	13,071.98	12,561.98
Victor Lemoge	13,288.00	12,678.00
J. C. Reid Co.	.....	12,953.00
Severin Elec. Co.	13,399.05	13,000.00
J. Nelson & Sons	13,630.80	13,120.80
Enterprise Elec.	14,135.43	13,625.43
Weidenthal-Goslinger Elec. Co.	14,450.00	13,940.00

BIDS WANTED

RIVERSIDE, Cal. — Until June 19, A. M., bids will be received by the Riverside City Council for the construction of the S-turn from 7th to 9th St. via Pepper St., and the resurfacing of Magnolia Ave., between Jupa Ave. and 14th St. The work involves

(1) 3800 cu. yds. rdwy. excav.;
(2) 8250 cu. yds. subgrade preparation;
(3) 130 cu. yds. Class A Portland cement conc. (curbs, gutters, and sidewalks);
(4) 140 cu. yds. Portland cement drainage structures;
(5) 170 cu. yds. concrete to be removed (curbs, gutters & walks)
(6) 290 lin. ft. 36-in. corr. iron culvert;
(7) 175 lin. ft. 10-in. cement pipe;
(8) 160 lin. ft. 4-in. vitrified pipe;
(9) 2 catchbasins, complete;
(10) 1440 cu. yds. Class A Portland cement concrete pavement;
(11) 36,000 lbs. bar reinforcing steel;
(12) 50 bbls. light fuel oil for subbase treatment;
(13) 13 tons asphaltic road oil for subgrade;
(14) 11 light standards, including lights, wiring, transformers and conduit.

Estimated cost, $27,000. J. R. Elliott, City Engineer.

BIDS OPENED

SAN DIEGO COUNTY, Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, at $105,296 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for grading 5.6 miles in San Diego county between Escondido and Lake Hodges Dam.

Complete total bids follow:

(1) R. E. Campbell, Los Angeles, $105,296.
(2) Bodenhamer Const. Co., Oakland, $110,370.
(3) Daley Corp., San Diego, $113,530.
(4) Dimmitt & Taylor, Los Angeles, $121,249.
(5) Sharp & Fellows Contr. Co., Los Angeles, $128,195.
(6) Sander Pearson, Santa Monica, and Mundo Engr. Co., Los Angeles, $148,094.
(7) V. R. Dennis Const. Co., San Diego, $219,436.

BIDS OPENED

LOS ANGELES, Cal.—The following bids received by the Los Angeles County Board of Supervisors, June 6 for diamond core drilling for spillway at site at San Gabriel Dam No. 1, approximately 36 holes;

(1) 2750 lin. ft. drilling bet. ground surface and 100 ft. deep;
(2) 1350 lin. ft. drilling 100 ft. deep;

(3) price per foot where casing is required to be added to the unit prices quoted for items Nos. 1 & 2.

Cannon Bros., Compton, (1) $3.45; (2) $3.85; (3) $0.35.

Continental Diamond Drilling Co., (1) $3.60; (2) $3.60; (3) $1.00.

Sullivan Machinery Co., (1) $5.50; (2) $5.50; (3) $6.50.

Engineer's estimate, (1) $3.00; (2) $3.10; (3) $1.50.

E. C. Eaton, 205 South Broadway, county flood control engineer.

All bids held under advisement.

SAN FRANCISCO—Section "C" 15th St. Sewer—(City)

SAN FRANCISCO—Eaton & Smnth, 715 Ocean Ave., San Francisco, at $155,250.80, submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the construction of the 15th St. sewer, Section "C," in Treat Avenue, from Alameda St. to Bryant St., and in Division St., from Bryant St. to Tenth St., involving:

(1) 954 lin. ft. 2-compartment (10-ft. 0-in. x 9-ft. 0-in. (9-ft. 6-in. x 9-ft. 0-in.) reinf. conc. sewer;
(2) 275 lin. ft. 2-compartment (9-ft. 6-in. x 9-ft. 0-in. (9-ft. 6-in. x 9ft. 0-in.) reinf. conc. sewer;
(3) 1 junction structure of reinforced concrete;
(4) 10 manholes on the reinf. conc. sewer;
(5) 410 lin. ft. 8-in. V.C.P. underdrain, covered with conc. or embeded in broken rock, as directed
(6) 820 lin. ft. 10-in. V.C.P. underdrain, covered with concrete or embeded in broken rock, do;
(7) 1220 lin. ft. 12-in. V.C.P. underdrain, covered with concrete or embeded do;
(8) 56,000 lin. ft. piles, below cut off;
(9) Installing and removing temporary tee rail track and special work;
(10) 90 ET type 4/0 copper joint bands
(11) 400 lin. ft. 4/0 round copper band wire;
(12) Removing existing track, 1280 ft. single track;
(13) Construct permanent track, 1280 ft. single track;
(14) 3650 sq. ft. asph. conc. pave., consisting of a 6-in. Class "F" conc. base, a 1½-in. binder course, and a 1½-in. asphalt concrete wearing surface;
(15) 9000 sq. ft. asphalt conc. wearing surface, 2½-in. thick;
(16) 7980 sq. ft. 1½-in. asphalt conc. wearing surface with a 2-in. binder course;
(17) 3370 sq. ft. 1½-in. asphalt conc. wearing surface with a 1½-in. binder course.

Complete bids follow

(A) Eaton & Smith, San Francisco, $155,250.80.
(B) MacDonald & Kahn, Ltd., San Francisco, $169,795.43.
(C) Union Paving Co., San Francisco, $176,539.80.
(D) Healy-Tibbitts Constr. Co., San Francisco, $177,343.
(E) Barrett & Hilp, San Francisco, $186,984.60.
(F) C. L. Harney, San Francisco, $229,491.80.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 101.00	$ 109.10	$ 109.00	$ 105.00	$ 126.00	$ 150.00
(2)	101.00	108.80	109.00	98.50	123.00	140.00
(3)	2000.00	1685.00	2500.00	2000.00	2800.00	3000.00
(4)	70.00	75.00	100.00	100.00	50.00	60.00
(5)	.50	.75	4.00	.80	1.25	.60
(6)	.60	1.00	5.00	1.00	1.35	.70
(7)	.70	1.30	6.00	1.25	1.65	.70
(8)	.25	.25	.40	.55	.22	.50
(9)	4000.00	4031.00	5.00	3500.00	3225.00	5000.00
(10)	1.00	2.60	3.00	2.50	2.00	2.00
(11)	.10	.70	1.50	.60	.50	.50
(12)	600.00	994.00	3.00	1000.00	795.00	800.00
(13)	5000.00	7586.00	7.00	4500.00	5360.00	6000.00
(14)	.25	.2875	.25	.30	.33	.20
(15)	.10	.1125	.08	.15	.11	.08
(16)	.12	.13	.10	.15	.16	.09
(17)	.11	.1250	.09	.15	.14	.08

The work will be financed out of an allotment of $2,625,000 by the PWA, for which bonds were voted November 7, 1933. All bids held under advisement.

SANTA BARBARA CO.—Concrete Slab Bridge—(State)

SANTA BARBARA COUNTY, Cal.—L. C. Seidel, 680 14th St., Oakland at $29,597 submitted low bid to State Highway Commission, Sacramento, for the construction of a reinforced concrete slab bridge over the existing highway near the easterly limits of the City of Santa Barbara, consisting of one 55-ft. span, two 35-ft. spans and two 11-ft. end cantilevers.

The work involves:

(1) 620 cu. yds. struc. excavation;
(2) 1,260 cu. yds. Class A Port. cem. concrete;
(3) 174,000 lbs. bar reinf. steel;
(4) 222 lin. ft. timber railing;
(5) 100 lin. ft. 8-in. CMP;
(6) 2 each spillway assemblies;
(7) lot misc. items of work.

Complete bids follow:

(A) L. C. Seidel, Oakland, $29,597.00.
(B) Lindgren & Swinerton, San Francisco, $31,489.00.
(C) M. B. McGowan, San Francisco, $31,909.00.
(D) Oscar Oberg, Los Angeles, $33,117.00.
(E) Theo. A. Beyer Corp., Los Angeles, $33,245.50.
(F) Lynch-Cannon Engr. Co., L. A., $33,843.00.
(G) Byerts & Dunn, Los Angeles, $34,678.00.
(H) David J. Reed and Joseph Maiser Los Angeles, $36,800.00.
(I) H. M. Baruch Corp., Ltd., Los Angeles, $37,681.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ 2.50	$ 2.00	$ 2.50	$ .70	$ 2.50	$ 2.00	$ 2.00	$ 2.50	$ 3.00
(2)	16.00	15.00	16.00	18.65	18.00	19.00	17.00	21.00	21.40
(3)	.038	.0385	.045	.04	.04125	.04	.045	.04	.041
(4)	2.50	5.00	5.00	3.40	4.00	4.00	4.00	4.50	1.50
(5)	1.00	.90	1.00	1.10	1.10	1.25	2.00	1.00	1.50
(6)	10.00	25.00	200.00	11.00	20.00	20.00	50.00	20.00	20.00
(7)	600.00	3400.00	759.00	1338.00	800.00	650.00	3000.00	691.00	1200.00

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Building and Engineering News

IN THIS ISSUE

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Code Ruling Voids Oakland Bids

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

JUNE 16, 1934

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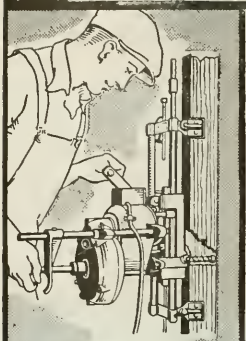
WAPPAT Electric TOOLS



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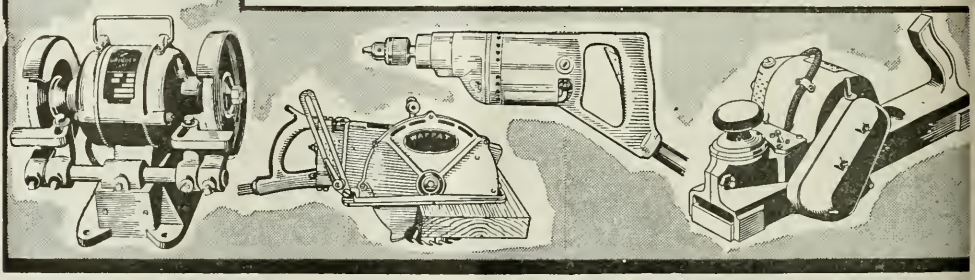

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ol. XVII SAN FRANCISCO, CALIF., JUNE 16, 1934 No. 24

NAPP OFFERS LOW BID FOR REDDING SPAN

ninsula Paving Bid of $108-515 Low on Monterey Grading

SACRAMENTO, June 13.—J. F. napp, 1401 Park avenue, Oakland, bmitted the low bid today to the fate Highway Commission for the onstruction of a steel bridge ross the Sacramento river at dding. Knapp's bid was $168,847. e joint bid of Rocca and Calletti n Rafael and J. P. Brennan, Redg, was a close second at $169,-0.

Following bids were received:

F. Knapp, Oakland	$168,847
cca & Calletti, San Rafael, nd J. P. Brennan, Redding	169,980
B. McGowan, S. F.	171,532
dgren & Swinerton, S. F.	178,621
t & Bell, Arcadia	199,560
rd Engr. Co., S. F.	202,925

The commission received bids o for grading 3.3 miles in Montey county between Mustang dge and Priest Valley and surfing portions with selected mate-l. The bids were:

Ninsula Paving Co., S. F.	$108,515
anfield, Farrar and Carlin, San Francisco	121,763
ion Paving Co., S. F.	124,990
ttry Bros., Los Angeles	135,509
arp & Fellows, Los Angeles	137,229
ung & Sons Co., Ltd., Berkeley	138,575
mmitt and Taylor, L. A.	149,713

SK BIDS ON BOULDER CRANES

Bids are being received by the reau of Reclamation at Denver June 18 for furnishing cranes d hoists at Boulder Dam.

The contract will include eleven r- to 30-ton overhead traveling nes, two 4-ton jib cranes, one on and one 5-ton stationary hoist d two 3-ton mono-rail hoists.

The equipment will be installed the government.

Code Compliance Ruling Voids Bids On Bank Alteration

Failure of bidding contractors to comply with the Construction Industry Code of Fair Competition yesterday resulted in rejection of all bids received for alterations to the Breuner and Corder buildings in Oakland, which are to be remodeled for offices of the Federal Land Bank. Bids were taken by Architect James Plachek, Berkeley, June 6. Protests were filed against award of the contract on the ground that all bidders had not observed code bidding regulations.

At NRA headquarters in San Francisco is was stated that the principal code violation found was failure to close sub-bids twenty-four hours prior to the time for receiving contract bids. This provision of the Construction Code is to be strictly enforced, compliance directors here declared.

New bids on the remodeling contract are to be received at 10 a. m. June 22. General contractors must not accept sub-bids figures later than 10 a. m., June 21, in order to comply with the code regulation.

RECOMMEND STANDARD FOR ASPHALT TILE

A recommended commercial standard for asphalt floor tile has been adopted by producers, installing contractors and users who convened in Chicago recently, the Bureau of Standards announces.

The conference set Jan. 1, 1935, as the effective date for new production and clearance of existing manufacturers stocks. The National Bureau of Standards has been requested to prepare a list of willing-to-certify manufacturers and installing contractors based on the commercial standard.

BOARD NAMES ARCHITECTS ON FOUR SCHOOLS

Plans to be Prepared on First Units of $3,000,000 Program

Architects were commissioned yesterday by the San Francisco Board of Public Works to prepare plans for four of the city's new school buildings to be built under the 1933 bond issue of $3,000,000. The four schools will cost approximately $1,025,000.

Largest of the four projects is the Marina Junior High School to cost $375,000 for which Architects George Kelham, W. P. Day and John Bakewell, Jr., have been appointed.

The Glen Park school will be designed by Architects Louis P Hobart and Bliss & Fairweather. It is estimated to cost $300,000.

The Visitacion Valley school to cost $250,000 was assigned to Architects Hyman and Appleton and Albert G. Lansburgh.

Architects Dodge A. Riedy and Charles E. J Rogers were commissioned on the Lawton school, to cost $100,000

Board of Works received bids yesterday on the reconstruction of the Laguna Honda school on Seventh avenue between Irving and Judah streets. Wm. Spivock submitted the low bid of $61,290. Second and third low bids were those of J. Harold Johnson at $61,887 and H. L. Peterson, $62,700. Twelve bids were received. .(Complete list in Advance Report section).

Shipments of distillate oil burners showed a decrease for the first four months of 1934, totaling 13,-653, as compared with 21,849 for the same period of 1933, according to reports to the Department of Commerce.

ADMINISTRATION OF SHEET METAL CODE PLANNED

Stockton Conference Decides Regional Policies For Group

Administrative agencies for Northern California to enforce the code of fair competition for the Roofing and Sheet Metal Industry were planned at a convention in Stockton June 9 and 10. The code is Chapter VII of the Construction Industry Code.

H. O. Lothrop, secretary and manager of the Furnace Dealers and Sheet Metal Contractors of Northern California, Inc., opened the meeting. F. S. Lombard presided as temporary chairman

A constitution and by-laws was ed. A local administrator in each istrative districts were established A local administrator in each district will appoint two additional members from his district to the administrative board. From the 18 administrators an executive committee of nine is selected and these in turn have elected officers for the Northern California district.

Those elected are Walter Dump hy, Sacramento, president; E. A. Baird, Fresno, vice-president; H. O. Lothrop, Oakland, secretary-manager

The district offices temporarily have been established at 1700 Broadway, Oakland.

Under provisions of Section 4 and Section 5 of Article IV of the code a cost and selling system was adopted. A uniform wage scale of $1.10 an hour was approved and a maximum 40- hour, 5-day week was approved, with the proviso that any divisional district may, through collective bargaining, establish shorter hours.

The conference received a telegram from D. A. Jackson, divisional code authority for the five western states, expressing a pledge of cooperation in the code enforcement.

Mano Zan, code coordinator for the state registrar of contractors, addressed the meeting urging the contractors to complete organization for administration of the code and cooperation with other industry divisions.

LOWELL SCHOOL BIDS JUNE 13

Bids on the contract for reconstruction of the Lowell High School building will be opened June 13 by the San Francisco Board of Public Works. The cost is estimated at $70,000.

The contractor will be subject to a penalty of $100 a day for failure to complete the work within the time limit.

L. H. Nishkian is consulting engineer on the school repair, which is designed to make the building comply with state earthquake safety requirements.

A complete description of the work to be done appears in the Advance Report section today.

$3,230,000 S. F. Apartment Fund Given Housing Corp.

The official statement of the Federal Public Works Administration announcing cancellation of an allotment of $3,230,000 to the Roosevelt Terrace apartment project in San Francisco follows:

An allocation of $3,230,000 for a housing project in San Francisco, California, known as the Roosevelt Terrace Apartments, has been rescinded because the applicant was unable to comply with the conditions specified in the allotment.

The allotment was made on October 5, 1933, specifying that the Federal loan to the limited dividend housing corporation which proposed to erect the project would be made subject to terms of a satisfactory contract between the corporation and the Public Works Administrator, requiring security to be provided by the applicant.

Subsequently the applicant made efforts to provide the security but was unable to furnish the necessary equity to protect the Government for the amount of the requested loan. The equity offered was principally in land, but to furnish the total security required a price would have had to have been placed on this land which was unacceptable to the Public Works Administration.

In rescinding the allotment the Public Works Administration transferred the money to the credit of the Public Works Housing Corporation so that it may be used for other low-cost housing construction.

U. S. LOAN CORP. RESTRICTED IN REPAIR FUNDS

Property Requiring Mortgage Money Only Eligible For Aid on Improvements

Clarification of the eligibility of home owners to obtain aid from the Home Owners' Loan Corporation in reconditioning of homes is contained in a statement recently received in California from the Home Loan Bank Board in Washington.

Authority to make loans for the purpose of repairing and reconditioning of homes was granted in an amendment made recently to the original act by Congress. The board's statement says:

"There seems to be a rather general impression that the recent amendment passed by Congress empowers the Home Owners' Loan Corporation to lend money to all home owners who desire to recondition their property.

"This is incorrect. The corporation is authorized to lend money for reconditioning only to home owners in financial distress, and in most cases only in connection with its refinancing operations. The corporation may make loans to the following groups of home owners:

"1. Those who have already secured loans from the corporation.

"2. Those who are eligible to have their mortgages taken over by the corporation.

"(To be eligible, a home owner must be financially unable to make payments on his present mortgage, unable to obtain financing elsewhere and actually faced with foreclosure or tax sale; the property must be a dwelling for not more than four families, worth not more than $20,000, and must be the owner's home or homestead.)

"3. Those who own their home clear of any mortgage; but only if they cannot get loans from any private lending agency.

"Thus the corporation is authorized to make loans for reconditioning only to those home owners who are in some form of credit distress. Furthermore, practically all loans for reconditioning will be in addition to loans for refinancing mortgages.

"Applications for loans for reconditioning or refinancing from those who are not eligible cannot be considered. Home owners who are not in credit distress or urgent, therefore, not to apply."

According to reports submitted to the Department of Commerce sales of pumps were $472,656 for the first four months of 1934, compared with $295,698 for the same period of 1933; also sales of cylinders totaled $93,255 for the first four months of 1934, as compared with $55,198 for the same period of 1933.

State School Authority Declares New Building Program Necessity

The practical cessation of school building construction in California during the past five years has left the state faced with a serious housing problem for its schools, the Department of Education reports.

During the past five years, school district expenditures for buildings have declined from a total of $24,821,167.61 in 1928-29 to $7,922,487.64 in 1932-33, a decrease of 68.1 per cent, the department reported.

"The recent earthquake greatly creased the need for new and reinstructed school housing facilies, especially in Southern Calirnia," Vlerling Kersey, State Surintendent of Public Instruction, id. "It is imperative that addinal funds be made available, her from federal or state sources r the relief of this acute school lusing problem.

"A study of per pupil building exnditures will show that this cost f elementary schools decreased om $22.12 per pupil to $4.95 per pil, a drop of 77.6 per cent in e five-year period. When the exnditures made by high school tricts for building are related to e number of pupils educated, it noted that the amount per pupil s been reduced from $46.30 to $.61, a decrease of 74.9 per cent."

The drastic need for school building funds has been brought about, Kersey pointed out, by the fact that during the economic depression school boards adopted policies which either delayed or entirely disregarded the need for maintenance and existing buildings and new construction.

A study of recent school building expenditures shows that 69.2 per cent of the state total was spent by southern counties, 27.2 per cent by central counties, and 3.6 per cent by northern counties.

The fact that Southern California has 40 per cent of the pupils and the destruction of old buildings by earthquake, was cited as an explanation of the preponderance of expenditures in that district.

lumber Production Balanced By Orders Since First of Year

Due partly to the Decoration Day liday and partly to the longremen's strike on the Pacific Cast which is tying up all water shipments, the lumber movement ding the week ended June 2, was the lowest of any week since Janry, production, shipments and ords all declining to midwinter lev-

This comparison is based upon telegraphic reports to the Natnal Lumber Manufacturers' Asition from regional associations ering the operations of 1,425 nls whose production was 153,-2,000 feet; shipments, 149,751,000 ft; orders, 153,264,000 feet. Revsed figures for 1,510 mills for the ved ended May 26 were producti, 187,988,000 ft.; shipments 171-4,000 feet; orders 201,627,000 ft. Rlsed reports for the week ende May 19 indicated its new busin s was the heaviest of any week o 1934 to date, or 221,589,000 ft.

oftwood groups reported orders ave production except Western pe, Northern pine and Northern hemlock. Total softwood orders were 2 percent above production. All hardwood regions reported orders below output, total hardwood orders showing loss of 13 percent under output.

As during the 5 previous weeks orders fell below those of corresponding week of 1933, all regions but California Redwood reporting decline. Total orders were 40 per cent below those of similar week of last year; production was 12 per cent below that of a year ago and shipments were 33 percent below their last year's record.

Unfilled orders on June 2 were again below those of corresponding date of 1933, being the equivalent of 28 days' average production of reporting mills compared with 30 days a year ago.

During 22 weeks of 1934 to date, orders approximately balance production. They are only 6 percent above orders of similar period of 1933. Production is 44 per cent above that of the same weeks of last year.

GATE BRIDGE TO ASK BIDS ON NEW WORK

$350,000 Available for Presidio Reconstruction to be Let Within Month

Sale of $2,000,000 in bonds of the Golden Gate Bridge and Highway District approved by the directors Tuesday will permit a rapid expansion of the construction program. The bonds were sold at a price of $97.34557, the highest price yet paid for bonds of the district. The last block of bonds was sold at $96.034.

A Bank of America syndicate was the successful bidder.

The bond proceeds will finance contracts for reconstruction of government improvements at the Presidio which are to be relocated to clear the right-of-way for bridge structures and to make progress payments on contracts already let.

General Manager Jas. Reed said bids would be asked within a month on work at the Presidio. Work to be done includes removal and replacement of buildings, ammunition magazines, roads, railroad tracks and utilities. It will cost about $350,000. Directors will call for bids as soon as approval of plans has been received from the Army. The work will be done under three or four separate contracts, Mr. Reed said.

The balance of the bond money is allocated as follows: $215,000 to Barrett & Hilp contract on anchorages; $250,000 to Eaton & Smith contract for viaduct; $800,000 to Eaton and Smith contract for approaches; $400,000 to Pomeroy and Raymond Concrete Pile contract for approaches.

Highest Voltage Transformers for Boulder Project

Eleven power transformers for the Boulder Dam, seven of which are rated 55,000-kv-a. at 287,000 volts, the highest commercial voltage of any transformer ever built in the United States, will be manufactured at the Pittsfield, Mass., works of the General Electric Co. under the terms of a federal contract.

The larger transformers are water-cooled, will weigh over 400,000 pounds each, and are approximately 32 feet high, 20 feet wide, and 13 feet deep. The four smaller ones are rated 13,333-kv-a. at 138,000 volts and are forced-oil cooled.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

Recorded			Accepted
290	Segarini	Murer	5500
291	Diggins	Owner	1500
292	Pauson	Schedl	1000
293	Lurie	Jones	1000
293	Manning	McSheehy	1436
294	California	Owner	6500
295	Ghiotto	Benedette	1000
296	Bartel	Mullen	1900

APARTMENTS
(290) NO. 48 BOARDMAN PLACE. Two-story and basement frame apartments.
Owner—J. Segarini, Premises.
Architect—Not Given.
Contractor—L. Mprer, 127 Quesada St., San Francisco.

ALTERATIONS
(291) NO. 1600 FILLMORE STREET Alter store.
Owner—John Diggins, 1366 16th Ave., San Francisco.
Architect—Not Given. $1500

ALTERATIONS
(292) NO. 200 KEARNY ST. Alter store.
Owner—Pauson Co., 200 Kearny St., San Francisco.
Architect—Miller & Pfleuger, 580 Market St., San Francisco.
Contractor—F. W. Schell, 1651 24th Ave., San Francisco. $1000

ALTERATIONS
(293) NO. 314-322 THIRD STREET. Alter store.
Owner—The Lurie Co., 333 Montgomery St., San Francisco.
Architect—Not Given.
Contractor—P. K. Jones, 666 Mission St., San Francisco. $1900

REPAIRS
(293) NO. 3242 WASHINGTON ST. Repair fire damage to dwelling.
Owner—John C. Manning, 3242 Washington St., San Francisco.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace, S. F. $1436

STORAGE BLDG.
(294) SE EIGHTEENTH AND MINnesota Sts. Two-story frame storage building.
Owner—California Canneries Co., 18th and Minnesota Sts., San Francisco
Architect—Ellison & Russell, 712 Pacific Bldg., San Francisco. $6500

ALTERATIONS
(295) 4728 MISSION ST.; alter flats for apartments.
Owner—A. Ghiotto, 250 London St.
Architect—Not Given.
Contractor—A. De Benedette, 22 Cotter Street. $1000

ALTERATIONS
(296) 771 MARKET ST.; alter store.
Owner—I. Bartel, 771 Market Street.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch Street. $1900

ALAMEDA COUNTY

238	Herbold	Hopper	10000
239	Evers	Cone	3000
240	Moen	Owner	3000
241	Pereira	Owner	1950
242	Womens	Owner	2000

ALTERATIONS
(238) 4186 PIEDMONT AVE., OAKLAND; alterations.
Owner—E. L. Herbold, 4186 Piedmont Ave., Oakland.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Contractor—A. J. Hopper, 1769 Pleasant Valley Ave., Oakland. $10,000

ALTERATIONS
(239) 1900 TELEGRAPH AVE., OAKLAND; alterations.
Owner—Twentieth & Broadway Realty Co., 19th and Telegraph Ave., Oakland.
Architect—A. J. Evers, 525 Market St. San Francisco.
Contractor—Wilbur C. Cone, 608 16th St., Oakland. $3000

DWELLING
(240) NO. 6146 MAURITANIA AVE., OAKLAND. One-story 5-room dwelling.
Owner——Ole Moen, 4201 E-16th St., Oakland.
Architect—Not Given. $3000

DWELLING
(241) NO. 3321 COLUMBIAN DRIVE, OAKLAND. One-story 4-room dwelling and one-story garage.
Owner — Manuel Pereira, 1820 E-17th St., Oakland.
Architect—Not Given. $1950

ALTERATIONS
(242) NO. 525 BELLEVUE AVENUE OAKLAND. Alterations.
Owner — Womens Athletic Club, 525 Bellevue Ave., Oakland.
Architect—Not Given. $2000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
61	Union	Kelly	3748

ALTERATIONS
(63) NO. 415 JACKSON ST. All work for alterations and renovating a two-story brick building.
Owner—Harry B. Allen, Inc., 154 Sutter St., San Francisco.
Architect—Bertz, Winter & Maury, 681 Market St., San Francisco.
Contractor—Young & Horstmeyer, 641 Market St., San Francisco.
Filed June 8, '34. Dated June 5, '34.
On 5th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2740
Bond, none. Limit, 30 working days. Forfeit, none. Plans and specifications filed.

SERVICE STATION
(64) NW COR. CALIFORNIA Street and Arguello Blvd.; construct service station unit.
Owner—Union Service Stations, Inc.
Architect—Not Given.
Contractor—Robt. P. Keely, 2227 20th Avenue.
Filed June 13, '34. Dater June 12, '34.
14th of each month.....75%
Usual 35 days 25%
TOTAL COST, $3748
Bond, $3748. Sureties, Coast Surety Corp., Rowan Building, Los Angeles. Plans and Spec. filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
42	Hass	Person	4836

RESIDENCE
(42) 1176 STERLING AVE., BERKELEY; residence.
Owner—Glenn R. Hass.
Architect—Roland J. Stringham, 1152 Laurel St., Oakland.
Contractor—Emil Person, 829 San Luis Road, Berkeley.
Filed June 13, '34. Dater, June 9, '34.
Frame up $1209
Brown coated 1209
Completed 1209
Usual 35 days 1209
TOTAL COST, $4836
Limit, Sept. 15, 1934.

SAN FRANCISCO UNDER $1000

SIGN, electric, $70; 4370 Mission St.; owner, Avalon Cafe, 4370 Mission St.; contractor, Alta Elec. & Mech Co., 476 O'Farrell St.
SIGN, electric, $150; 329 Kearny St.; owner, Fredericksburg Brewery, Premises; contractor, Golden Gate Neon, 355 8th St.
SIGN, electric, $150; 1019 Van Ness Ave.; owner, Goodman, Premises; contractor, Apex Elec. Co., 363 Fell St.
ALTER flats, $20; 872 McAllister St.; owner, B. Fireman, 780 Hayes St
ALTER store, $50; 501 Baker Street owner, A. Margolis, Premises.
SIGN, electric, $300; 339 Eddy Street owner, Ritz Tavern, Prem.; contractor, Golden Gate Neon, 355 8th Street.
ALTER warehouse, $460; E Clarence Place 150 N Townsend St.; owner Sonoma Land Co., Sonoma County
ALTER dwelling, $150; 1319 16th Ave. owner, L. J. Fisher, 1319 16th Ave
ALTER store, $125; 4699 Mission St. owner, P. Ferro, 4699 Mission St. contractor, J. Oliva, 542 Vienna.
SIGN, electric, $75; 365 Embarcadero owner, Hannah's Place, Premises contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; 2545 24th Street owner, Car Barn Tavern, Premises contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER warehouse, $750; 98 Folson St.; owner, San Francisco Warehouse Co., 625 Third St.
ALTER flat, $185; 64 Webster St. owner, O. Braoler, Premises; contractor, Phillip Miller & Sons, 38 San Miguel.
SIGN, electric, $250; 2416 Mission St owner, Sun Liquor Co., 2416 Mission St.; contractor, Apex Elec Co., 363 Fell St.
SIGN, electric, $300; 555 Sutter Street owner, Club Moderne, Premises contractor, Golden Gate Neon, 355 Eighth St.
BILLBOARD, $6.25; SE Fillmore and Waller Sts.; owner, Foster & Kleiser Co., 1675 Eddy St.
BILLBOARD, $6.25; SW Bay Shore Blvd. and Silver Ave.; owner Foster & Kleiser Co., 1675 Eddy
ADD to public garage, $200; 2468-247 San Bruno Ave.; owner, E. Mulrensen, 2468 San Bruno Ave.
ALTER dwelling, $60; 115 Second Ave owner, J. P. Hages, 1825 Broderick St.; contractor, John Hink 1459 Van Ness Ave., South.
ALTER dwelling, $95; 70 De Soto St. owner, Miss Allan, Premises.
BARBER pole, $5; 5605 Geary Blvd. owner, Mark Morris, Premises contractor, Deckelman Bros., 4 Turk St.
SIGN, electric, $75; 1487 Alabama St. owner, Petes Tavern, Prem.; contractor, Elec. Prod. Corp., 25 Golden Gate Ave.
SIGN, electric, $200; 820 Pacific Ave. owner, New Century Beverage Co 820 Pacific Ave.; owner, Electric Prod. Corp., 255 Golden Gate.
SIGN, electric, $150; 3910 Mission St. owner, A. Stefanik, 3910 Mission

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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1— APARTMENTS

Plans Being Figured—Bids Close June 18.

ALTER APTS. Cost, $——
SAN FRANCISCO. Folsom and 12th Sts. (1629 Folsom St.)
Alterations to three-story frame and stucco apartment building (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St., San Francisco.
Fred Du Puy, 110 Sutter St. is figuring the plans and desires sub-bids on all portions of the work.

Contract Awarded.

TENEMENT Cost, $5000
SAN FRANCISCO. No. 48 Boardman Place.
Two-story and basement frame and stucco tenement.
Owner—J. Segarini, Premises.
Architect—Not Given.
Contractor—L. Murer, 1274 Quesada St., San Francisco.

Plans Being Prepared.

ALTERATIONS Cost, $——
SAN FRANCISCO. No. 1060 Pine St.
Alterations and addition to three-story frame flat building for apartment building to contain 12 apts. (work involves, carpentry, painting, plumbing, tile work, stairs, etc.)
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Bids will be asked in one week.

PREPARING PLANS

LOS ANGELES, Cal. — Architect Milton J. Black, Guaranty Bldg., is preparing working drawings and Security Finance and Building Co., Guaranty Bldg., will build a three and part four-story and basement apartment building on Rossmore Ave., near Rosewood, for S. F. Slusher. It will be a Modernistic type structure and will be of reinforced concrete and stucco construction, composition roofing, oak and pine floors, hardwood and pine trim, tiled baths, showers and drainboard, gas heating, elevators, electric refrigeration, steel sash, roof garden, basement garage, ornamental iron, etc. Cost, $100,000.

2— BONDS

BONDS FOR SALE

WHEATLAND, Yuba Co., Calif.—Wheatland Elementary School District will sell bonds in the amount of $33,000 on June 25, 2 P. M. Funds are to finance construction of a one-story concrete elementary school building in Wheatland for the Wheatland Elementary School District. George Sellon, California State Life Bldg., Sacramento, architect.

NO BOND BIDS

FOREST RANCH, Butte Co., Cal.—Forest Ranch School District did not receive any bids for the sale of bonds in the amount of $3150 on June 8. Funds were to have financed construction of a one-story frame and stucco school building for the Forest Ranch School District. Chester Cole, Chico, Architect.

BONDS SOLD

LOS ANGELES, Cal.—The Metropolitan Water District has sold to the Reconstruction Finance Corp. an additional block of district bonds amounting to $8,064,000. The bonds are part of the issue voted Sept. 29, 1931, to finance construction of the Colorado River Aqueduct.

BONDS SOLD

PALO ALTO, Santa Clara Co., Cal.—Palo Alto High School District sold bonds in the amount of $110,000 to Donnellan & Company and Brush Slocumb & Co. of San Francisco. The two companies offering a split bid paid a premium of $5993.33. Total interest on issue will approximate $40,026.67 or 3.24%. Funds are to finance construction of improvements at the Palo Alto High School and the Mayfield School. Birge M. Clark, 310 University Ave., Palo Alto, Architect. W. L. Huber, 1 Montgomery St., San Francisco, Engineer.

BONDS FOR SALE

SANTA ANA, Orange Co., Cal.—Until Tuesday, June 26, bids will be received by the Orange County Supervisors for the purchase of Anaheim Union High School District bonds in the sum of $275,000.

BONDS FOR SALE

LOS ANGELES, Cal.—Until 2 P. M., June 25, bids will be received by the Los Angeles County Supervisors for the purchase of San Marino City School District bonds in the sum of $85,000.

BONDS FOR SALE

BAKERSFIELD, Kern Co., Cal.—Until Monday, June 25, bids will be received by the Kern County Supervisors for the purchase of bonds of the Tehachapi Valley Union High School District in the sum of $28,000.

3— CHURCHES

Sub-Contracts Awarded.

CHURCH Cost, $30,000
SAN FRANCISCO. Fourteenth Ave. and Clement St.
One-story reinforced concrete and steel church (to seat 100); felt, gravel and terra cotta tile roof, some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect — F. W. Dakin, 625 Market St., San Francisco.
Contractor—Leo Epp, 4745 Geary St., San Francisco.
Plumbing—Philip Wesendunk, 236 Clement St., San Francisco.
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
As previously reported, electric was awarded Grandi Electric Co., 3373 Sacramento St., S. F.; lumber to Roth Meier Lumber Co., 2800 Third St., S. F.

COMPLETING PLANS

BAKERSFIELD, Kern Co., Cal.—Architect Georgius Y. Cannon, 901 Beaux Arts Bldg., Los Angeles, will complete plans in abount six weeks for alterations to a chapel and the addition of an amusement auditorium and stage in Bakersfield for the Church of Latter Day Saints. Construction will be frame, brick veneer exterior, wood shingle roofing, cement and oak floors, leaded glass, gas-steam radiators, etc.

Sub-Contracts Awarded.

ALTER CHURCH Cost, $2500
SAN RAFAEL, Marin Co., Cal.
Alterations to church.
Owner — First Church of Christ Scientist.
Architect — Albert Evers, 525 Market St., San Francisco.
Contractor—Wm. H. Dwyer, 146 Calumet Ave., San Anselmo.
Electric—Eklund Bros., San Rafael.
Mill Work — Fairfax Lumber Co., Fairfax.
Roofing—Booth & Little, Corta Madera
Sheet Metal—Pacific Heating Co., San Anselmo.
Painting—Weik Bros., San Anselmo.
Lumber—Fairfax Lumber Co., Fairfax.

4 — FACTORIES & WAREHOUSES

PLANNED

MODESTO, Stanislaus Co., Calif.—Modesto Brewery Co. has filed articles of incorporation with the Secretary of State. Directors of the company were named as follows: J. H. Anderson, San Francisco; William H. Henning, Alameda, and Jos. J. Murphy, Oakland.

PLANNED

SAN DIEGO, Cal. — Consolidated Aircraft Corp.; Maj. Reuben Fleet, president; Mr. Lee, purchasing agent, 2050 Elwmood Ave., Buffalo, N. Y., has resumed the preparation of plans for a manufacturing plant to be erected on a twenty-acre site at Lindbergh Field, San Diego. Work on the plans was stopped last fall, pending an improvement in business conditions. The proposed plant will consist of a one-story factory building, 300x500 feet; a two-story office building, 40x30 feet; a one-story hangar, 100x120 feet, and a one-story warehouse, 100x100 feet. They will be steel frame structures with brick and Transite walls, steel sash and Transite roofs. The San Diego harbor department will install sewer and water mains to the site and build spur tracks. It is the corporation's intention to transfer its entire operations from Buffalo to San Diego.

CONTRACT AWARDED

OAKLAND, Alameda Co., Cal.—Albertson McCormick Sprinkler Co., 865 Mission St., San Francisco, at $15,642 awarded contract by City of Oakland Port Commission for an automatic sprinkler system and fire hose piping in Terminal Building "E", Outer Harbor Terminal, Oakland.
Complete bids published June 6.

Reinforcing Steel Contract Awarded

WAREHOUSE, ETC. Cost, $121,000
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two-story reinforced concrete warehouse (518x101 feet) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors

electric elevator, 520 ft. of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner
Lessee—Rosenberg Bros, Oakland.
Contractor—K. E. Parker Co., 135 So. Park, San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets, San Francisco.
Other awards will be made shortly.

Roofing Contract Awarded
BREW HOUSE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. 1025 Cinnabar Street.
Four-story reinforced concrete brew house (24x66 ft.)
Owner—Pacific Brewing & Malting Co. Russ Bldg., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Roofing—Fred. Hayden, 69 Stockton Ave., San Jose.
Other awards reported May 24.

Planned
ADDITIONS Cost, $30,000
FRESNO, Fresno Co., Cal. Villa Ave. One acre site.
Spray plant (41x60 ft.) steel and corrugated iron construction; addition to fertilizer plant (53x60 ft.) with capacity of 40 tons of fertilizer; new warehouse (60x100 ft.) concrete foundations and floors.
Owner—Sunland Sulphur Co., Fresno.
Architect—Not Given.
Officers of the company are: T. L. Harper, president; E. G. Brink, vice-president; B. H. Jones, secretary and treasurer, and J. H. Wright, Supt. of Plants, all of Fresno.

CONTRACT AWARDED
RIVERSIDE, Cal.—W. P. Wiest & Co., 4338 Beatty Drive, Riverside, awarded contract at $19,260 for erection of a walnut packing house in Riverside, for the Riverside Walnut Growers' Association, to replace the building destroyed by fire last March. It will be a one-story and basement structure, 75x110 feet in area; concrete foundations, wood frame construction, metal lath and plaster exterior, composition roofing, maple floors, bins, plumbing, etc. Albert C. Martin, 228 Higgins Bldg., Los Angeles, architect.

Preparing Working Drawings.
RECTORY Cost, $——
VALLEJO, Solano Co., Cal. Sacramento St., bet. Florida and Kentucky Streets.
Two-story and basement frame and brick veneer rectory (18 rooms); steam heating system, slate or composition shingle roofing, etc.,
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Building will be occupied by the St. Vincents Ferrer Church (Rev. Father Butler, Rector), Vallejo.
Bids will be asked June 1.

PLANS BEING FIGURED
LOS ANGELES, Cal. — Knudsen Creamery Co., 1957 Santee St., is taking bids for a group of buildings to be erected at 1957 Santee St. for the company. The group will consist of an office building and a laboratory building, each two stories in height, and a storage building and a packing building, each one-story in height; steel frame construction, steel floor joists, wood roof trusses, loading platforms, insulation, mechanical equipment, etc. Cost $50,000. Ryan A. Grut, 1007 S. Grand Ave., structural engineer.

BIDS WANTED
COALINGA, Fresno Co., Cal.—Until June 25, 2 P. M., bids will be received by R. M. Gillis, District Engineer, Department of Public Works, Division of Highways, Fresno, for the construction of maintenance station buildings in Coalinga. Buildings consist of one standard truck shelter (valley type), 30x60 feet); one standard gasoline and oil house and one standard (small size) septic tank and leaching field; 1180 lin. ft. of fence and electrical service connections. Work includes excavation, concrete and masonry work, carpentry, mill work, sheet metal, painting, glazing, plumbing and electrical installations.
Plans and specifications may be obtained from above office upon deposit of $25.

Plumbing Contract Awarded.
WINERY AND OFFICES
Contract Price, $38,883
AMPERE, San Joaquin Co., Cal.
One-story winery (170x260 ft.) and 1-story frame office building (type of construction not determined), 750,000 gal. capacity.
Owner—Bear Creek Winery and Vineyard Assn. (L. K. Marshall, Gottfried Handel, Jos. Beckman, F. D. Balliet and David Baumbach, Directors).
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Contractor—George Roek, 1724 West Cornell St., Stockton.
Plumbing—Lodi Plumbing Co., Lodi, at $3125.
As previously reported, electric awarded to Electric Equip. Co., Lodi, at $2561; office building to Peter L. Hansen, Rt. 2, Box 103, Lodi, at $2580

PLANNED
LONG BEACH, Los Angeles Co., Cal.—R. Franklin Strong and associates, 112 W. Ninth St., Los Angeles, have applied to the Long Beach Harbor Commission for a lease on city-owner property fronting on Channel No. 3, Long Beach Harbor. The applicants propose erecting a storage terminal on the site to cost $1,400,000 and involving the construction of docks, bulkheads and sheds.

Planned
WINERY Cost, $——
ELK GROVE, Sacramento Co., Cal.
Construct co-operative winery (125,000-gallon capacity).
Owner—Elk Grove Fruit Growers' Association.
Architect—Not Given.
Directors of the Elk Grove Fruit Growers Association are Harry Markofer, R. H. P. Cornelius, Fred Mix, Lester Johnson, Bert Hunt, Raymond Russell and Ed Neher. James Rusby is manager of the association.

Sub-Contracts Awarded.
SAN FRANCISCO—De Luca & Son, Inc., 1745 Filbert St., awarded the following additional sub-contracts for the construction of a machine shop building (Airport Contract No. 33).
Work as follows Piling has been driven for foundation and cut-off at elevation 2.0. The new building to be founded on this piling of concrete footings. Structure will be two-story of reinforced concrete beam and slab floor construction, structural steel frame, timber walls covered with galvanized metal, 18x65 feet; timber roof covered with composition roofing, interior timber frame partitions.
Electric—H. S. Tittle, 85 Columbia Square, San Francisco.
Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts.
Sheet Metal—Morrison & Co., 74 Dubose St.
Glass—W. P. Fuller & Co., 301 Mission Street.
Steel Sash and Doors—Michel & Pfeffer Iron Works, Harrison and Tenth Sts.
Hardware—Marshall Newell, Spear & Mission Sts.
As previously reported:
Structural Steel — Golden Gate Iron Works, 1541 Howard St.
Reinforcing Steel — W. C. Hauck & Co., 17th and Wisconsin Sts.
Mill Work — Balboa Mill & Cabinet Co., 100 Havelock St.
Plumbing — Fred J. Baclocco, 3124 Geary St.
(4302) 1st report April 18; 5th May 23, 1934.

Plans Being Prepared
ELEVATOR, DOORS, ETC. $——
OAKLAND, Alameda Co., Cal. Outer Harbor.
Steel rolling doors, electric elevator and electric wiring for Terminal Building. "E".
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Lessee—Rosenberg Brothers.
Bids will be asked in about three weeks.

6— GARAGES & SERVICE STATIONS

Contract Awarded
SERVICE STATION Cost, $6000
SAN JOSE, Santa Clara Co., Calif. Market and Post Streets.
New service station (reinforced concrete construction).
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Pacific Truck Service, 915 Rialto Bldg., San Francisco.

Structural Steel Contract Awarded.
ALTER GARAGE Cost, $50,000
SAN FRANCISCO. Seventeenth, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Regents of the University of California, Berkeley.
Architect—Miller & Pflueger, 580 Market St., San Francisco.
Lessee—Pacific Greyhound Lines, Inc. 9 Main St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.

Bids Wanted — To Close June 26, 8 P. M.
BUS SHED Cost, $3500
SALINAS, Monterey Co., Cal. High School Site.
One-story frame and stucco bus shed (100x30 feet).
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 61 Maple St., Salinas.
Plans and specifications available from the architect upon deposit of $10.

Contract Awarded
STATION Cont. Price, $3,748
SAN FRANCISCO. NE Arguello Blvd. and California Street.
One-story Class A service station.
Owner—Union Oil Co. 1096 Mills Bldg.
Plans by Engineering Dept. of Owner.
Contractor—Robt. P. Kelly, 2227 20th Avenue.

7—FEDERAL BUILDING

LOW BIDDER
CORVALLIS, Ore.—Patterson Bros. Oakland, Calif., submitted low bid to Treasury Department at $844.00 for painting plaster in the U. S. post office at Corvallis.

BIDS WANTED

LAS VEGAS, Nev.—Until 2 P. M., June 29, bids will be received by the Treasury Department, Procurement Division, Public W'ks Branch, Washington, D. C., for painting plaster in the U. S. post office at Las Vegas. Specifications may be obtained from the department in Washington or from the custodian of the building in Las Vegas.

BUILDING MATERIALS APPROVED

SAN FRANCISCO. — Public Works Branch, Treasury Dept., Washington, D. C., has approved following equipment, etc., for the construction of the Federal Office Building in San Francisco. Great Lakes Const. Co., 333 N. Michigan Ave., Chicago, is the general contractor:

Potheads, Anaconda Wire & Cable Co.; rigid steel conduit, Youngstown Steel & Tube Co.; electric metallic tubing, Steel & Tubes Co.; copper conduit, Ananconda Wire & Cable Co. watertight floor boxes, Steel City El. Co.; wire and cable, Paranite Wire & Cable Corp., for rubber-covered and lead-covered; wire and cable, Anaconda Wire & Cable Co., for paper insulated, lead-covered and steel armored; flush wall switches, Arrow, Hart & Hegeman Elec. Co.; door switches, Arrow, Hart & Hegeman Elec. Co.; safety switches, Bull Dog Elec. Mfg. Co.; plug wall receptacles, Arrow, Hart & Hegeman Elec. Co.; plug floor receptacles, Arrow, Hart & Hegeman Electric Co.; lighting panel boards, lighting panel boards circuit breakers, I. T. E. Circuit Breaker Co.; power panels and sub-switchboards, Bull Dog Elec. Mfg. Co.; main switchboards and circuit breakers, I. T. E. Circuit Breaker Co.; fuses, Bussman Mfg. Co.; transformers, Dongan Elec. Co.

Recessed lighting fixtures and vapor-proof fixtures, Russell & Stoll Co. clock equipment, Warren Telechron Co.; batteries, Electric Storage Battery Co.; charging and control equipment, General Electric Co.; expansion joints for heating, American District Steam Co.; rotating disc blow-off valves, Crosby Steam Gage & Valve Co.; thermostatic traps, Milwaukee Valve Co.; valves, gate Reading-Pratt & Cady Co.; boilers, Kewaunee Boiler Co.; oil burning equipment, S. T. Johnson Oil Burner Co.; vacuum pump, Nash Eng. Co.; radiator valves and mechanical traps, Milwaukee Valve Co.; cast iron radiation, U. S. Radiator Corp.; special radiators, Chase Brass & Copper Co.; temperature control, Johnson Service Co.; ventilating fans, B. F. Sturtevant Co.; fan blast heaters, Trane Co.; motors and motor starters, Westinghouse El. & Mfg. Co.; gauge board, James A. Nelson; gauge board instrument, Jas. P. Marsh Corp.

BIDS WANTED

NOGALES, Arizona.—Until 2 P. M., July 10, bids will be received by the Treasury Department, Procurement Division, Public W'ks Branch, Washington, D. C., for the construction of the U. S. immigration station at Nogales.

BIDS WANTED

SALT LAKE CITY, Utah—Until June 27, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Salt Lake City, Utah. Specifications available from above office and from the Custodian of the Building, Salt Lake City.

BIDS WANTED

OROVILLE, Wash.—Until June 26, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., for the U. S. Inspection Station, Oroville, Washington. Specifications available from above office and from the Custodian of the Building, Oroville, Washington.

BIDS WANTED

SAN LUIS, Arizona—Until June 27, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster in the U. S. Inspection Station, San Luis, Arizona. Specifications available from above office and from the Custodian of the building at San Luis.

TO ASK BIDS

MARYSVILLE, Yuba Co., Cal.—Treasury Department will advertise for bids shortly for new concrete floor to be installed in the United States Post Office at Marysville.

CONTRACT AWARDED

CHICO, Butte Co., Cal.—Nick Hemmings, 627 38th Ave., at $685 awarded contract by Treasury Department, for entrance vestibule in the U. S. Post Office, Chico.

BIDS WANTED

TACOMA, Wash.—Until June 22, bids will be received by Purchasing Agent, Post Office Dept., Washington, D. C., for furniture and screen line equipment for the U. S. Post Office, Tacoma, Washington.

EQUIPMENT APPROVED

SAN JOSE, Santa Clara Co., Cal.—Treasury Department approved the contract for vacuum pumps awarded to C. A. Dunham Co. for the San Jose Post Office. W. J. Ochs, San Jose, general contractor.

BIDS WANTED

SAN LUIS, Arizona—Until June 29, bids will be received by Public Works Branch, Procurement Division, Treasury Dept., Washington, D. C., for air conditioning system in the U. S. Post Office, San Luis, Arizona.

BIDS WANTED

SEATTLE, Wash.—Bids are being received by the Custodian, Federal Office Bldg., Seattle, for waterproofing parapet on the Federal Office Building, Seattle, Wash.

BIDS WANTED

SUMAS, Wash.—Until June 28, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster in the Inspection Station, Sumas, Washington. Specifications available from the above office and from the Custodian of the Building at Sumas.

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until June 28, 2 P. M., bids will be received by Treasury Department, Public Works Branch, Washington, D. C., for painting plaster in the U. S. Post Office, Stockton. Specifications available from above office and from the Custodian of the building at Stockton.

COMPLETE BIDS

DOUGLAS, Arizona—As previously reported, Taylor & Son, Douglas, Ariz. at $1997 submitted low bid to Treasury Department for painting plaster in the U. S. Inspection Station, including public health unit at Douglas. Only other bids was submitted by Edward Powell, Douglas, at $2065. Bids held under advisement.

(4528) 1st report May 18; 2nd June 7, 1934.

COMPLETE BID LISTING

CASPER, Wyoming—As previously reported, D. J. Inman, Danville, Ill., at $725 submitted low bid to Treasury Department for painting plaster in the U. S. Post Office at Casper. Following bids received:

D. J. Inman, Danville, Ill.	$ 725
Arthur M. Gelden Co., Chicago	2833
C. R. Peterson, Denver	2994
W. J. Gomel Deco. Co., Denver	3437
Gittle & Davis, Casper	3465
J. W. Redwine, Casper	4835
Standard Paint Store, Thermopolis, Wyoming	5700
John Jourgenson Paint Co., Inc., Casper	6850

BIDS OPENED

STOCKTON, San Joaquin Co., Cal.—As previously reported, Walter E. Zerwick, 517 E. Channel St., Stockton, at $170 submitted low bid to Treasury Department, Washington, D. C., for insect screens in the U. S. Post Office, Stockton. Only other bid was submitted by Chamberlain Metal Wettherstrip Co., Detroit, Michigan, at $299.92. Bids held under advisement.

(4529) 1st report May 18; 2nd June 6, 1934.

FUNDS ALLOTTED

COVINA, Los Angeles Co., Cal.—Treasury Department has been allotted $64,000 for a new Post Office building to be erected in Covina.

FUNDS ALLOTTED

MONROVIA, Los Angeles Co., Cal.—Treasury Department has been allotted $116,000 for a new Post Office building to be erected in Monrovia. 7

Completing Plans

UTILITY BLDG. Cost, $117,900
YOSEMITE VALLEY, Merced Co.
One - story fireproof utility building (concrete walls and floors, structural steel frame, hollow tile dividing walls).
Owner—U. S. Government (National Park Service).
Plans by E. M. Hilton, Park Engineer Yosemite National Park.
Bids will be asked in two weeks.
(3026) 1st report Nov. 9, 1933; 4th, April 28, 1934.

COMPLETE BID LISTING

LOS ANGELES, Cal.—As previously reported, Winter Const. Co., 2404 W. 7th St., Los Angeles, at $22,470 submitted low bid to Veterans' Administration, Washington, D. C., for construction of alterations to conecting corridors at the Wadsworth Hospital, Veterans' Administration Facility at Los Angeles. Work includes excavation work, reinforced concrete, hollow tile, brick work, cast stone, tile, sheet metal, metal lathing, stucco, carpentry, insect screens, painting glazing, electrical work and connections to electric distribution system.

Complete bids follow:

Winter Const. Co., L. A.	$22,470
Willard, Lutz, Los Angeles	25,000
Chas. J. Dorfman, L. A.	25,794
R. E. Campbell, L. A.	27,750
Easton & Messer, L. A.	28,000
H. M. Baruch Corp., L. A.	28,000
George Crevic, et al, L. A.	29,360
Theo. A. Beyer Corp., L. A.	30,981
J. F. Cobler, L. A.	32,839

(4441) 1st report May 8; 2nd, June 6, 1934.

CONTRACT AWARDED

CEDAR CITY, Utah—M. C. Roberts Plumbing, Heating & Refrigerating Co., 43 N. Main St., Cedar City, Utah, awarded contract by Treasury Department, at $1150, for new toilets and partitions to be installed in the United States Post Office at Cedar City.

Complete Bid Listing.
EXTEND P. O. Cost, $110,000
SANTA CRUZ, Santa Cruz Co., Cal.
Extension and remodeling of present post office bldg. (stone and terra cotta exterior, tile roof, etc.)
Owner—United States Government.
Plans by Treasury Dept., Washington D. C.
Complete bids follow:
K. E. Parker Co., S. F.....$ 90,980
William Spivock, S. F..... 91,339
Dinwiddie Constr. Co.,S. F..... 93,000
R. E. McKee, Los Angeles..... 95,000
Wm. MacDonald Constr. Co., St. Louis, Mo..... 96,323
Schuler & McDonald, Inc, Oakland 102,000
Bids held under advisement.

BIDS WANTED
SAN DIEGO, Cal.—Until July 11, bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of seven hangars to be erected at the Naval Operating Base, San Diego. Estimated cost, $245,000.

PLANNED
TORRANCE, Los Angeles Co., Cal. —City Engineer F. R. Leonard, Torrance, has been instructed by the Treasury Department to make a topographical survey and soil investigation of the recently acquired post office building site on Marcelina Ave., Torrance. The sum of $63,800 has been allocated for the project.

BIDS WANTED
MARE ISLAND, Cal.—Until July 10, 11 A. M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for furnishing and installing heat insulating covering for breeching flue connections, heaters and storage tanks at the Central Power Plant, U. S. Navy Yard, Mare Island. Work consists of the removal of existing covering on breeching and furnishing and installing of isulating covering on the following: breechings, boiler flue connections, heater, storage tank with float boxes and the miscellaneous pipe connections pertaining to the heater and storage tank, the waterproofing and painting of the covering and the furnishing and installing of steel base boards, all as specified. Specification No. 7707.
Plans and specifications available from above office and from the Chief of the Bureau of Yards and Docks, Navy Department, Washington, D. C., upon deposit of $5.00.

BIDS WANTED
SAN DIEGO, Cal.—Until 11 A. M., June 28, bids will be received by the Public Works Department, 11th Naval District, San Diego, for services to final assembly shop at the Naval Operating Base (Air Station), San Diego; Specification 7711. The work consists of the provision of materials for and the installation, in connection with the existing final assembly shop, of (a) 3-phase, A. C. electric current distributing system extending from manhole outside the building to and distributed to various points throughout cutouts, main switch, panels, wiring, steel conduit and electrical appliances; and (b) 1-inch diameter gas pipe, approximately 450 feet long, extending from an existing gas main located adjacent to and outside the building to a capped outlet inside the building. Bidding data may be obtained from the District in San Diego upon deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks.

BIDS WANTED
OAKLAND, Cal. — Until 2 P. M., June 29, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for linoleum to be installed in the United States Post Office at Oakland.

8— CLUB BUILDINGS

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Cal. No. 525 Bellevue Avenue.
Alterations to club building.
Owner—Womens Athletic Club, Prem.
Architect—Not Given.

9— HOSPITALS

CONTRACTS AWARDED
SAN FRANCISCO—General Electric Co., Russ Bldg., and Scott Co., 243 Minna St., awarded contracts by Bureau of Supplies for hospital equipment for the City of County of San Francisco.

PLANNED
YUMA, Ariz.—H. B. Jolly, superintendent of the Yuma Indian Reservation, announces that razing of the government day school on Indian Hill at Yuma is practically completed. The government recently appropriated $75-000 for a new hospital building to be erected on the site.

BIDS WANTED
HAMILTON FILED, Marin Co., Cal. —Until June 27, 11 A. M., bids will be received by Constructing Quartermaster, Hamilton Field, for furnishing and installing kitchen equipment in the hospital building at Hamilton Field. Plans and specifications may be obtained from the above office upon deposit of $5.00, and may be seen at the office of the Constructing Quartermaster, Fort Mason.

10— HOTELS

Sub-Contracts Awarded.
REPAIR HOTEL Cost, $50,000
SAN FRANCISCO, Geary and Powell Streets.
Repair fire damage to Italian Room in St. Francis Hotel.
Owner—Crocker Hotel Co., Geary and Powell Streets.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Electric — H. S. Tittle, 85 Columbia Square, San Francisco.
Ornamental Plaster—August Dackert, 1450 15th St., San Francisco.
As previously reported, lumber was awarded McCallum Lumber Co., 748 Bryant St., San Francisco.

Plans Being Figured—Bids Close June 26, 2 P. M.
ALTER HOTEL Cost, $100,000
SAN FRANCISCO, No. 44 Fourth St.
Alterations and addition to eight-story hotel building; electrical work, plumbing, painting, hardware, etc.
Owner—Society of California Pioneers
Architect—A. R. Denke, 1429 Broadway, Oakland, and 44 Fourth St., San Francisco.
Bids are being taken for a general contract with separate bids for painting, electrical work, and plumbing and will be opened June 26, at 5 Pioneer Place, San Francisco, by owner.

Contract Awarded
ALTER HOTEL Cost, $2500
VALLEJO, Solano Co., Cal. Virginia and Santa Clara Streets.
Alterations to hotel.
Owner—Manx Hotel, Premises.
Architect—Not Given.
Contractor—Geo. Barenchi, 921 Kentucky St., Vallejo.

11—ICE AND COLD STORAGE PLANTS

BIDS WANTED
YUMA, Ariz.—Until 2 P. M., June 29, bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for air conditioning at the United States Post Office in Yuma, Arizona. Plans and specifications may be obtained from the department in Washington or from the custodian of the building in Yuma. Appropriation is $20,000.

CONTRACT AWARDED
LOS ANGELES, Cal. — Person & Thiele, 6206 San Vicente Blvd., Los Angeles, was awarded contract at $33,387.41 by Los Angeles Board of Public Works, June 8, for constructing the Tunnel Station Bridge. The proposed structure will be built on San Fernando Road at Tunnel Station and will be a reinforced concrete girder type bridge, 300 feet in length with a 40-ft. roadway and one 5-ft. walk. The work will consist of building two wedge-shaped structure to widen the present structure and to realign the roadway.

CONTRACT AWARDED
SANTA BARBARA COUNTY, Cal. —L. C. Seidel, 680 14th St., Oakland, at $29,597, awarded contract by State Highway Commission, Sacramento, for the construction of a reinforced concrete slab bridge over the existing highway near the easterly limits of the City of Santa Barbara, onsisting of one 55-ft. span; two 35-ft. spans, and two 11-ft. end cantilevers.

LOW BIDDER
WHIPPLE, Ariz. — Kohlenberger Engineering Co., Fullerton, submitted low bid to the Veterans' Administration June 12, at $28,446, for installing additional refrigeration in Buildings 45, 47 and 81, Veretans' Administration Facility, Whipple, Arizona.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

PLANNED
PERRIS, Riverside Co., Cal.—Perris City Council has appointed a committee, composed of Mayor Michler, Ira L. Haas and W. R. Sweeney, to obtain tentative plans and estimates of cost for a proposed new city hall building for Perris. It is the intention of the council to request Federal funds under the SERA with which to finance a portion of the work.

Sub-Contracts Awarded.
MEMORIAL Cont. Price, $62,639
MONTEREY, Monterey Co., Cal. Civic Center.
Two-story steel frame and reinforced concrete Memorial (to house city offices) tile roof, steam heating system, plaster exterior, etc.
Owner—Trustees of Few Estate (to be deeded to the City).
Architct—W. C. Raiguel, Hotel Del Monte and C. J. Ryland, Monterey.
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Heating—Phillips Heating & Plumbing Co., Monterey.
Electric Wiring—Langlais Electric Co. Pacific Grove.
Mill Work—Work Lumber Co., Monterey.
Structural Steel—Truscon Steel Co., Call Bldg., San Francisco.
Reinforcing Steel—Concrete Engineering Co., 1280 Indiana St., S. F.
Roofing—C. L. Frost, Monterey.
Sheet Metal — Phillips Heating and

Plumbing Co., Monterey.
Painting—Chas. W. Allaire, Monterey
Plastering—Leonard Bosch, 290 Tehama St., San Francisco.
Tile Work—C. L. Frost, Monterey.
Glass and Glazing—Work Lumber Co., Monterey.
Lumber—Tynan Lumber Co., Monterey.
Hardwood Floors — J. W. Shaney, Pacific Grove.
Brick Work—A. Marotta, Monterey.
Window Shades—Rudolph Furniture store, Monterey.

14— RESIDENCES

June 8, 1934

Contract Awarded.
RESIDENCE Cost, $2452
REDWOOD CITY, San Mateo Co., Cal. Robinson Subdivision.
One-story and basement frame and stucco residence (5 rooms).
Owner—W. A. Helper.
Architect—Not Given.
Contractor — Hugh MacDonald, San Carlos.

Bids Rejected.
RESIDENCE Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. Pastiempo Estate.
One-story wood frame residence (7 rooms and 4 baths) all wood construction, shingle roof, gas heating system, etc.)
Owner—Vincent K. Butler.
Architect—W. W. Wurster, 260 California St., San Francisco.
Construction postponed indefinitely.

Plans Being Prepared.
RESIDENCE Cost, $3000
ORINDA, Contra Costa Co., Cal.
One-story rustic residence (board and batten exterior).
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, $6000
PIEDMONT, Alameda Co., Cal. Piedmont Pines.
Two-story frame and stucco residence (6 rooms, 2 baths) shake roof, gas hot air heating system, steel sash, hardwood floors, etc.
Owner and Builder — F. W. Confer, 2800 Shasta Road, Berkeley.
Architect—Fred Confer, 2181 Russell St., Berkeley.

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 4004 Oakmore Road.
One-story and basement frame and stucco residence (6 rooms) tile roof, gas heating system, wood sash, hardwood floors, etc.
Owner and Builder—O. W. Johnson, 4237 Atlas Ave., Oakland.
Architect—Not Given.

Additional Sub-Contracts Awarded.
RESIDENCES Cost, $——
BERKELEY, Alameda Co., Cal. Thousand Oaks.
Two one-story frame and stucco residences.
Owner—F. Hilthon.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Contractor—Flener & Griffin, 1921 26th Ave., Oakland.
Sewers—John White, 3214 E-12th St., Oakland.
Hardware—B. Simon Hardware Co., 639 Broadway, Oakland.
As previously reported, sheet metal warded to Mauck Sheet Metal Wks. 117 66th St., Oakland; roofing to W. . Rideout, 641 Central Ave., Alameda; plastering to Fonseca & Perry, 620 46th Ave., Oakland.
(4120) 1st report March 28; 3rd May 14, 1934.

To Be Done By Day's Work
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. 130 Southwood Drive.
Two - story and basement frame and stucco residence.
Owner and Builder—Aro & Okerman, Box 433, Palo Alto.
Plans by Owner.

Contract Awarded
RESIDENCE Cost, $3000
REDWOOD CITY, San Mateo Co., Cal. 1326 Jefferson Avenue.
One-story frame and stucco residence (six rooms).
Owner—Marjorie Ogden.
Architect—Not Given.
Contractor—B. Ogden, Box 482, Redwood City. 14

Sub-Bids Being Taken.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. No. 1092 Park Lane.
Two-story frame and stucco residence (7 rooms).
Owner and Builder—Moritz A. Rose, 242 Sacramento St., Berkeley.
Architect—F. H. Slocombe, 131 Monte Cresta Ave., Oakland.
Sub-bids are being taken on plumbing, plastering, tile work, brick work, electric, gas furnace, hardwood floors, hardware, painting, sash and doors.

June 11, 1934

Contract Awarded.
RESIDENCE Cost, $7000
LARKSPUR, Marin Co., Cal. Baltimore and Magnolia Aves.
Owner—C. Papajohn.
Architect—Not Given.
Contractor—C. W. Rice, 7 Ward St., Larkspur.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
STOCKTON, San Joaquin Co., Cal. No. 717 West Harding Way.
One-story and basement frame and brick veneer residence (6 rooms)
Owner—R. R. Wagner, 343 E. Weber St., Stockton.
Architect—Not Given.
Contractor—Wm. E. Wheeler, 244 E. Pine St., Stockton.
Masonry—D. J. DePauli, 982 Pleasant Avenue.
Heating—E. D. Cooley, 839 N. Stockton Street.
Plumbing—W. J. Jack.
Electric Wiring — Hild Electric Co., 128 W. Main St.
Mill Work—Fisher Bros., Wilson & Weber Streets.
Structural Steel—Rudo Marchall, 834 E. First St.
Reinforcing Steel — F. A. Klinger, West's Lane.
Roofing — San Joaquin Lumber Co., Scotts Ave. and Madison St.
Sheet Metal — Triangle Sheet Metal Works, 1520 Waterloo Road.
Painting—Claude Rice, 1328 E. Oak Street.
Plastering—E. E. Gorden, 1622 S. Sutter Street.
Tile Work—Stockton Tile Co., 523 E. Channel St.
Glass and Glazing—W. P. Fuller Co., 218 S. Aurora St.
Lumber — Fisher Bros., Wilson and Weber Sts.
Hardware—Austin Bros., 544 E. Main Street.
Grading and Excavation — D. J. De Pauli, 982 Pleasant Ave.
Hardwood Floors—McLean Hardwood Co., Sutter and Hazelton Sts.
Brick Work—Robert Davisdon, 1432 S. Hunter Street.
All bidders of Stockton.

Plans Being Completed.
ALTER RESIDENCE Cost, $1500
HEALDSBURG, Sonoma Co., Cal.
Alterations to one-story frame and stucco residence.
Owner—Ben Ratner, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked within one week.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 6146 Mauritania Avenue.
One-story and basement frame and stucco residence.
Owner and Builder—Ole Moen, 4201 E-16th St., Oakland.
Plans by Owner.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. No. 1752 Leimert Blvd.
Two-story frame and stucco residence 6 rooms), English style.
Owner and Builder—W. H. Warren, 2802 Fruitvale Ave., Oakland.
Architect—Not Given.
Landscaping — California Nursery Co., Fabrico, Niles.
Painting—Ed. Scanlan, 2199 40th Ave., Oakland.
Hardware—Marcus Cut-Rate Hardware & General Merchandise Co., Seventh and Washington Sts.
Flat Cement Work — Otto Hennig, 3527 Suter St., Oakland.

Additoonal Sub-Contracts Awarded.
RESIDENCES Cost, $——
ALAMEDA, Alameda Co., Cal. Lincoln Ave. and Gibbins Drive.
One and one-half-story frame and stucco residence (6 rooms).
Owner—C. Lyons.
Architect—Not Given.
Contractor—Cliff Hansen, 1500 Santa Clara Ave., Alameda.
Sheet Metal—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.
Millwork—Pacific Manufacturing Co., 1315 Seventh St., Oakland.
Electric — Ansells Electric Co., 1401 Park St., Alameda.
Roofing—Reinforced Roofing Co., 676 45th St., Oakland.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Acacia Ave. near Ocean View Drive.
One and one-half-story residence (5 rooms).
Owner—Victor Rohmer.
Architect—Not Given.
Contractor—James L. Rich, 556 37th St., Oakland.
Roofing—Marshall Shingle Co., 3729 Telegraph Ave., Oakland.
Painting — A. Van Heerden & Co., 6260 College Ave., Oakland.
Electric — Paramount Electric Co., 2416 Telegraph Ave., Oakland.
Concrete — Douglas & Wolfe, 5351 Fairfax Ave., Oakland.
Heating — Pollard-Seagrave Co., 472 20th St., Oakland.
Other awards reported May 10.

Plans Being Figured
ALTERATIONS Cost, $7000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus.
Alterations and additions to sorority house (new front, etc.)
Owner—Kappa Gamma Sorority.
Architect—J. K. Branner, 210 Post St., San Francisco.

Construction Under Way.
RESIDENCE Cost, $——
SAN ANSELMO, Marin Co., Cal.
Two-story frame and stucco residence (7 rooms and 2 baths).
Owner—F. H. Allen, 165 Crescent Rd., San Anselmo.
Architect — N. W. Sexton, deYoung Bldg., San Francisco.
Construction has been started by the owner on a day's work basis.

Sub-Contracts Awarded.
RESIDENCE Cost, $4500
OAKLAND, Alameda Co., Cal. No. 882 E-41st Street.
One-story frame and stucco residence (5 rooms).
Owner—Withheld.
Architect—Not Given.
Contractor—Robert J. Barr, 596 Chetwood St., Oakland.
Roofing — A. K. Goodmundson, 45th Ave. and Clement St., Oakland.
Steel Sash—East Bay Glass Co., 621 Sixth St., Oakland.

Contract Awarded.
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. No. 1176 Sterling Avenue.
One-story frame and stucco residence.
Owner—Glenn R. Haas, 2449 Dwight Way, Berkeley.
Architect — Roland Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Luis Road, Berkeley.

Contract Awarded
RESIDENCE Cost, $40,000
RENO, Nevada. Nixon and California Avenues.
Two-story residence (16 rooms).
Owner—Mrs. Lyella Rhodes Garvey.
Architect—P. A. Williams, 3829 Wilshire Bldg., Los Angeles.
Contractor—C. D. Jameson, 220 Maple St., Reno.

Lighting Fixture Contract Awarded
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus (Lagunita Court).
Group of two-story frame and stucco bldgs. (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park, San Francisco.
Special Lighting Fixtures—Homer Ansley, 609 Sutter St., San Francisco, approx. $2,300.
Other awards previously reported.

15— SCHOOLS

CONTRACTS AWARDED

SANTA BARBARA, Cal.—Charles M. Urton, 18 N. Calle Alamo Street, Santa Barbara, awarded general contract by the Santa Barbara Board of Education at $48,908, for the construction of a new school building to replace the old Garfield structure in the Oak Park District of Santa Barbara. Other contracts were awarded as follows: Plumbing to Ott Hardware Co., 727 State St., Santa Barbara, at $4472; heating to Carroll & O'Meara, 113 E. Haley St., Santa Barbara, at $1627.85; electric wiring to California Electric Co., 30 E. Victoria St., Santa Barbara, at $2269. Award of the painting contract was deferred until June 18. The building will be a one-story structure, containing eight classrooms and an auditorium; wood frame construction, stucco exterior, metal lath and plaster interior, tile and composition roofing, concrete floors, etc. Edwards & Plunkett, 114 E. De la Guerra, Santa Barbara, Architect.

BIDS OPENED

SAN FRANCISCO.—Gill-Mann Co., 629 Fulton Street, at $3,777.74 submitted low bid to Department of Public Works for furnishing and installing new blackboards in Denman Grammar School, Pierce Street between Fell and Hayes. Following bids received:

Gill-Mann Co. $3,777.74
Rucker Fuller Co. 4,488.00
American Seating Co. 4,540.00
Fred. E. Turner Co. 4,743.00
Bids held under advisement. *

Commissioned To Prepare Plans
SCHOOL Cost, $100,000
SAN FRANCISCO. 30th Avenue near Lawton Street.
Construct Lawton School.
Owner—City and County of San Francisco.
Architects—Dodge R. Riedy, Pacific Bldg., and Charles E. J. Rogers, Phelan Bldg.
Further details will be announced shortly.

Commissioned To Prepare Plans
SCHOOL Cost, $250,000
SAN FRANCISCO. 45 Schwerin St.
Construct Visitacion Valley School.
Owner—City and County of San Francisco.
Architects—Hyman and Appleton, 68 Post St. and Albert G. Lansburgh, 140 Montgomery St.
Further details will be announced shortly.

Commissioned To Prepare Plans
SCHOOL Cost, $300,000
SAN FRANCISCO. 150 Brompton.
Construct Glen Park School.
Owner—City and County of San Francisco.
Architects—Louis P. Hobart, Crocker Bldg. and Bliss and Fairweather, Balboa Bldg.
Further details will be announced shortly.

Commissioned To Prepare Plans
SCHOOL Cost, $375,000
SAN FRANCISCO.
Construct Marina Junior High School.
Owner—City and County of San Francisco.
Architects—Geo. Kelham, 315 Montgomery St., W. P. Day, Financial Center Bldg., and J. Bakewell, Jr. 251 Kearny Street.
Further details will be announced shortly.

Bids Wanted — To Close June 26, 8 P. M.
ADDITIONS Cost, $6000
ALAMEDA, Alameda Co., Cal. Central Ave. and Oak Street.
Reinforced concrete and steel shop building addition to Alameda High School.
Owner—Alameda High School District
Architect—Carl Werner, 1303 Bay St., Alameda.
Plans and specifications available from Wm. G. Paden, Secretary, Alameda Board of Education, Administration Bldg., Oak St. and Alameda Ave., Alameda, upon deposit of $25.

NEW BIDS WANTED

SAN FRANCISCO.—Until June 27, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for electrical work for the Bay View School, located at the southeast corner of Bay View and Flora Streets.

Work includes rewiring of basement floor, conduit to be Sheraduct Greenfield duct or equal; wire to be approved rubber covered wire; switches to be Hart and Hogeman, Bryant Electric or equal, of the flush tumbler type with bronze composition indicating handle; base plugs to be Hart and Hogeman Co. or Bryant Electric Co., or equal.

On previous bid opening lowest bid was submitted by Fred. Johnson, 3363 Army St. at $1,790.

COMPLETE BID LISTING

LOS ANGELES, Calif.—Sarver and Zoss, 1015 W 4th St., Los Angeles, submitted low general contract bid to Regents of the University of California at $177,260, for the construction of a wing addition to the chemistry building at the University of California at Los Angeles. Other low bids were: Munger & Munger, 174 E Union Ave., Pasadena, on heating and ventilating at $43,385; Howe Bros. 119 S. San Pedro St., Los Angeles, on plumbing at $31,879; Howe Bros., on heating, ventilating and plumbing combined at $76,276; Moore Electric Co., 321 W. Third St., Los Angeles on electrical work at $20,636; Whea Cabinet & Fixture Co., 1741 E .15th St., Los Angeles, on furniture at $32. 315. The bids were taken under advisement until the next meeting of the Regents, which will be held on June 21. Architect George W. Kelham, 315 Montgomery St., San Francisco, prepared plans for the building It will be a three-story and basement structure; steel frame construction concrete and brick walls, concrete floors and stairs, brick exterior ,terra cotta tile roof, ornamental terra cotta, steel windows, metal furring and lathing, dampproofing, marble and tile work, hollow metal doors, slate blackboards, ventilating, high and low pressure steam and return piping, etc. H. J. Brunnier, structural engineer Sharon Bldg., San Francisco; Hunter & Hudson, mechanical engineers, 4 Sutter St., San Francisco. The bids follow:

General Work

Sarver & Zoss, $177,260; (a) omitting basement, deduct $1588; 220 days.
Bannister - Field Co., $182,898; (a) $2040; 200 days.
Wm. C. Crowell, $188,000; (a) $2,236; 255 days.
Clinton Const. Co., $188,600; (a) $2,560; 180 days.
H. Mayson, $193,975; (a) $2300; 20 days.
Robert E. McKee, $194,730; (a) $2,260; 300 days.
Easton & Nesser, $196,800; (a) $1,730.
Herbert M. Baruch Corp., $199,72 (a) $1750; 235 days.
Pozzo Const. Co., $199,750; (a) $2000; 210 days .
H. A. Nichols, $201,436; (a) $1900.
C. J. Kubach-Snyder Co., $203,46 (a) $1793; 245 days.
Myers Bros., $204,313; (a) $1621; 18 days.
T. A. Bayer Corp., $212,990; (a) $1700; 300 days.
Geo. Hess, $214,412; (a) $2300; 30 days.
Reed & Maiser, $222,222; (a) $180 200 days.

Heating and Ventilating

Munger & Munger, $43,385; How Bros., $44,597; Lohman Bros., $45,45 Johnston & Washer, $45,597; Alta E & Mech. Co., $49,890; B. K. Stoneman $41,796 (bid not signed).

Plumbing

Howe Bros., $31,879; Lohman Bros $32,922; Harry Barkelew Co., $33,42 Johnston & Washer, $34,855; B. K Stoneman, $35,320 (bid not signed).

Heating, Ventilating and Plumbing

Howe Bros., $76,276; Lohman Bros $77,000; B. K. Stoneman, $77,000 (b not signed).

Electrical Work

Moore Electric Co., $20,636; Geran Vande, $23,333; Safeway Electric C and H. O. Bauerle, $23,449; Newbe Electric Corp., $23,580; E. C. Nick $23,770; Bennett & Taylor, $26,849; R. Jones Electric Co., $27,420.

Furniture

Wheat Cabinet & Fixture Co., $32 315; Anderson School Equipment C $34,780; Pacific Mfg. Co., $39,42 American Seating Co., $42,296; Wel Invincible Mfg. Co., $42,781; G. Brandin & Co., $44,676; Weber Show case & Fixture Co., $45,686.

LANNED

HERMOSHA BEACH, Los Angeles ., Cal.—Hermosa Beach City School istrict has adopted a program for habilitating and strengthening the er Avenue school in Hermosa Beach id has forwarded its recommenda- ons to the Board of Public Building econstruction for approval. The pro- am calls for the demolition of the ditorium portion of the old build- g, rehabilitating and strengthening e classroom portion and the addi- on of two new classrooms on the st end of the structure, providing total of 12 classrooms. The exterior alls of the building will probably be nstructed of reinforced concrete and aterials from the old structure will used wherever feasible. A new ncrete auditorium, to seat approxi- ately 750 persons, is also included the program, the total cost of which estimated at $73,000. Samuel E. nden, 400 Rowan Bldg., Los Ange- s, and Paul E. Jeffers, Architects' dg., Los Angeles, architect and en- neer for the project, will proceed ith the prenaration of working awings shortly.

ONTRACT AWARDED

LONG BEACH, Cal.—J. K. Thomas, oper Arms Apts., 455 East Ocean vd., Long Beach, awarded contract the Long Beach board of educa- on at $68,300 for reconstructing and rengthening the shop and new sci- ce building at the Woodrow Wilson gh school site. H. E. Taber's low d of $67,300 was rejected because e accompanying bond had not been operly completed. Plans were pre- ared by Architect W. H. Austin, 532 hestnut Ave., Long Beach. Work ill consist of reinforced concrete alls and footings, replacing steel sh, composition roofing, gunite work ructural steel, etc.

ONTRACT AWARDED

PORTERVILLE, Tulare Co., Cal.— P. Moore, 3662 Verrue Ave., Fresno $10,468 awarded contract by Por- rville Union High School District r the construction of an athletic ld house at the rear of the high hool site in Porterville. W. D. oates, Rowell Bldg., Fresno, archi- ct.

ONDS VOTED

LAGUNA BEACH, Orange Co., Cal. Laguna Beach voters approved a 75,000 bond issue June 5, to provide e district with a high school. The hool trustees propose to use the resent grammar school for the high hool and will spend $50,000 of the roceeds of the bond issue to build a ew grammar school building directly cross the street on Park Avenue. he remaining $25,000 will be used to uy additional land and for high hool equipment. Allison & Allison, 014 Edison Bldg., Los Angeles, Ar- hitects.

OW BIDDER

LONG BEACH, Los Angeles Co., al.—H. E. Tabor, 215 E. First St., ong Beach, submitted low bid to ong Beach Board of Education at 67,300, for strengthening and recon- tructing the shop and new science uildings at the Woodrow Wilson High hool site. Plans were prepared by rchitect W. Horace Austin, 532 hestnut Ave., Long Beach, and tructural Engineer Francis N. Di- ouny, 9273 Cordell Dr., Los Angeles. he exterior of the shop building will ave reinforced concrete walls, foot- ngs will be strengthened, replace steel ash, composition roofing, etc. The cience building will have reinforced oncrete exterior walls, structural teel, concrete corridors, gunite work, omposition roofing.

BIDS WANTED

LONG BEACH, Los Angeles Co., Cal.—Until 4 P. M., June 20, bids will be received by the Long Beach Board of Education for the construction of the English Building at the Long Beach Junior College site, located on Carson and Clark Aves., Long Beach. Bids will be taken on two bases: (A) general contract for the entire project with alternate bids on the general, plumbing, electric wiring and heating and ventilating; and (B) segregated bids on plumbing, heating and ventilating, and electrical. Plans were prepared by Architect Kirtland Cutter, Farmers and Merchants Bank Bldg., Long Beach, and Engineers J. H. Davies and C. D. Wailes Jr., 1005 Ocean Center Bldg., Long Beach. Construction will be frame and stucco, tile and composition roofing, reinforced concrete and maple floors, steam heating, etc. Plans available at business manager's office, 25th St. and Chestnut Ave., Long Beach, upon deposit of $25. Cost, $50,000.

Preparing Working Drawings.

SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms, and assembly hall).
Owner — South San Francisco High School District.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame.

Plans will be completed and forwarded to Sacramento for approval in about thirty days.

BIDS WANTED

ARTESIA, Los Angeles Co., Cal.—Until 7:30 P. M., June 22 (bid opening date postponed from June 18), bids will be received by the Artesia School District for altering and remodeling the existing center and south units of the Artesia School, located at Pioneer Blvd. and 14th St., Artesia. Cashier's or certified check, drawn to the order of W. F. Elliott, Clerk of the Board of Trustees, must accompany each bid. Plans and specifications may be obtained from the architects, Train & Cressey, 226 Western Mutual Life Bldg., Los Angeles. Work will consist of interior changes and remodeling of coat rooms, toilet rooms, clinic office and teachers' rooms; sash partitions, wardrobes, marble and tile repairs, toilet, urinal and lavatory fixtures, cement steps, wiring alterations and painting repairs.

Bids Wanted — To Close June 25, 8 P. M.

LOCKER ROOM Cost, $10,000
SAN MATEO, San Mateo Co., Cal. High School Site.
One-story frame and stucco locker and shower room (55 x 81.6 feet); composition roofing.
Owner—San Mateo Union High School District (W. H. Eddy, Clerk).
Architect — William Toepke, 74 New Montgomery St., San Francsico.

Specifications are on file in the office of the Board in the High School School Building, San Mateo, or may be procured from the Architect.

Bids Wanted — To Close June 20, 2:30 P. M.

REPAIR SCHOOL Cost, $40,000
SAN FRANCISCO. N McAllister St. bet. Franklin and Gough Sts.
Repairs to John Swett School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg San Francisco.

Plans and specifications available $25. Bond $1000.
from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit of

Plans Being Completed.

SCHOOL Cost, $15,000
FORESTVILLE, Sonoma Co., Cal.
One-story frame and stucco grammar school (3 classrooms and auditorium to seat 200, kitchen, etc.)
Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Bids will be asked in about two weeks.

Plans Being Prepared.

SCHOOL Cost, Approx, $65,000
HEALDSBURG, Sonoma Co., Cal.
One-story frame and stucco grammar school building (13 classrooms, auditorium, small cafeteria and lunch room).
Owner—Healdsburg Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

An election will be held about July 20 to vote bonds to finance construction.

CONTRACT AWARDED

SUSANVILLE, Lassen Co., Cal. — A. R. Whipple, 209 Sacramento St., Susanville, awarded contract by Lassen Union High School District for painting interior of the high school building.

BIDS WANTED

LODI, San Joaquin Co., Cal.—Until June 23, 8 P. M., bids will be received by Trustees of the Lodi Elementary Schools, Needham School, Lodi, for reshingling the roof of the Lincoln School in Lodi. Work includes removal of all old shingles, flashings and metal sheeting used on all roof and to be replaced with a new 26-gauge galvanized iron roof.

BOND ELECTION

FRUITVALE, Kern Co., Cal.—Fruitvale School District will hold an election on June 30, at which time bonds in the amount of $30,000 will be voted to finance construction of a new school building to replace one recently destroyed by fire. E. J. Symmes, Haberfelde Bldg., Bakersfield, Architect.

PLANS BEING PREPARED

BERKELEY, Alameda Co., Cal.—Engineer Thomas F. Chace, 625 Market St., San Francisco, is preparing plans for minor alterations and repairs to two school buildings in Berkeley in connection with the rehabilitation program for the Berkeley Board of Education.

BOND ELECTION PLANNED

SANTA YNEZ VALLEY, Santa Barbara Co., Cal.—Santa Ynez Valley Union High School District Trustees are considering a proposal to submit an $80,000 bond issue to provide funds for financing a new high school building for the district. Proposed alterations to the existing building have been declared impractical. E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, is architect.

Being Done By Day's Work.

IMPROVE SCHOOL Cost, $23,400
TAFT, Kern Co., Cal.
Alterations and additions to Taft Union High School and Junior College (work includes construction of conference room, additional lockers and showers, changes in offices, entrances, new furnishings, etc.)
Owner—Taft Union School and Junior College District.
Architect—Not Given.

Work is being done by day's labor under the supervision of H. O. Elliott, Supt. of Grounds.

Bids Opened.
ADDITION TO SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal. Vernon Street.
Additions to concrete Vernon Street elementary school building (add 3 classrooms and lunch room) and additions to concrete brick and tile elementary school (add two classrooms and lunch rooms).
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Low Bidder—M. R. Peterson, Colfax.
Following bids received

M. R. Peterson, Colfax	$23,362
Chas. Unger, Sacramento	25,939
F. H. Betz, Sacramento	26,620
H. W. Robertson, Sacramento	27,240

Bids held under advisement for a few days.

Plans Completed
SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building two classrooms and auditorium); tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect — G. P. Simonds, Hayward.
Plans will be forwarded to Sacramento for approval immediately.

TO ASK FUNDS
NEWPORT BEACH, Orange Co., Cal.—State Board of Public Building Reconstruction will probably call for bids within thirty days for the new elementary school building to be erected in Newport Beach. It will be a reinforced concrete structure, constructed on the site of the former school, and may be so built that the foundations, floors and partitions in the wing of the old structure can be utilized. Seventeen classrooms, library, cooking laboratory, manual education department, auditorium to seat 500 persons and a cafeteria will be provided. Cost, $110,000. Donald Beach Kirby, 119 N. Kenwood, Glendale, architect.

PLANS APPROVED
COSTA MESA, Orange Co., Cal.—The Costa Mesa School District has approved working drawings for moving, reconstructing, rehabilitationg and strengthening the auditorium building and west wing of the old main building and for erection of a new 14-room classroom and administration building at the Costa Mesa grammar school site, 19th Street and Newport Blvd. The new classroom and administration building will be a one-story, frame and stucco structure, U-shaped, 210x60 feet in area, concrete floors, tile roofing, gas radiators, etc. Plans were prepared by Architect Herbert E. Mackie and John Paxton Perrine, Western Pacific Bldg., Los Angeles, and Ryan A. Grut, structural engineer, 1007 S. Grand Ave., Los Angeles. Cost, $70,000. Plans have been sent to the state architect for check.

Bids Wanted—To Close June 22, 7:30 P. M.
SHOWER ROOM Cost, $3000
LINCOLN, Placer Co., Cal.
One-story frame and stucco locker and shower room (flat roof).
Owner — Lincoln Union High School District (Lois G. Schnabel, Clerk)
Architect — Harry J. Devine, California State Life Bldg., Sacramento.
Plans and specifications available from the architect upon deposit of $10.

Bid Opening Date Postponed Until June 20, 2:30 P. M.
REPAIR SCHOOL Cost, $70,000
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.

Bids Opened.
RECONST. SCHOOL Cost, $50,000
SAN FRANCISCO. Seventh Avenue, between Irving and Judah Sts.
Reconstruction of Laguna Honda School.
Owner—City and County of San Francisco.
Low Bidder—William Spivock, Hobart Bldg., San Francisco.
Following bids received:

William Spivock	$61,290
J. Harold Johnson	61,887
H. L. Peterson	62,700
DeLuca & Son, Inc	63,817
Anderson & Ringrose	64,000
F. C. Amoroso & Sons	64,984
O. Monson	65,800
A. H. Vogt	68,300
C. L. Wold	68,677
B. A. Howkins & Co	68,860
H. J. Oser	71,725
San Francisco Constr. Co	71,900

Bids referred to City Architect for award.

16—BANKS, STORES AND OFFICES

Sub-Contracts Awarded.
ALTER STORE Cost, $8000
SAN FRANCISCO. SW Eighth Ave. and Clement Street.
Alterations and additions to store.
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, Monadnock Bldg., Sa Francisco.
Cabinet Work—Mullen Mfg. Co., 64 Rausch St., San Francisco.
Electric — Severin Electric Co., 172 Clara St., San Francisco.
Composition Flooring—Malott & Peterson, 20th and Harrison Sts.

Contract Awarded.
ALTERATIONS Cost, $5000
SACRAMENTO, Sacramento Co., Cal. 900 K Street.
Alterations to store building.
Owner—Owl Drug Co., Ninth and K Sts., Sacramento.
Plans by Engineering Dept. of Owner.
Contractor—L. C. Duron, Premises.

Plans Completed
MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Calif.
One - story frame and stucco music bldg. (probably terra cotta roof.)
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans have been forwarded to Sacramento for approval. *

Brick Contract Awarded
SCHOOL Cost, $5000
STOCKTON, San Joaquin Co., Cal. El Dorado School site.
One - story brick veneer bungalow school (2 classrooms) wood shingle roof, wood floors, blackboards, wallboard, etc.
Owner—Ed Dorado School District.
Architect—Joseph Losekann, 1218 W. Harding St., Stockton.
Brick—Dick Williams, Stockton.
Work is under way by school department by student labor.
(4242) 1st report April 12; 2nd, May 7, 1934. *

BOND ELECTION PLANNED
MONROVIA, Los Angeles Co., Cal.—Monrovia Elementary School Trustees are considering a proposal to submit a $60,000 bond issue for financing the rehabilitation of Monrovia Grammar School buildings. Under the proposed rehabilitation program, Wild Rose School would be reconstructed at an estimated cost of $15,000; a new six-room, steel frame building would be erected at Huntington at a cost of $29,400, and a similar structure would be erected at the Orange Ave. site to cost $25,400. These figures, totaling $70,753, can be cut down considerably by eliminating some features of the proposed new structures in order to bring the cost within the bonding capacity of the district, which is limited to $60,000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

LOAN APPROVED
SAN BERNARDINO, Cal. — San Bernardino Valley Junior College's application to the government for a loan of $350,000 to be used for financing a proposed building program, has been approved, although it has not been determined when the money will be available. Construction of an auditorium, a technical building and a women's gymnasium is contemplated.

Plans Being Completed
AUTO SHOP Cost, $6,000
SALINAS, Monterey Co., Calif. High School site.
One-story wood frame auto shop bldg. steel columns and trusses, composition roofing (60x80 feet.
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 61 Maple St., Salinas.
Plans will be forwarded to Sacramento for approval within a few days.

Segregated Bids Wanted—To Close June 21, 4:30 P. M.
SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Cal.
One-story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Bids are being taken on the following segregated contracts:
(1) Excavation, grading and concrete work;
(2) Brick work;
(3) Carpentry, lumber, labor and glass;
(4) Mill work;
(5) Electric wiring and fixtures;
(6) Lathing and plastering work;
(7) Plumbing, sheet metal and fixtures;
(8) Roofing and insulation;
(9) Heating and ventilating;
(10) Floor covering;
Bids will be opened at the Stockton Builders' Exchange. Plans and specifications may be obtained from the architect upon deposit of $10.
(3909) 1st report Jan. 23; 6th May 10, 1934. *

BIDS WANTED
SAN FRANCISCO—Until June 20, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for interior painting of the Washington Irving School, Broadway, between Sansome and Montgomery Sts. Estimated cost, $1800. Bond, $450. Specifications available from C. H. Sawyer, City Architect, City Hall. No deposit required.

June 9, 1934

BIDS REJECTED
SAN FRANCISCO—Department of Public Works rejected all bids for electrical work for the Bay View School, located on the southeast corner of Bay View and Flora Streets.

Lowest bid was submitted by Fred Johnson, 3363 Army St., at $1790. Formal bids will be asked shortly.
Complete bids published June 7.
(4626) 1st report June 2; 2nd June 7, 1934. *

CONTRACT AWARDED
HUNTINGTON PARK, Los Angeles Co., Cal.—Reid & Alexander, 3124 Olive St., Walnut Park, awarded contract at $34,468 for a store building to be erected at 6409-11 Pacific Blvd., Huntington Park, for the Van Loon Corp.; W. T. Grant Stores, lessee. Marshall R. Lawson, 614 S. Pacific Blvd., San Pedro, is the architect. Will be one-story and basement, L-shaped structure, 38x150 and 50x75 ft. in area; reinforced brick walls, structural steel.

Contracts Awarded.
ELEVATOR Cost, $——
SAN FRANCISCO. Brannan and Rich Streets.
Furnish and install new freight elevator in building (elevator to have capacity of 20,000 lbs.)
Owner—George R. Bennett.
Engineer——L. H. Nishkian, 525 Market St., San Francisco.
Elevator—Atlas Elevator Co., 34 Harriet St.
Concrete—James Hjul, 128 Russ St.
Wire Fencing—Kamlan Fence Co., 351 Bryant St.

Additional Sub-Contracts Awarded.
GYMNASIUM Cont. Price, $58,900
SANTA ROSA, Sonoma Co., Cal.
One-story reinf. concrete and brick veneer gymnasium (171x135 ft.) reinforced concrete walls (separate gymnasium for men and women) swimming tank.
Owner — Santa Rosa Junior College Dist. (Floyd Bailey, dean), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Electric—Geo. Mitchell, Santa Rosa.
Structural Steel — Golden Gate Iron Works 1541 Howard St., San Francisco.
Sheet Metal—Ed. Holtz, 503 3rd St., Santa Rosa.

Contract Awarded.
STORE Cost, $150,000
SEATTLE, Washington. SW Third and Pike Streets.
Alterations and additions to store building (work includes partition changes, new front, terrazzo floors, heating, sprinkling and ventilating systems, elevator changes, demolishing of store on Third Ave., tile work, plate glass, store fixtures, electrical fixtures, marble, etc.)
Owner—S. H. Kress Co., 215 Pike St., Seattle.
Plans by Engineering Dept. of Owner.
Contractor—Hoard Engineering Co., McDowall Bldg., Seattle.

Contract Awarded.
ALTER BLDG. Cost, $2740
SAN FRANCISCO. No. 415 Jackson Street.
Alterations and additions to two-story brick building.
Owner—Harry B. Allen, Inc., 154 Sutter St., San Francisco.
Architect — Bertz, Winter & Maury, 681 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Sub-Contracts Awarded.
ALTER BLDG. Cost, $3000
STOCKTON, San Joaquin Co., Cal. No. 142 S-Center Street.
Remodel present building.
Owner—Guiseppi and Teresa Franzio.
Architect—Not Given.
Contractor—J. A. Allen, 28 S-Sutter St., Stockton.
Lumber — San Joaquin Lumber Co. Scotts Ave. and Madison Sts.,
Mill Work—Union Planing Mill, Taylor and Sutter Sts., Stockton.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 68-74 Rose Street.
Alterations to store building.
Owner—Frank Aiassa, 633 S-Fifth St., San Jose.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.
Contractor—George Honore, 136 Race St., San Jose.

Contract Awarded.
OFFICES Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 888 W. San Carlos Street.
One-story frame office building.
Owner—Peninsula Railway Co., 1334 The Alameda, San Jose.
Architect—Not Given.
Contractor — Carl Maurer, 241 S. Locust St., San Jose.

Contract Awarded.
REPAIR BLDG. Cost, $1500
SAN JOSE, Santa Clara Co., Cal. NE Market and Santa Clara Sts.
Repairs to business building.
Owner—Springs, Inc., Premises.
Architect—Not Given.
Contractor—Megna & Newell, 838 Minnesota Ave., San Jose.

To Be Done By Day's Work.
ALTER STORE Cost, $2000
SAN FRANCISCO. No. 1600 Fillmore Street.
Alterations to store building.
Owner—John Diggins, 1366 16th Ave., San Francisco.
Architect—Not Given.

Plans Being Completed
CAFE Cost, $75,000
SAN FRANCISCO. Merrie Way, North Sutro Baths.
Two-story, basement and mezzanine floor cafe (frame and stucco construction, tile roof, hot air heating system, full kitchen equipment bar lounge, porches, foyer; dining room with seating capacity of 750)
Owner—Hacienda del Mar, Inc.
Architect—S. Heiman, 605 Market St.
Bids will be asked in about 1 week.

New Bids Wanted—To Close June 22, 10 A. M.
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent).
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Plans have been revised and new bids are now being taken. On previous bid opening lowest bid was submitted by George Maurer, 50 York Drive, Piedmont, at $114,534.
Prospective bidders will be announced about June 16.

Owner Taking Bids.
ADDITION Cost, $30,000
OAKLAND, Alameda Co., Cal. No. 7306 E-14th Street.
Alterations and additions to two-story frame building (add room, etc.)
Owner—A. R. Rosa, 7300 E-14th St., Oakland.
Plans by Owner.
Owner is receiving bids on lumber, mill work and other materials involved in the work.

Contract Awarded.
REMODEL BLDG. Cost, $30,000
PORTLAND, Oregon. SW Fifth and Ankey Streets.
Alterations to three-story brick building.
Owner—E. G. Crawford, Portland.
Architect—Harry Herzog, Inc., Guaranty Bldg., Portland.
Contractor—Drake, Wyman & Voss, U. S. Bank Bldg., Portland.

Contract Awarded
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. 1900 Telegraph Avenue.
Alterations to building.
Owner—Twentieth & Broadway Realty Co., 19th and Telegraph Ave., Oakland.
Architect—A. J. Evers, 525 Market St. San Francisco.
Contractor—Wilbur C. Cone, 608 16th St., Oakland.

Segregated Bids Being Taken.
ALTER OFFICES Cast, $——
SAN FRANCISCO. No. 942 Market Street.
Alterations to offices (work includes plumbing, electrical work, carpentry, iron work, etc.)
Owner—Metropolitan Life Insurance Company.
Engineer — Frederick Whitton, 369 Pine St., San Francisco.

17— THEATRES

Contract Awarded.
THEATRE Cost, $120,000
REDDING, Shasta Co., Cal.
One-story and balcony reinforced concrete and probably structural steel frame theatre building (to seat 1400) tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco (M. Naify, President).
Architect—Not Given.
Contractor — Salih Bros., 25 Taylor St., San Francisco.
Working drawings are being prepared.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
OAKLAND, Cal.—C. F. Roberts, 937 Market St., Oakland, awarded contract by County Board of Supervisors for removing all buildings on the site of proposed new county courthouse, to be erected on the block bounded by Fallon, Oak, 12th and 13th Streets. Mr. Roberts will pay the county $1,675. Other bids received as follows:

Symons Wrecking Co.	$1,650
Mendenhall & O'Connor	850

CONTRACT AWARDED
VISALIA, Tulare Co., Cal. — Earl Bowen, Strathmore, awarded contract by Visalia Union High School District at $1500, for the construction (labor only) of four new calrock tennis courts and the resurfacing of two old concrete courts with Calrock. The materials will be furnished by the district and will cost approximately $2282. Cross-Horlock Company was awarded a contract for fencing the courts.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal.—California Steel Products Co., 490 Bay St., San Francisco, at $697 awarded contract by Constructing Quartermaster, Hamilton Field, for the construction of one 75 foot tubular steel flagpole at Hamilton Field.
Complete bids published May 26.

Construction Under Way.
STABLE ADDITION Cost, $2000
WOODSIDE, San Mateo Co., Calif. Old La Honda Road.

Wood frame addition to stable (shake roof, wood floors, etc.)
Owner — Gerald C. Halsey, Old La Honda Road, Woodside.
Architect—Harold Stoner, 200 Casitas Ave., San Francisco.
Carpentry—George Brown, Woodside

BIDS WANTED

STOCKTON, San Joaquin Co., Cal. —Until June 25, 11 A. M., new bids will be received by Eugene D. Graham, Clerk, San Joaquin County Bd. of Supervisors, for furnishing and installing new Water Tube Boiler, 4 drum Sterling or equal at the San Joaquin General Hospital, Stockton. Specifications prepared by W. W. Tretheway, County Purchasing Agent and same may be obtained from above office upon deposit of $10. On previous bid opening lowest bids was submitted by C. C. Moore Co., 450 Mission St., San Francisco, at $124,309 A previous award to the low bidder has been rescinded.

CONTRACT AWARDED

LOS ANGELES, Cal.—J. T. Thorpe, Inc., 94 E. Second St., Los Angeles, at $3597 awarded contract by the Veterans' Administration, Washington, D. C., for the construction of an incinerator at the Veterans' Administration Facility, Los Angeles.
Complete bids published June 1.

BIDS WANTED

PHOENIX, Arizona—Until June 15, bids will be received by U. S. Property & Disbursing Office for Arizona Militia Bureau, Phoenix, for 200 wooden tent floors, concrete floor in warehouse, elevated steel water tank, watr heater for infirmary, 36 laundry trays in messhall kitchens, incinerator, metal tops on serving counters in 18 messhall-kitchens, addition to three latrine buildings, coal bin added to four bathhouse latrines. Specifications available from above office upon deposit of $5.00. Circular No. 3.

Sub-Contracts Awarded

SILOS Cost, $100,000
PORTLAND, Ore. Willamette River (Fisher Property).
Construct approximately 10 reinforced concrete silos.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco
Plans by Engineering Dept. of Owner
Contractor—Dinwiddie Const. Co., Crocker Bldg., San Francisco.
Reinforcing Steel — Mercer Steel Co., 838 NW 13th St., Portland.
Miscellaneous Iron—Columbia Wire & Iron Works, 814 SE Market St., Portland.
Lumber—West Oregon Lbr. Co., Linnton, Oregon.

CONTRACT AWARDED

SAN FRANCISCO.—Severin Electric Co., 172 Clara St., at $198.40 submitted low bid and awarded contract by the Ninth Corps Area Signal Officer, Presidio of San Francisco, for equipping, erecting and guying six 50 foot antenna poles for diversity reception system, and pouring six concrete anchor blocks or deadmen at the Presidio of San Francisco; Spec. No. C. P. 1084 SC 34-10. Complete bids follow:

Severin Electric Co.	$198.40
Eureka Electric Radio Co.	204.00
A. Soda & Son, Oakland	210.00
R. S. Silverberg	298.00

BIDS OPENED

HONDO, Los Angeles Co., Calif.—Consolidated Steel Co., 6500 E. Slauson Ave., Los Angeles, at $998 submitted low bid to the Los Angeles County Board of Supervisors June 11 for repairing an elevated water tank an Rancho Los Amigos, Hondo.
The other bids:

Cutting Engr. Works, Vernon	$1744
Southwest Welding & Mfg. Co., Alhambra	2450

Bids held under advisement.

COMPLETE BID LISTING

SUMMIT, Canal Zone—As previously reported, H. B. Nelson Const. Co., 305 Red Rock Bldg., Atlanta, Georgia, at $47,816 submitted low bid to the Public Works Officer, 15th Naval District, Balboa, Canal Zone, June 6 for concrete foundations for radio towers at the Naval Radio Station at Summit.
Following bids received:

H. B. Nelson Co., Atlanta	$ 47,816
Tucker McClure, L. A.	52,000
Ferdinand Grebien, Cristoble	64,887
J. P. Shirley	66,000
Moodey & Luttrell	67,182
Greiben & Martenz	77,800
Winston Bros.	103,697

CONTRACT AWARDED

JOSEPHINE COUNTY, Ore. — Sig Ash, Medford, at $4,277 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, June 7, for the construction of a frame storage building for maintenance patrol station at Grants Pass.
Complete bids follow:

(A) Sig Ash, Medford	$4,277
(B) Mountain States Const. Co. Eugene	4,400
(C) A. G. Enright, Eugene	4,840
(D) E. P. Balgemann, Portland	4,925
(E) E. W. McCall, Klamath Falls	5,104
(F) J. A. Varner & Son, Grants Pass, Oregon	5,987

BIDS REJECTED

WALLOWA CO., Oregon.—All bids received by the Oregon State Highway Commission, Portland, June 7, for the construction of a frame building for maintenance patrol station at Enterprise were rejected. The bids were:

W. Vedder, La Grande	$3,671.25
R. H. Jones, Baker	3,976.75

The project was ordered readvertised.

Planned.

MUSEUM Cost, $15,000
HOLLISTER, San Benito Co., Calif. Pinnacles National Park.
One-story stone museum.
Owner — United States Government, (National Park Service).
Plans by Engineering Dept. of Nat'l. Park Service, 525 Market St., San Francisco.
A request has been made for funds to finance construction.

CONTRACT AWARDED

SAN FRANCISCO — Fay Improvement Co., Phelan Bldg., San Francisco, at $12,489 awarded contract by the Public Utilities Commission, Rm. 287, City Hall, for the installation of lighting conduits on Tenth, Bryant, Harrison and Fells Sts (L. & P. Contract 1).

June 14, 1934

Contract Awarded

ADDITIONS Cost, $4500
PALO ALTO, Santa Clara Co., Calif. 1247 Cowper Street.
Construct outdoor kitchen and dining room.
Owner—Chas. G. Norris.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

PROSPECTIVE BIDDERS

YUMA, Ariz.—The following firms have procured plans for the purpose of submitting bids to the Treasury Department June 29 for air conditioning at the U. S. post office in Yuma: York Ice Machinery Co., 1238 N. 44th Street, Philadelphia, Pa.; Equitable Equipment Co., New Orleans, La.; Chas. M. Lake, Box 850, Detroit; J. J. Nolan, 235 Court Ave., Memphis, Tenn.; The Zack Co., 2311 Van Buren St., Chicago; Wittenmeier Machinery Corp., 850 N. Spaulding Ave., Chicago; Carrier Engr. Corp., 301 Tower Bldg., Washington, D. C.

BIDS OPENED

KLAMATH AGENCY, Oregon—Following bids received by the Superintendent of the Klamath Indian Agency, Klamath Agency, Oregon, for furnishing three steel lookout towers:...
Aermotor Co., Chicago, $1635 f.o.b. Chicago; $2478 f.o.b. Chiloquin, Oregon.
International Derrick & Equipment Co., Columbus, Ohio, $1764 f.o.b. Columbus; alt. $1863 f.o.b. Torrance, and $2330 f.o.b. Chiloquin.
Pacific Coast Steel Corp., San Francisco, $2334 f.o.b. San Francisco; alt. $2578 f. o. b. Chiloquin.
California Steel Products Co., San Francisco, $2781; $3062 f.o.b. Chiloquin, Oregon.
All bids forwarded to Commissioner of Indian Affairs, Washington, D. C., for procurement instructions.

PREPARING SPECIFICATIONS

SAN FRANCISCO—Signal Officer, Ninth Corps Area, Presidio, San Francisco ,is preparing specifications for a new transmission line in the Presidio of San Francisco. Work will involve removal of approximately 400 small poles, 12 to 18 feet in length. Bids will be asked shortly.

Contracts Awarded

TOWER Cost, $——
SAN FRANCISCO, Union Square.
Construct tower (wood frame construction) chimes, etc.
Owner—Knights Templar.
Architect—W. P. Day, Financial Center Building.
Frame Work—J. D. Hannah 251 Kearny Street.
Decorative Work — Heineman Scienic Studio, 333 Mason Street.

BIDS OPENED

SAN FRANCISCO.—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., at $113.00 submitted low bid to Department of Public Works for the construction and placing sheet metal dipping tank at the school department warehouse, Harrison Street between 10th and 11th Streets. Following bids received:

Michel & Pfeffer Iron Works	$113.00
Ferry Sheet Metal Works	124.00
Riddle Sheet Metal Works	146.00

Bids held under advisement.

Taking Estimates Of Cost.

ADDITION Cost, Approx. $30,000
ALAMEDA, Alameda Co., Cal. Central Ave. and Oak St.
Additions to present swimming pool at High School.
Owner—Alameda High School District (Wm. G. Paden, Secretary).
Architect—Carl Werner, 1303 Bay St., Alameda.
Preliminary plans are being prepared.

CONTRACT AWARDED

SAN FRANCISCO.—American Bldg. Maintenance Co., 467 O'Farrell Street, at $1,000 and A. Crosetti Bros. and Co., 620 Washington St., at $100 were awarded contracts by Purchasing Department for window cleaning for the school and water departments for the fiscal year, 1934-1935.

Excavation Being Completed

DORMITORY Cost, $60,000
LOS GATOS, Santa Clara Co., Calif. Tevis Estate.
Two-story frame and shingle dormitory (to house 50).

wner—Jesuit Order.
rchitect—Edward Eames, 353 Sacramento St., San Francisco.
ontractor—H. C. Miller, 1313 Franklin St., Santa Clara.
Excavation work is being completed by Mr. Miller and pouring of concrete will start within a few days. ub-bids on other portions of the ork will be taken in about ten days.

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reliminary Plans Being Prepared.
DDITION Cost, $40,000
AKLAND, Alameda Co., Cal. Foothill Blvd. and Havenscourt Blvd.
einforced concrete addition to crematory.
wner — East Bay Mausoleum and Columbia Co., Premises.
rchitect—B. J. S. Cahill, 711 Grand Ave., Oakland.

0—MISC. SUPPLIES AND MATERIALS

IDS OPENED
GLENDALE, Cal.—Identical bids at 1,107.79 were received by the Los ngeles County Board of Supervisors, ne 6, for furnishing reinforcing eel to be used in connection with e construction of a conduit on Verugo Wash, between Brand Blvd. and acific Ave., Glendale. The bidders ere: Pacific Coast Steel Co., Soule eel Co., Los Angeles Iron & Steel o., Truscon Steel Co., J. W. Black. oncrete Engr. Co. and the Blue Diaond Co.
Identical bids at $2.56 per bbl., Total 1,392.50, for furnishing 4650 bbls. ortland cement for use in connecon with the construction of the Verugo Wash conduit, were received by e Los Angeles County Board of Suervisors from the following:
Riverside Cement Co., California
ortland Cement Co., Southerwestern
ortland Cement Co., Monolith Portnd Cement Co. and Blue Diamond o. All bids held under advisement.

IDS OPENED
LOS ANGELES, Cal.—The followg bids received by D. P. Nicklin, urchasing Agent, Los Angeles Wat- & Power Department, Room 740, 7 S. Broadway, for protective relayg equipment, as follows:
(1) for protective relaying equipent for the east circuit with motor nerator sets;
(1 Alt.) same less motor generator ts;
(2) same as item 1 for west circuit;
(2 Alt.) same as item 2 less genator sets.
General Electric Co., (1) $12,490; (1 t. $12,490; (2) $12,490; (2 Alt.) $12,-0.
Westinghouse Electric & Mfg. Co.,) $12,475; (1 Alt.) $12,475; (2) $12,-5; (2 Alt.) 12,475.
Westinghouse Electric & Mfg. Co., ternate bid (1) $12,475; (2) $12,475.
All bids net. Spec. No. 1448.

ONTRACT AWARDED
HAMILTON FIELD, Marin Co., al.—J. A. Fazio, 2059 Webster St., kland, awarded contract by Conructing Quartermaster for furnishg wrought iron pipe and fittings for amilton Field.

ONTRACT AWARDED
SAN FRANCISCO—Elkington Hellg Mfg. Co., 19 South Park, at $1500 d John G. Ils & Co., 2902 19th St., $700 awarded contracts by City urchasing Agent for furnishing and stalling dishwashing machines and bles for the San Francisco Hospital der Bid No. 1197.

BIDS OPENED
LOS ANGELES, Cal.—The following bids received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Department, Room 740, 207 S. Broadway, for electric welded steel pipe, wye branches and tees, as follows:

(1) for electric welded steel pipe;
(2) for welded steel wye branch; (3) welded steel tees.
(a) fob cars Saugus;
(b) fob trucks at construction site;
(c) fob trucks as contractor's local shipping point.

Consolidated Steel Corp. (1) (a) $6,-643.50; (b) $6915; (c) $6500; (2) (a) $3838.10; (b) $3907; (c) $3800; (3) (a) $17,177.50; (b) $17,525; (c) $17,000 net.
Consolidated Steel Corp., alternate bid. (1) no bid; (2) (a) $2731.50; (b) $2785; (c) $2700; (3) (a) $13,143; (b) $13,410; (c) $13,000 net.
Southwest Welding & Mfg. Co., (1) (a) $11,493.90; (b) $10,977; (c) $10,-449; (2) (a) $3696; (b) $3528; (c) $3,-360; (3) (a) $19,688; (b) $18,774; (c) $17,880; net.
C. C. Moore & Co., (1) (a) $11,513; (b) $11,751; (c) no bid; (2) (a) $3878; (b) $3975; (c) no bid; (3) (a) $19,688; (b) $3975; (c) no bid; (3) (a) $14,467; (b) $14,752; (c) no bid.
C. C. Moore Co., alternate bid: (2) (a) $3345; (b) $3416.
Alternate bid for combination of items 1, 2 and 3. lump sum:
Consolidated Steel Corp., (a) $26,-014.10; (b) $26,697; (c) $25,650.
Consolidated Steel Corp., alternate bid, (a) $22,529.60; $25,232.50; (b) $23,-134.00; $25,900.00; (c) $22,200.00; $24,-875.00.
Western Pipe & Steel Co., (a) $23,-288.00.
Southwest Welding & Mfg. Co., (a) $30,105.75; (b) $28,785; (c) $27,465.
C. C. Moore Co., (a) $27,037; (b) $27,649.
C. C. Moore Co., (a) $26,537; (b) $27,118.
Consolidated Steel Corp., (a) $21,323 (b) $21,910; (c) $21,000.
Specifications No. 1440.

BIDS OPENED
SAN FRANCISCO — Following bids received by the U. S. Penitentiary Warden of Alcatraz, in the Post Office Bldg., San Francisco, for furnishing 350 rough concealed flush valves under Schedule No. 54:
P. E. O'Hair & Co., San Francisco, $4.85, 2% 30 days.
Tay-Holbrook, San Francisco, $4.69, 2% 30 days.
Green-Wolf Co., Inc., Brooklyn, N. Y., $7.90; alt. $4.80, 2% 30 days.
Emanuel M. Katz, New York City, $7.75; alt. $4.70, net.
Olsen & Heffernan, San Francisco, $4.59; alts., $7.65 and $4.69; net.
Dalziel-Moller Co., San Francisco, $7.65 and $4.69, 2% 10 days.
Richmond Sanitary Co., San Francisco, $4.59 (Kramer) and $7.78, 2% 30 days.
Walworth-California Co., San Francisco, $4.80 and $7.70; 2% 30 days.
Crane Co., San Francisco, $5.51; 2% 30 days.
Pacific Plbg., Htg. & Supply Co., San Francisco, $7.78; 2% 30 days.
Republic Service Brass Corp., $7.00; 2% 30 days.
James B. Clow & Sons, San Francisco, $4.82 and $9.70; 2% 10 days.
New England Plbg. Supply, $7.99; 2% 10 days.
All bids held under advisement.
Delivery fob U. S. Docks, Ft. Mason No. 3. 20

BIDS OPENED
GOVERNMENT ISLAND, Cal.—Following bids received by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for delivering one Govt. owned 50 Caterpillar tractor from Butte Meadows, approximately 35 miles from Chico, on the Chico-Lake Almanor Road, to the U. S. Bureau of Public Roads, Government Island:

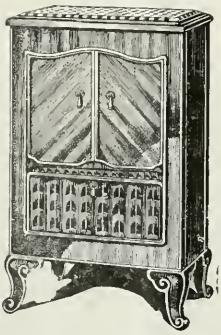
Truck Contracting & Equipment Co. Oakland, $75.

A. W. Hayes, Corning, $90.

W. H. Hauser, Oakland, $100.

Bigge Drayage Co., Oakland, $120.

Thomas Drayage & Rigging Co., San Francisco, $125.
J. A. Wright, Oakland, $162.50.
Thomsen Bros., Inc., San Francisco $180.



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OAKLAND Phone LAkeside 1266

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until June 21, 2 P. M., bids will be received by Frank Haynie, Supply Officer, U. S. Department of Agriculture, Forest Service Supply Depot, Government Island, Oakland, under bid No. 998 SDO, for furnishing 12,000 yards medium blueprint paper. Delivery f.o.b. San Francisco. Specifications obtainable from above.

CANAL ZONE

PANAMA CANAL—Until June 22, 10:30 A. M., bids will be received by the office of the General Purchasing Agent, Panama Canal, Washington, D. C., for furnishing acetone, soda ash, lye, carbon bisulphide, trisodium phosphate, powdered aluminum, enamel, chrome yellow, Indon red, red lead, whit lead, mercuric oxide, copper paint, para red, ultramarine blue, metallic zinc, zinc oxide, varnish, paint-and-varnish remover, turpentione, transformer oil, empty pails, fire extinguishers, journal jacks, bolts, nuts, rivets, washers, soap, mop heads paper towels, toilet paper, cargo-truck tires, and grease cups. Schedule No. 2969. Specifications obtainable from above.

WAR DEPARTMENT

SAN FRANCISCO.—Until July 2, 3 P. M., bids will be received by the U. S. Engineer Office, 401 Custom House, San Francisco, under Proposal No. 34-49, for furnishing one spare crankshaft for the U. S. Dredge "A. Mackenzie." The crankshaft is to be furnished in two sections ,without bolts. Plans and specifications obtainable from the above office.

SACRAMENTO, Cal.—Until June 21, 3 P. M., bids will be received by Capt. J. G. Drinkwater, Corps of Engineers, District Engineer, Room 298, Post Office Bldg., Sacramento, for furnishing 25 cylinders of oxygene and 12 cylinders of acteylene. Delivery to be made to U. S. Engineers, f.o.b., Rio Vista, Calif. Specifications obtainable from above.

U. S. INDIAN SERVICE

ALBUQUERQUE, New Mexico—Until June 19, 10:30 A. M., bids will be received by Supt. of Construction, Box 468, Albuquerque, for recirculating hot air heaters of self-contained type consisting of heavy cast iron encased in enameled steel jacket with fire pot lined with fire brick and smoke connection to chimney flue. Heaters to be approximately 21-in. wide, 21-in. deep and 48-in. high guaranteed to satisfactorily heat 8000 cu. ft. of space.

OAKLAND CITY

OAKLAND, Cal.—Until June 19, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, Room 104, Administration Bldg., Oakland, for tools for the Oakland School District and Oakland High School District. Specifications obtainable from Room 115, Administration Bldg., Oakland. Certified check for at least 10% of amount bid required.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment, as follows:

BAGS, jute burlap; 4000 for Mare Island; 10,000 for Puget Sound. Sch. 2679; June 22.

SWITCHES, rotary snap; 570, Mare Island; 770 Puget Sound. Sch. 2677; June 22.

FIBRE, insulating; East and West Yards. Sch. 2675; June 22.

HOSE, fire; 2200 ft., Puget Sound. Sch. 2674; June 22.

ENGINES, 2, and spares; Mare Island and Puget Sound. Sch. 2678; June 22.

MATERIAL, insulating; East and West Yards. Sch. 2698; June 22.

PLATE, carbon; East and West Yards. Sch. 2697; June 22.

ASPHALT, road and pavement construction; 860,000 lbs., Mare Island. Sch. 2696; June 22.

FANS, bracket and desk; 250, Mare Island; 50, Puget Sound. Sch. 2691 June 22.

STEEL, black and galvanized sheet; 20,800 lbs., Puget Sound. Sch. 2688; June 22.

LEAD, sheet; 7680 lbs., Puget Sound. Sch. 2686; June 22.

STEEL, floor plate, 10,800 lbs., Puget Sound; 14,200 lbs. steel; 53,900 lbs. plate steel; 92,500 lbs. plate steel, Puget Sound. Sch. 2687; June 22.

BRUSHES, carbon; 960, Puget Sound; 185, Mare Island, and 1200 motion-picture machine carbons. Sch. 2716; June 26.

AMMETERS, 5, Mare Island, and 8 for Mare Island. Sch. 2708; June 26.

MACHINE, dishwashing, and spares; Puget Sound. Sch. 2707; June 26.

FORGINGS, steel, for turbine rotors; East and West Yards. Sch. 2710; June 26.

OIL, soluble cutting; lard oil; mineral oil; pure oil; paraffine and petrolatum; East and West Yards. Sch. 2667; June 19.

Specifications obtainable from above office.

MONTEREY COUNTY

SOLEDAD, Monterey Co., Cal.—Until June 18, 2 P. M., bids will be received by the Soledad Union Grammar School District, J. Wm. Franscioni, Clerk of the Board of Trustees, for furnishing one 35-passenger capacity school bus, cross seat type.

Specifications obtainable from the above office. Bids are to be opened at 8:30 P. M., at the Soledad Union Grammar School.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Until June 22, 10:30 A. M., bids will be received by the Superintendent of Construction Box 468, Albuquerque, N. M., for furnishing one carload of Douglas Fir Lumber, to be used in connection with the construction of school located at Mesa, Arizona.

Specifications obtainable from the above office and from Indian Warehouse, 23 Appraisers Bldg., San Francisco. H. W. Camp, Superintendent.

MADERA COUNTY

NORTHFORK, Cal.—Until June 25, 7:30 P. M., bids will be received by the Board of Trustees of the Northfork Union School District, at the office of the Supervvisor of the Sierra National Forest, Northfork, for furnishing two 1½-ton bus chassis containing 65-hp. motor, or better, with power to make 45 miles per hour loaded; and for two school bus bodies with capacities of 30 high school passengers, or more, or 35 elementary school passengers, or more, mounted on above chassis.

Specifications obtainable from above office.

M. A. Benedict, Clerk of the Board.

CANAL ZONE

PANAMA CANAL ZONE — Until June 28, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Sch. 2970, for furnishing miscellaneous supplies and equipment, including:

Structural carbon steel; 40,000 lbs. babbitt metal; 1000 ft. cast iron pipe; pipe fittings; 480 ft. brass pipe; 1 centrifugal pump; 1 sewing machine; 2 incandescent projectors; 6000 steel bolts; 5000 stud bolts; 400 set screws; 150 jacking bolts; 8 upper pintle bushings; 4 yoke pins; 6 yoke bushings; 4 pcs. wedge blocks; 2 pcs. nickel steel wedges; 1000 fire clay bricks; 75 tons asphalt; 2000 ft. bell cord rope; 275 pcs. rubber gaskets; pine or fir lumber; flooring; ceiling; drop siding; car decking; California redwood; Cypress; Maple, and 150,000 lin. ft. screening strips.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

SAN FRANCISCO CITY

SAN FRANCISCO—Until June 25, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No 1218, for furnishing approximately 324 tons of cast iron Bell and Spigot pipe fittings, 16-in. and under.

Specifications obtainable from above office.

SAN FRANCISCO—Until June 22, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1220, for furnishing steel track crossings for the Municipal Railway. Specifications obtainable from above office.

BUTTE COUNTY

OROVILLE, Cal.—Until June 27, 5 P. M., bids will be received by the Board of Trustees of Oroville Union High School District, for a truck chassis to support a 41-48 passenger body, and bids for a school bus body, with or without steel top, with a capacity of 41-48 student passengers. Specifications obtainable from above. Mildred P. Martin, Clerk, Oroville.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

LOS ANGELES, Cal. — Until June 25, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors, for the construction of a steel bridge on Del Mar Avenue, over Alhambra Wash. The proposed bridge will consist of one 75-ft. rigid frame steel span with a 44-ft. roadway, two 5½-ft. sidewalks, steel and concrete deck and steel railing.

W. D. Armstrong, County Bridge Engineer. Mame Batty, Clerk of the Board.

BIDS OPENED

DOUGLAS COUNTY, Oregon—J. F. Johnston, Newberg, Oregon, at $10,-866 submitted the only bid and recommended for award by the U. S. Bureau of Public Roads, Portland, for improving two 41-ft. reinforced concrete spans, extenson to Diamond Creek Bridge, Tiller Trail Highway Project NR-16-F3, National Forest Road Project, Umpqua National Forest, Douglas County, Oregon. Unit bids follow:
(1) 160 cu. yds. unclass. excav. for
(2) 180 cu. yds. do for borrow, $1.00.
(2) 180 cu. yds. do for borrow($1.00.
(3) 40 cu. yds. Class A concrete, $34.
(4) 160 cu. yds. Class D concrete, $34.
(5) 42,00 lbs. reinf. steel, $.06.
(6) 50 lin. ft. 12-in. C. G. M. P., $2.00

BIDS OPENED

GLENDALE, Cal.—Brock & Clark, 107 N. Larchmont Blvd., at $22,108.13 (Proposal 1) and at $21,720.63 (Proposal 2) submitted low bid to the Los Angeles County Board of Supervisors, June 6, for the construction of a concrete conduit on Verdugo Wash, bet. Brand Blvd. and Pacific Ave., Glendale. Total bids follow
Brock & Clark, Los Angeles (Prop. 1) $22,108.23; (Prop. 2) $21,720.63.
Parish Bros., Hollywood (1) $24,149.50 (2) $23,684.50.
George Mittry, Los Angeles, (1) $24,-483.50; (2) $24,018.50.
Bannister-Field, Ltd. and Fred E. Potts Co., Los Angeles, (1) $24,-736.50; (2) $24,271.50.
Wm. T. Loesch, Pasadena (1) $26,286; (2) $25,795.
L. E. Dixon Co., Los Angeles, (1) $27,208.25; (2) $26,743.25.
Weymouth Crowell Co., Los Angeles (1) $27,235.86; (2) $26,956.86.
H. Mayson, Los Angeles, (1) $27,-085.50; (2) $26,775.50.
Mlagenovich & Gillespie, Los Angeles, (1) $27,863; (2) $27,423.
J. E. Burrell and E. S. McKittrick Co., Long Beach, (1) $28,070.69; (2) $27,760.69.
John Oberg, Los Angeles, (1) $28,377; (2) $28,160.
J. H. Flansburg, Los Angeles, (1) $28,604.25; (2) $28,139.25.
R. A. Wattson, Los Angeles, (1) $30,-742.75; (2) $30,432.75.
H. M. Baruch Corp., Los Angeles, (1) $34,070.50; (2) $33,915.50.
Kemper Constr. Co., Los Angeles (1) $37,782.75; (2) $36,542.75.
Engineer's Estimate, (1) $27,320; (2) $27,010.

Proposal 1:f.o.b. Pacific Electric siding at Brand Blvd. and Mountain Ave., Glendale.

Proposal 2: f.o.b. trucks at site of work. All bids held under advisement.

BIDS OPENED

LANE and Douglas Counties, Ore. —Teufel & Carlson, Skinner Bldg., Seattle, at $551,234.00 (Umpqua river bridge) and at $471,871.50 (Siuslaw river bridge) submitted low bids to the Oregon State Highway Commission, Portland, for the construction of a 2 213 ft. bridge over the Umpqua river in Douglas county and a 1,648 ft. bridge over the Siuslaw river in Lane county.

Complete total bids follow:

Umpqua River Bridge

Teufel & Carlson, Seattle....$551,234.00
Sheble Const. Co., Seattle.... 581,650.00
Mercer-Fraser Co., Eureka.. 586,425.00
General Const. Co., and Gilpin Const. Co., Portland ... 587,000.00
Joplin & Eldon, Portland..... 588,650.00
Puget Const. Co., Seattle ... 615,350.00

Siuslaw River Bridge

Teufel & Carlson, Seattle.. $471,871.50
Mercer-Fraser Co., Eureka.. 491,646.00
Lindstrom and Feigenson, Parker & Banfield and T. H. Banfield, Portland..... 498,480.00
Sheble Const. Co., Seattle.... 512,300.00

Teufel & Carlson will accept only one job. Awards contingent upon PWA approval.

BIDS WANTED

FLAGSTAFF, Ariz.—Until June 20, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, T. S. O'Connell, State Highway Engineer, for constructing a railroad underpass in Flagstaff, N.R.M. 21 (A.F.E. No. 507). The work, which is located within the city limits of Flagstaff, consists of the construction of a railroad underpass and incidental grading, draining and paving work, and is to be completed on or before November 30. The work involves:
(1) 12,100 cy. yds. rdwy. excav.;
(2) 1,000 cu. yds. structural excav.;
(3) 1,208 cu. yds. concrete ;
(4) 99,000 lbs. reinf. steel;
(5) 18,200 lbs. structural steel;
(6) 710 lin. ft. CMP (various sizes);
(7) 2,679 lin. ft. combined curb and gutter;
(8) 4,089 sq. yds. concrete pavement;
(9) 2,620 cu. yds. placing stockpiled aggregate base course;
(10) 954 cu. yds. placing stockpiled plant mix;
(11) 9 tons cutback asphalt;
(12) other incidental items.

Funds have been programmed for the construction of this project in the amount of $100,225. Plans and specifications obtainable from the above.

BIDS OPENED

MARION and Linn Cos., Oregon.—Tom Lillebo, Reedsport, Oregon, at $37,531 (Alt. A) and $38,171 (Alt. B) submitted low bid to the State Highway Commission, Portland, June 7, for the construction of a bridge over the Santiam River at Mill City, on the Marion and Linn county line.

Complete bids follow:
Tom Lillebo, Reedsport, (Alt. A) $37,531; (Alt. B) $38,171.
Joplin & Eldon, Portland, $39,407; $40,185.
Theo. Arenz, Portland, $39,754; $40,-144.50.
J. J. Badraun, Portland, (Alt. A) $40,447; (Alt. B) .....
Averill & Philpott, Portland, $40,-839.60; $41,444.60.
O. N. Pierce, Portland, $41,180.00; $41,320.00.
Shattuck & Neland, Portland, $41,-461.50; $42,251.50.
C. J. Montag, Portland, $41,667.00; $41,977.00.
Kuckenberg-Wittman Co., Portland, $41,667; $42,307.
Portland Bridge Co., Portland, $42,-007; $42,165.
Mountain States Const. Co., Eugene $42,896; $43,286.
Oregon-Washington Bridge Co., Toledo, Wash., (Alt. A) $43,433.00; (Alt. B) .....
Birkemeier & Saremal, Milwaukie, Ore., $45,407; $45,737.

All bids have been referred to Marion and Linn county courts for disposal.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SACRAMENTO, Cal.—George Pollock, P. O. Box 903, Sacramento, at $0.228 per cu. yd., total, $79,572, submitted low bid to the U. S. Engineer Office, Sacramento, for raising and strengthening the existing levee and constructing a new levee along the southerly bank of the American River from the Western Pacific Railroad to the easterly boundary of the Meister Tract, a distance of about 2.3 miles, requiring 349,000 cu. yds. of earthwork. Complete bids follow:
George Pollock, Sacramento, $0.228; $79,572.
Delta Dredging Co., Pittsburg, $0.274; $95,626.
Hass, Doughty & Jones, San Francisco, $0.30; $104,700.
Frank C. Cuffe, San Rafael, $0.40; $139,600.
Engineer's estimate, $0.40; $80,270.

All bids held under advisement.

BIDS WANTED

VANCOUVER, Wash. — Until June 19, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Spec. No. 34-742 for removing the hull, machinery, boiler and equipment of the sunken stern wheel wooden hull steamboat "Diamond C" from the Columbia river, 15,000 ft. below the S. P. & S. Ry. bridge at Vancouver, and 1,400 ft. north of the lower end of Hayden Island, and disposing of the wreckage.

Specifications obtainable from above office.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

24— STREET LIGHTING SYSTEMS

BIDS OPENED

SAN FRANCISCO. — Fay Improvement Co., Phelan Bldg., at $12,489.00 submitted low bid to the Public Utilities Commission, Room 287, City Hall for the installation of lighting conduits on Tenth, Bryant, Harrison and Fell Sts. (L. & P. Contract No. 1).

Complete bids follow:

Fay Improvement Co.	$12,489.00
Globe Electric Works	14,598.10
West Coast Elec. Co., Ltd.	14,656.00
Victor Lemoge	14,729.00
Severin Elec. Co.	15,116.48
H. S. Tittle Co.	15,210.00
Enterprise Electric Co.	15,293.85
H. C. Reid	15,500.00
Central Electric Co.	15,512.00
Scott-Buttner Co.	18,004.00

ADDITIONAL PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—The following are additional contractors and others who have procured plans for the purpose of submitting bids to the Veterans' Administration, Washington, D. C., on June 26 for constructing a lawn sprinkling system at the Veterans' Ardministration Facility, Los Angeles:

J. Hokom Co., 860 N. Highland, Hollywood.

Lohman Bros., 232 S. Spring St., Los Angeles.

Munz Spralawn Corp., 18706 Woodward Ave., Detroit.

Hadden Co., Inc., 1101 Meridan Ave. Alhambra, Calif.

Thos. L. Dawson Co., 2035 Washington St., Kansas City, Mo.

Johnson & Davis Plbg. & Htg. Co., 2235 Araphoe St., Denver.

J. L. Powers, 227 E. Main Street, Bennetsville, S. C.

Mueller Brass Company, Port Huron, Michigan.

J. E. Moody Co., 1579 Riverside Dr. Los Angeles.

BIDS WANTED

SAN FRANCISCO.—Until June 21, 3 P. M., bids will be received by Public Utilities Commission, Room 287, City Hall, Felton Taylor, Secretary, for the installation of an ornamental street lighting system on Potrero Avenue. Light & Power Dept. Contract No. 4.

The work involves:

(1) 138 bracket lighting units;
(2) 140 pull boxes;
(3) 17,500 ft. conduit;
(4) 37,000 ft. primary cable.

Lump sum bids are asked.

Specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

BIDS WANTED

BAKERSFIELD, Cal.—Until June 25, 11 A. M., bids will be received by F. E. Smith, County Clerk, Kern County Board of Supervisors, for outdoor lighting system at the Fairgrounds, Bakersfield. Work includes installation of an outdoor lighting system at each of the two ball fields on North Chester Avenue.

Plans and specifications obtainable from above office.

CONTRACT AWARDED

SAN FRANCISCO—Central Electric Co., 179 Minna St., San Francisco, at $11,900 (Proposal A), awarded contract by the Public Utilities Commission, Room 287, City Hall, for the installation of an ornamental street lighting system at Mercer Manor (L. & P. Contract No. 2).

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN FRANCISCO — Louis Green, 2017 Vicksburg Ave., Oakland, at $140 per month each submitted low bid to the U. S. Forest Service, 85 Second St., San Francisco, for the rental of two dump trucks for approximately 60 days in Plumas National Forest. Complete bids follow:

Louis Green, Oakland	$140.00
M. Giorgi	159.50
Danial Gallagher Trucking Co., San Francisco	200.00
Thomas O'Brien, San Francisco	225.00
L. Devincenzi & Co., S. F.	240.00
Devincenzi Bros., S. F.	325.00

Bids held under advisement.

BIDS OPENED

FRESNO, Fresno Co., Cal.—Following submitted identical bids at $1,444 with an alternate of $1,405 (using pneumatic tires in place of solid rubber) to State Bureau of Purchases, Sacramento, for furnishing one 8-ft. rubber tired leaning wheel, bank cutting type grader with independent scarifier for delivery fob Fresno Division of Highway, Shop No. 6:

Budd & Quinn, Fresno.

J. D. Adams Co., Los Angeles.

Austin Western Road Machinery Co. Los Angeles.

*Jenison Machinery Co., San Francisco.

All bids 2%; 30 days .

* Submitted a second alternate for puncture sealed tubes at $1,432.

Bids held under advisement.

BIDS OPENED

FORT MASON, San Francisco—Identical bids at $8035 (net price), were submitted by the Automatic Transport Co., Chicago, and the Elwell-Parker Electric Co., Cleveland, to the Quartermaster Supply Officer, Fort Mason, for furnishing one crane heavy duty truck.

BIDS OPENED

FORT MASON, Cal. — Superior Grinding & Motor Parts Co., Inc., 865 Post St., San Francisco, at $819 each (net price), submitted low bid to the Quartermaster Supply Officer, Fort Mason, for furnishing two gasoline heavy duty type tractors, 50-hp.

Following bids receiced:

Superior Grinding & Motor Parts Co., Inc., S. F., $819 (net).

H. H. Manufacturing Co., Long Beach $930; 1% 10 days.

Lansing Co. of Delaware, Lansing, Mich., $900; 2% 20 days, f.o.b. Lansing.

CONTRACT AWARDED

SAN BERNARDINO, Calif.—Pacific Pump Works, 5716 Bickett St., Huntington Park, at $911 awarded contract by the San Bernardino City Water Commission June 11 for furnishing a 450-g.p.m. booster pump for the Hanford pumping plant. The bids were:

Pacific Pump Works, $911; alt. $765.

Chicago, Pump Co., $754.

Byron-Jackson Co., $743.

Robt. M. Hartwell Co., $1090; alt. $678.50.

AWARDS

LAWRENCE, Santa Clara Co., Cal.—Barshow & Balaeria, 527 Almaden Ave., San Jose, at $1625 awarded contract for furnishing school bus body, and Henry C. Artana, 355 W. Santa Clara St., San Jose, at $1866 awarded contract for furnishing chassis for 55-63 passenger school bus, by the Board of Trustees of Jefferson Union Elementary School District, Lawrence.

Gilig Bros., San Francisco, at $1695 (body) submitted the only other bid.

BIDS OPENED

DENVER, Colo.—Following bids received by the Bureau of Reclamation, Denver, under Spec. No. 618-D, for furnishing hydraulic testing machines for the Columbia Basin Proj., Wash.; Casper-Alcova Project, Wyo.; Boulder Canyon Project, Nev.; Parker Dam Project, Calif.; Uncompahgre Project, Colorado, and Verde Project, Arizona:

(1) six vertical hydraulic self-indicating, 200,000 lbs. capacity, compression type testing machines, for field laboratory use;

(2) one vertical hydraulic self-indicating, 300,000 lbs. capacity, universal type testing machine with hydraulic weighing system for research laboratory use;

(3) One universal type testing machine, same as item (2) except provided with pendulum indicating type of weighing system.

Toledo Scale Co., Defiance, Ohio, (1) $29,601.

Tinius Olsen Testing Machine Co., Philadelphia, (1) $10,500; (2) $5,750; (3) $6,500.00. Combinations: (1 and 2) $16,250; (1 and 3) $17,000.

Richle Bros. Testing Machine Co., Philadelphia, (1) $14,930; (3) $7,780.

Baldwin - Southwark Corp., Eddystone, Pa., (1) $10,500; (2) $6,875. Combinations: (1 and 2) $17,375 .

All bids held under advisement.

CONTFACT AWARDED

EXETER, Tulare Co., Cal.—The Exeter Mercantile Co., at approximately $4300 awarded contract by the Board of Trustees of the Exeter Union High School District, for furnishing one 41-48 passenger International school bus.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Following bids received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, Eureka, for the rental of one 3½-yd. dump truck for not more than 500 hours; the truck to be used at Boonville, Mendocino County:

	Per hour
Jack Starkenburg, Weott	$2.18
Wm. Colbert, San Francisco	2.43
Sunset Decomposed Granite Co., Hollywood	2.45
Wm. Kent, Weott	2.45
Daniel Gallagher T. M. & R. Co., San Francisco	2.50
Eugene Della Rosa, Martinez	2.50
Garcia Constr. Co., Irvington	2.50
M. E. Beckstrom, Trinidad	2.68
Ashurst Bros., Hopland	2.68
Chas. Kuppinger, Lakeport	2.75
Hemstreet & Bell, Marysville	3.25
K. N. Dewar, Eureka	3.25

All bids held under advisement.

26— RAILROADS

CONTRACT AWARDED

SKAMANIA COUNTY, Wash.—P. L. Crooks & Co., Inc., Henry Bldg., Portland, Oregon, at $339,395, awarded contract by the U. S. Engineer Office, 306 Customhouse, Portland, for relocating and reconstructing a portion of the Spokane, Portland and Seattle Railway Company's track and operating facilities between its mile posts 45 and 51, east of Portland, to accommodate construction of the Bonneville Power & Navigation Project.

BIDS WANTED

SAN FRANCISCO—Until July 5, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the reconstruction of the Potrero Avenue Street Car Line from 18th to Army Streets (M.R.R. Contract No. 168).

Specifications obtainable from Room 609, San Francisco Water Department Bldg., 425 Mason St., San Francisco, upon deposit of $10. Felton Taylor, Secretary of the Commission.

27—FIRE ALARM SYSTEM

LOW BIDDER

WALLA WALLA, Washington—Ne Page-McKenny Co., 80 Sixth Avenue, Seattle, at $5850 submitted low bid to the Veterans' Administration, Washington, D. C., June 12, for constructing revisions to the fire alarm and street lighting systems at the Veterans' Administration Facility, Walla Walla, Washington, under Project No. 825. Complete bids will be published shortly. *

28—FIRE EQUIPMENT

PLANNED

IRVINGTON, Cal.—The Town of Irvington plans to form a fire protection district and to purchase adequate modern fire-fighting equipment.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

LOS ANGELES, Cal.—Dravo Contracting Co., R. F. D. No. 1, Perris, Riverside County, was awarded a supplemental contract by the Metropolitan Water District, June 8 to construct an extension to present Val Verde tunnel, extending the tunnel easterly direction for not more than 865 feet, lieu of open cut.

AWARD

BONNEVILLE, Ore.—Lynch Bros., 3635 Woodland Park Ave., Seattle, Washington, at $7525 awarded contract by the U. S. Engineer Office, Portland, for performing all work required in drilling for the purpose of obtaining reliable information as to the nature of materials below the surface at Ruckle Slide on the south bank of the Columbia River, at Eagle Creek and Cascade Locks, in connection with the Bonneville Dam Project.

BIDS OPENED

LOS ANGELES, Cal.—George Hess, 434 S. Westmoreland Ave., Los Angeles, at $59,477 submitted low bid to the Los Angeles County Board of Supervisors June 11 for the construction and operation of plant and distribution system for applying water to face of San Gabriel Dam No. 2.

Complete bids follow:

George Hess, Los Angeles.....$59 477
Bennett & Taylor, Los Angeles 61,956
F. F. Greenfield, Los Angeles.... 65,856

Bids held under advisement.

BIDS WANTED

BONNEVILLE, Oregon—Until July 6, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Oregon, Major C. F. Williams, District Engineer, for navigation lock and power house substructure masonry for the Bonneville Power and Navigation Project. Estimated cost, $3,500,000.

The work consists of furnishing all plant, labor and materials except cement, and performing all work required for (1) additional excavation for navigation lock, fishways and powerhouse; (2) concrete for powerhouse intake and substructure for six units and draft tubes for two units and navigation lock; and (3) removal of cofferdams.

The navigation lock will be 516 ft. long and 76 ft. wide, with walls 91 ft. high through the lock chamber. Coping level will be at elevation of 85 ft. and floor at elevation of minus 5. Intake will be in river at west end of chamber and will connect with the filling and emptying system underneath the floor of the chamber. Emptying valves will be in culvert in the walls on either side of the lower miter gates.

The contract also calls for excavation of temporary navigation channel between the lock and the upper cofferdam and about 360 ft. of approach channel at the west end of the lock.

Powerhouse construction will include concrete for the intakes and substructure for six power units, draft tubes for two power units, fishway excavation and concrete, backfill at the north end of the powerhouse and removal of cofferdams which now block off the south channel of the river.

POWERHOUSE superstructure, pumps, turbines, draft tube liners, cranes, gates and other equipment will be furnished and installed under separate contract. The government will furnish the cement for the lock and powerhouse masonry.

POWERHOUSE substructure will be about 550 ft. long and 360 ft. wide. The base of the draft tubes will be at minus 58 elevation and the deck of the intake at an elevation of plus 95. A cantilever cofferdam wall 160 feet long and 120 feet high will be constructed, extending upstream from the northeast corner of the power house.

The powerhouse intake and substructure concrete will consist mostly of piers, slabs, beams, and walls from 2 to 10 ft. thick and heavily reinforced.

The powerhouse substructure and fishway work within the cofferdams and the lock are to be completed prior to April 1, 1935.

The work involves:

(1) 5000 cu. yds. embankment cutoff trench, Class 1 common;
(2) 3000 cu. yds. powerhouse excavation, Class 2, rock;
(3) 22,000 cu. yds. fishway excavation, Class 2, rock;
(4) 130,000 cu. yds. lock approach and pier excavation, Class 1, common;
(5) 15,200 cu. yds. lock and bridge pier excav., Class 2, rock;
(6) 200,000 sta. yds. overhaul;
(7) 110,000 cu. yds. cofferdam removal;
(8) 18,000 cu. yds. rock riprap on embankment;
(9) 6000 cu. ydsfl hand placed riprap
(10) 210,000 cu. yds. powerhouse backfill;
(11) 133,500 cu. yds. reinf. concrete, Class "A";
(12) 18,000 cu. yds. reinf. concrete, Class "B";
(13) 39,500 cu. yds. plain concrete, Class "B";
(14) 10,000 cu. yds. reinf. concrete, Class "C";
(15) 21,100,000 lbs. reinf. steel;
(16) 3,049,000 lbs. structural steel;
(17) 106,000 lbs. structural steel, copper bearing;
(18) 77,000 lbs. corrosion resisting steel;
(19) 221,000 lbs. nickel steel;
(20) 87,700 lbs. steel castings;
(21) 14,000 lbs. iron castings;
(22) 60,000 lbs. wrought iron;
(23) 17,000 lbs. bronze, rolled;
(24) 180,000 lbs. steel rails;
(25) 3560 lin. ft. vertical copper water stops;
(26) 15,500 lin. ft. horizontal copper water stops;
(27) 271,000 sq. ft. curved forms;
(28) 42,000 acre ft. pumping;
(29) 36,300 lin. ft. drilling anchor holes
(30) 383,000 lbs. anchor bars;
(31) 3000 lin. ft. drilling grout holes;
(32) 1300 lin. ft. 2-in. grout pipes;
(33) 400 cu. ft. pressure grouting;
(34) 43,900 lbs. standard 1-in., 2-in., 3-in., 4-in., 6-in., 10-in. galvanized W. I. pipe;
(35) 50,000 lbs. steel pipe, ¼-in. to ½-inch plate;
(36) 223,000 lbs. cast iron pipe 6-in. to 28-in. diameter;
(37) 40,700 lbs. cast iron pipe fittings;
(38) 18,000 lbs. cast iron pipe valves;
(39) 10,000 lin. ft. fiber conduit, 4-in.;
(40) 21,000 lin. ft. fiber conduit 3-in.;
(41) 1500 lin. ft. metal conduit, 2-in.;
(42) 3300 lin. ft. metal conduit, 1-in.;
(43) 35,000 lbs. miscellaneous items of metal work;
(44) 31,000 lin. ft. wood bearing piling below cutoff;
(45) 3700 lin. ft. wood bearing piling above cutoff;
(46) 42 MFBM pile bracing;
(47) 3 stations roadway grading;
(48) 3 stations roadway macadam surface.

Plans and specifications obtainable from Room 341, Pittick Block, Portland, Oregon, and from the Pacific Division Office, Customhouse, San Francisco.

CONTRACT AWARDED

LOS ANGELES, Cal.—Cannon Bros., 223 S. Pannes Co., Compton, at $14,790 was awarded contract by Los Angeles County Board of Supervisors, June 11, for diamond core drilling for spillway at site of San Gabriel Dam No. 1, approximately 36 holes. E. C. Eaton, 205 S. Broadway, County Flood Central Engineer.

31—PIPE LINES & WELLS

BIDS WANTED

SNOHOMISH, Wash.—Until June 22, blds will be received by the Snohamish City Council for rebuilding the gravity water line. Estimated cost, $200,000.

The project will be let in three contracts. The first is for material and construction of 6750 ft. of 10-in. wood and 400 ft. of cast iron pipe for the supply main from the reservoirs to Avenue D. Contract 2 is for furnishing 15 miles of 14, 16 and 18-in. wood pipe for the gravity line from the Pilchuck dam to the reservoirs. Contract 3 is for laying the pipe. Specifications obtainable from above office.

32—SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

LOS ANGELES, Cal.—United Concrete Pipe Corp., 1347 W. 208th St., Los Angeles, at $200,969.40 awarded contract by the Los Angeles Board of Public Works, for the construction of a storm drain in a portion of Macy Street between the Los Angeles river and a point 173 ft. west of Avila St., to serve the Union Passenger Termination Station.

TO ASK BIDS

SAN MATEO, San Mateo Co., Cal.—The San Mateo City Council will ask bids some time in July for the construction of a new sewage system in the Howard addition east of North Eldorado Street. The work will require approximately 2,000 ft. of 6-in. vitrified pipe and 10 manholes. Estimated cost, $2500.

FUNDS ASKED

SANTA BARBARA, Cal.—Victor E. Trace, City Water Superintendent, has announced that surveys for the proposed filtration plant started June 6. The water commission has asked the city council to appropriate $75,000 to finance the project in addition to $19,400 asked for a purification system. The filtration plant will be installed at the south portal of Mission Tunnel.

BIDS WANTED

GRAND COULEE DAM, Wash.—Until July 2, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, Wash., supply and sewer systems for the for the construction of the water Government camp at Grand Coulee Dam, Columbia Basin Project, Wash. Specifications No. 575. The work is lo-

cated about 22 miles northwest of Almira, Wash., and involves:
(1) 11,550 cu. yds. excavation for structures;
(2) 310 cu. yds. concrete;
(3) 18,770 lin. ft. excav. and back fill of pipe trenches;
(4) 14,000 lbs. reinforcing bars and fabric;
(5) 20,410 lin. ft. 3-in. to 8-in. cast-iron water pipe, fittings, valves, etc.;
(6) 10,750 lin. ft. 4-in. to 10-in. sewer pipe, fittings, etc.;
(7) 130 lin. ft. 8-in. slip-joint metal pipe;
(8) 20 fire hydrants;
(9) 200 corporation cocks;
(10) 18,000 lin. ft. ¾-in. and 1-in. copper service pipe;
(11) 55 sewer manholes;
(12) Utility and domestic water reservoirs, valve chambers, and chlorination house.

Plans and specifications obtainable from above.

BIDS WANTED

SAN FRANCISCO—Until June 27, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the construction of a new invert in the Lake Street sewer from 24th Ave. and Lake St. to a point beyond 27th Ave. and Seacliff Ave. The work involves:
(1) 1900 lin. ft. vitrified brick invert lining in place;
(2) 50 cu. yds. concrete, in place.

Plans and specifications obtainable from City Engineer John J. Casey, Room 351 City Hall, upon deposit of $10. The work will be financed by the $2,625,000 PWA allotment, for which bonds were voted November 7, 1933.

CONTRACT AWARDED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., at $155,250.80 awarded contract by Department of Public Works, Room 251, City Hall, for the construction of the Fifteenth Street Sewer, Section "C" in Treat Ave. from Alameda St. to Bryant St. and in Division St. from Bryant St. to Tenth St.

BIDS WANTED

SAN FRANCISCO—Until June 27, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the construction of a sewer and appurtenances in Sloat Blvd. and Forty-fourth Ave. The work involves:
(1) 689 lin. ft. 2-ft. 6-in. x 3 ft. 9-in reinf. concrete sewer;
(2) 1120 lin. ft. 2-ft. 0-in. x 3-ft. 0-in. reinf. conc. sewer;
(3) 453 lin. ft. 21-in. V.C.P. sewer, in place;
(4) 120 lin. 12-in. V.C.P. sewer, in place;
(5) 1 reinf. concrete taper structure from 2-ft 6-in. by 3-ft. 9-in. to 2ft. 0-in. by 3-ft. 0-in.;
(6) 7 brick and concrete manholes on reinf. concrete sewer;
(7) 2 brick or concrete manholes on V.C.P. sewer;
(8) 26 21-in. x 6-ft. wye or tee branches.

Plans and specifications obtainable from City Engineer John J. Casey, Room 351, City Hall, upon dposit of $10. The work will be financed by the $2,625,000 PWA allotment for which bonds were voted November 7, 1933.

TO ASK FUNDS

SAN JACINTO, Cal.—The San Jacinto Council has voted to apply to the SERA of Riverside County for $30,000 for the construction of the proposed sanitary sewer system. Of this sum $21,000 will be expended for labor and $9000 for materials. Specifications will be prepared by Koebig & Koebig, consulting engineers, Rowan Bldg., Los Angeles.

FUNDS AVAILABLE

LOS ANGELES, Cal.—County Sanitation Engineer W. T. Foster has announced that an appropriation of SERA funds will probably be available in the next few weeks for the completion of the Bellflower Sewer Project which was started under the CWA last December. The project was 40% completed when the CWA organization was abandoned. The cost was originally estimated at $580,000. The completion will require about $350,000.

ELECTION PLANNED

MIDWAY CITY, Cal.—George L. Bates, consulting engineer, 105 W. 5th St., Santa Ana, has announced that the Orange County Supervisors will be asked to call an election to vote on a $25,000 bond issue to finance the purchase of materials for a sanitary sewer system and treatment plant in Midway City. Application for $70,000 for labor will be made to the SERA.

33—WATERWORKS

TO APPOINT ENGINEER

SANTA ROSA, Cal. — The Santa Rosa City Manager, Fred C. Steiner, has been authorized to engage an engineer to make a survey of the city water system in an endeavor to make the city's Water Department self-sustaining.

CONTRACT AWARDED

ARCADIA, Los Angeles Co., Cal.—Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles, at $720 ($0.24 per ft.) awarded contract by the Arcadia City Council for furnishing labor, materials and equipment for placing in trench, electrically welding and testing approximately 3000 lin. ft. of 16-in. steel water pipe on Huntington Drive from Santa Anita Ave. westerly.

The bids were:	Per Ft.
Western Pipe & Steel Co.	$0.24
Bamber & Company	.26
Pacific Crane & Rigging Co.	.33
Marko Matick	.40
Southwest Welding & Mfg. Co.	.64

BIDS WANTED

STOCKTON, Cal.—Until June 25, 11 A. M., bids will be received by the San Joaquin County Board of Supervisors, County Courthouse, Stockton, for furnishing and installing a new water tube boiler at the San Joaquin General Hospital.

Specifications obtainable from County Purchasing Agent W. Y. Tretheway, County Courthouse, upon deposit of $10.

Eugene O. Graham, County Clerk.

June 9, 1934

CONTRACT AWARDED

DRAIN, Ore.—D. P. Slater, Salem, at $17,749 submitted low bid and was awarded contract by the Drain City Council June 4 for constructing improvements to the municipal waterworks system, consisting of a 6-inch wood or stave pipe line about three miles in length, a wood stave tank, etc. The other bids were:

National Tank & Pipe Co., Portland	$18,482
G. L. Potts, Portland	18,251

The award is contingent upon PWA

PLANNED

STOCKTON, Cal.—The California Water Service Corporation, H. K. Griffin, General Manager, Federal Reserve Bank Bldg., San Francisco, plans to extend its water mains westward along Washington St., Stockton. The work will involve about 1 mile of 8-in. cast iron main.

BONDS SOLD

ROSEVILLE, Placer Co., Cal.—The Roseville City Council has authorized sale of $50,000 of municipal bonds to R. H. Moulton Co., San Francisco, with an option to purchase an additional $200,000 of the same issue. The interest rate is fixed at 5½ per cent. The City Council will hold bids received on the initial unit of a proposed municipal water distribution system until June 29, pending further negotiation toward purchase of the existing plant of the Public Utilities California Corporation.

Baar & Cunningham, Spalding Bldg., Portland, are the consulting engineers.

BIDS WANTED

WHITTIER, Cal.—Until June 18, 7:30 P. M., bids will be received by the Whittier City Council for furnishing f.o.b. delivered city yards, 10,000 ft. 6-in. Class "B" or Class "15$" cast iron pipe in accordance with Spec. WW-P-421, Federal specifications or equal. The time of delivery is to be stated.

Alternate bids will be taken on 20,000 ft. of the same.

M. R. Bowen, City Engineer. Debbie E. Allen, City Clerk.

Specifications obtainable from above office.

PLANNED

SANTA CRUZ, Cal.—Provision for a new city water main paralleling Mission Street, Santa Cruz, will be made in this year's budget, according to Water Superintendent R. S. Tait.

The present Davis Street line is 2-in. size. The department plans to replace it with a 14-in. main.

34—PARKS AND PLAYGROUNDS

BIDS OPENED

REDLANDS, San Bernardino Co., Cal.—San Felipe Nursery, San Bernardino, will be recommended for the award of contract to seed and plant the grounds around the new Redlands post office, according to B. H. Graff, supervising engineer on the project. Bids for the work follow:

San Felipe Nursery, (1) moving existing trees from Brookside Avenue to the site, $495.33; (2) planting new stock, $397.83.

City Nurseries (1) $914.06; (2) $760.56.

Sidney Hockridge, (1) $1360.55; (2) $858.55.

CONTRACTS AWARDED

OAKLAND, Cal. — Oakland Playground Directors, awarded the following contracts for constructing tennis courts and for fencing courts in the San Antonio Park and the Bushrod Playground:

Tennis Courts

P. M. Hening, 5228 Lawton Ave., Oakland, $1574 (Bushrod Playground).

W. H. Larson, 432 Bichigan Avenue, Berkeley, $2990 (San Antonio Park)

Fencing

Pacific Coast Fence Co., 3016 Lakeshore, Oakland, $1867.17 (San Antonio Park).

Standard Fence Co., 6th and Lowell Sts., Oakland, $1078.58 (Bushrod Playground).

CONTRACT AWARDED

BEND, Oregon—Wm. Montgomery, Bend, Oregon, has been awarded a contract by the Treasury Department, at $1750, for furnishing and installing a lawn sprinkling system on the grounds of the United States Post Office in Bend.

BIDS WANTED

SAN LUIS OBISPO, Calif. — Until June 26, 7:30 P. M., bids will be received by C. L. Smith, Clerk, San Luis Obispo High School District, for the construction of 3 tennis courts at the San Luis Obispo Senior High School campus. Plans and specifications may be obtained from the Supt. of Schools and from Burch & Beck, San Luis Obispo.

PLANNED

DALY CITY, San Mateo Co., Cal.—Daly City is contemplating constructin tennis courts and a baseball diamond in the Vista Grande section of Daly City, as soon as funds are available.

29—STREETS AND HIGHWAYS

BIDS WANTED

GLENDALE, Ariz.—Until June 20, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix-Prescott Highway (Glendale streets) NRM 33-A and NRM 48 (AFE No. 510). The work, which is located in the city of Glendale, extending along Grand Ave. for a distance of 1.15 miles, consists of the widening of existing pavement with portland cement concrete, extending six concrete box culverts and other incidental work, and is to be completed on or before Sept. 30.

The work involves:
(1) 13,500 sq. yds. grading;
(2) 13,500 sq. yds. concrete pavement;
(3) 175 cu. yds. struc. excavation;
(4) 70 cu. yds. Class A concrete;
(5) 5,000 lbs. reinf. steel;
(6) other incidental items.

Funds have been programmed for the construction of this project in the amount of $45,500. Plans and specifications obtainable from the above. T. S. O'Connell, state highway engineer.

BIDS OPENED

WASHINGTON STATE.—Following bids received by Washington State Highway Commission, Olympia, June 5, for highway construction as follows:

Lewis and Pierce Counties Bituminous Surfacing

H. P. Dorsey Co., Bellingham, at $39,606, submitted low bid for constructing bituminous treated surface on 15.9 miles and seal coat on 34.4 miles of State Road No. 5, Mill Creek to Elbe, and Kosmos to Packwood. Newport Const. Co., Portland, at $41-481 submitted second low bid, and F. J. Kernan, Faloma, Oregon, at $42,-530 submitted third low bid.

Grays Harbor and Mason Counties Bituminous Mat

F. J. W. Forbes, Olympia, at $59,-403 submitted low bid for constructing a bituminous mat on about five miles of State Road No. 9, Oakville to Gibson Creek and on about 9.8 miles from Junction State Road No. 14 to Lilliwaup. F. J. Kernan, Faloma, at $59,541 submitted second and Babler Bros., Portland, at $62,075 submitted third low bid.

Mason, Jefferson and Kitsap Counties Bituminous Seal Coat

F. J. Kernan, Faloma, Oregon, at $45,311 submitted low bid for constructing 32.7 miles seal coat on State Road No. 9, Lilliwaup to Wildwood Park in Mason and Jefferson Counties, and 10.3 miles seal coat on State Road No. 21, Chico Creek to Keyport, in Kitsap County, and bituminous treated surface on 22.6 miles of State Road No. 21, Keyport Junction to Port Camble to Kingston, in Kitsap County. H. P. Dorsey, Bellingham, at $46,504 submitted the only other bid.

CONTRACT AWARDED

RIVERSIDE COUNTY, Cal.—Matich Bros., Elsinore, at $2189 awarded contract by the State Highway Commission, Sacramento, for treating shoulders with fuel oil on about 1.9 mi. in Riverside County in the City of Elsinore.

Complete bids published May 29.

BIDS WANTED

APACHE COUNTY, Arizona—Until June 28, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for 4.1 miles of subgrade reinforcement on Section B2 of Route 1, Petrified Forest National Monument, Apache County, Arizona. The work involves:
(1) 5300 cu. yds. subgrade reinforcement;
(2) 7800 cu. yds. mile hauling subgrade reinf.

Plans and specifications obtainable from above office and from the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.

COMPLETE BIDS

YUMA COUNTY, Ariz. — Pleasant-Hasler Const. Co., 324 Luhrs Bldg., Phoenix, at $102,822.02, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, June 6, for improving the Blythe-Wickenburg Highway, N.R.H. 58-D. The work, which is to begin near the town of Salome and extends about 18.7 mi. northeast to the Yuma-Maricopa county line, consists of placing base course and mineral aggregate and oil processing by the road mix method.

Complete bids follow:

Pleasant- Hasler Const. Co., Phoenix, $102,822.02.

George W. Orr, Bisbee, $104,294.66.

Phoenix-Tempe Stone Co., Phoenix, $104,468.01.

W. E. Hall, Phoenix, $109,269.82.

Pearson and Dickerson, Prescott, $115,904.00.

Martin Bros. Trucking Co., Long Beach, Cal., $120,753.49.

COMPLETE BIDS

THATCHER and Safford, Arizona.—Copper Cities Lime & Stone Const. Co., Miami, Ariz., at $19,918.35, as previously reported, submitted low bid to the Arizona State Highway Commission, June 6, for highway construction on the Geronimo-Solomonville Highway, N.R.M. 43 and N.R.M. 67. The work, which is located within the towns of Thatcher and Safford, and is approximately one twenty-third of a mile in length, consists of concrete pavement widening.

Complete bids follow:

Copper Cities Lime & Stone Const. Co., Miami, $19,918.35.

R. E. Martin & Co., Tucson, $21,-399.26.

Elliott Long, Safford, $21,634.60.

BIDS OPENED

JACKSON COUNTY, Oregon—Theo. Arenz, Guaranty Bldg., Portland, at $35,721 submitted low bid to Oregon State Highway Commission, Portland, June 7 for 350 lin. ft. of paving and grading and construction of abutments for an overcrossing structure on the Ashland Undercrossing Section of the Pacific Highway.

Complete bids follow:

Theo. Arenz, Portland, $35,721.00.

United Contracting Co., Portland, $42,604.00.

G. I. Stebbins Const. Co., Klamath Falls, $43,715.00.

Mountain States Const. Co., Eugene $45,917.00.

Hoffman Const. Co., Portland, $48,-042.00.

CONTRACT AWARDED

COOS COUNTY, Ore.—P. H. Cochran, 7433 N. Jersey, Portland, at $16,-828, submitted low bid and awarded contract by the Oregon State Highway Commission June 7 for 0.21 miles grading on the South Approach to Coos Bay Bridge on the Oregon Coast Highway at North Bend.

Complete bids follow:

P. H. Cochran, Portland, $16,828.00.

J. A. Lyons, Portland, $18,040.

Saxton & Looney, Portland, $18,724.

M. L. O'Neil & Sons, Eugene, $18,740.

M. C. Lininger & Son, Ashland, $18,-800.

H. B. Morton, Lebanon, $18,880.

Homer G. Johnson, Portland, $19,-780.

C. T. Malcom, Portland, $23,040.

La Dee Logging Co., Portland, $31,-770.

CONTRACT AWARDED

SHERMAN COUNTY, Ore.—Collins Concrete Pipe Co., foot of N. Albina St., Portland, at $8,497.62 (concrete fence posts and concrete sight posts) awarded contract by the Oregon State Highway Commission, Portland, June 7 for the construction of approximately 11,500 lin. ft. of guard fence and furnishing and installing 320 sight posts on the Deschutes River-John Day River guard fence project on the Columbia River Highway.

Complete bids follow:

Collins Concrete Pipe Co., Portland (wood fence posts, wood sight posts) $7,764.50; (concrete fence posts, wood sight posts) $8,497.62; (concrete fence posts, concrete sight posts) $8,497.62.

Kern & Kibbe, Portland, $8,773.00; $10,958.00; $11,550.00.

Herbert C. Moss, Zenith, Washington, $8,812.00; $11,227.00; $11,835.00.

O. N. Pierce, Portland, $8,933.00; $11,693.00; $12,285.00.

Standard Fence Co., Portland, $7,-997.00; $12,252.00; $13,378.40.

Homer G. Johnson, Portland, $9,760; $12,635.00; $13,675.00.

Wm. C. Schmitt, Portland, $9,911; $13,019.00; $13,719.80.

McKenzie Const. Co., Eugene, $10,-843.40; $14,523.40; $14,891.40.

Shattuck & Neland, Portland, $13,-610.00; $.....; $.....

PLANNED

SANTA CRUZ, Cal.—City Engineer Roy Fowler has estimated the cost of repaving a section of Ocean St., bet. Water St. and Plymounth St., at $7000 The City Council will recommend use of gasoline tax money for the improvement of the project.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—E. F. Hilliard, 1355 42rd St., Sacramento, at $2928.40 awarded contract by the Sacramento County Board of Supervisors, Courthouse Bldg., Sacramento, for paving with asphalt macadam the section of the lower Stockton Road in the town of Franklin, about 13 miles south of Sacramento.

PLANNED

COLVILLE, Utah.—E. H. Dorland, 55 South 12th East St., Salt Lake City, Utah, is preparing plans and specifications for the construction of a 250,000 gallon concrete lined reservoir for the city of Colville, Utah. Plans will probably be ready the first part of next week and bids called for at an early date.

BIDS OPENED

SPOKANE, Wash. — The Western Engineering Co., 5237 East Marginal Way, Seattle, at $3,865 submitted low bid to the Spokane City Council for construction of a 300,000 gallon reservoir to be erected as a part of the Indian Canyon golf course water system. They proposed to dismantle the

city's standpipe at 29th and Garfield and to use the material in the construction of the reservoir. The bids ranged from $3,865 to $10,500.

The following firms submited bids: Western Engr. Co., Seattle; Alloway & Georg, Chicago; Bridge & Iron Co., San Francisco; Pittsburgh - Des Moints Steel Co. of Seattle; Seattle Boiler Co.; Union Iron Works of Spokane, and the Steel Tank & Pipe Co., of Portland.

All bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal. — Southern California Roads Co., 2145 E. 25th St., Los Angeles at $86,371.85 awarded contract by the Los Angeles Board of Public Works, June 8, for improving Sepulveda Blvd., from National Blvd., to Venice Blvd., under cash contract.

BIDS OPENED

LOS ANGELES, Cal.—Geo. J. Bock & Son, 1007 S. Harvard Blvd., at $21,-256.33 submitted low bid to the Los Angeles Board of Public Works, June 6, for grading, paving, and otherwise improving the streets in the Kingman Avenue and Entrada Drive Improvement District, PWA Project No. 5646. Total bids follow:

Geo. J. Bock & Son, L. A.	$21,256.33
G. R. Curtis Paving Co., L. A.	21,640.85
T. E. Shafer, Los Angeles	22,422.13
Griffith Co., Los Angeles	22,693.62
Koopman-Wright Co., L. A.	22,802.68
L. A. Paving Co., L. A.	24,346.47
Engineer's Estimate	22,331.73

CONTRACT AWARDED

LOS ANGELES CO., Calif.—Basich Bros., 20550 Normandie Ave., Torrance at $150,290 awarded contract by the State Highway Commission, Sacramento, for grading and paving about 2.0 miles in the City of Los Angeles between west city limits and Wilmington Blvd.

CONTRACT AWARDED

LOS ANGELES CO., Calif.—Matich Bros., Elsinore, at $38,163 awarded contract by the State Highway Commission, Sacramento, for 41.1 miles fuel oil treatment of roadbed and applying bituminous treatment to the shoulders at various locations in Los Angeles County.

AWARD

LOS ANGELES and Orange Cos., Cal.—Dimmitt & Taylor, 815 E. 59th St., Los Angeles, at $29,695 awarded contract by the State Highway Commission, Sacramento, for 34.6 miles roadbed and shoulders to be treated with heavy fuel oil and shoulders to be treated with bituminous seal coat.

BIDS WANTED

LOS ANGELES, Cal.—Until June 27, 10 A. M., bids will be received by the Los Angeles Board of Public Works, for improving Imperial Highway from Central Ave. to Belhaven St. under cash contract. The work involves:

(1) lump sum, grading (1143 cu. yds. excav. and 17 yds. fill);
(2) 23,912 sq. ft. concr. paving, 7-in. thick;
(3) 738 sq ft. asph. concr. paving, 6-in. and asphalt wearing surface 2-in. thick;
(4) 11,963 sq. ft. oiled roadway;
(5) storm drain and appurtenant work, complete;
(6) 210 sq. ft. rock and oil surface, 2-in. thick;
(7) creosoted pile trestle bridge complete, including paving of deck and other appurtenances.

BIDS WANTED

LOS ANGELES, Cal.—Until June 20, 10 A. M., bids will be received by the Los Angeles Board of Public Works for improvement of Venice Blvd. at Eastham St. and Aguinaldo St. across Pacific Electric Company's right-of-way, under cash contract. The work involves:

(1) lump sum, grad. (170 cu. yds. cut);
(2) 7636 sq. ft. asph. concr. pave (2-in. asph. concr. wearing surface on 4-in. asph. conc. base);
(3) 247 sq. ft. asph. concr. wearing surf., variable thickness, average thickness 2-in.;
(4) 307 lin. ft. unplastered light curb
(5) 746 sq. ft. one-course walk;
(6) 229 sq. ft. 6-in. concrete gutter;
(7) lump sum, storm drain and appurten., involving 30 cu. yds. cut for culvert;
(8) 58.5 ft. reinf. concr. sidewalk culvert;
(9) 32.64 ft. reinf. concrete roadway culvert;
(10) 1 catchbason No. 38;
(11) 3 catchbasin frame and cover sets;
(12) 17 ft. 10-in. concrete pipe;
(13) 15 ft. 18-in. corr. metal pipe;
(14) 2 headwalls (27 cu. yds. concr. and 60 sq. ft. form);
(15) 15 ft. concr. reinf. for 10-in. pipe;
(16) removals 240 ft. curb and 448 sq. ft. walk.

Plans and specifications obtainable from above.

PLANNED

MARTINEZ, Cal.—City Engineer, O. K. Smith, is preparing recommendations for street improvement in the City of Martinez, which will be forwarded to Colonel John Skeggs, State Bldg., San Francisco, District Engineer of the State Highway Department. The projects outlined are

(1) Paving of about 240 ft. on the extensions of Escobar St. where the present paving is sinking;
(2) Maintenance of the general routes approved by the State as continuation of State highways through Martinez. These streets are High Street, Alhambra Ave. and Escobar St., and its extension to the city limits of Fairway;
(3) Widening of one block of Alhambra Ave., between Thompson and Mellus Streets from 30 to 36 feet.

The improvements will be financed out of the City's $7300 share of gas tax funds.

BIDS WANTED

SACRAMENTO, Cal.—Until June 21, 8 P. M., bids will be received by the Sacramento City Council, City Hall, Sacramento, for paving with asphalt concrete a section of Freeport Blvd. in front of the Sacramento Junior College and William Land Park, involving:

(1) 461 cu. yds. excav. and grading;
(2) 346 cu. yds. fill;
(3) 1340 lin. ft. concr. curb and gutter;
(4) Remove 3 Elm trees;
(5) Remove 2 power poles;
(6) 2525 sq. ft. 5½-in. asph. pave.;
(7) 5 manholes complete;
(8) 2925 lin. ft. 4-in. drain tile;
(9) 201 cu. yds. cementing gravel;
(10) 650 tons asphalt concrete;
(11) 3 gutter drains in place;
(12) 2 gutter drains reset;
(13) 156 lin. ft. 6-in. vit. iron pipe sewer;
(14) 100 lin. ft. 8-in. do;
(15) 450 lin. ft. 10-in. do;
(16) 400 lin. ft. 12-in. do;
(17) 338 lin. ft. 14-in. do;
(18) 48,960 sq. ft. pavement to plane and seal coat.

Plans and specifications obtainable from Fred J. Klaus, City Engineer, Sacramento. Estimated cost, $20,000.

CONTEMPLATED

EL CERRITO, Cal.—The El Cerrito City Council plans to extend "C" St. through to Behrnes St., a distance of approximately 50 feet.

CONTRACT AWARDED

RIVERSIDE COUNTY, Cal.—Matich Bros., Elsinore, at $1968 awarded contract by State Highway Commission, Sacramento, for 1.7 mi. fuel oil treatment in Riverside County in the City of Perris.

BIDS WANTED

INYO AND MONO COUNTIES, Cal. —Until June 26, 2 P. M., bids will be received by S. W. Lowden, Acting District Engineer, District IX, Bishop, Calif., for treating about 2'.7 miles of existing roadbed with 3095 bbls. heavy fuel oil (60-70) in place, in Inyo and Mona Counties at various locations between 6.4 miles north of Bishop and the California-Nevada Line (IX-Iny, Mon-76-A & B).

Plans and specifications obtainable from above.

LOW BIDDERS

ARIZONA STATE—Vinson & Pringle, 919 E. Madison St., Phoenix, Ariz. at $8469, submitted low bid to the Arizona State Highway Commission, Phoenix, Ariz., June 6, for highway construction on the Winslow-Flagstaff Highway, N.R.H. 74 (A.F.E. No. 6630). The work which is located about 16 miles west of Winslow, consists of grading, draining and placing of base course and oil mix at the Sunshine Railroad Underpass, and is to be completed on or before August 15, 1934. Olds Bros. Lumber Co., Winslow, Ariz., submitted the second low bid at $9064.

CONTRACT AWARDED

OAKLAND, Cal.—J. H. Fitzmaurice, 2857 Hannah St., Oakland, at $2264.91 awarded contract by the Oakland City Council for the improvement of Foothill Blvd. from Lakeshore Avenue to Second Avenue.

BIDS OPENED

SANTA PAULA, Cal.—R. A. Wattson, 1026 McCadden St., Los Angeles, at $12,045.18 submitted low bid to the Santa Paula City Council, June 11, for improving Harvard St. Total bids follow:

R. A. Wattson, Los Angeles	$12,045.18
Southwest Paving Co., L. A.	12,863.55
Oswald Bros., L. A.	14,480.73
R. E. Hazard Constr. Co., San Diego	14,819.00
Griffith Co., Los Angeles	16,098.50

BIDS REJECTED

GRAYS HARBOR COUNTY, Wash. —Newport Construction Co., 315 Governor Bldg., Portland, at $77,097 submitted low bid to the Washington State Highway Commission, Olympia, June 12, for grading about 0.9 mi. and surfacing with crushed stone about 7.4 miles of State Road 13, Arctic to to Pacific County Line, in Grays Harbor County. The other bids were:

James Borin, Cosmopolis	$85,663
Pentilla & Bighill, Naselle	87,614

All bids rejected.

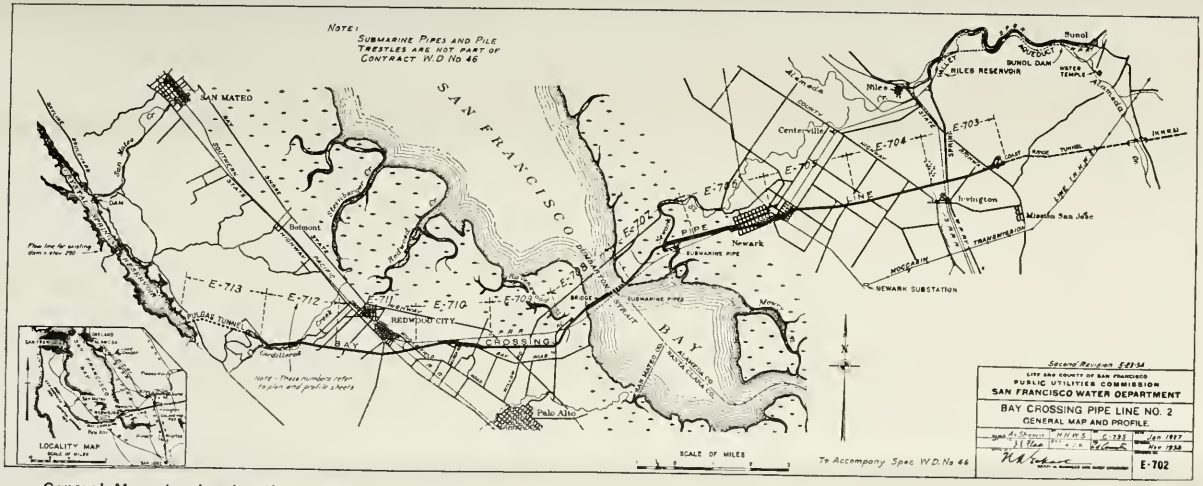
BIDS WANTED

LONG BEACH, Cal.—Until June 21, 10 A. M., bids will be received by the Long Beach City Manager, James H. Bonner, under plans and specifications No. R-778, for improving portions of First Street, between Lindero Avenue and Paloma Ave., and Second Street, between Kennebeck Ave. and Orizaba Ave. in the City of Long Beach, by constructing asphalt concrete pavement and all necessary grading. Specifications obtainable from above. The work involves 1290 tons asphaltic concrete.

(Continued on Page 28)

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor



General Map showing location of Bay Crossing Pipe Line No. 2 to be constructed for the San Francisco Public Utilities Commission

SAN FRANCISCO — BAY CROSSING PIPE LINE NO. 2 — (CITY)

SAN FRANCISCO.—Following bids received by the Public Utilities Commission, Room 287, City Hall, for the construction of the Bay Crossing Pipe Line No. 2, under Contract & Specification W. D. 46:

	Section A Prop. 1	Section A Prop. 2	Section B	Section C	Sec. A Prop. 1 & Sec. B	Sec. A Prop. 2 & Sec. C	Sec. A Prop. 1 & Secs. B, C	Sec. A Prop. 2, Sec. B, C
(A) Western Pipe & Steel, 444 Market St., San Francisco	$1,224,062.06	$	$ 534,520.80	$	$1,732,297.80	$	$	$
(B) American Conc. & Steel Pipe, 19th Ave. and Estuary, Oakland				638,929.30			2,430,037.40	2,559,728.40
(C) Consolidated Steel Corp., Slauson and Eastern Aves., L. A.	1,247,732.50		542,052.00		1,760,589.50			
(D) United Concrete Pipe Corp. Box 1 Station H, Los Angeles				658,829.85				
(E) Frazier Davis Co., 1319 Macklind Ave., St. Louis & G. L. Tarlton, 1406 Ambassador Bldg., St. Louis							2,777,278.00	

Under the proposed contract or contracts, a pipe line about 20.7 miles long is to be constructed, paralleling the existing Bay Crossing Pipe Line of the City and County of San Francisco, which extends from the Irvington Portal of the Coast Range Tunnel of the Hetch Hetchy Aqueduct, about 1.5 miles east of Irvington, in Alameda County, in a westerly direction to the East Portal of the Pulgas Tunnel of the Hetch Hetchy Aqueduct, about 3 miles west of Redwood City, San Mateo County.

For the purposes of bidding and award of contract, the pipe line is divided into Sections A, B and C, as follows:

Section A, totaling about 11.3 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station and the Pulgas Tunnel. This section may be constructed either of 66-in. diameter welded steel pipe under Proposition 1, or 62-in. diameter steel cylinder reinforced concrete pipe with short sections of 66-in. diameter welded steel pipe in certain locations, under Proposition 2.

Section B, totaling about 4.4 miles of pipe line, covers that portion of the line, excepting the submarine pipes, to be constructed between the concrete anchor block near the Pulgas Pump Station. This section will be constructed of 66- and 76-in. diameter welded steel pipe. Those portions of the concrete anchor blocks to be constructed under this contract or contracts shall be performed as part of Section B.

Section C, totaling about 5.0 miles of pipe line, covers certain portions of the line between the Irvington Portal and the concrete anchor block near the gate house at Newark; and certain portions of the line between a point opposite the Pulgas Pump Station, and the Pulgas Tunnel. This section will be constructed of 62-in. diameter steel cylinder reinf. concrete pipe with short sections of 66-in. diameter welded steel pipe.

Alternate Propositions for Section A: This section of the line may be constructed under either of the following propositions:

Proposition 1—66-in. diam. welded steel pipe;
Proposition 2—62-in. diameter steel cylinder reinforced concrete pipe.

Possible Awards: The work may be awarded in one, two or three separate contracts as follows:

(1) A single contract may be awarded for the construction of the entire pipe line covering Sections B, C and A under either Propositions 1 or 2.

(2) Two separate contracts may be awarded for the construction of the pipe line as follows: One contract covering Section A under Prop. 1, together with Section B and one contract for Section C; or one contract covering Section A under Prop. 2, together with Section C and one contract for Section B.

(3) Separate contracts may be awarded for the construction of each of the three sections of the pipe line, as follows: A contract for Section B; a contract for Section C; and a contract for Section A under either Propositions 1 or 2.

Bids were taken as follows:	Unit	Section A Prop. 1	Prop. 2	Sec. B	Sec. C
(1) furnish and lay 66-in. dia. welded steel pipe of ⅝-in. plate;	lin. ft.	26,600	1,880	.....	170
(2) do 76-16-in. plate;	lin. ft.	33,100	150	19,300	340
(3) do 76-in. dia. do ½-in. plate;	lin. ft.	.....	.....	3,870	.....
(4) furnish and lay steel pipe or pipe specials not included in other items;	lbs.	39,500	39,500	147,000	6,800
(5) felt wrapping on steel pipe;	sq. ft.	945,000	.....	.....	.....
(6a) ¾-in. mortar covering on steel pipe;	sq. ft.	135,000	.....	.....	.....
(6b) 2-in. reinf. conc. do;	sq. ft.	25,000	.....	.....	.....
(7) furnish and install expansion joints for 76-in. dia. pipe;	each	.....	.....	18	.....
(8) do for 66-in. pipe;	each	3	3	2	1
(9) furnish and install manholes for 150 lbs. pressure;	each	20	20	.....	5
(10) do for 250 lbs. pressure;	each	30	30	22	10
(11) furnish and install cast steel saddle nozzles;	lbs.	4,800	3,900	3,400	2,400
(12) furnish and install cast steel companion flanges;	lbs.	5,200	5,200	15,100	3,900
(13) furnish and install miscellaneous steel work;	lbs.	2,000	2,000	18,000	1,000
(14) furnish and install 4-inch gate valves for 150 lbs. pressure;	each	3	8	.....	2
(15) do for 250 lbs. pressure;	each	12	12	10	8
(16) do 6-in. gate valves for 150 lbs. pressure;	each	30	14	.....	6
(17) do for 250 lbs. pressure;	each	2	2	4	2
(18) do 8-in. gate valves for 150 lbs. pressure;	each	6	6	.....	2
(19) do for 250 lbs. pressure;	each	6	6	4	8
(20) furnish and install 4-in. vacuum valves for 150 lbs. pressure;	each	4	8	.....	2
(21) do for 250 lbs. pressure;	each	12	12	10	8
(22) do 6-in. vacuum valves for 150 lbs. pressure;	each	26	10	.....	6
(23) do for 250 lbs. pressure;	each	2	2	4	2
(24) furnish and install air release valves for 150 lbs. pressure;	each	12	12	.....	4
(25) do for 250 lbs. pressure;	each	6	8	8	6
(26) furnish and install steel frames and covers for valves and manhole boxes;	lbs.	25,000	20,500	.....	7,500
(27) furnish and install cast iron pipe manhole covers and fittings;	lbs.	4,000	4,000	1,000	2,500
(28) furnish and install corru. metal pipe culverts;	lbs.	2,000	2,000	.....	1,000
(29) furnish and install steel bolts, nuts and washers;	lbs.	2,900	2,900	4,900	1,800
(30) furnish and install steel castings not covered by other items;	lbs.	2,000	2,000	27,500	500
(31) install fittings furnished by City to be welded or riveted to pipe;	lbs.	7,500	7,500	5,000	2,500
(32) install Venturi meter, butterfly valve and gate valves furnished by the city;	lbs.	70,000	70,000	230,000	75,000
(33) install miscel. metal work furnished by the city and not covered by other items;	lbs.	7,500	7,500	5,000	2,500
(34) earth excav. for pipe trench;	c.y.	144,000	175,000	500	75,000
(25) rock excav. for pipe trench;	c.y.	9,500	11,200	.....	3,800
(36) earth excavtion for footings and structures;	c.y.	700	700	400	300
(37) rock excavation for do;	c.y.	400	400	.....	200
(38) construct earth embankments;	c.y.	9,500	9,500	800	2,500
(39) concrete, Class A;	c.y.	750	720	20	180
(40) concrete, Class B;	c.y.	150	160	.....	30
(41) concrete, Class C;	c.y.	.....	.....	520	.....
(42) extra cement;	bbls.	100	100	50	50
(43) furnish and place reinf. steel;	lbs.	96,000	100,000	17,000	23,000
(44) furnish and place struc. steel;	lbs.	56,000	56,000	136,000	.....
(45) construct valve house;	lp. sum	.....	.....	.....	1
(46) misc. timber struc. of Douglas fir	M.B.M.	10.0	10.0	60.0	5.0
(47) do of Redwood;	M.B.M.	10.0	10.0	25.0	5.0
(48) painting miscel. structures;	sq. yds.	500	500	300	300
(49 furnishing and laying 62-in. steel cylinder reinf. conc. pipe for 400 foot head;	lin. ft.	.....	44,570	.....	23,810
(50) do for 300 ft. head;,	lin. ft.	.....	3,250	.....	1,720
(51) do for 200 ft. head;	lin. ft.	.....	9,850	.....	360
(52) tension joints in 62-in. steel cylinder reinf. concrete pipe;	each	.....	170	.....	80
(53) ¾-in. gunite encasement on steel pipe.	sq. ft.	.....	9,000	.....	10,000

	Sec. A	Sec. B	Sec. A Prop. 1 & Sec. B	Sec. C	Sec. A Prop. 1 & Sec. B, C	Sec. A Prop. 2 & Sec. B, C	Sec. A Prop. 1	Sec. B	Sec. A Prop. 1 & Sec. B	Sec. C	Sec. A Prop.1 & Secs. B, C
	(A)	(A)	(A)	(B)	(B)	(B)	(C)	(C)	(C)	(D)	(E)
(1)	$ 15.25	$ 17.60	$ 14.95	$ 15.00	$ 14.80	$ 15.00	$ 15.75	$	$ 14.80	$ 14.05	$ 18.80
(2)	16.55	23.26	16.63	16.50	17.80	18.00	17.50	18.25	17.75	15.40	21.50
(3)	.....	.....	22.96	.....	24.50	24.50	.....	22.50	22.50	.....	29.00
(4)	.136	.136	.136	.13	.12	.12	.18	.17	.174	.11	.17
(5)	.03	.....	.03	.....	.04	.....	.04	.....	.04	.....	.04
(6a)	.23	.....	.23	.....	.12	.....	.20	.....	.20	.....	.22
(6b)	.36	.....	.36	.....	.20	.....	.30	.....	.30	.....	.38
(7)	.....	810.00	803.00	.....	862.40	862.40	.....	700.00	700.00	.....	1000.00
(8)	760.00	760.00	752.00	650.00	640.00	640.00	650.00	650.00	650.00	945.00	950.00
(9)	146.30	.....	146.30	125.00	115.00	115.00	125.00	.....	125.00	118.75	160.00
(10)	183.00	190.00	181.10	160.00	149.00	149.00	150.00	150.00	145.00	149.00	200.00
(11)	.35	.36	.34	.30	.27	.27	.33	.34	.32	.28	.40
(12)	.29	.27	.27	.25	.23	.23	.20	.20	.20	.21	.33
(13)	.25	.25	.25	.20	.18	.18	.16	.16	.16	.16	.25
(14)	22.90	.....	22.90	22.50	22.50	22.50	25.00	.....	25.00	25.20	25.00
(15)	28.90	28.90	28.90	31.00	31.00	31.00	30.00	30.00	30.00	35.20	28.00
(16)	40.75	.....	40.75	33.50	33.50	33.50	36.00	.....	36.00	37.20	40.00
(17)	56.40	56.40	56.40	49.00	49.00	49.00	60.00	60.00	60.00	51.35	50.00
(18)	60.31	.....	60.35	52.40	52.40	52.40	60.00	.....	60.00	51.35	60.00
(19)	85.10	85.10	85.10	72.50	72.50	72.50	80.00	80.00	80.00	69.80	90.00
(20)	113.45	.....	113.45	125.00	125.00	125.00	125.00	.....	125.00	121.00	140.00
(21)	113.45	113.45	113.45	125.00	125.00	125.00	125.00	125.00	125.00	121.00	140.00
(22)	149.00	.....	149.00	180.00	180.00	180.00	180.00	.....	180.00	169.50	200.00
(23)	149.00	149.00	149.00	180.00	180.00	180.00	180.00	180.00	180.00	169.50	200.00
(24)	38.20	.....	38.20	40.00	40.00	40.00	43.00	.....	43.00	37.50	40.00
(25)	38.20	38.20	38.20	40.00	40.00	40.00	43.00	43.00	43.00	37.50	40.00
(26)	.13	.....	.16	.15	.15	.15	.121	.....	.121	.12	.15
(27)	.14	.14	.14	.12	.12	3.12	.121	.121	.121	.105	.10
(28)	.13	.....	.13	.09	.09	.09	.16	.....	.16	.08	.10
(29)	.17	.17	.17	.08	.08	.08	.09	.09	.09	.065	.15
(30)	.165	.165	.16	.40	.22	.22	.10	.09	.09	.35	.15
(31)	.131	.131	.131	.04	.04	.04	.012	.012	.012	.05	.10
(32)	.043	.043	.043	.035	.035	.035	.03	.03	.03	05	.02
(33)	.053	.053	.053	.05	.05	.05	.02	.02	.02	.05	.45
(34)	.76	1.00	.76	.70	.82	.70	.55	.02	.02	.05	.05
(35)	1.40	.....	1.40	.95	1.25	1.25	1.90	.....	1.90	1.50	1.50
(36)	1.90	2.00	1.90	1.50	1.50	1.50	1.77	2.27	1.77	1.50	1.00
(37)	2.90	.....	2.90	2.50	2.50	2.50	4.55	.....	4.55	2.50	5.00
(38)	.60	.70	.60	.65	.70	.70	.23	1.01	.23	.80	.35
(39)	24.00	28.00	24.00	25.00	25.00	25.00	35.00	53.00	35.00	28.50	20.00
(40)	20.00	.....	20.00	22.00	22.00	22.00	14.65	.....	14.65	25.00	15.00
(41)	.....	25.00	25.00	.....	18.00	18.00	.....	30.05	30.05	.....	15.00
(42)	2.50	3.00	2.50	2.30	2.50	2.50	2.52	2.52	2.52	2.50	4.00
(43)	.05	.05	.05	.05	.05	.05	.051	.061	.051	.0475	.04
(44)	.09	.09	.09	.....	.085	.08	.075	.07	.071	.....	.10
(45)	.....	.....	.....	3500.00	3500.00	3500.00	76.00	.....	.....	3841.60	3000.00
(46)	65.00	70.00	65.00	85.00	85.00	85.00	.....	93.00	86.00	100.00	60.00
(47)	90.00	100.00	90.00	98.00	98.00	98.00	86.00	182.00	151.50	100.00	80.00
(48)	.60	.60	.60	1.00	1.00	1.00	.40	.40	.40	.68	1.00
(49)	.....	.....	.....	21.05	21.05	20.50	.....	.....	.....	22.60	24.00
(50)	.....	.....	.....	19.95	19.95	19.50	.....	.....	.....	20.10	22.00
(51)	.....	.....	.....	18.50	18.50	18.00	.....	.....	.....	17.00	20.00
(52)	.....	.....	.....	10.00	10.00	8.00	.....	.....	.....	5.00	50.00
(53)	.....	.....	.....	.20	.20	.16	.....	.....	.....	.10	.30

SHASTA COUNTY — REDDING BRIDGE — (STATE)

SHASTA COUNTY, Cal.—J. F. Knapp, 1401 Park Ave., Oakland, at $168,847 submitted low bid to the State Highway Commission, Sacramento, for the construction of a bridge across Sacramento River at Redding, Shasta County, consisting of six 108 ft. plate girder spans and two 73 ft. 6-in. end spans on concrete piers. The work involves

(1) 2600 cu. yds. structure excav.;
(2) 914 cu. yds. Class A Port. cem. conc. footing blocks;
(3) 2260 cu. yds. Class A Port. cem. concrete structures;
(4) 188,000 lbs. bar reinf. steel;
(5) 1,349,000 lbs. struc. steel in place;
(6) 91,000 lbs. struc. steel, furnished and fabricated;
(7) 29,400 lbs. cast steel bearings;
(8) 68,000 lbs. pipe handrail in place;
(9) 4700 lbs. pipe handrail furnished at site;
(10) 1 lot lighting equipment;
(11) 1 lot miscellaneous items of work.

Total bids follow:

(A) J. F. Knapp, Oakland, $168,847.
(B) Rocca & Calletti, San Rafael, and J. P. Brennan, Redding, $169,980
(C) M. B. McGowan, San Francisco, $171,532.
(D) Lindgren & Swinerton, San Francisco, $178,621.50.
(E) Gist & Bell, Arcadia, $199,560.
(F) Ward Engineering Co., San Francisco, $202,025.10.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 6.00	$ 6.40	$ 3.00	$ 7.30	$ 15.00	$ 9.00
(2)	14.00	12.50	8.00	12.40	15.00	16.50
(3)	16.00	17.35	21.00	19.60	19.50	25.00
(4)	.045	.045	.05	.0446	.05	.046
(5)	.055	.054	.06	.0549	.055	.053
(6)	.05	.048	.04	.048	.045	.048
(7)	.15	.15	.15	.15	.15	.146
(8)	.10	.125	.10	.119	.10	.118
(9)	.08	.10	.09	.10	.09	.10
(10)	2500.00	1800.00	2000.00	1800.00	1500.00	2695.00
(11)	3000.00	2850.00	1347.00	2427.00	1500.00	800.00

BIDS OPENED

OAKLAND, Calif. — Following bids received by the Oakland City Council June 7, for the improvement of Foothill Blvd. from Lakeshore Ave. to Second Ave.

(A) J. H. Fitzmaurice, Oakland.
(B) Lee J. Immel, Berkeley.
(C) Ransome Co., Emeryville.
(D) F. A. Stead, Berkeley.
(E) W. H. Larson, Berkeley.
(F) Heafey-Moore Co., Oakland.
(G) Albany Cement Contrs., Albany.

Unit quantities follow:

(1) 1,009 cu. yds. excavation;
(2) 445 lin. ft. concrete curbs;
(3) 111 lin. ft. concrete curbs with steel guard;
(4) 1128 sq. ft. concrete gutters;
(5) 11,039 sq. ft. penetration macadam pavement;
(6) 1,547 sq. ft. sidewalk.

Unit prices were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$.47	$.60	$.465	$.60	$.50	$.25	$.36
(2)	.40	.50	.459	.60	.50	.60	.70
(3)	.60	.70	.605	.85	.70	.80	.90
(4)	.20	.25	.266	.25	.25	.25	.20
(5)	.10	.11	.117	.13	.12	.12	.10
(6)	.14	.16	.15	.15	.15	.15	.25

The Albany Cement Contractors at $2,490.89 were the only bidder submitting a total amount. All bids held under advisement.

ARIZONA-CALIFORNIA ALL-AMERICAN CANAL (Govt.

YUMA, Arizona—W. E. Callahan Construction Co., Herman Gunther, and J. P. Shirley, 708 Kirby Bldg., Dallas, Texas, bidding jointly, are the apparent low bidders on Schedule 1 to 6 inclusive, at approximately $4,860,000, for the construction of the All-American Canal earthwork excavation, for which bids were opened by the Bureau of Reclamation, Yuma, Ariz. today, June 7, at 10 A. M.

The Griffith Co., 502 Los Angeles Railway Building, Los Angeles, were low on Schedule 7 at $226,800.

SCHEDULE NO. 1—Station 245 to Station 537

(1) 1,290,000 cu. yds. excavation canal, common, Station 245 to Station 324;
(2) 4,225,000 cu. yds. excavation of canal, common, Sta. 324 to Sta. 537;
(3) 10,000 cu. yds. excavation of canal, rock;
(4) 34,000 cu. yds. excav. of Yuma Canal, common (Reconstr. Portholes);
(5) 13,000 cu. yds. excav. of Yuma Canal, rock (Reconstr. Portholes);

	(1)	(2)	(3)	(4)	(5)	TOTAL
W. E. Callahan Constr. Co., Herman Gunther and J. P. Shirley, Dallas, Texas	$.1225	$.1225	$1.25	$.25	$1.25	$ 712,837.50
George Pollock Co., Los Angeles	.24	.136	.90	.18	.90	911,020.00
Canal Constr. Co. and Morrison Co., San Francisco	.20	.15	.80	.25	.75	918,000.00
S. S. Magoffin Co., Adrian, Oreg.	.50	.115	2.00	.35	1.60	1,183,575.00
Edward Peterson & Mark C. Walker & Son Co., Omaha, Nebraska	.31	.31	.85	.31	.85	1,739,740.00

SHEEDULE NO. 2—Station 537 to Station 800

(6) 5,800,000 cu. yds. excavation of canal, common;

	(6)	TOTAL
Callahan, Gunther & Shirley, Dallas	$0.1225	$ 710,500.00
George Pollock Co., Los Angeles	.1246	722,680.00
Canal Constr. Co. and Morrison Co., San Francisco	.14	812,000.00
Peterson & Walker & Son Co., Omaha	.25	1,450,000.00

SCHEDULE NO. 3—Station 800 to Station 1089

(7) 6,100,000 cu. yds. excav of canal, common;

	(7)	TOTAL
George Pollock Co., Los Angeles	$0.1222	$ 745,420.00
Callahan, Gunther & Shirley, Dallas	.1225	747,250.00
Canal Constr. Co., and Morrison Co., San Francisco	.14	854,000.00

SCHEDULE NO. 4—Station 1089 to Station 1400

(Except Stations 1140 plus 50 to 1148 plus 50, and Stations 1161 plus 00 to 1170 plus 50)

(8) 7,150,000 cu. yds. excavation of canal, common;
(9) 5,000 cu. yds. excavation of canal, rock;

	(8)	(9)	TOTAL
S. S. Magoffn Co., Adrian, Oregon	$0.088	$2.00	$ 639,200.00
George Pollock Co., Los Angeles	.1073	.90	771,695.00
Callahan, Gunther & Shirley, Dallas	.1225	1.25	882,125.00
Foley Bros., St. Paul, Minnesota	.129	1.50	929,850.00
Canal Constr. Co. & Morrison, S. F.	.14	.80	1,005,000.00

SCHEDULE NO. 5—Station 1400 to Station 1625

(10) 7,650,000 cu. yds. excavation of canal, common;

	(10)	TOTAL
George Pollock Co., Los Angeles	$0.0892	$ 682,380.00
Foley Bros. St. Paul, Minnesota	.099	757,350.00
Canal Constr. Co. & Morrison, S. F.	.10	765,000.00
Sternberg Dredging Co., St. Louis	.11	841,500.00
Callahan, Gunther & Shirley, Dallas	.1225	937,125.00
Kettlewell & Spicer	.14125	1,080,562.50

SCHEDULE NO. 6—Station 1625 to Station 1860

(11) 7,100,000 cu. yds. excavation of canal, common;

	(11)	TOTAL
George Pollock Co., Los Angeles	$0.0968	$ 687,280.00
Canal Constr. Co. & Morrison, S. F.	.10	710,000.00
Callahan, Gunther & Shirley, Dallas	.1225	869,750.00
Sternberg Dredging Co., St. Louis	.125	887,500.00
Kettewell & Spicer	.15125	1,073,875.00
Mark C. Walker & Son, Omaha, Neb.	.162	1,150,200.00

SCHEDULE NO 7—Station 1140 plus 50 to Station 1148 plus 50, and Station 1161 plus 00 to Station 1170 plus 50.

(12) 40,000 cu. yds. excavation of canal, common;
(13) 500,000 cu. yds. excavation of canal, rock.

	(12)	(13)	TOTAL
Griffith Co., Los Angeles	$0.42	$0.42	$226,800.00
Jahn & Bressl, Los Angeles	.30	.475	249,500.00
S. H. Palmer, San Francisco	.30	.49	253,000.00
Foley Bros., St. Paul, Minnesota	.53	.53	286,200.00
White & Miller, Tucson, Arizona	.35	.565	296,500.00
Paul J. Tyler	.33	.599	312,700.00
Sharp & Fellows Contr. Co., L. A.	.40	.60	316,000.00
V. R. Dennis Constr. So., San Diego	.50	.635	337,500.00
West Constr. Co., Whitewater	.49	.68	359,600.00
George Pollock Co., Los Angeles	.70	.70	378,000.00
Canal Constr. Co. & Morrison, S. F.	.12	.75	385,000.00
Yale-Regan Co., St. Louis, Missouri	.40	.88	456,000.00
S. S. Magoffin Co., Adrian, Oregon	.80	1.45	757,000.00

The following stipulations were submitted by bidders:

The Sternberg Dredging Co. will undertake only one schedule.

Callahan, Gunther & Shirley will accept Schedules 1, 2, 3 ,4 5, & 6, items 1 to 11, inclusive, all or none.

Kettlewell & Spicer, in event they are low on Schedules 5 and 6, defer choice of one Schedule 650 days by deducting ½ cent per cu. yd. and the Bureau has the option to choose section deferred.

BIDS OPENED

YOLO COUNTY, Cal.—Garcia Constr. Co., P. O. Box 65, Irvington, Calif., at $10,325, submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, Dist. Engineer, Marysville Hotel, Marysville, for 3.9 miles surfacing with pitrun gravel base in Yolo County, between a point 2.3 miles east of Woodland and a point 0.8 mile west of Elkhorn Ferry, involving:

(1) 14,500 cu. yds. pitrun gravel base;
(2) 300 M. gals. water.

Complete bids follow

Garcia Constr. Co., Irvington, (1) $.65; (2) $3.00; total, $10,325.

Poulos & McEwen, Sacramento, (1) $.78; (2) $2.00; total, $11,910.

Geo. G. Fratis, Oakland, (1) $.96; (2) $1.00; total $14,220.

Hemstreet & Bell, Marysville, (1) $.96; (2) $1.50; total, $14,370.

L. G. Kipp, Sacramento, (1) $.98; (2) .$90; total, $14,480.

J. R. Reeves, Sacramento, (1) $.985; (2) $1.00; total, $14,582.50.

Sunset Decomposed Granite Co., Hollywood, (1) $1.00; (2) $1.35; total, $14,905.

Teislau Bros., Berkeley, (1) $1.00; (2) $1.40; total, $14,920.

Peninsula Paving Co., San Francisco, (1) $1.15; (2) $1.00; total, $16,975.

A. J. Raisch, San Francisco, (1) $1.21; (2) $1.40; total, $17,965.

A. Teichert & Son, Sacramento, (1) $1.24; (2) $1.65; total, $18,475.

29—STREETS AND HIGHWAYS

(Continued from Page 24)

PLANNED

ATHERTON, Cal. — The Atherton City Council plans to improve Santiago Avenue, between Park Lane and Valparaiso Ave., a distance of 1400 lin. ft. on each side, by constructing a 16-ft. pavement. The street is ungraded at present.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until June 25, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of sidewalks and driveway at Hamilton Field. Quantities follow

(1) 1780 cu. yds. excavation;
(2) 1700 cu. yds. 6-in. concrete pavement with 6x6-in. mesh;
(3) 2650 sq. yds. asphalt concrete surface;
(4) 450 cu. yds. 6-in. crusher run base
(5) 3850 lin. ft. 2 x 8 ft. Oregon Pine header board;
(6) 4750 sq. yds. 4-ft. concrete sidewalk;
(7) 720 sq. yds. 2-ft. concrete sidewalk;
(8) 1650 lin. ft. concrete stair, riser and tread.

Plans and specifications may be obtained from above office upon deposit of $5.00.

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until July 5, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone about 1.5 miles bet. the south city limits and Wabash Ave. in Eureka, involving the following:

(1) 5,100 cu. yds. rdwy. excav. without classification;
(2) 12,650 sta. yds. overhaul;
(3) 9,700 cu. yds. imported borrow;
(4) 1,400 cu. yds. struc. excav.;
(5) 960 tons untreated crushed gravel or stone surfacing;
(6) 2,660 tons sand oil treated surf.;
(7) 6,410 tons crush. gravel or stone bit. treated surfacing;
(8) 290 tons grade E asphalt;

(9) 18,120 sq. yds. asph. paint binder
(10) 135 tons asph. road oil;
(11) 65 bbls. light fuel oil detours;
(12) 55 cu. yds. Class A Port. cement conc. structures;
(13) 1,300 lbs. bar reinf. steel struc.;
(14) 120 lin. ft. 8-in. CMP;
(15) 50 lin. ft. 12-in. CMP;
(16) 400 lin. ft. 18-in. CMP;
(17) 36 lin. ft. 21-in. CMP;
(18) 324 lin. ft. part circle CMP;
(19) 2,200 lin. ft. 8-in. perf. metal pipe underdrains;
(20) 700 cu. yds. trench backfill underdrains;
(21) 6 each spillway assemblies;
(22) 350 lin. ft. salvage existing conc. culvert pipe;
(23) 320 lin. ft. replace salvaged conc. culvert pipe;
(24) 4 each cast steel frames and covers for drop inlets;
(25) 225 M. gals. water;
(26) 11 each existing monument casings and covers to be removed and reset;
(27) 11 each new monuments and casings & covers complete in place;
(28) 77 stations finishing rdwy.

Plans and specifications obtainable at above office and are on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

BIDS WANTED

SAN MATEO COUNTY, Cal.—Until July 5, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading about 1.1 ml. between four miles east of Half Moon Bay and Summit in San Mateo County, involving

(1) 55 stations clearing and grubbing right-of-way;
(2) 195,700 cu. yds. rdwy. excav. without class.;
(3) 2560 cu. yds. structure excav.;
(4) 740,000 sta. yds. overhaul;
(5) 2100 M. gals. water;
(6) 18 cu. yds. Class "A" Portland cement conc. struc.;
(7) 905 lbs. bar reinf. steel strucs.;
(8) 9 each spillway assemblies;
(9) 522 lin. ft. 8-in. CMP;
(10) 1120 lin. ft. 18-in. CMP;
(11) 560 lin. ft. 24-in. CMP;
(12) 220 lin. ft. 60-in. CMP bituminous treated;
(13) 2910 lin. ft. 8-in. perforated metal pipe;
(14) 60 cu. yds. rubble masonry wall;
(15) 4800 cu. yds. rock backfill and toe walls;
(16) 0.5 mile new property fence;
(17) 3 each fence gates complete in place;
(18) 32 each monuments complete in place;

Plans and specifications obtainable from above office, and on file at the office of the District Engineers at Los Angeles and San Francisco and at the district in which the work is situated.

BIDS WANTED

SAN FRANCISCO COUNTY—Until July 5, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 0.7 miles along Harrison street, between 5th and 10th Streets in San Francisco, involving the following:

(1) 10,120 tons crusher run base;
(2) 14,000 sq. yds. asph. paint binder;
(3) 4780 tons asphalt concrete;
(4) 1000 cu. yds. Class "A" Portland cement concrete pavement;
(5) 350 cu. yds. Class "A" Portland cement concrete sidewalks;
(6) 180 cu. yds. Class "B" Portland cement concrete curb backing;
(7) 560 cu. yds. removing existing sidewalks;
(8) 6170 lin. ft. remove and reset stone curbs;
(9) 2000 sq. ft. redressing stone curbs

George Pollock Co. will take no single Schedule, and will accept only the following combinations: 1 and 7; 2 and 7; 3 and 7; 4 and 7; 5 and 7; 6 and 7 or 5, 6, and 7. If low on more than one Schedule, reserves the right to elect.

Foley Bros. reserve the right to accept or decline one or two Schedules unless awarded all three.

S. S. Magnoffin, if in line for award on Schedule 1, disregard tender on 7 and 4 combined, or will accept 4 and 7 combined, but not 4 or 7 alone.

Edward Peterson and Mark C. Walker & Son will accept only one schedule.

Canal Construction Co. and Morrison Co. will accept all or none.

Mark C. Walker & Son Co., if low on Schedules 1 and 2 in combination with Edward Peterson, do not want Schedules 5 or 6, and will accept only one of Schedules 5 or 6 if not low on Schedules 1 or 2 in other combination

SAN FRANCISCO — Visitacion Valley Sewer — (City)

SAN FRANCISCO.—MacDonald and Kahn Company, Ltd., Financial Center Bldg., at $25,515.15 submitted low bid to Department of Public Works, Room 251 City Hall, for the construction of a sewer and appurtenances in Visitacion Valley from Schwerin St. to Sunnydale Ave. and Talbert St.

The work involves:

(1) 694 lin. ft. 3 ft. 6 in. x 5 ft. 3 in. reinf. conc. sewer;
(2) 1,273 lin. ft. 3 ft. 4 ft. 6 in. do;
(3) 1 reinf. concrete taper structure;
(4) 1 reinf. conc. junction structure;
(5) 1 timber intake structure;
(6) 7 brick or concrete manholes on reinf. conc. sewer;
(7) 60 lin. ft. 10-in. VCP culvert in place;
(8) 1 storm water inlet with back water valve.

Total bids follow:

(A) MacDonald & Kahn, $25,515.15.
(B) H. C. Vensano, $27,172.60.
(C) Eaton & Smith, $28,528.90.
(D) E. J. Treacy, $29,743.00.
(E) M. J. Lynch, $30,975.00.
(F) C. C. W. and H. H. Haun, $32,-618.00.
(G) Robert McNair, Oakland, $33,-224.00.
(H) J. S. Heilman, $43,249.75.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 13.50	$ 22.25	$ 14.70	$ 16.00	$ 17.00	$ 17.00	$ 17.50	$ 13.75
(2)	11.15	20.25	13.40	13.00	14.00	15.00	15.00	12.70
(3)	200.00	275.00	187.00	300.00	175.00	180.00	175.00	143.00
(4)	650.00	700.00	250.00	750.00	400.00	575.00	600.00	650.00
(5)	330.00	250.00	250.00	200.00	200.00	300.00	250.00	100.00
(6)	53.00	75.00	62.50	80.00	60.00	50.00	72.00	50.00
(7)	6.50	3.00	.94	3.00	1.00	3.50	3.00	2.00
(8)	150.00	100.00	88.00	100.00	100.00	110.00	275.00	100.00

All bids referred to the City Engineer and to the PWA engineers.

MONTEREY CO. — 3.3 Mi. Grade and Surface — (State)

MONTEREY COUNTY, Cal.—Peninsula Paving Co., 715 Standard Oil Building, San Francisco, at $108,515.30 submitted low bid to the State Highway Commission, Sacramento, for about 3.3 miles to be graded and portions to be surfaced with selected material in Monterey County, between Mustang Ridge and Priest Valley. The work involves:

(1) 20 acres clear and grub R/W;
(2) 322,900 cu. yds. rdwy. excavation, unclass;
(3) 831,000 sta. yds. overhaul;
(4) 1975 cu. yds. struc. excavation;
(5) 5500 cu. yds. selected material;
(6) 10,200 mi. yds. haul on do;
(7) 38 cu. yds. Class A Port. cem. conc. structures;
(8) 1150 lbs. bar reinf. steel strucs.;
(9) 204 lin. ft. 8-in CMP;
(10) 1742 lin. ft. 18-in. CMP;
(11) 832 lin. ft. 24-in. CMP;
(12) 254 lin. ft. 36-in. SMP;
(13) 184 lin. ft. 48-in. CMP., 8-gauge
(14) 240 lin. ft. 60-in. CMP;
(15) 7 each spillway assemblies;
(16) 263 each timber guide posts;
(17) 6.7 miles new property fence;
(18) 18 each fence gates;
(19) 175 stations finishing rdwy;
(20) 67 mounments complete in place

Total bids follow:

(A) Peninsula Paving Co., San Francisco, $108,515.30.
(B) Granfield, Farrar & Carlin, San Francisco, $121,763.70.
(C) Union Paving Co., San Francisco, $124,990.75.
(D) Mitty Bros., Los Angeles, $135,-500.20.
(E) Sharp & Fellows, Los Angeles, $137,229.80.
(F) Young & Sons Co., Ltd., Berkeley, $138,575.50.
(G) Dimmitt & Taylor, Los Angeles, $149,713.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$150.00	$150.00	$200.00	$100.00	$200.00	$125.00	$125.00
(2)	.215	.28	.28	.32	.32	.32	.355
(3)	.012	.005	.005	.005	.007	.00625	.005
(4)	1.50	.70	1.25	1.50	1.00	1.25	1.50
(5)	.40	.28	.50	.70	.32	.75	.45
(6)	.15	.15	.10	.15	.12	.15	.12
(7)	30.00	30.00	25.00	25.00	35.00	30.00	40.00
(8)	.065	.06	.06	.06	.06	.06	.07
(9)	1.00	.95	1.00	1.25	.90	.85	1.00
(10)	1.55	1.70	2.00	1.70	1.65	1.75	1.75
(11)	2.55	2.60	3.00	2.45	2.50	2.60	2.60
(12)	4.90	4.85	6.00	4.60	4.80	4.75	5.30
(13)	10.00	9.60	10.00	9.00	8.80	9.25	10.60
(14)	13.00	12.00	12.00	13.00	12.50	12.35	13.50
(15)	16.00	20.00	15.00	15.00	15.00	15.00	15.00
(16)	1.75	2.50	3.00	1.50	1.50	1.80	2.00
(17)	500.00	600.00	400.00	360.00	450.00	550.00	650.00
(18)	25.50	15.00	16.00	20.00	20.00	18.00	15.00
(19)	6.00	4.00	5.00	6.00	5.00	6.00	5.00
(20)	3.00	8.00	3.00	15.00	3.00	3.00	3.50

(10) 200 lin. ft. furnish and place new stone curbs tangent;
(11) 720 lin. ft. furnish and place new stone curbs, circular;
(12) 90 each remove and reset side sewer traps;
(13) 45 each remove and reconstr. brick catchbasins;
(14) 8 each new brick catchbasins;
(15) 22 each remove and reset manhole frames and covers;
(16) 1 only new brick manhole;
(17) 9 each new brick manholes on piles;
(18) 1575 lin. ft. 6-in. vit. clay pipe side sewer;
(19) 65 lin. ft. 12-in. vit. clay pipe sewer;
(20) 527 lin. ft. 12-in. vit. clay pipe sewer encased in concrete;
(21) 235 lin. ft. 18-in. vitrified clay pipe sewer encased in concrete;
(22) 247 lin. ft. 21-in. vit. clay pipe sewer encased in concrete;
(23) 172 lin. ft. reinf. conc. sewer on piles;
(24) 18 each 12-in. by 6-in. wye branches in place;
(25) 12 each 18-inch by 6-inch wye branches in place;
(26) 9 each 21-in. by 6-in. wye branches in place;
(27) 13,440 lin. ft. furnish untreated Douglas fir piles;
(28) 168 each driving Douglas fir piles
(29) 300 each cross walk markers;
(30) 840 tons crusher run base car track area;
(31) 1310 tons asphalt conc. car track area;
(32) 4000 sq. yds. asph. paint binder car track area;

NOTE—Items 30, 31 and 32 represent the quantities involved in paving the area now occupied by the tracks of the Market Street Railway Company and are quantities in addition to those listed under items 1, 2 and 3.

The work proposed to be done under items 30, 31 and 32 may be omitted prior to the award of the contract should the Department of Public Works so elect.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

*

BIDS WANTED

SAN FRANCISCO COUNTY—Until July 5, 2 P. M., bids will be received by the State Highway Commissioi, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.4 miles along Potrero Ave., between Division Street and Army Street, in San Francisco, involving the following

(1) 4000 cu. yds. excav. without class;
(2) 67,000 sq. yds. remove exist. asph. surface;
(3) 2600 cu. yqds. remove exist. Port. cement concrete;
(4) 2300 tons crusher run base;
(5) 67,000 sq. yds. asph. paint binder
(6) 14,000 tons asphalt concrete;
(7) 4900 cu. yds. Class "A" Portland cement concrete pavement and railway ballast;
(8) 400 cu. yds. Class "A" Portland cement concr. sidewalks;
(9) 100 cu. yds. Class "B" Portland cement concrete curb;
(10) 13,260 lin. ft. remove and reset stone curbs;
(11) 500 sq. ft. redressing stone curbs;
(12) 200 lin. ft. furnish and place new stone curbs tangent;
(13) 200 lin. ft. furnish and place new stone curbs circular;
(14) 300 lin. ft. 10-in. vitrified clay pipe sewer;
(15) 250 each move and rest side sewer traps;
(16) 36 each moving and resetting brick catchbasins;
(17) 29 each removing and resetting manhole frame and covers;

DOUGLAS CO., Oregon—Umpqua River Bridge—(State)

DOUGLAS COUNTY, Oregon.—Teufel & Carlson, Skinner Bldg., Seattle, at $551,234, as previously reported, submitted low bid to the Oregon State Highway Commission, Portland, June 7, for the construction of a steel and reinforced concrete bridge, 2,213 feet in length, consisting of 1,072 l. f. of concrete viaduct, two 154 feet tied concrete arch spans, one 430 feet steel swing span, two 154 feet tied arch spans, and 86 l. f. of concrete viaduct, over the Umpqua River at Reedsport, Douglas County, Oregon. The work involves:

(1) 3500 c. y. excavation;
(2) 300 c. y. excavation below elevation shown;
(3) 23,000 l. f. foundation piling;
(4) 18,000 l. f. P. O. cedar fender piling;
(5) 1,200 l. f. seal concrete;
(6) 1,600 c. y. Class B concrete in footings;
(7) 3,400 c. y. Class A concrete columns, etc.;
(8) 1,600 c. y. Class A concrete arch spans;
(9) 285 c. y. Class D concrete steel spans;
(10) 1,815 c. y. Class D concrete span;
(11) 1,300,000 lbs. metal reinforcement;
(12) 1,060,000 lbs. copper brg. structural carbon steel;
(13) 420,000 lbs. do. silicon steel;
(14) 105,000 lbs. machinery;
(15) 30,000 lbs. cast chromium steel;
(16) 90 MFBM Port Orford cedar lumber;
(17) Lump sum, Electric and misc. equipment;
(18) 3,600 l. f. concrete handrail.

Total bids follow:

(A) Teufel & Carlson, Seattle, $551,234.

(B) Sheble Construction Co., Seattle, $581,650.

(C) Mercer-Fraser Co., Eureka, $586,425.

(D) General Construction Co. and Gilpin Construction Co., Portland, $587,000.

(E) Joplin & Eldon, Portland, $588,-650.

(F) Puget Construction Co., Seattle, $615,350.

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 122.00	$ 17.00	$ 20.00	$ 25.00	$ 20.00	$ 12.00
(2)	12.00	17.00	2.00	5.00	30.00	12.00
(3)	.575	.60	.57	.50	.50	.60
(4)	.53	.50	.57	.50	.70	.60
(5)	10.00	20.00	26.00	22.00	14.00	20.00
(6)	14.00	20.00	20.00	22.00	16.00	20.00
(7)	25.00	25.00	30.00	22.00	27.50	34.00
(8)	28.00	30.00	38.00	35.00	33.75	35.00
(9)	24.00	25.00	25.00	22.00	20.00	30.00
(10)	25.00	25.00	21.00	22.00	20.00	30.00
(11)	.055	.05	.04	.045	.0475	.05
(12)	.073	.065	.066	.0665	.07	.075
(13)	.088	.08	.074	.073	.08	.08
(14)	.27	.25	.215	.25	.30	.23
(15)	.34	.40	.28	.35	.45	.32
(16)	70.00	100.00	60.00	65.00	80.00	70.00
(17)	21,264.00	20,000.00	17,400.00	18,650.00	17,500.00	22,000.00
(18)	4.00	5.00	4.00	5.00	4.00	4.00

LANE CO., Oregon—Siuslaw River Bridge—(State)

LANE COUNTY, Oregon—Teufel & Carlson, Skinner Bldg., Seattle, at $471,871.50, as previously reported, submitted low bid to the Oregan State Highway Commission, Portland, for the construction of a bridge approximately 1649 feet long, with a 27 foot roadway and two pedestrian walkways, consisting of 478 lin. ft. concrete viaduct, one 154 ft. tied arch span, one 140 ft. double leaf bascule span, one 154 ft. tied arch span, and 650 lin. ft. of concrete viaduct, over Siuslaw River at Florence, Lane County, Oregon.

(A) Teufel & Carlson, Seattle $471,871.00
(B) Mercer-Fraser Co., Eureka 491,646.06
(C) Lindstrom & Feigenson, Parker & Banfield, and T. H. Banfield, Portland 498,480.00
(D) Sheble Construction Co., Seattle 512,300.00

	(A)	(B)	(C)	(D)
(1) 380 c. y. excavation	$ 11.35	$ 17.00	$ 14.50	$ 20.00
(2) 300 c. y. excav. below elev. shown	11.35	2.00	14.50	20.00
(3) 34,500 l. f. foundation piling	.665	.62	.70	.60
(4) 6,300 l. f. P. O. Cedar fender piling	.57	.62	.70	.50
(5) 1,500 c. y. seal concrete	12.35	25.00	15.00	22.00
(6) 1,600 c. y. Class B. concrete piers, footings	15.65	21.00	16.00	22.00
(7) 4,500 c. y. Class A concrete columns, beams	28.50	28.00	31.00	25.00
(8) 800 c. y. Class A concrete in arch spans	28.80	38.00	38.00	30.00
(9) 1,400 c. y. Class D concrete	26.85	25.00	21.00	25.00
(10) 1,050,000 lbs metal reinforcement	.055	.042	.05	.05
(11) 600,000 lbs. copper bearing structural steel	.079	.066	.078	.08
(12) 52 MFBM Port Orford cedar lumber	94.00	90.00	100.00	100.00
(13) 85,000 lbs. machinery	.27	.21	.26	.25
(14) 17,000 lbs. cast chromium steel	.36	.26	.32	.40
(15) Lump sum, Electrical equipment	16,200.00	14,000.00	15,180.00	15,000.00
(16) Lump sum, Barriers & misc. equipment	2,500.00	2,000.00	2,350.00	3,000.00
(17) 3,000 l. f. concrete handrail	4.00	4.00	4.50	5.00

(18) 50 each moving and resetting stop and street signs;
(19) 100 each center line traffic markers;
(20) 1000 each furnish cross walk markers;
(21) 1000 cu. yds. sub-ballast crushed concrete or basalt blocks;
(22) 1000 cu. yds. sub-ballast new crushed rock;
(23) 1900 cu. yds. top ballast new crushed rock;
(24) 100 cu. yds. clean bank sand;
(25) 5000 each removing and disposing of railway ties;
(26) 9 each reconst. manholes on duct lines;
(27) 42 each placing tubular steel trolley poles;
(28) 42 each concrete trolley pole foundations;
(29) 24 each remove and dispose of concrete poles;
(30) 18 each remove and dispose of steel poles;
(31) 31 each remove and reset concrete poles;
(32) 2 each raising concrete poles;
(33) 56 each remove and reset steel poles;
(34) 100 each changing span wires;
(35) 6 each changing feed wires;
(36) 5 each feeder risers.

Plans and specifications obtainable from above office and on file at the office of the District Engineers at Los Angeles and San Francisco, and at the district in which the work is situated.

HIGHWAY GRADING—SAN DIEGO COUNTY—(STATE)

SAN DIEGO COUNTY, Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, at $105,296.80, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, June 6, for grading 5.6 miles of highway in San Diego County between Escondido and Lake Hodges Dam.

Total bids follow:

(A) R. E. Campbell, Los Angeles, $105,296.80.
(B) Bodenhamer Const. Co., Oakland, $110,370.25.
(C) Daley Corp., San Diego, $113,532.50.
(D) Dimmitt & Taylor, Los Angeles, $121,249.80.
(E) Sharp & Fellows Contr. Co., Los Angeles, $128,195.20.
(F) Sander Pearson, Santa Monica, & Mundo Engr. Co., Los Angeles, $148,094.70.
(G) V. R. Dennis Contr. Co., San Diego, $219,436.00.

Unit quantities were:

(1) 164 stations clear and grub R/W;
(2) 202,000 cu. yds. rdwy. excav., unclass.;
(3) 353,000 sta. yds. overhaul;
(4) 2450 cu. yds. struc. excav.;
(5) 6 cu. yds. Class A Portland cem. concrete structures;
(6) 600 lbs. bar reinf. steel strucs.;
(7) 80 cu. yds. rubble masonry;
(8) 2560 lin. ft. 18-in. CMP;
(9) 1044 lin. ft. 24-in. CMP;
(10) 362 lin. ft. 30-in. CMP;
(11) 260 lin. ft. 36-in. CMP;
(12) 216 lin. ft. 48-in CMP;
(13) 144 lin. ft. CMP, clean and relay;
(14) 2500 M gals. water;
(15) 1550 bbls. heavy fuel oil;
(16) 293 stations preparing, mixing and shaping roadbed, oil treatment;
(17) 293 stations finishing roadway.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$40.00	$10.00	$12.00	$42.00	$35.00	$22.00	$15.00
(2)	.345	.41	.41	.425	.47	.55	.90
(3)	.005	.005	006	.005	.01	.01	.01
(4)	1.30	1.00	1.40	1.50	1.00	1.50	1.50
(5)	30.00	25.00	30.00	25.00	30.00	25.00	25.00
(6)	.06	.05	.15	.07	.05	.10	.15
(7)	9.00	14.00	12.00	12.00	15.00	12.00	15.00
(8)	1.80	2.00	2.00	1.55	1.50	2.80	2.50
(9)	2.70	2.75	2.75	2.50	2.30	3.35	3.00
(10)	3.50	3.50	3.50	3.50	3.00	4.10	4.00
(11)	5.00	5.00	5.50	6.00	4.50	5.85	7.00
(12)	9.00	8.00	10.00	9.00	8.50	9.60	9.00
(13)	2.00	1.00	1.00	.70	.50	.75	2.00
(14)	1.50	1.00	1.25	1.50	1.20	1.00	1.25
(15)	1.80	2.25	1.60	1.50	1.50	1.65	2.00
(16)	10.00	1.75	5.00	10.00	10.00	10.00	8.00
(17)	5.00	5.00	6.50	5.00	5.00	4.00	10.00

SAN FRANCISCO — SIXTEENTH ST. SEWER — (CITY)

SAN FRANCISCO—C. C. W. and H. H. Haun, 666 Mission St., San Francisco, at $49,215.50 submitted low bid to the Department of Public Works, Room 251, City Hall, for the construction of a sewer and appurtenances in Sixteenth St., from Shotwell to Harrison St. The work involves:

(1) 1,050 lin. ft. 5-ft. circular reinf. concrete sewer;
(2) 11,830 lin. ft. piles below cut-off;
(3) 1 taper structure of reinf. concrete sewer;
(4) 7 manholes on reinf. conc. sewer;
(5) 1,050 lin. ft. 10-in. VCP underdrain, covered with concrete or embedded with broken riprap;
(6) 12,500 sq. ft. 2-in. asph. concrete wearing surface;
(7) 200 tons binder course.

Total bids follow:

(A) C. C. W. and H. H. Haun, San Francisco, $49,215.50.
(B) MacDonald & Kahn, San Francisco, $51,020.90.
(C) Healy-Tibbitts, San Francisco, $53,148.
(D) Eaton & Smith, San Francisco, $51,355.50.
(E) Union Paving Co., San Francisco, $53,828.
(F) E. J. Treacy, San Francisco, $54,247.95.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 39.00	$ 37.50	$ 38.50	$ 41.70	$ 41.00	$ 41.00
(2)	.35	.75	.60	.35	.55	.615
(3)	300.00	280.00	600.00	450.00	375.00	350.00
(4)	50.00	80.00	100.00	65.00	52.00	80.00
(5)	1.00	.10	1.50	.75	1.60	1.50
(6)	.09	.11	.10	.059	.065	.055
(7)	6.50	4.50	7.50	5.00	5.20	3.75

All bids referred to the City Engineer and to the State PWA engineers.

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IN THIS ISSUE

Silas Mason Syndicate Low on Grand Coulee

$234,000,000 for U.S. Highways

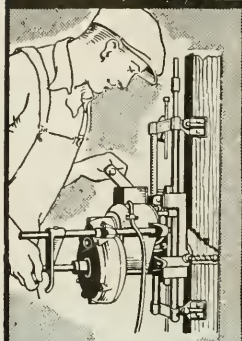
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

JUNE 23, 1934

Vol. XVII—No. 25

WAPPAT Electric TOOLS



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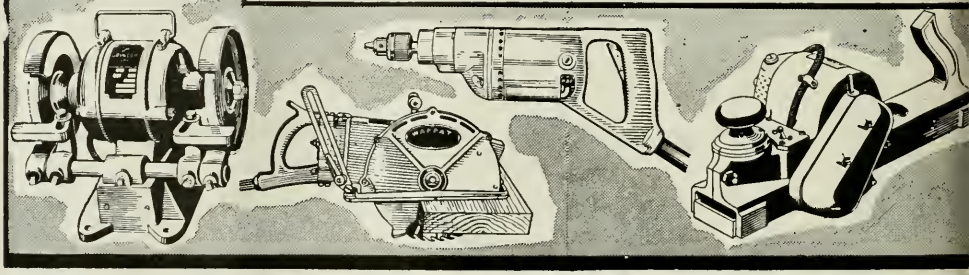

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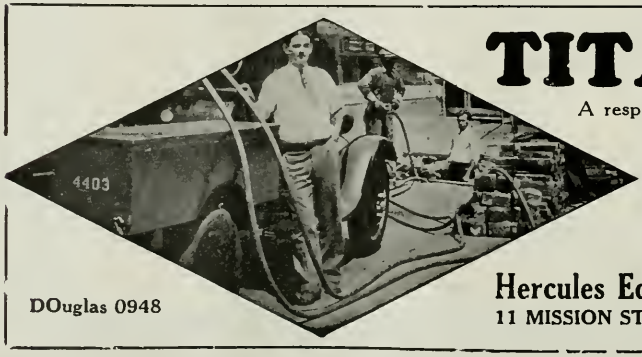

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ol. XVII SAN FRANCISCO, CALIF., JUNE 23, 1934 No. 25

ow Bid of $29,339,301 For Grand Coulee Dam Construction

SPOKANE, Wash., June 18—A syndicate of four contracting firms headed by Silas Mason Company, 500 Fifth Ave., New York City, today submitted the lowes' of two bids received for construction of the Grand Coulee dam and power plant. The bids were:

Silas Mason Co., Inc., New York; Guy F. Atkinson, San Francisco; W. E. Kier, San Diego; Walsh Construction Co., Davenport, Iowa, bidding as Silas Mason Company, ——— $29,339,301.50

Six Companies of Washington, Inc., composed of Utah construction Co., San Francisco; Warren Brothers Company, Cambridge, Mass.; J. F. Shea Co., Inc., Boulder City Nev., and Portland, Ore.; Henry J. Kaiser Co.,Oakland; General Construction Co., Seattle; Morrison-Knudsen Co., Boise, Idaho —— $34,555,582

The low bidders were consistly below the estimates of the npeting syndicate through the ire schedule of eighty-five items cepting only the last four which re prices set by the contractor delivering to the government construction plant, buildings, nsmission line, etc. Six Comnies placed a normal figure of)0 on each item.

The Silas Mason bid on divern of the river was low by $1,-),000. On placing concrete in dam the low bid was $1,000,000 ler that of Six Companies for estimated quantity of 3,100,000 bic yards. Another $1,000,000 ference in the two bids was in common excavation item of 000,000 cubic yards for foundans of dam and power houses. jor differences occurred also in items for 800,000 yards of rock cavation and installing 8,710,000 unds of penstocks.

S. A. Mason, E. J. Walsh, Guy kinson and W. E. Kier appeared the bond security as officials of as Mason Company

Officers and signatories to the curity of Six Companies of ashington, Inc., are L. S. Corey, esident; K. K. Bechtel, secre-y; Felix Kahn, S. D. Bechtel, arles R Gow, Charles A. Shea, enry J. Kaiser, J. A. McEachern, W. Morrison.

Sunset Reservoir Supply Line Bids To Close July 6

Bids will be opened July 6 by the San Francisco Public Utilities Commission for construction of the Sunset Reservoir supply pipe line. The contract is one financed by PWA funds.

It involves furnishing and laying 8,900 feet of 54-inch pipe. Bids are invited under alternate specifications for asphalt dipped steel pipe, tor steel pipe with spun lining and for reinforced concrete pipe.

The contract will include 19,100 pounds of fittings and valves and 39,185 square feet of repavement.

The line is to start near the intersection of Junipero Serra boulevard and Sloat boulevard and run westerly along Sloat to the intersection of Twenty-second avenue, thence parallel to the southerly boundary of Sigmund Stern Recreation Grove to a point near the west boundary, thence across the grove to Wawona street opposite Twenty-fifth avenue, thence along Twenty-fifth Ave., Santiago street and Twenty-eighth avenue to a terminus at Quintara street.

234 MILLION APPROPRIATED FOR HIGHWAYS

Three-Year Program Determined By Congress; $7,800,000 To California

Federal highway appropriations authorized by Congress and approved by the President will make available $234,000,000 for expenditure on construction in the fiscal year ending June 30, 1935. Money will be alloted to states in the same proportion as the NIRA appropriation of 1933, to a total of $200,000,000, giving each state one-half of the sum received in 1933. California will receive $7,800,000.

Of the remainder, $24,000,000 is appropriated to use in the public works program of the Bureau of Public Roads for improvement of roads and trails in national forests, national parks, across unappropriated public lands and in Indian reservations.

The bill appropriates $10,000,000 for repair of highways damaged or destroyed by floods, earthquakes or other catastrophes.

In the same bill is authorization for federal aid of $125,000,000 tor each of the fiscal years ending June 30, 1936, and June 30, 1937. This will provide $4,825,000 in each year for California.

Federal aid to states, however, is to be denied up to one-third of the state's share if motor revenues are diverted from road purposes. In each of the succeeding fiscal years $24,000,000 also is to be appropriated for the Bureau of Public Roads. Of this amount it is specified $10,000,000 shall be used for forest roads and trails; $7,500,000 for park roads and trails; $2,500,000 for roads across public lands; and $4,000,000 for roads in Indian reservations.

COULEE SEWER CONTRACT BIDS TO OPEN JULY 2

Reclamation Service Takes Figures at Spokane For Camp Mains

Bids are to be opened by the Reclamation Service at Spokane, July 2 for construction of sewers and water system at the government camp at Grand Coulee dam site which will be located about 25 miles northwest of Almira.

A complete list of bid items has been published in the Advance Report section of Daily Pacific Builder.

The principal material and work quantities are:

11,550 cubic yards of all classes of excavation for structures; 310 cubic yards of concrete; 18,770 linear feet of excavation and back fill of pipe trenches; placing 14,000 pounds of reinforcement bars and fabric; laying 20,410 linear feet of 3- to 8-inch cast iron water pipe, fittings, valves and specials; laying 10,750 linear feet of 4- to 10-inch sewer pipe, fittings and specials; laying 130 linear feet of 8-inch slip-joint metal pipe; installing 20 fire hydrants; installing 200 corporation cocks; installing 18,000 linear feet of ¾- and 1-inch copper service pipe; constructing 55 sewer manholes; and constructing utility and domestic water reservoirs, valve chamber, and chlorination house.

The invitation for bids does not cover the purchase of materials which are to be furnished by the government. Materials to be furnished by the contractor and those furnished by the government are described in the specifications which will be a part of the contract.

Plans are available to prospective bidders without charge. Bids must list all subcontractors.

NO BIDDERS ON AIRPORT WORK

The contract for filling and grading and extension to the landing field at the San Francisco municipal airport for which bids were to have been opened yesterday failed to attract any proposals. Objection to the terms of the proposal by dredging companies who might have been interested in the job was said to be the reason for failure to obtain an offer. At the Public Utilities Commission office it was said the work probably would be readvertised within a week, with probable modification of the specifications. The work is to be done under a PWA allotment of $260,000.

STATE CALLS BIDS JULY 11-12 ON BRIDGES

Painting of San Bernardino Overhead Structure To Be Let

SACRAMENTO, June 19.—Bids for construction of three bridges were invited today by the State Highway Commission, the proposals to be received on July 11 and 12.

The timber bridges are to be constructed in Kings county under one contract. They are to be located 23 and 25 miles south of Fresno. Bids will be opened in Sacramento July 11.

A reinforced concrete bridge is to be constructed across San Gabriel River in Los Angeles county. Bids to be opened in Los Angeles, July 12. On the same date the commission will open bids there for painting the new steel and concrete overhead crossing of the A. T. & S. F. railroad tracks at San Bernardino, just completed under contract by J. F. Knapp.

PWA INCREASES AID TO OREGON ON FIVE SPAN

Increased Cost Requires Add tional Allocation of $499,00 For Coast Bridges

An additional loan and grant $499,000 has been authorized the Public Works Administrati to the state of Oregon for co pletion of the five coast highw bridges, enabling contractors start work shortly.

The extra appropriation was d to rising costs which brought t contract prices above estimat based on preliminary surveys, E. McCullough, bridge engine stated.

The total cost of the spans now placed at $5,598,755 by M McCullough, compared with $ 686,832 estimated in Decembe 1933.

Prices of steel, lumber, pilin excavation and concrete work have advanced since the origin estimates were submitted to t Public Works Administration.

The original PWA allocation w $5,102,000. Of this sum 30 perce was a grant and 70 percent a loa The loan is to be repaid over a p riod of thirty years with intere at 4 percent.

Final award of contracts on t five bridges is awaiting completio of the new PWA agreements. Lo bids were received as follows:

Alsea Bay

Lindstrom and Feigenson and Pa ker and Banfield and T. H. Banfiel Portland, $685,040.00.

Yaquina Bay

General Construction Co., Seatt and Gilpin Construction Co., Portlan $1,357,587.

Coos Bay

Northwest Roads Co. Portland Uni A, C and D) $1,529,438.

Virginia Bridge and Iron Co., Ro noke, Va. (Unit B), $593,880.

Umpqua River

Teufel and Carlson, Seattle, $551 234.00.

Sheble Construction Co., Seatt (second) $581,650.00.

Siuslaw River

Teufel and Carlson, Seattle, $471 871.00.

Mercer-Fraser Co., Eureka (secon $491,646.00.

A stiplation by Teufel & Carls that they would accept award on on either Umpqua or Siuslaw spa probably will result in award of o contract to the second low bidder.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

IRA RULES ON LABOR PACTS UNDER CODES

Istructions For Collective Bargaining Under Article III Issued

Under date of May 25 NRA has iued instructions for effectuating ntual or area agreements arrived a through collective bargaining, uler Article III, Section 1 of Cpter I of the Construction Code. Te instructions quote from a nmorandum of April 24 from Maj George L. Berry, Divisional Adnistrator, as follows:

1) Responsibility rests upon the eployer and employee organizatns to conduct all initial work ading up to such agreements.

2) When such collective barghing contracts for areas or regns have been conummated by l employers and employees, they ust be presented to Division 3 of NA for disposition. The first step is the setting of a public hearing wch shall be held in Washington if the distance is not too great; otherwise in the leading city of the ea covered by the agreement. Div on 3 will ask the State Complnce Director in such area to sve the proper notice of hearing o all interested parties; also the ational employers associations r national employees organizathis concerned will be asked to sect one person from each assoiion directly connected with the cdective bargaining contract to si with the State Compliance Dire or, or to sit with the Deputy or Aistant Deputy Administrator if hearing is held in Washington.

3) On completion of the hearin the records are to be transted to Division 3 for study and dision as to whether the collecbargaining contract comes perly within the purview of the Cstruction Code to a degree to iuify transmission to the Presidet for approval.

n area agreement must cover th work or part of work included in division or sub-division of the cstruction industry under an appved chapter; therefore, immedie agreements may be made only in divisions covered by Chapters II o X of the Code. Attention is ected to the necessity for carefully defining the region or area in which an agreement will be effective, the boundaries of which must be justified at the hearing.

Emphasis is laid upon the development of adequate representation of both employers and employees assenting to an agreement, which assent, insofar as is possible, should be obtained from nonmembers of any employer or employee association participating in the bargaining. Information is requested for several past years as to the number of concerns and the number of employees, assenting to the agreement; and also data for for those not assenting.

CODE QUERIES

ANSWERED

The National Construction Code Authority has issued additional explanations of the Construction Industry Code.

Explanation 9 was issued as a result of various requests for a definition of "standard products" and as to why "the furnishing of quotations on standard products" was specifically excluded from the definition of competitive bidding under Section 1 (a), Article VII of Chapter I. It was also asked whether a general contractor is permitted ,after he receives a contract, to take revised and additional figures on standard products. The explanation defines a standard product as "a product which can be purchased from a manufacturer or distributor without special specifications." Attention is directed, however, to the fact that the primary distinction in the definition of Sec. 1 (a) is as between competitive bidding and furnishing quotations. Under the Code, it is optional with the contractor whether he asks competitive bids (where such can be obtained from vendors) or satisfied his need for prices in preparing a bid for a construction project by utilizing quotations from vendors. Whether a general contractor is permitted, after he receives a contract, to take revised and additional figures on standard products is explained to be contingent on whether he has received prices by quotation, and if so, whether the terms of the quotations were binding, or the vendors free under their particular codes to requote to the contractor. The fact is pointed out that quotations on standard products are governed by codes of fair competition other than the Construction Code, and this is one reason why the Construction Code does not impose any obligations on members of the construction industry with respect to the handling of quotations.

Asked for a ruling as to the status of an architect who contracts with an owner to do the work, or takes a job on a cost-plus or time and material basis, the Construction Code Authority explained in Explanation 10 that under the facts submitted an architect is governed by the provisions of Chapter II.

Advice was requested as to whether a general contractor has the right, under Sec. 10, Art. VII to reject all bids under any subcontract item and to invite new bids after ninety days time had elapsed, and the ruling is in the affirmative in Explanation 11.

It is ruled in Explanation 12 that this obligation to await the elapse of 90 days after the rejection of all bids before new bids are invited is not modified by inviting new sub-contract bids on parts of the work for which bids are rejected by either combining certain items previously bid upon as separate items or separating certain items previously bid upon as one item. The explanation states this does not constitute a substantial change in the plans or specifications as is contemplated in Sec. 10 of Art. VII, if new bids may be invited before the elapse of 90 days.

Asked whether a general contractor having rejected all bids on a particular project is required to invite the sub-contractors who had submitted previous bids, Explanation 13 indicates that when a situation arises whereby new bids may be invited or submitted under Sec. 10, the particular work is restored to its original status, and previous actions of the parties are not binding. Accordingly, a general contractor may invite additional or fewer sub-contractor bids in readvertising, at his own discretion.

An insurance company employing crews of three to five men, including skilled and unskilled labor, to make repairs and improvements to farms and buildings owned by the company, inquired whether it is bound by the provisions of the Construction Code as to minimum wages and maximum hours. Explanation 14 states that by engaging in this type of work, the company becomes a member of the construction industry and as such is subject to the provisions of the Code.

Explanation 15 states that an owner is not liable for a contractor's non-compliance with the provisions of the Construction Code. However, it is pointed out that this relates only to the owner's liability under the Code, and does not embrace any civil responsibility or obligation the owner may otherwise have.

Questions regarding the mechanics of submitting legitimate bids under Sec. 7 of Art. VII are still being asked. In Explanation 16 it is explained that a general contractor may not accept or use an unsealed bid.

BONNEVILLE LOCK AND POWERHOUSE WORK TO BE LET

Bids July 6 on $3,500,000 Contract For Concrete Substructure

A contract for construction of the substructure masonry of the power house and for the navigation lock of Bonneville will be let on bids to be received July 6 by Major C. F. Williams, U. S. District Engineer at Portland The estimated cost of the work to be let is $3,500,000

Work to be done includes additional excavation for the navigation lock, fishways and powerhouse concrete for powerhouse intake and substructure for six units, draft tubes for two units and navigation lock and removal of cofferdams.

The navigation lock will be 516 feet long and 76 feet wide with walls 91 feet high. Coping level will be at elevation 85 and flour elevation minus 5.

Powerhouse construction will include concrete for the intake and substructure and concrete backfill at the north end of the powerhouse. The substructure will be about 550 feet long and 360 feet wide. The base of the draft tubes will be at minus 58 elevation and the deck of the intake at an elevation of plus 95. The intake and substructure concrete will consist principally of piers, slabs, beams and walls, heavily reinforced.

Principal items of wrok and materials include:

Power house: 21,00 cu. yds. rock excavation; 116,000 cu. yds. Class A concrete; 17,000 cu yds Class B concrete; 300,000 lbs. corrosion resisting steel; 20,000,000 lbs. reinf. steel; 3,000,000 lbs. structural steel 15,000 anch or bars (three-fourths-to one and three-fourths inches); 2000 ft. of drill holes for bars; 2500 ft. of 2-inch pressure grout holes. Remove cofferdams A and B, Bradford channel; 210,000 cu. yds. backfill.

Locks: 8,000 cu. yds. rock excavation; 5000 cu. yds. Class A concrete; 55,000 cu. yds. Class B concrete; 200,000 lbs.. corrosion resisting steel; 800,000 pounds reinforcing steel; 300,000 lbs. struc. steel; 170,000 anchor bars (three-fourths-to one and three-fourths - inches) 20,000 ft. of drill holes for bars; 1,000 ft. of 2-in. pressure grout holes.

STATE LICENSES EXPIRE JUNE 30

Contractors are cautioned that they must file an application for the renewal of their state contractors' license before June 30, if they expect to remain in business.

Warning that the licenses of approximately 22,000 registered contractors throughout California would become delinquent June 30 was issued by Glen V. Slater, assistant state registrar of contractors.

Under state law, all contractors are compelled to register. The renewal fee is $5.00 if the renewal application is filed before June 30. A delinquent fee of $5.00, making a total license fee of $10.00, is required on all licenses issued after June 30.

Bureau To Open Parker Dam Bids In L. A. July 26

Bids for the construction of Parker dam on the Colorado River, a unit of the Colorado River Aqueduct project, will be received at Los Angeles by the U. S. Bureau of Reclamation, July 26.

The Los Angeles Metropolitan Water District has entered into a contract with the Bureau of Reclamation to construct the dam. The Public Works Administration has allocated $2,000,000 toward the initial work.

Parker dam will raise the water level of the lower Colorado about 70 feet and will sereve to stabilize the flow into the aqueduct.

The contract to be let under bids opened July 26 includes the following principal quantities: 2,265,000 cubic yards open-cut excavation, 108,000 yards tunnel excavation, 438,000 yards earth fill in cofferdams, 754,000 station yards overhaul, 287,700 yards concrete in structures, 16,000 yards concrete in tunnels, 300 M board feet timber in tunnels, 1,874,000 pounds placing reinforcement bars, 313,500 installing metal pipe and fittings, 4,100,000 pounds installing spillway gates and hoists, $26,500 pounds installing trash racks and miscellaneous metal, 12,000 linear feet installing electrical metal couduit, furnishing, installing and operating a concrete cooling plant.

UTILITIES BOARD LETS CONTRACTS FOR PIPELIN

Western Steel and America Concrete to Construct Crossing

The San Francisco Public Uti ties Commission at a special mee ing yesterday awarded contrac for the Bay Crossing Pipe Line N 2 to Western Pipe and Steel Cor and to American Concrete Steel Pipe Company.

The awards were made on tl low bids of both companies, Wes ern Pipe and Steel at $1,732,437.: for Sections A and B to be co structed with welded steel pi and to American Concrete at $63 969.30 for Section C to be co structed with reinforced concre pipe and short sections of weld steel pipe.

The Commission also open bids for repaving of sidewalk a street openings for the San Fra cisco Water Department in the f cal year ending June 30, 1935. Fo bids were submitted, that of Fra O'Shea, 2201 Seventeenth stre being low at $31,937. The bid the Department of Public Worl was $34,931. Bids were taken u der advisement until June 18.

In San Francisc

A welcoming room...an enter prising chef...a Union Square location (and that says volume if you know your San Francisco ...These are among the Plaz features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTO

SAN FRANCISCO

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

Recorded			Accepted
297	Bothin	Mattock	1000
298	Metropolitan	——	5000
299	Herzig	Herzig	4000
300	Herzig	Herzig	4000
301	Brockell	Bienfield	5000
302	Owl	Dunn	4000
303	Herzig	Herzig	4000
304	Herzig	Herzig	4000
305	Donahoe	——	1500
306	Bennett	Hjul	2000
307	Simpson	Owner	1500
308	Hersch	Owner	6000
309	Bk. America	Capital	1250
310	Carraro	Owner	2500
311	Carraro	Owner	2500
312	California	Owner	1000
313	Schilling	Stolte	3950
314	Nixon	Owner	1000
246	Sherwood	Hammarberg	7000
315	Levison	Mattock	4000
316	Penaat	Owner	1000
317	Faber	Owner	1000

ALTERATIONS
(297) SW RITCH AND BRANNAN Sts. Alter industrial building.
Owner—Bothin Realty Co., 604 Mission St., San Francisco.
Architect—Not Given.
Contractor — A. F. Mattock Co., 212 Clara St., San Francisco. $1000

ALTERATIONS
(298) NO. 942 MARKET ST. Alter offices.
Owner—Metropolitan Life Insurance Co., 942 Market St., S. F.
Constr. Manager—Frederick Whitton, 369 Pine St., San Francisco.
Segregated Contracts $5000

DWELLING
(299) E TWENTIETH AVE 290 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. G. Herzig, 2300 Ocean Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—A. G. Herzig, 2300 Ocean Ave., San Francisco. $4000

DEWLLING
(300) E TWENTIETH AVE 370 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. G. Herzig, 2300 Ocean Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—A. G. Herzig, 2300 Ocean Ave., San Francisco. $4000

ALTERATIONS
(301) NO. 140 SANSOME ST. Alter offices and lofts.
Owner—John Brockell & Co., % Allen & Co.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—D. L. Bienfield, 666 Mission St., San Francisco. $5000

ALTERATIONS
(302) NE GEARY AND STOCKTON Sts. Alter store.
Owner—The Owl Drug Co., 657 Mission St., San Francisco.
Plans by Owner.
Contractor—Louis C. Dunn, Monadnock Bldg., S. F. $4000

DWELLING
(303) E TWENTIETH AVE. 410 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. G. Herzig, 2300 Ocean Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—A. G. Herzig, 2300 Ocean Ave., San Francisco. $4000

DWELLING
(304) E TWENTIETH AVE. 330 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. G. Herzig, 2300 Ocean Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—A. G. Herzig, 2300 Ocean Ave., San Francisco. $4000

ALTERATIONS
(305) SW PINE AND BATTERY. Alter offices.
Owner—Anna Meloy Donahoe et al, 210 Securities Bldg., S. F.
Constr. Mgr.—Frederick Whitton, 369 Pine St., San Francisco.
Segregated Contracts. $1500

ELEVATOR
(306) NE BRANNAN AND RITCH. Install elevator.
Owner—George E. Bennett, 2000 16th St., San Francisco.
Engineer — L. H. Nishkian, Underwood Bldg., San Francisco.
Contractor—J. H. Hjul, 128 Russ St., San Francisco. $2000

DWELLING
(307) SW INNES Avenue 187-6 NW Griffith; one-story and basement frame dwelling.
Owner—A. W. Simpson, 524 Guerrero.
Architect—Not Given. $1500

ALTERATIONS
(308) 3119 JACKSON ST.; alter flats.
Owner—B. Hersch, 665 29th Avenue.
Architect—Not Given. $6000

ALTERATIONS
(309) 1451 STOCKTON Street; alter store.
Owner—Bank of America, 625 Market.
Architect—Capital Co., 625 Market St.
Contractor — Langfelder Shuster, 280 Wawona. $1250

DWELLING
(310) S HALE 330 W Boyston; one-story and basement frame dwelling.
Owner and Builder—G. Carraro, 750 Felton Street.
Architect—Not Given. $2500

DWELLING
(311) S HALE 205 W Boyston; one-story and basement frame dwelling.
Owner and Builder—G. Carraro, 750 Felton Street.
Architect—Not Given. $2500

ALTERATIONS
(312) NO. 405 MONTGOMERY ST. Alter office building.
Owner — California Montgomery Co., 405 Montgomery St., S. F.
Architect—Not Given. $1000

ALTERATIONS
(313) NO. 2006 WASHINGTON ST. Alter apartments.
Owner—A. Schilling, Premises.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—F. C. Stolte Co., 3455 Laguna St., San Francisco. $3950

ALTERATIONS
(314) NO. 160 SANSOME STREET. Alter office building.
Owner—Blanche Ryer Nixon, Santa Barbara.
Architect—Not Given. $1000

DWELLING
(246) NO. 853 ROSEMOUNT ROAD, **OAKLAND.** Two-story six-room dwelling.
Owner—G. G. Sherwood, 2636 Maxwell Ave., Oakland.
Architect—Not Given.
Contractor—A. Hammarberg, 2340 Le Conte Ave., Berkeley. $7000

ALTERATIONS
(315) NO. 100 LOCUST ST. Alter dwelling.
Owner—Geo. Levison, Premises.
Architect—Ed. Sharpe, Newhall Bldg., San Francisco.
Contractor—A. F. Mattock Co., 212 Clara St., San Francisco. $4000

ALTERATIONS
(316) NO. 192-194 DOWNEY STREET Alter flats.
Owner—W. H. Penaat, 111 Sutter St., San Francisco.
Architect—Not Given. $1000

ALTERATIONS
(317) NO. 233-235 TWENTY-SIXTH Ave. Alter dwelling.
Owner—A. H. Faber, % Associated Oil Co., 79 New Montgomery St. S. F.
Architect—Not Given. $1000

ALAMEDA COUNTY

243	Hass	Person	4832
244	First	Nordstrom	10000
245	Scammell	Owner	5000
247	Franklin	Soder	1000
248	Sutherland	Haulman	3500
249	Chevrolet	Bos	3000

DWELLING
(243) NO. 1176 STERLING STREET, **BERKELEY.** One-story 4-room frame dwelling and garage.
Owner—S. R. Hass, 2449 Dwight Way Berkeley.
Architect—R. J. Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Luis Road, Berkeley. $4832

ALTERATIONS
(244) NO. 1560 BROADWAY, **OAKLAND.** Alterations.
Owner—First National Bank, Prem.
Architect—Geo. W. Kelham, 315 Montgomery St., San Francisco.
Contractor — David Nordstrom, 4150 Emerald St., Oakland. $10,000

DWELLING
(245) NO. 3739 ELSTON AVENUE, **OAKLAND.** One-story six-room dwelling.
Owner—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $5000

ALTERATIONS
(247) No 1736 FRANKLIN STREET **OAKLAND.** Alterations.
Owner — Franklin - California Realty Co.
Architect—Not Given.
Contractor—Oscar Soder, 1576 Alice St., Oakland. $1000

RESIDENCE
(248) NO. 1811 PEARL ST., **ALAMEDA.** Five-room frame residence.
Owner—Ken J. Sutherland.
Architect—Not Given.
Contractor—P. R. Haulman, 1243 Broadway, Alameda. $3500

CONVEYOR
(249) NO. 6901 FOOTHILL BLVD., **OAKLAND.** Steel conveyor.
Owner—Chevrolet Motor Co., 69th Ave. and Foothill Blvd., Oakland.

Architect—Not Given.
Contractor—Eos Constr. Co., 1912 E-26th St., Oakland. $3000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
65	Segarini	Murer	6300

APARTMENTS
(65) 48 BOARDMAN PLACE; two-story and basement frame apt.
Owner—Mr. and Mrs. J. Segarini, 48 Boardman Place.
Architect—Not Given.
Contractor—L. Murer, 1274 Quesada.
Filed June 16, '34. Dated June 4, '34.
When roof is on $1575
When brown coated 1575
When completed 1575
Usual 35 days 1575
TOTAL COST, $6300.00
Bond, $3150. Sureties, Onorato Biondi 1764 Mason St.; Domenic Trevisan, 344 32nd Ave. Plans and Spec. filed.

SAN FRANCISCO UNDER $1000

REPAIR fire room, $700; 1839 8th Ave.; owner, Mrs. Glover, 1839 8th Ave.; contractor, W. J. Cooney, 68 Belcher St.

MOVE office, $100; S Irving St. W 40th Avenue; owner, J. F. Klaes, 4115 Lincoln Way.

ALTER dwelling, $200; 585-595 Van Ness Ave., South; owner, Mrs. P. Brock, Alameda; contractor, J. Remelberg, 1024 Post St.

SIGN, electric, $40; 81 Third Street; owner, Mission Wine & Liquor Co. Prem.; contractor, Golden Gate Sign Co., 355 8th St.

SIGN, electric, $115; 5246 Mission St.; owner, F. C. Johnson, Premises; contractor, Neon Service Co., 1707 Folsom St.

REPAIR fire damage, $951; 2263 Post St.; owner, S. Rudy, Premises; contractor, W. J. Cooney, 68 Belcher St.

SIGN, electric, $250; 3601 Balboa St.; owner, R. J. Lucchetti, Premises; contractor, American Sign Co., 1740 Eddy St.

ALTER dwelling, $100; 2820 Lake St.; owner, C. G. Brown, Premises.

ALTER dwelling, $190; 817-819 Hayes Street; owner, H. Whitcomb, 819 Hayes St.; contractor, J Fuller, 663 Hayes St.

SIGN, $150; 2664 Mission St.; owner, J. J. Newberry Co., Premises; contractor, Oakland Sign Co.

ALTER flats, $100; 1027-29 Dolores St. owner, J. Mullins, 1286 Guerrero.

ALTER apartments. Cost, $350; 925 Clayton St.; owner, E. N. Mabrey, Premises.

ALTER dwelling, $50; 3303 Folsom St.; owner, G. Bruno, Premises.

ALTER store, $100; 515 Castro St.; owner, G. Forti, Premises; contractor, R. Foliotti, 200 Cervantes Blvd.

BILLBOARD, $12.50; SE Market and Eighth Sts.; owner, Associated Oil Co., 79 New Montgomery St.; contractor, Foster & Kleiser Co., 1675 Eddy St.

BRACE fire walls, $250; 110 Sutter; owner, Capital Co., 110 Sutter St. contractor, Patterson & Koster, 280 13th St.

ALTER and move dwelling, $500; 237 States St. (rear); owner, Joseph Magnani, 2 Vulcan St.

ALTER stores and apartments, $450; 390-396 11th Ave.; owner, M. Schwartz, 390 11th Ave.; contractor, Leonard Bosch, 167 5th Ave.

ALTER store, $200; 1287 Rhode Island St.; owner, J. J. O'Keefe, 1287 Rhode Island St.

ALTER dwelling, $50; 609 Banks St.; owner, Edward Moser, 609 Banks.

BILLBOARD, $25; SW Van Ness and Bay St.; owner, Associated Oil Co. 79 New Montgomery St.; contractor, Foster & Kleiser Co., 1675 Eddy St.

BRACE water tank, $100; 1110 Market St.; owner, Capital Co., 1110 Market St.; contractor, Patterson & Koster, 280 13th St.

BRACE fire walls, $350; 1401 Market St.; owner, Capital Co., 1401 Market St.; contractor, Patterson & Koster Iron Works; 280 13th St.

ALTER dwelling, $50; 720 36th Ave.; owner, Denis Carroll, 720 36th Ave.

FLUE (1) patent, $10; 1027 De Haro; owner, N. Laskatoff, Premises; contractor, J. A. Marshall, 225 Morse St.

ALTER store,, $195; 314 Front St.; owner, Pacific Distribution Co., 314 Front St.; contractor, A. Nelson, Inc., 242 Ocean Ave.

ALTER dwelling, $175; 2907 29th Ave.; owner, Victor Whelgart, 2907 29th Ave.

ALTER dwelling, $200; S 19th St. 28 E York St.; owner, Mrs. M. E. Balkwell, 624 Hampshire St.; contractor, Masarie & Cuneo, 2550 19th.

ALTER dwelling, $85; 3338 16th St.; owner, John De Vencenzi, Prem.; contractor, G. B. De Lucchi, 4 Sharp Place.

NEW sidewalk, $500; SE Kearny and Commercial Sts.; owner, The Mark Sheldon Co.; architect, B. G. McDougall, 353 Sacramento St.; contractor, Moore and Madson, 557 Market St.

ALTER dwelling, $200; 148 Silliman; owner, Wilhema Steuer, 148 Silliman St.; contractor, Michael Brueck, 600 Bayshore Blvd.

ALTER store, $400; 540 Clement St.; owner, John Greely, Premises; contractor, V. L. Burt, 229 6th Avenue.

ALTER flats, $250; 515 Connecticut; owner, F. Alliertozzi, Premises.

SIGN, electric, $75; 2976 Mission St.; owntr, McGreavy, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER storage building, $400; 1445 Van Ness Ave (rear); owner, Fred Suhr, 2919 Mission St.

ARLTER dwelling, $100; 1024 Silver Ave.; owner, Ada Baneto, Prem.

ALTER flats, $600; 2690 Filbert St.; owner, Alice Delehanty, Premises; contractor, Mr. Reich, Burlingame

PLANT house, $500; 2938 Washington St. (rear); owner, W. G. Much, Premises; contractor, M. A. Ball, 580 Market St.

SIGN, electric, $60; 734 Montgomery; owner, Venetian Hotel, 734 Montgomery; contractor, Laib, 7th and Folsom Sts.

SIGN, electric, $150; 450 Market St.; owner, Camille's, 450 Market St.; contractor, QRS Neon, 690 Potrero Ave.

ALTER dwelling, $400; 2815 Buchanan St.; owner, J. H. Claiborne, 2815 Buchanan St.; contractor, Larry Burron, 642 14th St., Oakland.

ALTER dwelling, $100; E 8th Ave. 180 S. California; owner, E. and M. Grinnell, 236 8th Ave.; contractor, E. L. Fischer, 177 8th Ave.

FLUE, 1 patent, $40; 158 Naples; owner, Wm. Grossman, 1 Newton; contractor, Johnson Furnace and Sheet Metal Co., 5240 Mission St.

ALTER flats, $200; 1914 Lombard St.; owner, Alesandri, 1914 Lombard; contractor, P. Sartorio, 681 Market St.

SIGN, electric, $50; 1601 Castro St.; owner, Cykman's Pharmacy, 1601 Castro; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $75; 820 Valencia St.; owner, Mission Ser. Co., 820 Valencia St.; contractor Golden Gate Neon, 355 8th St.

ALAMEDA COUNTY UNDER $1000

GARAGE, $150, 1811 Pearl St., Alameda; owner, Ken J. Sutherland; contractor, P. R. Haulman.

ADDITION, $300; 4134 Fruitvale Ave., Oakland; owner, Al Connolly, 4134 Fruitvale Ave.; contractor, P. Delucchi & Son, 5443 Claremont Ave.

ALTERATIONS and addition, $650; 954 46th St., Oakland; owner, Mrs. Sarah Randall, 954 46th St.; contractor, A. A. Anderson, 417 49th.

SIGN, electric, $300; 435 19th Street, Oakland; owner, The Clam Broth contractor, Ace Elec. Sign Co., 1243 E-12th St.

SIGN, electric, $125; 1243 13th Ave., Oakland; owner, Walters; contractor, Ace Elec. Sign Co., 1243 E-12th St.

ALTERATIONS, $240; 618 53rd St., Oakland; owner, Vincengo Gai, 618 53rd St.; contractor, Joe Alessandro, 1151 Page St. Berkeley.

ADDITION, $275; 2945 Georgia St., Oakland; owner, E. B. Good, 2945 Georgia St.

SIGN, electric, $375; 6225 E-14th St., Oakland; owner, Haiden Auto Parts; contractor, Ace Elec. Sign Co., 1243 E-12th St.

SIGN, electric, $20; 3926 E-14th St., Oakland; owner, Perrys Cafe; contractor, Ace Elec. Sign Co., 1243 E-12th St.

ALTERATIONS, $170; 2816 College Ave., Berkeley; owner, M. Poppice, Prem.; contractor, S. O. MacDonald, 2912 Dakin St.

ALTERATIONS, $95; 1200 Euclid Ave., Berkeley; owner, Mrs. L. H. Jacobs, 815 Coventry Road; contractor, H. H. Porter, 8 Norwood Ave.

ADDITION, $100; 9424 Almond Street, Oakland; owner, C. J. Smith, 9424 Almond St.

GARAGE, one-story, $50; 5402 Wadean Place, Oakland; owner, M. H. Nagy, 5402 Wadean Place.

ALTERATIONS, $146; 2001 E-21st St., Oakland; owner, Mrs. A. Needham, Premises.

GARAGE, one-story, $80; 1519 98th Ave., Oakland; owner, E. L. Cellaire, 3051 Partridge Ave.

GARAGE, one-story, $175; 3763 Leighton St., Oakland; owner, W. W. Blair, 660 Vernon St.

ALTERATIONS, $300; 828 Delaware St., Berkeley; owner, John Cowan, 1811 6th St.

ALTERATIONS, $150; 1341 Grove St., Berkeley; owner, Chas. Cain; contractor, W. H. Wisley, 2911 Adeline St.

ALTERATIONS, $900; 1736 Franklin St., Oakland; owner, Franklin-California Realty Co., Premises; contractor, Oscar Soder, 1576 Alice

ADDITION, $240; 2019 86th Ave., Oakland; owner, L. Banchero, 2019 86th Ave.

ADDITION, concrete, $500; 525 Bellevue Ave., Oakland; owner, Womens Athletic Club, Premises.

GARAGE, 1-story, $100; 2079 Church St., Oakland; owner, Angeline Rodrigues, Premises.

ALTERATIONS, $40; 910 Clay St., Oakland; owner, Frank Lucas, 3538 Brighton Ave.

ALTERATIONS, $500; 436 14th St., Oakland; owner, Central Bank of Oakland, 436 14th St.

ALTERATIONS, $995; 15 Buena Vista Place, Oakland; owner, J. Lambert contractor, M. E. Valente, 5118 Clarke St.

ALTERATIONS, $300; 520 9th St., Oakland; owner, C. Hill; contractor, R. E. Norris, 359 17th St.

REPAIRS, $150; 642 Fairview Street, Oakland; owner, Geo. W. Hughes, 683 Wesley Ave.; contractor, Brockhurst Termite Co., 2819 Shattuck Ave., Berkeley.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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8.—Club Buildings
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13.—Public Buildings, Fire Houses and Jails
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17.—Theatres
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19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Contract Awarded
ALTERATIONS Cost, $1500
SAN FRANCISCO. 4728 Mission St.
Alterations to flats for apartments.
Owner—A. Ghiotto, 250 London St.
Architect—Not Given.
Contractor—A. De Benedette, 22 Cotter Street.

To Be Done By Day's Work
ALTERATIONS Cost, $1500
REDWOOD CITY, San Mateo Co. Cal. 175 Birch Street.
Alterations and additions to frame residence for three apartments.
Owner and Builder—J. Casaretto, 244 Finger Ave., Redwood City.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $4000
SAN FRANCISCO. No. 2006 Washington Street.
Alterations to apartments.
Owner — A. Schilling, 2006 Washington St., San Francisco.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—F. C. Stolte Co., 3455 Laguna St., San Francisco.

Bids Opened.
ALTER APARTMENTS Cost, $—
SAN FRANCISCO. Folsom and 12th Sts., (1629 Folsom St.)
Alterations to three-story frame and stucco apartment building (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St., San Francisco.
Low Bidder—Moore & Madsen, 557 Market St., San Francisco.
Following bids received:

Moore & Madsen	$13,730
Fred DuPuy	13,926
Robert McCarthy	14,425
Young & Horstmeyer	14.520
Wm. Spivock	14,817
D. L. Bienfield	14,850
Moore & Roberts	15,120
Jacks & Irvine	15,305

Bids held under advisement.

2— BONDS

BIDS WANTED
SAN FRANCISCO.—Until June 25, 3 P. M., bids will be received by the Board of Supervisors, J. S. Dunnigan, Clerk, for the sale of $3,000.000 in school bonds, and $2,000,000 high pressure system bonds. The school bond money will finance construction of new schools and improvement to existing schools; and the high pressure bonds will finance construction of extensions to the existing high pressure system and underground fire cisterns. Bonds were voted Nov. 7, 1933.

4 — FACTORIES & WAREHOUSES

Sub-Contracts Awarded.
WAREHOUSE, ETC. Cost, $121,000
OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.
Two-story reinforced concrete warehouse (518x101 feet) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors electric elevator, 520 feet of railroad track, etc.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner
Lessee—Rosenberg Bros., Oakland.
Contractor—K. E. Parker Co., 135 So. Park, San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
Painting—Jos. J. Burdon, 1717 Webster St., Oakland.
Steel Forms—Deslauriers Metal Products Co., Inc., 1766 11th St., Oakland.
Plumbing—Carl T. Doell, 3230 Lakeshore Ave., Oakland.
Miscellaneous Iron—Frauneder Ornamental Iron Works, 335 8th St., Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.

Bids Wanted — To Close June 28, 2 P. M.
EXTEND SHED Cost, $——
SAN FRANCISCO. Pier No. 42.
140 foot extension to pier shed on Pier No. 42 (timber construction, composition roofing).
Owner—State of California (Harbor Board), Ferry Bldg., San Francisco.
Engineer—Frank G. White, Ferry Bldg., San Francisco.
Plans available from above office June 18, upon deposit of $10.

Sub-Contracts Awarded.
BOILER HOUSE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. No. 261 W. Julian Street.
Boiler house.
Owner—Guggenhime Co., Premises.
Architect—Ralph Wyckoff, San Jose National Bank Bldg., San Jose.
Contractor—Chester A. Higgins, 342 Spencer Ave., San Jose.
Plumbing—J. Serpa, 497 N. 13th St., San Jose.
Mill Work—Hubbard Lumber Co., 384 W. Santa Clara St., San Jose.
Structural Steel—H. Hellwig, 577 W. Santa Clara St., San Jose.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
Sheet Metal—California Sheet Metal Co., 357 W. San Carlos St., San Jose.
Painting—Fred Jiles Jr., 1240 Settle Ave., San Jose.
Glass and Glazing—Le Deit Glass Co., 762 Lenzen St., San Jose.
Lumber—Hubbard Lumber Co., 384 W. Santa Clara St., San Jose.
Hardware—San Jose Hardware Co., 62 W. San Fernando St., San Jose.
Brick Work—H. Daigling, 734 Clinton St., San Jose.
Boilers—Berry Iron Works, San Jose.

June 16, 1934
To Be Done By Day's Work.
ALTERATIONS Cost, $3000
FRESNO, Fresno Co., Cal. NW Third and California Streets.
Alterations to cannery.
Owner—California Prune & Apricot Growers Assn.
Architect—Not Given.

CONTRACT AWARDED
RICHMOND, Contra Costa Co., Cal. —Standard Oil Co., 225 Bush St., San Francisco, awarded a contract to the W. G. Kellogg Co., 225 Broadway, New York City, for the construction of a combination atmospheric and vacuum pipe still with a capacity of 21,000 lbs. per day and for the construction of a re-run still at the Richmond Standard Oil Refinery. Work includes furnaces for heating oil, steel towers, pumping equipment, distillation equipment, etc. Estimated cost of work complete is $1,750,000. Construction will start in thirty days. D. W. Wilson, 200 Bush St., San Francisco, is representing the company in San Francisco.

BIDS WANTED
SAN DIEGO, Cal.—Until July 11, 11 A. M., bids will be received by Bureau of Yards and Docks, Navy Dept. Washington, D. C., for the construction of seven hangars at the Naval Operating Base (Air Station) San Diego. Work includes structural steel, brick, tile, steel windows, plumbing and electrical systems. Spec. No. 7295-A. Estimated cost, $245,000. Plans and specifications may be obtained from above office and from the Commandant, Naval Operating Base, foot of Broadway, San Diego, upon deposit of $25.00.

PLANS BEING PREPARED
LONG BEACH, Los Angeles Co., Calif.—Santa Cruz Portland Cement Co., San Francisco, is having plans prepared for a cement treatment plant to be built on West 7th St., Long Beach. R. A. Kinzie, chief engineer for the firm will have charge of the work and will probably take bids for construction of the plant upon completion of the plans. Improvements will include a treatment mill, steel silos and sacking bins. The project will involve an investment of approximately $250,000.

Contract Awarded.
STORAGE PLANT Cost, $2500
SAN JOSE, Santa Clara Co., Cal. No. 402 Bird Avenue.
One-story cold storage plant.
Owner—Rocca Albanese, Premises.
Architect — William Higgins, 17 N. Second St., San Jose.
Contractor—Don Caputo, 401 Illinois Ave., San Jose.

BIDS WANTED
OAKLAND, Alameda Co., Cal.—Until June 25, 4:30 P. M., bids will be received by City of Oakland Port Commission, for furnishing and installing electric freight elevator and wiring and equipment for light and power for Terminal Building "E, Outer Harbor, Oakland. Plans available from above office upon deposit of $5 for elevator plans and $5 for wiring plans.

Contract Awarded.
WAREHOUSE & SERVICE STATION Cost, $50,000
FRESNO, Fresno Co., Cal. NE Fulton and Stanislaus Streets.
One-story and mezzanine floor steel frame and brick warehouse and service station, with stucco exterior (125x150 feet).
Owner—Firestone Tire & Rubber Co. of Calif. (W. B. Mullins, Supt.), 2525 Firestone Blvd., Los Angeles.

Plans by Engineering Dept. of Owner.
Pacific Southwest Bldg., Fresno.
Contractor — Trewhitt Shields Co.,

5— FLATS

To Be Done By Day's Work
ALTERATIONS Cost, $6000
SAN FRANCISCO. 3119 Jackson St.
Alterations to two-story frame flat building.
Owner—B. Hersch, 665 29th Avenue.
Architect—Not Given.

6— GARAGES & SERVICE STATIONS

Contract Awarded.
SERVICE STATION Cost, $13 000
STOCKTON. San Joaquin Co., Cal. No. 1504 Pacific Avenue.
One-story steel super service station (concrete floors).
Owner—General Petroleum Co., 1924 Broadway, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna St., Oakland.

Low Bidders
STATION Cost, $——
HAMILTON FIELD, Marin Co., Cal.
One-story gasoline station.
Owner—U. S. Government (Post Exchange) Hamilton Field.
Plans by Engineering Dept. of Owner.
Low Bidder—Thomas J. Doyle, 1527 17th Ave., San Francisco.
Following are three low bids:
Thos. J. Doyle, 1527 17th Ave., San Francisco $1,917
Fred J. Early, San Francisco..... 1,972
J. A. Fazio, Oakland..... 2,037
Bids held under advisement.

Sub-Contracts Awarded
ALTER GARAGE Cost, $50,000
SAN FRANCISCO. 17th, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Regents of the University of California, Berkeley.
Architect—Miller & Pflueger, 580 Market Street.
Lessee—Pacific Greyhound Lines, Inc. 9 Main Street.
Contractor—Geo. P. W. Jensen, 320 Peoria Street.
Market Street.
Grading—Devincenzl Bros., 150 Collins Street.
Electric—De Latour Electric Co., 320
As previously reported, structural steel awarded to Judson Pacific Co., 609 Mission Street.

7—FEDERAL BUILDING

TO ASK BIDS
VALLEJO, Cal.—Custodian of the Vallejo Post Office will ask for bids shortly for the construction of an aluminum railing for the stairway in the U. S. Post Office, Vallejo.

BIDS WANTED
ALCATRAZ, Cal.—Until June 25, 2 P. M., bids will be received by the Warden, Alcatraz Island, Room 217, Post Office Building, Seventh and Mission Sts., San Francisco, for painting interior of building No. 68, U. S. Penitentiary, Alcatraz.
Specifications available from above office.

Plans Awaiting Approval.
UTILITY BLDG. Cost, $117,900
YOSEMITE VALLEY, Merced Co.
One-story fireproof utility building (concrete walls and floors, structural steel frame, hollow tile dividing walls).
Owner—U. S. Government (National Park Service).
Plans by E. M. Hilton, Park Engineer Yosemite National Park.
Plans have been forwarded to Washington for final approval. Bids will be asked shortly.

BIDS OPENED
VALLEJO, Solano Co., Cal.—Usona Mfg. Co., St. Louis, Mo., at $193.00 submitted low bid and will be awarded contract by the Custodian, Vallejo Post Office for the construction of three bulletin boards, 30 in. wide and 40 in. long for the post office.
Following bids received:
Usona Mfg. Co., St. Louis..... $193.00
Franklin Starrett Co..... 199.25
Shower Door Co., Berkeley..... 219.00
Michel & Pfeffer, S. F..... 266.00
American Bronze Co., Chicago.. 267.00
Newman Bros., Cincinnati..... 284.00
Anchor Post Fence Co., S. F..... 313.00
Public Bldg. Contractors, New York City 499.00

CONTRACT AWARDED
SAN FRANCISCO.—A. Framburg, Chicago, was awarded a contract by the Treasury Department, June 13, at $8478, for furnishing and installing interior lighting fixtures in the San Francisco Federal building.
Complete bids published May 25.

BIDS WANTED
OAKLAND, Cal.—Until June 29, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public W'ks Branch, Washington, D. C., for linoleum floor covering for the U. S. Post Office and Custom House at Oakland. Specifications may be obtained from above office and from the Custodian of the Building at Oakland.

BIDS WANTED
NOGALES, Arizona.—Until July 10 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of an immigration station at Nogales. Plans and specifications available at the above office upon deposit of $25. (4688) 1st report June 14, 1934.

CONTRACT AWARDED
LOS ANGELES, Calif.—L. F. Dow Co., Union League Bldg., Los Angeles, at $21,760 awarded contract by Veterans' Administration, for construction of alterations to connecting corridors at the Wadsworth Hospital, Veterans' Administration Facility at Los Angeles. Work includes excavation work, reinforced concrete, hollow tile, brick work, cast stone, tile, sheet metal, metal lathing, stucco, carpentry, insect screens, painting, glazing, electrical work and connections to electric distribution system.

FUNDS ALLOCATED
RENO, Nevada.—Public Works Administration has alloted $30,000 for the construction of a retaining wall and improvement of grounds at the Reno post office. Wall will be constructed along the Truckee river between Center and Virginia Streets.

LOW BIDDER
SALT LAKE CITY, Utah.—Burnston & Cuhre, East Salt Lake City, submitted the low bid to the Treasury Department at $2080, for enlarging entrance vestibules at the United States post office, Salt Lake City.

EQUIPMENT APPROVED
TECATE, San Diego Co., Calif. — Treasury Department approved the award made to S. and M. Lamp Company for floor lights for the inspection station at Tecate. Associated Constructors, 1226 S. La Brea Ave., Los Angeles, general contractors.

CONTRACT AWARDED
CEDAR CITY, Utah.—M. C. Roberts, Cedar City, at $1,150, awarded contract by Treasury Department for new toilets, partitions, etc., at the U. S. Post Office, Cedar City, Utah.

BIDS WANTED
SAN FRANCISCO—Bids are being received by the Custodian, Room 308, Post Office Bldg., San Francisco, for wickets and wood screens, etc., for the Post Office and Courthouse in San Francisco. A date for opening bids will be set shortly.

BIDS OPENED
BINGHAM CANYON, Utah—Federal Equipment Co., Carlisle, Pa., at $94 submitted low bid to Treasury Department for a lobby desk in the U. S. Post Office, Bingham Canyon, Utaah. Following bids received:
Federal Equipment Co., Carlisle, Pa., $94.
Original Cabinet Corp., Niles, Mich., $112.
John E. Siostrom Co., Philadelphia, Pa., $139.
Bids held under advisement.

BIDS WANTED
SAN FRANCISCO—Until July 5, 2 P. M., bids will be received by the Custodian, Room 308, Post Office Building, Seventh and Mission Sts., San Francisco, for wickets and wood screens, etc., for the Post Office and Courthouse in San Francisco.

BIDS WANTED
CEDAR CITY, Utah—Until July 5, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for corrosion resisting steel counter covering in the U. S. Post Office at Cedar City, Utah. Plans and specifications may be obtained from above office or from the Custodian of the building, Cedar City.

CONTRACT AWARDED
LOS ANGELES, Cal.—D. O. Brundell, Gardenia, at $3359 awarded contract by Veterans' Administration, Fort Miley, for the construction of one animal house at the Veterans' Administration Facility, Los Angeles.
Work includes concrete work, hollow building tile, lathing and plastering, roofing, sheet metal, carpentry, glazing, hardware, insect screens, painting, electrical work, plumbing, woven wire fence and gates.

COMPLETE BIDS
CORVALLIS, Oregon—As previously reported, Patterson Bros., 573 Santa Rosa Ave., Berkeley, at $844 submitted low bid to Treasury Department for painting plaster in the U. S. Post Office, Corvallis, Oregon. Only other bid was submitted by Newman Bros., McMinnville, Oregon, at $859. Bids held under advisement.

COMPLETE BIDS
HOQUIAM, Wash.—A previously reported, Pioneer Const. Co., Textile Tower Bldg., Seattle, at $5,380 submitted low bid to Treasury Department for stucco work for the U. S. post office at Hoquiam.
Following bids received:
Pioneer Const. Co. Textile Tower, Seattle $5,380
Gust Lauch & Sons, Seattle..... 6,467
Wm. Fodge, Montesano, Wash.... 6,860
Nels Nelson, Hoquiam, Wash..... 7,522
J. B. Land, Aberdeen, Wash..... 7,860
California Gunite Co., Los Angeles 8,340
Industrial Spray Corp., Portland 8,400

BIDS OPENED
LOS ANGELES, Cal.—Western Steel & Wire Co., 439 Bryant St., San Francisco, at $6300 submitted low bid to Veterans' Administration, Washing-

:, D. C., for furnishing wrought ri gates and wire fence at the Vet-ans Administration Facility, at Los Ateles. Second low bid was sub-rted by Pacific Fence Constr. Co., L Angeles, at $7400. Identical bids a:$8085 were submitted by the fol-oing:
Vestern Steel & Wire Co., San Pncisco.
acific Fence Constr. Co., Los An-ges.
odern Iron Works, Ltd., Los An-ges.
outhern California Fence Co., Los Ateles.
nderson Fence Co., Los Angeles.
oule Steel Co., Los Angeles.
andard Fence Co., Los Angeles.
nchor Post Fence Co., Baltimore, Myland.
.ewart Iron Works, Inc., Cincin-ti, Ohio.
os Angeles Fencing Co., Los An-ges.
ittsburgh Steel Co., Pittsburgh, P.
eterson Bros., Inglewood, Calif.
own Fence & Supply Co., Ingle-wd.

LW BIDDER
EDLANDS, San Bernardino Co., Cl—Penn Metal Co., submitted low bi to the Division of Supply, Treas-ur Department, June 4, at $787.56, fo furnishing metal shelving for the Redlands Post Office.

PLANNED
L CENTRO, Imperial Co., Cal.—Treasury Department has requested fuds to finance the installation of an ai cooling system in the El Centro Pc Office.

BID OPENING DATE POSTPONED.
ORTLAND, Oregon—Until July 3, P M., (date postponed from June 21 bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C. for painting plaster, etc., at U. S. Cort House, etc., at Portland. Plans an specifications available from the above office or from the Custodian of th building at Portland.

SUB-CONTRACTS AWARDED
ALCATRAZ, Cal.—Fred J. Early, 369 Pine St., San Francisco, awarded the following sub-contracts for the con-struction of alterations to existing buildings at the U. S. Penitentiary at Alcatraz Island.
Work includes new partitions, in-stallation of baths, kitchen sinks and equipment, changes in heating and plumbing systems, etc.
Lumber—Roth Maier Lumber Co., 2800 Third St., San Francisco.
Mill Work — National Mill & Lumber Co., 230 California St., S. F.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Electric—Dowd-Seid Electric Co., 2118 Mission St., San Francisco.

9.— HOSPITALS

Plans Being Completed.
HOSPITAL Cost, $615,000
SAN FRANCISCO. Potrero Ave. and Twenty-second Street.
Six-story cancer building and 5-story psychopathic hospital (double building; T-shaped); concrete, steel and brick construction, flat roof.
Owner—City and County of San Fran-cisco.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
is expected to ask bids shortly.

BIDS WANTED
SEATTLE, Wash.—Until June 27, 3 P.M., bids will be received by Divi-sion of Purchasing, Department of Business, Olympia, for supplying ce-ramic floor tile for the Psychopathic Ward Bldg., Easter State Hospital, Medical Lake, Wash. Proposal blanks may be obtained from above office.

Bids Opened.
WOMEN'S BLDG. Cost, $——
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One-story and basement reinf. con-crete addition to women's dormi-tory at County Hospital.
Owner—County of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder — Azevedo & Sarmento 920 O St., Sacramento.
Following bids received:
Azevedo & Sarmento, Sacto.....$60,800
(1) 48,600
Chas. Unger, Sacramento..... 64,864
(1) 53,714
Wm. C. Keating, Sacramento.. 66,000
(1) 52,500
Campbell Constr. Co., Sacto..... 68,220
(1) 54,694
*H. W. Robertson, Sacto..... 63,431
(1) 51,031
*Bid withdrawn.
Three low bids held under advise-ment.

10— HOTELS

Sub-Contracts Awarded.
HOTEL Cost, $20,000
TAHOE CITY, Placer Co., Cal.
Two-story wood and log siding hotel (30 rooms) 40x124 ft., shingle roof.
Owner—Carl Becholdt, Tahoe City.
Architect — W. E. Coffman, Forum Bldg., Sacramento.
Contractor — Jack Wolert, P. O. Box F. Truckee.
Plumbing—Rube Welch, Auburn and Tahoe City.
Wiring—M. McDonald, Tahoe City.
Painting is to be done by day's work

11—ICE AND COLD STORAGE PLANTS

COMPLETE BIDS
WHIPPLE, Arizona—As previously reported, Kohlenberger Engineering Co., Fullerton, submitted low bid to the Veterans' Administration, June 12, at $28,446, for installing additional re-frigeration in Buildings 45, 47 and 81, Veterans' Administration Facility, Whipple, Arizona. Following bids re-ceived:
Kohlenberger Engr. Corp., Ful-lerton $28,466
(1) 1,992
(2) 3,206
Parker Ice Machine Co., San Bernardino 28,890
(1) 2,569
(2) 2,564
York Ice Machine Co., Phila-delphia $31,768
(1) 2,587
(3) 3,030
Bids under advisement.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

CONTRACT AWARDED
COLUSA, Calif.—Harry Staple, Co-lusa, at $1,490 awarded contract by County Board of Supervisors for plas-tering portion of the County Court House in Colusa.

14— RESIDENCES

Prospective Bidders.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Al-varado Avenue.
Two-story frame and stucco residence (6 rooms), Spanish type; tile roof, gas heating system, hardwood floors, etc.
Owner—C. M. Tompkins, Berkeley.
Architect — John Hudson Thomas, 31 Norwood Ave., Berkeley.
Following have secured plans:
Chas. M. Norgrove, 2220 Roosevelt Ave., Berkeley.
H. K. Henderson, 20 Avis Road, Berkeley.
C. O. Bradhoff, 911 55th St., Oak-land.
Emil Person, 829 San Luis Road, Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $40,000
RENO, Nevada. Nixon and California Avenues.
Two-story residence (16 rooms), (New Orleans Colonial Type).
Owner—Mrs. Lyella Rhodes Garvey.
Architect—P. A. Williams, 3829 Wil-shire Bldg., Los Angeles.
Contractor—C. D. Jameson, 220 Ma-ple St., Reno.
Heating — General Electric Co., Los Angeles.
Plumbing—A. C. Leonard, Reno.
Electric Wiring — Pittsburg Electric Co., Reno.
Mill Work — Pacific Mfg. Co., Santa Clara.
Reinforcing Steel — Macaulay Iron Works, Reno.
Sheet Metal—A. DeLucchi Sheet Metal Co., Reno.
Plastering—L. Flyge, Reno.
Tile Work—Reno Tile Co., Reno.
Glass and Glazing—Alpine Glass Co., Reno.
Lumber—Red River Lumber Co., Reno
Grading and Excavation—Earl Games, Reno.
Hardwood Floors—Ted Gerstu Floor-ing Co., Reno.
Brick Work—Smith & Petersen Co., Reno.
Contracts not yet awarded on orna-mental iron, roofing, painting and iron grill work.

Contract Awarded
ALTER RESIDENCE Cost, $4000
SAN FRANCISCO. 100 Locust Street.
Alterations to frame residence.
Owner—Geo. Levison, 100 Locust St.
Architect—Ed. Musson Sharpe, New-hall Building.
Contractor—A. F. Mattock, 212 Clara.

Plans Being Figured—Bids Close June 29.
RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Cal.
One-story and basement frame and stucco residence (5 rooms); tile roof, hot air heating system, hard-wood floors, tile bath, etc.
Owner—L. S. Sayre, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Contract Awarded
RESIDENCE Cost, $4000
ALAMEDA, Alameda Co., Calif. 1811 Pearl Street.
One - story and basement frame and stucco residence (5 rooms).
Owner—Ken J. Sutherland.
Architect—Not Given.
Contractor—P. R. Haulman, 1243 Broadway, Oakland.

To Be Done By Day's Work
RESIDENCES Cost, $3,000 ea.
SAN FRANCISCO. S Hale W Boys-ton.
Two one-story and basement frame and stucco residences.
Owner and Builder—G. Carraro, 750 Felton Street.
Plans by Owner.

Contract Awarded
RESIDENCE Cost, $7000
REDWOOD CITY, San Mateo Co. Cal. 168 Finger Avenue.
Two-story frame and stucco residence (6 rooms, 2 baths).
Owner—A. E. Milne.

Architect—Not Given.
Contractor—M. Klay, Alameda de las Pulgas, Redwood City.

Contract To Be Awarded
RESIDENCE Cost, $18,000
MARIN COUNTY, Calif.
Two-story and basement frame and stucco residence (12 rooms and 4 baths) tile roof, gas heating system, hardwood floors, tiled baths.
Owner—James Adams.
Architect—A. J. Evers, 525 Market St. San Francisco.
Contractor—J. Dawson, 1537 Cedar St. Berkeley.

Sub-Contracts Awarded
RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Calif. 1154 Sunnyhills Road.
Two-story frame and stucco residence (8 rooms).
Owner—Louis De Martini, 1175 Trestle Glen Road, Oakland.
Architect—Not Given.
Contractor—W. J. Monroe, 5538 Claremont Ave., Oakland.
Lumber—Smith Lumber Co. of Oakland, foot of 18th Ave., Oakland.
Mill Work—Paramount Built-In Fixture Co., 1807 E. 12th St., Oakland.
Electric—S. Gustafson, 2433 Masterson St., Oakland.
Plastering—Herman Thorndyke, 2450 E. 21st St., Oakland.
Furnace—M. C. Henry, 1183 53rd St., Oakland.
Plumbing—Ambrose Bros., 206 Chumalla St., San Leandro.
Concrete—P. Barelli, 123 E. 15th St., Oakland.
Hardware—Maxwell Hdwe. Co., 1320 Washington St., Oakland.
Sash & Doors—Western Door & Sash Co., 5th and Cypress, Oakland.
Brick—W. H. Wisheropp, 3749 Quigley St., Oakland.

Bids Rejected.
RESIDENCES Cost, $2250 each
HEALDSBURG, Sonoma Co., Cal.
Three 4-room frame and stucco residences (composition roof, gas heating system, tile floor in bath, hardwood floors, etc.)
Owner—Ben Ratner, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Owner has rejected all bids and projects are held up temporarily.

To Be Done By Day's Work.
RESIDENCE Cost, $——
SAN JOSE, Santa Clara Co., Cal. Ninth St. near San Antonio.
One-story and basement frame and stucco residence (6 rooms).
Owner—Roy Ish, 26th and Santa Clara Sts., San Jose.
Architect—Not Given.

Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
Two-story frame and stucco residence (6 rooms, 2 baths) tiled baths, gas heating system, hardwood floors, etc.; Brittany type.
Owner—Mason-McDuffy Co., 2101 Addison St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.
Masonry—A. A. Johnson, Berkeley.
Structural Steel—Soule Steel Co., 750 Army St., San Francisco.
Tile Work—Brockhurst Tile Co., 2819 Shattuck Ave., Berkeley.
Glass—East Bay Glass Co., 621 6th St., Oakland.
Hardware—B. Simon Co., 639 Broadway, Oakland.
Excavation under way.
As previously reported, plumbing awarded to J. A. Fazio, 2059 Webster St., Oakland; lumber to Smith Lumber Co., foot of 19th Ave., Oakland.

Additional Sub-Contracts
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two-story frame and stucco residence (6 rooms, 2 baths) English Provincial type, tiled baths, hot air heating system, hardwood floors.
Owner F. H. Dobbins, 1655 Euclid Ave., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—W. A. Netherby, 3855 Lyman Road, Oakland.
Masonry—A. A. Johnson, Berkeley.
Structural Steel—Fenestra Const. Co., 63rd and Doyle, Oakland.
Tile Work—Superior Tile Co., 3743 Broadway, Oakland.
As previously reported, plumbing awarded to J. A. Fazio, 2059 Webster St., Oakland; lumber to Smith Lumber Co., foot of 19th Ave., Oakland.

Plans Being Figured—Bids Close June 25th.
RESIDENCE Cost, $——
TIBURON, Marin Co., Calif. Corinthian Island.
Two-story and basement frame and stucco residence (8 rooms, 3 baths social hall and bar) shakes roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Mr. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Completed
RESIDENCE Cost, $4500
MILL VALLEY, Marin Co., Calif.
One-story wood frame residence (3 rooms) terrace, garage, split shake cedar roof, gas floor furnace, hardwood floors, monel metal, etc.
Owner—Ralph Van Derveer.
Architect—Withheld.
Bids will be asked in one week.

Contract Awarded.
RESIDENCE Cost, $7000
OAKLAND, Alameda Co., Cal. No. 853 Rosemount Road.
Two-story frame and stucco residence (6 rooms).
Owner—G. G. Sherwood, 2636 Maxwell Ave., Oakland.
Architect—Not Given.
Contractor—A. Hammarberg, 2340 Le Conte Ave., Berkeley.

Contract Awarded
RESIDENCS Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. 45 Washington Avenue.
Two-story frame and stucco residence.
Owner—E. J. Reed, 833 Forest Ave., Palo Alto.
Architect—Not Given.
Contractor—Aro & Okerman, Box 433, Palo Alto.

Sub-Bids Being Taken.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. E 20th Ave. 290 S Sloat Blvd.
Four one-story and basement frame and stucco residences.
Owner and Builder—A. G. Herzig, 2300 Ocean Ave., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. No. 1176 Sterling Avenue.
One-story frame and stucco residence.
Owner—Glenn R. Haas, 2449 Dwight Way, Berkeley.
Architect — Roland Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Pablo Road, Berkeley.
Grading—J. Henry Harris, 2208 Roosevelt Ave., Berkeley.
Plastering—J. Rinaldi, 836 52nd St., Oakland.
Concrete—Ensor Euel, 2927 Lorina St., Berkeley.
Electric—George Woolf, 795 Alcatraz Ave., Oakland.
Plumbing—C. W. Knights, 1634 Grove St., Berkeley.
Tile—Rigney Tile Co., 3012 Harmon St., Oakland.
Hardware—Berkeley Hardware Co., 2154 University Ave., Berkeley.
Millwork and Lumber—California Mill & Lumber Co., 1829 Webster St., Alameda.
Brick—Hallert & Neal, 2500 65th St., Oakland.
Painting — Hurtig & Lindahl, 1[illegible] Edith St., Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $[illegible]
OAKLAND, Alameda Co., Cal. [illegible]more Road.
One-story and basement frame and stucco residence (6 rooms); Spanish style.
Owner and Builder—Leo J. Dolan, 70[illegible] Wesley Ave., Oakland.
Architect—Not Given.
Lumber—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Sash and Doors—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Millwork—E. K. Woood Lumber Co., Frederick and Kings Sts., Oakland.
Concrete Materials — Henry Cowellin Lime & Cement Co., 81 Franklin St., Oakland.

PLANNED
LOS ANGELES, Calif. — Municipal Housing Commission, Don Tyler, secretary, 417 S. Hill St., has recommended to the Federal government housing division that Reginald D. Johnson, 707 Architects' Bldg., be employed as coordinating architect on the proposed Utah St. housing project, a $3,000,000 improvement project which Federal financing is sought. The commission has also recommended that first consideration be given to the Utah Street project, which would consist of a series of multiple dwellings constructed on Utah St. between 1st and 3rd Sts., and for which preliminary plans have been prepared by a group of twelve Los Angeles architects. A similar project is proposed for a site at Temple and Beaudry Sts. Municipal Housing Commission meets on alternate Tuesdays in the offices of the Los Angeles board of public works, City Hall.

Contract Awarded
ALTER RESIDENCE Cost, $[illegible]
SAN FRANCISCO. 3016 Scott St.
Alterations to 2-story frame and stucco residence (work involves painting, tile work, flooring, etc.)
Owner—Mr. Smith.
Architect—Warren Perry, 260 California Street.
Contractor—J. B. Bourdieu, 2625 [illegible] Street.
Plans will be revised slightly [illegible] construction will be started soon.

Contract Awarded
RESIDENCE Cost, $[illegible]
MODESTO, Stanislaus Co. Cal. Dorking Street.
Two-story frame and stucco residence.
Owner—H. E. Strong, Modesto.
Architect—Not Given.
Contractor—Harry Brown, Laurel [illegible] Modesto.

Sub-Contracts Awarded
RESIDENCE Cost, [illegible]
BERKELEY, Alameda Co., Cal. [illegible]keley Highlands.

w-story frame and stucco residence (6 rooms) Colonial type.
wer—Withheld.
rchitect—Not Given.
ontractor—F. W. Confer, 976 Keeler Ave., Berkeley.
umber—Tilden Lbr. Co., foot of University Ave., Berkeley.
uilding Materials—Golden Gate Stucco & Bldg. Materials Co., Masonic and Brighton Ave., Berkeley.
oofing—W. L. Rideout, 641 Central Ave., Alameda.
lumbing — Suendermann Plbg. Co., 2121 University Ave., Berkeley.
ar—Wilhelm Holst, 2827 Park St., Berkeley.
ontrete—Axel A. Johnson, 1844 Channing Way, Berkeley.

Contracts Awarded

RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. 6217 Acacia Avenue.
w-story frame and stucco residence (6 rooms) English type.
wer and Builder—Henry T. McKalbor, 2231 E. 39th St., Oakland.
rchitect—Not Given.
ainting—Thos. E. Scanlan, 2199 40th Ave., Oakland.
lectric—Diamond Electric Co., 2100 Hopkins St., Oakland.
ort Metal Work—M. C. Henry, 1138 3rd St., Oakland.
lumbing—A. R. Cranston, 2124 San Jose Ave., Alameda.

Work Done By Day's Work.

RESIDENCE Cost, $5000
SAN JOSE, Santa Clara Co., Cal. No. 25 Riverside Drive.
n story and basement frame and stucco residence (6 rooms).
wer and Builder—Ira Brotzman, 5 Garfield Ave., San Jose.
ss by Owner.

Contract Awarded.

RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal. Holshird and Garber Streets.
w-story and basement brick veneer and rustic residence (9 rooms and 3 baths) shingle roof, hot air heating system, hardwood floors, tiled baths, etc.
wer—Ray Vandervort.
rchitect—E. L. Snyder, 2101 Addison St., Berkeley.
ontractor—A. T. Beckett, 224 Scenic Ave., Piedmont.

SCHOOLS

BIDS WANTED

BEARDSLEY, Kern Co., Cal.—Until P. M., June 30, bids will be received by the Beardsley School Dist., Kern county, for additions and alterations to the Beardsley school, in accordance with plans and specifications prepared by Architect Clarence Tamore, 101 Oleander Ave., Bakersfield. Plans may be obtained from the architect upon deposit of $10. Certified check or bond in the sum of $[illegible] must accompany each bid. Lawrence Marston, clerk.

Additional Sub-Contracts Awarded.

COLLEGE BLDG. Cost, $120,000
PULLMAN, Washington. State College Grounds.
Four-story reinforced concrete chemistry building (45 classrooms, laboratories, offices, etc.) brick and tile exterior walls, tile interior partitions, etc.
wner—State of Washington.
rchitect—S. A. Smith, State College, Pullman.
ontractor—A. F. Mowat, McDowell Bldg., Seattle, at $165,650.
rnamental Iron—Jorgensen & Co.
arble—Washington Monumental Cut Stone Co.
andstone—Walker Cut Stone Co.
Mill Work—Johnson Millwork Co., Inc.
Reinforcing Steel—Pacific Coast Steel Company.
Other awards previously reported.

LOW BIDDER

LOS ANGELES, Cal.—Willard Lutz, 1630 Lyman Place, hubmitted low bid to Los Angeles Board of Education, at $67,000, for reconstruction, rehabilitation and strengthening of the State Street School, located on the northwest corner of State and Santa Ana Sts., Huntington Park. Plans were prepared by Holmes & Narver, structural engineers, 639 S. Spring St. and the architectural division of the board. A. S. Nibecker, Jr., architect.

BONDS DEFEATED

PLACENTIA, Orange Co., Cal.—Placentia Union School District, made up of the Orangethrope, Yorba, Richfield and Placentia Grammar School Districts, defeated a $200,000 bond issue June 15, proceeds from which were to have been used for purchasing land and building and equipping the proposed new Valencia high school in Placentia. T. C. Kistner, 814 Architects' Bldg., Los Angeles, architect for the district.

PLANS COMPLETED

LOS ANGELES, Cal.—Los Angeles Board of Education, owner and builder, 761 Chamber of Commerce Bldg., applied for building permit June 18 to reconstruct two-story, 35-room, Class D brick school building at 142 West 75th St. (Seventy-fifth Street School, main building and annex); plans prepared by A. S. Nibecker Jr., architect, 761 Chamber of Commerce Bldg., and Blaine Noice, structural engineer, 5436 Carlton Way; work consists of reconstructing and strengthening the building to conform to new State earthquake code, removing exterior brick walls and replacing same with hollow concrete, adding anchors, strengthening roof, installing new interior walls, doors, etc., adding gunite reinforcing, ressetting plumbing and vents, installing new wrought iron rails, etc. Cost, $91,800.

Bid Opening Date Postponed Until June 27, 2:30 P. M.

REPAIR SCHOOL Cost, $40,000
SAN FRANCISCO. N McAllister St. bet. Franklin and Gough Streets.
Repair to John Swett School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg.
Plans and specifications are available from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit of $25. Bond $1000.

BONDS VOTED

SEBASTOPOL, Sonoma Co., Cal.—Analy Union High School District voted bonds in the amount of $190,000.00 June 19. Funds will be used to finance construction of a two-story reinforced concrete high school building in Sebastopol or for the reconstruction of the present building in Sebastopol. Louis Stone, 354 Hobart St., Oakland, and J. R. Rowell, architects.

Preparing Working Drawings.

LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (3 classrooms); tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
It is expected to ask bids about August 1st.

BIDS OPENED

SAN FRANCISCO. — Pearson and Johnson, 2031 Bryant Street, at $375 submitted low bid to Department of Public Works for the removal of portable school from the Burnett School to the Winfield Scott School. (Emergency bid call.)
Following bids received:

Pearson & Johnson	$375.00
Hanson Bros.	390.00
D. J. & T. Sullivan	400.00

Bids held under advisement.

BIDS WANTED

SAN FRANCISCO. — Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for interior painting of the Grant School, located on Pacific Avenue between Baker and Broderick Streets. Estimated cost $3,000.
Plans and specifications obtainable from the office of C. H. Sawyer, City Architect, Room 265, City Hall.

BIDS WANTED

SAN FRANCISCO. — Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, for interior painting of the Pacific Heights School, located on the northwest corner of Webster and Jackson Sts. Estimated cost $2,500.
Plans and specifications obtainable from the office of C. H. Sawyer, City Architect, Room 265, City Hall.

BONDS VOTED

LINDA, Yuba Co., Cal.—Linda Elementary School District voted bonds in the amount of $7,000 June 18 to finance the construction of a two-room addition to the present school building (4601) 1st report May 31, 1934. * 15

BIDS WANTED

PORTERVILLE, Tulare Co., Cal.—Until June 29, 8 P. M., bids will be received by Boyd B. Kreider, Secretary, Porterville Union High School District, for athletic field protection fence at the high school. Specifications on file at the high school, 420 North Main St., Porterville.

Preparing Plans.

SCHOOL Cost, $40,000
ALBANY, Alameda Co., Cal.
Two-story and basement reinforced concrete high school (10 classrooms).
Owner—Albany High School District.
Architect—Dragon & Schmidts, 3016 Telegraph Ave., Berkeley.
Excavation and concrete foundation work is under way by day's labor under the SERA. Plans for the shell of the building are now in Sacramento awaiting approval. Further details will be announced at a later date.

To Prepare Plans.

IMPROVE SCHOOL Cost, $——
GRIDLEY, Butte Co., Cal.
Improvements and repairs to McKinley School.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
The board of trustees of the Gridley School District will meet with the architect in about one week to discuss necessary improvements and further details will be given after that date.

CONTRACTS AWARDED

FRESNO, Fresno Co., Cal.—Worley & Co., 39 Natoma St., San Francisco, at $1,625 awarded contract by Fresno Board of Education for furnishing and installing 500 lockers, and the Slater Furniture Co., 2300 Tulare St., Fresno at $2.24 each awarded contract for furnishing 1,000 chairs.

Prospective Bidders.
LOCKER ROOM Cost, $10,000
SAN MATEO, San Mateo Co., Cal. High School Site.
One-story frame and stucco locker and shower room 55 by 81.6 feet); composition roofing.
Owner—San Mateo Union High School District (W. H. Eddy, Clerk).
Architect — William Toepke, 74 New Montgomery St., San Francisco.
Following have procured plans. Bids open June 25, 8 P. M.
H. H. Larsen, 64 South Park, San Francisco.
G. W. Williams Co., 315 Primrose Road, Burlingame.
Westerland & Nyland, 2355 28th Ave., San Francisco.
Bessett Building Co., 826 Walnut St., Burlingame.
William Spivock, Hobart Bldg., San Francisco.
V. L. Burt, 279 Sixth Ave., San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
DeLuca & Son, Inc., 1745 Filbert St., San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco.
A. H. Vogt, 250 11th St., San Francisco.
J. Looman, 125 Park Road, Burlingame.
John Antone, 331 Lisbon St., San Francisco.
Specifications are on file in the office of the Board in the High School Building, San Mateo, or may be procured from the Architect.

BIDS OPENED
REPAIR SCHOOL Cost, $7[illegible],000
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Work involves:
(a) Addition of concrete walls and footings around all stair halls from basement to roof; substitution of concrete floor slabs from existing wood joists and wood floor in all stair halls, and addition of concrete slab over entire stair halls at third floor ceiling level.
(b) Addition of structural steel or reinforced concrete portal frames in all corridors on each floor, in boys' and girls' gymnasiums in basement, in study hall and study room on second floor, and other braces where show. Portal frames will brace each pair of interior columns as shown and shall be complete with columns, bracing and other members as indicated on the details.
(c) Additions of structural steel bracing beams at certain points in the building where exterior walls are non-continuous.
(d) Removal of all brick parapet walls, the installation of horizontal and vertical reinforcing rods between structural members, and the rebuilding of the brick and concrete parapet walls, the filling in of certain basement windows, necessary cutting and patching, etc.
(e) The filling in of all voids in exterior terra cotta work with cement mortar, the pointing and cleaning of terra cotta, etc.
(f) All lathing and plastering, rough and finished carpentry, sheet metal, miscellaneous iron work, plumbing, heating and ventilating, electrical work, finish hardware, painting and glazing.
Following bids received:
(1) Work complete using steel bracing
(2) Deduct from main bid if concrete bracing is used:

C. L. Wold, 4416 Fulton St.	(1)	$135,455
	(2)	10,000
H. L. Petersen	(1)	136,399
	(2)	13,320
F. C. Amoroso & Sons	(1)	139,987
	(2)	13,364
Anderson & Ringrose	(1)	142,260
	(2)	8,000
Monson Bros.	(1)	146,700
	(2)	9,000

Bids held under advisement.

Prospective Bidders.
ADDITIONS Cost, $6000
ALAMEDA, Alameda Co., Cal. Central Avenue and Oak Street.
Reinforced concrete and steel shop building addition to Alameda High School.
Owner—Alameda High School District
Architect—Carl Werner, 1303 Bay St., Alameda.
Following have procured plans. Bids open June 26, 8 P. M.:
Mark Bristol & Co., 1038 McKinley St., Oakland.
David Nordstrom, 4150 Emerald St., Oakland.
W. E. Lyons, 354 Hobart St., Oakland.
William Spivock, Hobart Bldg., San Francisco.
W. G. Thornally, 354 Hobart St., Oakland.
A. Cederborg, 1455 Excelsior Avenue. Oakland.
Albino Constr. Co., 1320 Albino Ave., Berkeley.
Villadsen Bros., 1140 Windsor Ave., Piedmont.
Willis F. Lynn, 1037 Ashmount Ave. Oakland.
Lindgren & Swinerton, 225 Bush St., San Francisco.
C. H. Thrams, 28 Home Place, Oakland.
John E. Branagh, 116 Monticello Ave. Oakland.
Plans and specifications available from Wm. C. Paden, Secretary, Alameda Board of Education, Administration Bldg., Oak St. and Alameda Ave., Alameda, upon deposit of $25.

CONTRACT AWARDED
SAN FRANCISCO—Lee Dixon, 18 Eureka St., at $1468 awarded contract by Department of Public Works for interior painting of the Washington Irving School, Broadway, between Sansome and Montgomery Sts. Following bids received:

Lee Dixon	$1468
Faggioni Co. Studios	1698
W. G. Thompson	1900
Raphael Company	2145
American Building Maintenance	2194
R. P. Poali	2090

Bids held under advisement.

Plans Being Completed.
SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Cal.
One-story concrete elementary school building (six classrooms) concrete exterior walls, flat roof, steam heating system, maple and linoleum floors, etc.
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans will be forwarded to Sacramento for approval about July 1.

Being Done By Day's Work
ADDITION Cost, $2000
VALLEJO, Solano Co., Calif.
One classroom addn. to Curry School.
Owner—Vallejo School District (E. L. Cave, Supt. of Schools) Vallejo.
Plans by School Department.
Work is being done by day's labor by the school repair department.

PLANS APPROVED.
LOS ANGELES, Cal.—Los Angeles board of education has adopted working drawings for reconstructing, rehabilitating and strengthening a tw story, class D, brick school at 309 1 67th St. (66th Street school). Ti work will include installation of a ditional columns, reinforcing stee steel guy rods, brick and concr work, welding, gunite exterior, ne windows, sash, etc. Cost, $30,00 Gene Verge, 802 Beaux Arts Bldg Architect, and S. B. Barnes, 803 V 3rd St., Engineer.

PRELIMINARY PLANS APPROVEI
LOS ANGELES, Cal.—Los Angel board of education has approved pr liminary plans for the new gymn sium building to be built at the L Angeles junior college, 855 N. Ve mont Ave. Plans are being prepar ed by Architects Allison & Allis 1014 Edison Bldg. Cost, $100,000.

PRELIMINARY PLANS APPROVEI
LOS ANGELES, Cal.—Los Angel board of education has approved pr liminary plans for a new 24-unit bld to be built at the David Starr Jord high school site, 2265 7. 103rd Stree Plans are being prepared by Archi tect Sumner P. Hunt, 701 Laughli Bldg. Cost, $161,280.

PLANS COMPLETED
LOS ANGELES, Cal.—Architect 7 C. Kistner, 814 Architects Bldg., Lo Angeles has completed working draw ings and plans are being checked h the State Architect for reconstructin rehabilitating and strengthening th auditorium building at the Excelsio Union high school for the Excelsio Union High School District. Cost $80,000.

PREPARING PLANS
SANTA ANA, Orange Co., Calif.—Architects Allison & Allison, 1014 Ed ison Bldg., Los Angeles, have work ing drawings 50% complete for a nev main building and auditorium to b built on the Santa Ana high schoo site for the Santa Ana board of edu cation.

COMPLETING PLANS
ONTARIO, San Bernardino Co., Cal —Architects Allison & Allison, 101 Edison Bldg. Los Angeles, have work ing drawings 50% complete for a nev library building to be built at Chaf fey junior college, Ontario, for th Chaffey Jr. College and High Schoo District. The building will contain repository for books, reading roon with a capacity of 200, high schoo reading room with a capacity of 100 periodical room, etc. Cost, $65,000.

PLANS COMPLETED
SEAL BEACH, Orange Co., Cal.—Architects Marsh, Smith & Powell 816 West 5th St., Los Angeles, have completed working drawings for a new school building to be built at the Seal Beach elementary school site for the Seal Beach Elementary School District. The building will be a one-story structure, containing 10 classrooms, kindergarten, library, administrative offices and auditorium. The plans will be sent to the state architect for check next week. Cost, $65,000.

BOND ELECTION
MONROVIA, Los Angeles Co., Cal —Monrovia City School District has called an election for September 25 at which time it is proposed to vote bonds to be used for strengthening and rehabilitating Monrovia grammar school buildings. Under the proposed rehabilitation program, Wild Rose school would be reconstructed at an estimated cost of $15,000; a new six-room, steel frame building would be erected at Huntington at a cost of $29,400, and a similar structure would be erected at the Orange Avenue site

to cost $25,400. These figures, totaling $70,753, can be cut down considerably by eliminating some features of the proposed new structures in order to bring the cost within the bonding capacity of the district, which is limited to $65 000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

BIDS WANTED

TUSTIN, Orange Co., Calif.—Until 5:00 p. m., June 28, bids will be received by the Tustin Elementary School District for the reconstruction of the Tustin elementary school building. Separate bids will be received as follows: (1) general reconstruction; (2) plumbing; (3) plastering; (4) painting. Bids are to be delivered to the office of Architect Frank Lansdown, 214 Commercial Bldg., Santa Ana, from whom plans may be obtained upon deposit of $25. J. J. Woodward, clerk.

PLANS COMPLETED

BEVERLY HILLS, Los Angeles Co., Calif.—Architect Ralph C. Flewelling, 9441 Wilshire Blvd., Beverly Hills, has completed plans for three new buildings to be built at the Hawthorne school site, Beverly Hills, for the Beverly Hills board of education. The structure will consist of a kindergarten building, 32x60 feet; manual training quarters, 32x60 feet, and a cafeteria, 32x90 feet. Construction will be steel frame, gunite walls, steel studs, metal lath and plaster partitions, steel windows, hollow metal doors, metal trim, tile roofing ,steam heating, wood block and linoleum floors, etc. Bids will be called soon. Cost $37,000.

Bids Wanted—To Close June 29, 8 P. M.

ADDITION Cost, $——
SANTA ROSA, Sonoma Co., Cal. High School.
One-story reinforced concrete addition to high school shop (67x100 feet); steel trusses, composition roof, brick veneer, concrete floors, etc.
Owner—Santa Rosa High School Dist. (Sara A. Pryor, Secretary).
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans and specifications available from the architects upon deposit of $20. Following have procured plans.
Louis Halvorsen, Santa Rosa.
Young & Horstmeyer, 461 Market St., San Francisco.
DeLuca & Son, Inc., 1745 Filbert St., San Francisco.

PLANNED

RICHMOND, Contra Costa Co., Cal.—Richmond Union High School District is considering calling for plastering bids for the Roosevelt Junior High School. Work is to be done in connection with the rebuilding and reinforcement of the junior high school. Louis Stone, 98 Ramona St., Piedmont, architect. E. J. Freethy, 1201 Roosevelt Ave., Richmond, Supt. of Construction. Further details will be announced within a few days.

BIDS WANTED

SANTA ROSA, Sonoma Co., Cal.—Until June 29, 8 P. M., bids will be received by Sara J. Pryor, Secretary, Santa Rosa Board of Education, for an addition to the high school shop building. Plans prepared by Architects Herbert & Caulkins, Rosenberg Bldg., Santa Rosa. Plans and specifications may be obtained from Clerk of the Board upon deposit of $20.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved working drawings for repairing and strengthening the Naples Avenue School, located on The Toledo St., east of Venetian Drive, Long Beach. Plans were prepared by Architect Watson L. Hawk, 376 Newport Ave., Long Beach, and Engineer Laurence J. Waller, 600 Kress Bldg., Long Beach. The work will consist of reinforcing the walls with gunite, etc.

BIDS WANTED

COALINGA, Fresno Co., Cal.—Until June 28, 7:30 P. M., bids will be received by F. J. McCollum, Clerk, Board of Trustees, Coalinga Union High School District for wrecking all existing structures and connecting passage, the salvaging and removal of all wrecked material from premises of the Coalinga High School.
Specifications and bid form may be obtained at the office of the Clerk or from the office of Architect W. D. Coates, 626 Rowell Bldg., Fresno.

Contract Awarded

ADDITION Cont. Price, $23,362
ROSEVILLE, Placer Co., Cal. Vermont Street.
Additions to concrete Vernon Street elementary school building (add 3 classrooms and lunch room) and additions to concrete brick and tile elementary school (add two classrooms and lunch rooms).
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Contractor—M. R. Peterson, Colfax.

Plans Being Completed.

SCHOOL Cost, $——
ROSEVILLE, Placer Co., Cal.
One-story brick elementary school building (9 clasrooms and lunch room); Woodbridge School.
Owner — Roseville Elementary School District (Pete Priest , Clerk).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Bids will be asked in about two weeks.

Plans Being Prepared.

SCHOOL Cost, $9000
DUNNIGAN, Yolo Co., Cal.
One-story wood frame grammar school (2 classrooms).
Owner—Dunnigan School District (H. E. Saunders, Clerk).
Architect — Chas. Dean, California State Life Bldg., Sacramento.
Bonds in the amount of $9000 were recently voted to finance construction

Planned.

ADDITION Cost, $——
VALLEJO, Solano Co., Cal. Curry School.
One-story frame classroom addition (24x32 feet).
Owner—Vallejo School District.
Architect—Not Selected.

BIDS WANTED

PASADENA, Cal.—Until 11 A. M., June 26, bids will be received by the Pasadena Board of Education for strengthening and altering the Jackson School on Atlanta St., between Casitas Ave. and Spaulding Place, Altadena. Plans were prepared by Architects Marston & Mayburg, 25 S. Euclid Ave., Pasadena. The structure will be reinforced with gunite and concrete work. Plans are available at 320 E. Walnut Ave., Pasadena, upon deposit of $25. Cost, $100,000.

PREPARING PLANS

LYNWOOD, Los Angeles Co., Cal.—Architects Marsh, Smith & Powell, 816 W. 5th St., Los Angeles, are preparing working drawings for reconstructing, strengthening and rehabilitating buildings at the Charles Lindberg, Abraham Lincoln and George Washington schools, and a new building replacement at the Woodrow Wilson school, for the Lynwood Elementary School District. Plans for the Wilson school are being rushed and bids will be advertised for soon. Cost $200,000.

PLANS COMPLETED

LOS ANGELES, Cal.—Architect T. C. Kistner, 814 Architects' Bldg., Los Angeles has completed working drawings and plans will be sent to the State Architect for check next week for an auditorium building to be built at the Norwalk elementary school site for the Norwalk School District. The plans for the classroom unit are now being checked by the State Architect. The auditorium building will be of Class B construction with a seating capacity of 800 persons. The classroom unit will be of Class C construction, containing 7 classrooms, 5 special rooms, administration suite, concrete walls, wood floors, etc. Cost $160,000.

PREPARING PLANS

ANAHEIM, Los Angeles Co., Cal.—Architect T. C. Kistner, 814 Architects' Bldg., Los Angeles, is preparing working drawings for the erection of a permanent high school building to replace temporary quarters now in use at the Anaheim high school, for the Anaheim Union High School District. The building will contain an auditorium with seating accommodations for 1600 persons, library, study hall, administration offices and sixteen classrooms. Cost, $275,000.

Bond Election

REPAIR SCHOOL Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
An election is being held on July 6 to vote bonds in the amount of $18,000 to finance construction.

Plans Being Prepared

SCHOOL Cost, $39,000
FRUITVALE, Kern Co., Calif.
One-story reinforced concrete school building (4 classrooms) concrete filler walls ,composition roof, maple floors, low pressure steam heat, etc.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.
An election will be called shortly to vote bonds to finance construction.

PLANNED

DAVIS, Yolo Co., Cal.—Davis High School and Grammar School Districts are planning have a report and estimates made of the necessary repairs and improvements to the buildings to conform to the State standards. Further details will be announced shortly. Homer Cornick is the principal of the school.

CONTRACT AWARDED

SAN FRANCISCO.—Gill-Mann Co., 629 Fulton St., at $3,777.74 awarded contract by the Department of Public Works for furnishing and installing new blackboards in Denman Grammar School, Pierce Street between Fell and Hayes. Complete bids published June 14.

BIDS WANTED

SAN FRANCISCO.—Until June 27, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for interior painting of the Hancock School, Filbert Street between

Taylor and Jones. Estimated cost is $2,500. Bond, $625. Plans and specifications may be obtained from City Architect C. H. Sawyer, City Hall. No deposit required.

Sub-Contracts To Be Awarded
RECONSTRUCT. Cont. Price, $61,290
SAN FRANCISCO. Seventh Avenue between Irving and Judah Sts.
Reconstruction of the Laguna Honda School.
Owner—City and County of San Francisco.
Engineer—Ellison and Russell, Pacific Building.
Contractor—William Spivock, Hobart Building.
Reinforcing Steel—Truscon Steel Co., Atlas Bldg., $1,765.
Travertite Concrete—Sculptors' Work Shop, 121 14th St., $6,000.
Structural Steel—Fair Mfg. Co., Monadnock Bldg., $5,900.
Miscellaneous Iron—Monarch Iron Works, 262 7th St., $288.
Mill Work — Anderson Bros. Planing Mill, Quint and Custer Sts., $1,222
Mastipave—Malott & Peterson, 20th and Harrison Sts., $75.
Tile—Donlon - Fratessa, 66 12th St., $503.
Lathing and Plastering—M. J. King, 666 Mission St., $6,886.
Sheet Metal—Wieland & Kolthoff, 2194 Fosom St., at $1864.
Roofing—Roofing Service Co., 7 Front St., $97.
Window Fixtures — Hauser Window Co., 1370 Harrison St., $92.
Stairs and Safety Treads—J. D Cristina & Son, 3150 18th St., $812.
Glass—W. P. Fuller & Co., 301 Mission St., $505.
Wrecking — Emsco Concrete Cutting Corp., 260 Cementina St., at $2411

Hardware Contract Awarded
DORMITORIES Cost, $300,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Compus (Lagunitas Court).
Group of two-story frame and stucco buildings (four dormitories accommodating 50 women) two dining rooms, large kitchen, administration building and servants' quarters, tile roof, steam heating extension from main plant, etc.
Owner—Stanford University.
Architects — John Bakewell, Jr., and Arthur Brown, Jr., associated, 251 Kearny St., San Francisco.
Mgr. of Const.—George Wagner, 181 South Park, San Francisco.
Hardware—Maxwell Hdwe. Co., 1320 Washington St., Oakland.
Other awards previously reported.

COMMISSIONED TO PREPARE Plans
HUNTINGTON PARK, Los Angeles Co., Calif. — Architect George M. Lindsey, 6305 Yucca St., commissioned by Los Angeles board of education to prepare plans and specifications, including preliminary drawings, for new administration and cafeteria building replacements at the Huntington Park high school site, 6020 Miles Ave., Huntington Park. Cost $200,000.

PLANS APPROVED
LOS ANGELES, Calif. — Los Angeles board of education has approved working drawings prepared by Architect Parker O. Wright, Black Bldg., for reconstructing, rehabilitating and strengthening the Figueroa Street school, 11,115 S. Figueroa St. work will consist of removing the brick walls and rebuilding of reinforced concrete; the auditorium will be of steel frame, metal studs and gunite walls. David H. Merrill, 580 I. W. Hellman Building, structural engineer.

BIDS WANTED
SAN PEDRO, Los Angeles Co., Calif.—Until 11:00 A. M., July 2, bids will be received by Los Angeles board of education for reconstructing, rehabilitating and strengthening the main building at the Cabrillo Avenue school site, 732 Cabrollo Ave., San Pedro. Building is a two-story, class D, brick structure. Plans were prepared by Edward Cray Taylor, architect, and Ellis Wing Taylor, the structural engineer, 803 W. 3rd St., Los Angeles. Cost. $50,000.

PLANS APPROVED
BRENTWOOD, Los Angeles Co,, Calif.—Los Angeles board of education has approved working plans prepared by Architect Harold S. Johnson, 1102 Architects' Bldg., for reconstructing, rehabilitating and strengthening the main building at the Brentwood school, 740 Amherst St., Brentwood Heights, Los Angeles. Harold A. Nelson, structural engineer 236 S. Lapeer Dr., Beverly Hills. Cost $33,589.

COMMISSIONED TO PREPARE PLANS
SAN PEDRO, Loa Angeles Co., Cal. —Architect Gordon B. Kaufmann, 610 Union Bank Bldg., has been commissioned by board of education to prepare working drawings and specifications, including preliminary drawings, for new buildings to be erected at the new San Pedro high school site, located on the southeast corner of 15th and Leland Sts., San Pedro.

To Ask Bids Shortly.
SCHOOL Cost, $315,000
CORVALLIS, Oregon.
Three-story brick high school (brick facing; classroom, auditorium, gymnasium and locker rooms.
Owner—Corvallis Union High School District.
Architect — Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.
It is expected to ask bids within thirty days.

16—BANKS, STORES AND OFFICES

Contract Awarded
ALTER STORE Cost, $2,000
SAN FRANCISCO. 771 Market St.
Alterations to store building.
Owner—I. Bartel, 771 Market St.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch Street.

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 140 Sansome Street.
Alterations to offices and lofts.
Owner—John Brockell & Co.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—D. L. Bienfield, 666 Mission St., San Francisco.

Construction Postponed Indefinitely.
OFFICES AND LOFTS Cost, $——
SAN FRANCISCO. Market Street.
Three-story reinforced concrete loft and office building (3 elevators, steam heating system, etc.)
Owner—Withheld.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.

Lumber Contract Awarded
ADDITION Cost, $30,000
OAKLAND, Alameda Co., Calif. 7306 East 14th Street.
Alterations and additions to two-story frame building (add room, etc.)
Owner—A. R. Rosa, 7300 E. 14th St., Oakland.
Plans by Owner.
Lumber—Sunset Lumber Co. 400 High St., Oakland.
Work is under way by owner.

Contract Awarded
ALTERATIONS Cost, $1500
SAN FRANCISCO. 1451 Stockton St.
Alterations to store building.
Owner—Bank of America, 625 Market Street.
Plans by Engineering Dept. of Owner.
Contractor — Langfelder Shuster, 280 Wawona Street.

SUB-CONTRACTS AWARDED
LOS ANGELES, Calif. — Clinton Construction Co., 1103 Spring-Arcade Bldg., reports subcontracts for the three-story and basement, class A reinforced concrete store building it has under construction at 6608-10 Hollywood Boulevard, for S. H. Kress and Company, awarded as follows: Lumber to Consolidated Lumber Co.; structural steel to McClintic-Marshall Corp.; reinforcing steel to Soule Steel Co.; plastering to Chas T. Gates; electrical work to Joseph Korb; rock and sand to Woods Rock & Sand Co.; plumbing, heating, ventilating and sprinkling system to Lohman Bros.; glass to Townsend Glass Co.; bronze work to Cochran-Izant, Ltd.; miscellaneous iron work to Western Ornamental Iron Works; piling to Raymond Concrete Pile Co.; excavating to Bert Calvert; marble to Musto-Keenan Co.; millwork to W. J. Glasson Planing Mill; kalamein doors to Probert Mfg. Co.; painting to J. P. Carroll Co. Excavating was started this week. Edward F. Sibert, 114 Fifth Ave., New York City, is the architect.

Contracts Awarded.
OFFICES Cont. Price, $31,213
STOCKTON, San Joaquin Co., Cal. NE Center and Rose Streets.
One-story and basement reinforced concrete highway office bldg. for State Highway Division (tile roof).
Owner——State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—John J. Cavanagh, 219 N. Sutter St., Stockton.
Electric — Eddy Electric Co., 309 E. Weber St., Stockton, at $2378.
Plumbing—Carpenter & Mendenhall, 907 Front St., Sacramento, at $2650
Heating and Ventilating—Carpenter & Mendenhall, 907 Front St., Sacramento, at $6060.

To Be Done By Day's Work.
ALTER OFFICES Cost, $1500
SAN FRANCISCO. No. 405 Montgomery Street.
Alterations to office building.
Owner — California Montgomery Co., Premises.
Architect—Not Given.

Planned
ALTER STORE Cost, $——
FAIRFIELD, Solano Co., Calif.
Improvements to store bldg. (painting, kalsomining, re - decorating, partition work, etc.
Owner—Safeway Stores (John Manuel, local manager).
Architect—Not Given.
Bids will be taken from local contractors shortly.

To Be Done By Day's Work
ALTERATIONS Cost, $1500
SAN FRANCISCO. 160 Sansome St.
Alterations to office building.
Owner—Blanche Ryer Nixon, Santa Barbara.
Architect—Not Given.

ontract Awarded.
TORE Cost, $3000
AN JOSE, Santa Clara Co., Cal. No. 88 Post Street.
ne-story frame store building.
wner—City Store.
rchitect — Binder & Curtis, 35 W. San Carlos St., San Jose .
ontractor — E. Nommenson, 315 S. 17th St., San Jose.

ub-Contracts Awarded.
TORE Cost, $150,000
EATTLE, Washington. SW Third and Pike Streets.
lterations and additions to store building (work includes partition changes, new front terrazzo, floors, heating, sprinkling and ventilating systems, elevator changes, demolishing of stone on Third Ave., tile work, plate glass, store fixtures, electrical fixtures, marble, etc.)
wner—S. H. Kress Co., 215 Pike St., Seattle.
ans by Engineering Dept. of Owner.
ntractor — Hoard Engineering Co., McDowell Bldg., Seattle.
Structural steel to Isaacson Iron orks; ornamental iron to Novelty rnamental Iron & Wire Works; ecial brick to Gladding-McBean Co. ass to W. P. Fuller & Co.; painting Charles Swanson; plumbing, heat- g and ventilating to W. E. Beggs .; lumber to Lakewood Lumber & pply Co.; terrazzo to Northwest arble & Terrazzo Co.; marble to Art arble Co.; roofing to John Manville .; waterproofing, cement, common ick, hardware to Lakewood Lum- r & Supply Co.; wiring and fixtures O. A. Carlson Electric Co., and tile University Brick & Tile Co.

ntracts Awarded
LTERATIONS Cost, $2000
N FRANCISCO. SW Pine and Battery Streets.
erations to offices.
ner—Anna Meloy Donahoe, et al, 210 Securities Bldg., Seattle.
gineer—Frederick Whitton, 369 Pine Street.
istering—Herman Bosch, 2075 Folsom Street.
umbing & Steam Heating—O'Mara & Stewart, 218 Clara Street.
rpentry—J. D. Hannah, 251 Kearny.
ectric—Victor Lemoge, 281 Natoma.
initng—Union Paint Co., 3011 Steiner Street.

n Contract Awarded
TER OFFICES Cost, $——
N FRANCISCO. 942 Market St.
erations to offices (work includes plumbing, electrical work, carpentry, iron work, etc.)
ner—Metropolitan Life Insurance Company.
gineer—Frederick Whitton, 369 Pine Street.
n—Peerless Orn. Iron & Bronze Co. Inc., 1528 Folsom Street.
s previously reported roofing con- ct awarded to Alta Roofing Co., 9 Indiana Street.

ntract Awarded.
TER STORE Cost, $3000
LO ALTO, Santa Clara Co., Cal. No. 2307 El Camino Real.
erations to store building.
ner—P Merrill, H. B. Smith and R. W. Evans.
chitect—Not Given.
ntractor—Joe Vila, 1207 Solano Ave., Albany.

nstruction To Start Immediately.
TER BLDG. Cost, $15,000
KLAND, Alameda Co., Cal. No. 1560 Broadway.
erations to First National Bank Building (remodel exterior, new terra cotta front, etc.)
Owner — First National Bank, 1560 Broadway, Oakland.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Contractor — David Nordstrom, 4150 Emerald St., Oakland.
As previously reported, terra cotta contract awarded to Gladding, McBean Co., 22nd Market Sts., Oakland. Other awards will be made shortly.

Contract Awarded
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Calif. 1736 Franklin Street.
Alterations to store building.
Owner—Franklin California Realty Co.
Architect—Not Given.
Contractor—Oscar Soder, 1576 Alice St., Oakland.

Marble Contract Awarded.
ENTRANCE Cost, $——
SAN FRANCISCO. Geary St. near Stockton St.
Alterations and additions to entrance of building (marble work, etc.)
Owner—Owl Drug Company.
Plans by Engineering Dept. of Owner.
Contractor — Louis C. Dunn, Monadnock Bldg., San Francisco.
Marble — Eastman Marble Co. ,209 Mississippi St., San Francisco.

Sub-Contracts Awarded.
STORE Cost, $40,000
VALLEJO, Solano Co., Cal. SW Georgia and Sacramento Sts.
Two-story and basement reinforced concrete and steel store building.
Owner—Jack Castagnoli, 1235 Georgia St., Vallejo.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Lessee—Sears Roebuck Company.
Contractor—David Paganini, 519 California St., San Francisco.
Grading—R. McGill, Vallejo.
Structural Steel—Herrick Iron Works, 18th and Campbell Sts., Oakland.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.
As previously reported, electrical work awarded to Ed. Price Electrical Co., Vallejo, at $4000.

Sub-Contracts Awarded.
REMODEL BLDG. Cost, $5000
SAN FRANCISCO. NE Geary and Stockton Streets.
Remodel store building.
Owner—Owl Drug Co., 657 Misslon St. San Francisco.
Plans by Engineering Dept. of Owner in the East.
Agents—Gore & Crossman, Inc., 310 Kearny St., San Francisco.
Contractor — Louis C. Dunn, Monadnock Bldg., San Francisco.
Tile Work — Ginsberg Tile Co., 540 Turk St., San Francisco.
Electric — Porter Electric Co., 1500 Church St., San Francisco.
Marble—Eastman Marble Co., 209 Mississippi St., San Francisco.

17— THEATRES

Bids Opened
THEATRE Cost, $70,000
PITTSBURG, Contra Costa Co., Cal.
One-story and balcony structural steel and reinforced concrete theatre (to seat 1000) composition roof, steam heating system, etc.
Owner—Withheld.
Architect—F. F. Amandes, 1879 16th Ave., San Francisco.
Low Bidder—Horace J. Slino, 710 Black Diamond St., Pittsburg.
Following bids received:

H. J. Slino, Pittsburg	$48,888.00
J. E. Seeno, Pittsburg	49,477.39
Jas. McLaughlin, S. F.	51,108.00
Aetna Const. Co., C. F.	54,276.00
H. J. Christensen, Oakland	59,983.00
A. J. Hopper, Piedmont	61,500.00

Bids held under advisement. Electrical bids will be asked at a later date.

18—WHARVES & DOCKS

FIRE LOSS
ALAMEDA, Cal.—Fire destroyed the freight slip of the Santa Fe and Western Pacific Railways located at the foot of Sherman St., Alameda, June 20. Damage estimated at $50,000.

19—MISC. CONSTRUCTION

Bids Rejected—New Bids To Be Asked
SWIMMING POOL Cost, $4000
NEVADA CITY, Nevada Co., Cal. Park Avenue.
Municipal swimming pool (50x125 ft.) tile scum trough, five foot cement walk around pool, fencing, etc.
Owner—City of Nevada City.
Engineers—E. C. Uren, Nevada City.
On previous bid opening lowest bid was submitted by A. Soda & Son, 1077 65th St., Oakland, at $3943.
New bids will be asked at a later date.

CONTRACT AWARDED
SAN FRANCISCO.—Michel & Pfeffer Iron Works, Harrison and Tenth Streets, at $113.00 awarded contract by Department of Public Works for the construction and placing of sheet metal dipping tank at the school department warehouse, Harrison Street between 10th and 11th Streets. Complete bids published June 14.

CONTRACT AWARDED
OAKLAND, Cal.—Bos Construction Co., 1912 E-26th St., Oakland, at approximately $3000 awarded contract by Chevrolet Motor Co., 69th Ave. and Foothill Blvd., for the construction of a steel conveyor at 6901 Foothill Blvd.

CONTRACT AWARDED
LUALUALEI, T. H.—Max W. Moody, Honolulu, at $33,000 awarded contract by the Bureau of Yards & Docks Navy Dept., Washington, D. C., for constructing foundations for radio towers at Lualualei, T. H., under Spec. No. 7523.

BIDS OPENED
McNEIL ISLAND, Wash.—Automatic Electric Co., 1003 W. Van Buren St., Chicago, at $19,799.83 submitted the only bid to the Department of Justice, Washington, D. C., June 12, under Sched. 1011, for a private interior telephone exchange at the U. S. Penitentiary at McNeil Island. A bid of $725 for five years' maintenance was also submitted by the Automatic Electric Co.

BIDS OPENED
SAN MATEO, San Mateo Co., Cal. —Jos. Anderson, 609 Bayswater, Burlingame, at $460.00 submitted low bid to San Mateo city council for moving the A.M.E. Zion church, located on E. Monte Diablo Ave. to a block east. Other bids were:

C. E. Archibald, Redwood City	$465.39
Hanson Bros., San Francisco	495.00

Bids held under advisement.

BIDS WANTED
SAN BERNARDINO CO., Cal.—Until July 12, 2 P. M., bids will be received by the State Highway Engineer, Room 808 State Bldg., Los Angeles, for the cleaning and painting of one overhead crossing over the tracks of the A. T. & S. F. Railway, in San Bernardino, consisting of a steel and concrete viaduct 1,016 ft. in length.
The work requires one lot cleaning and painting three coats on entire steel surface of structure.
Plans and specifications obtainable

from the State Highway Commission, Public Works Building, Sacramento, and on file at the District Engineer's office in Los Angeles and San Francisco.

COMPLETE BID LISTING

FORT PECK, Mont.—A. S. Schulman Electric C ., 537 S. Dearborn St., Chicago, at $398,478.34, as previously reported, submitted low bid to the U. S. Engineer Office, Kansas City, Mo., for the construction of the Fork Peck Dam Electrical Distribution System for No. 7 Circuit and Dredge Feeders, constructing the river crossing with A. C. S. R. conductor cable. An alternate bid of $411,500.60 was submitted for constructing the river crossing with concentric-lay composite conductor cable. Complete bids follow:

A. S. Schulman Electric Co., 537 Dearborn St., Chicago, $398,478.34; (Alternate) $411,500.60.

G. L. Tarlton, Ambassador Building, St. Louis, $476,738.68; $490,474.76.

P. O'Brien Montgomery, 3125 Knox St., Dallas, Texas, $494,789.07; $508,-169.87.

Morrison-Glasscock-Connor Co., 1822 Main St., Kansas City, Mo., $531,378.-71; $545,691.16.

W. A. Ross Const. Co., 908 W. 25th St., Kansas City, Mo., $616,042.78; $623,680.82.

A complete tabulation of the unit bids is on file at the office of the PACIFIC CONSTRUCTOR.

Additional Sub-Contracts Awarded.

RACE TRACK Cost, $140,000

SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).

Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.

Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.

Architect — Maury I. Diggs, 364 14th St., Oakland.

Contractor—Cahill Bros., 206 Sansome St., San Francisco.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

Concrete Materials—H. E. Casey Co., San Mateo.

As previously reported, roofing was awarded to Alta Roofing Co., 976 Indiana St., S. F.; structural steel to McClintic-Marshall Corp., 2050 Bryant St., San Francisco.

LOW BIDDER

FORT PECK, Mont.—A. S. Schulman Electric Co., Chicago, at $398,-478.34 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., June 13 for construction of an electrical distribution system at the Fort Peck dam site.

BIDS WANTED

PORTLAND, Ore.—Until June 27, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Major C. F. Williams, District Engineer, under Spec. No. 34-744, for constructing and delivering afloat, ready for service, at Government moorings, No. 8010 NW. St. Helens Road, Portland, one 45-foot wooden gasoline motor - driven twin-screw tunnel boat, for the Bonneville Power & Navigation Project.

Plans and specifications obtainable at the U. S. Engineer Office, 407 Customhouse, Portland.

PLANNED

LIVE OAK, Sutter Co., Cal.—City of Like Oak is considering constructing a swimming pool. A committee composed of A. H. Rutherford, H. L. Stafford, K. E. Covington, J. L. Anderson and L. C. Tipton, were appointed on a committee to make an investigation.

BIDS OPENED

SAN FRANCISCO.—Healy - Tibbitts Const. Co., 64 Pine St., at $28,792 submitted low bid to the Constructing quartermaster, Fort Mason, for repairs to fender piling and to concrete piers and decks on Piers No. 1, 2 and 3 at Fort Mason. Following bids received:

(1) fender piling;
(2) concrete patching.

Healy-Tibbitts Co.	(1)	$28,792
	(2)	9,660
Ben C. Gerwick	(1)	$31,679
	(2)	10,152
Duncanson-Harrelson Co.	(1)	$31,985
	(2)	9,500
M. B. McGowan	(1)	$38,851
	(2)	10,486
A. W. Kitchen	(1)	$43,250
	(2)	.....

Bids held under advisement.

BIDS WANTED

BERKELEY, Alameda Co., Calif.—Until July 5, 2 P. M., bids will be received by the Berkeley Board of Education for wrecking the home economics building at the Grove and Oak Street High School Site.

June 16, 1934

Contract Awarded

POOL Cost, $——

MODESTO, Stanislaus Co., Cal. Magnolia Street.

Concrete swimming pool (35x70 feet) filtration system, etc.

Owner—Warren Tilson, Modesto.

Architect—G. N. Hilburn, 1312 I St., Modesto.

Contractor—Harry Brown, Laurel St., Modesto.

BIDS WANTED

SACRAMENTO, Cal.—Until June 29 3:30 P. M., bids will be received by the American River Flood Control District, C. H. Merry, Secretary, Rm. 410, State Bldg., Sacramento, for the construction of flood retaining wall and plant building, Station 160 plus 20 to Station 163 plus 70 south levee, Sacramento. The work includes reconstruction of a sand plant building.

Work involves:

(1) 133 cu. yds. Class A portland cement concrete;
(2) 35 cu. yds. Class B do;
(3) 559 cu. yds. Class C do;
(4) 26,500 lbs. reinforcing steel;
(5) 1 lot misc. items of work;
(6) Building construction.

Plans and specifications obtainable from J. E. Spink, Assistant Engineer, upon deposit of $5.00, and at the office of the District, Room 926, Forum Bldg., Sacramento.

BIDS WANTED

PEARL HARBOR, T. H.—Bids are being received (date to be set shortly) by Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the re-erection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor, T. H. Spec. No. 7641. Plans and specifications may be obtained from above office and from the Commandant, 14th Naval District, Navy Yard, Pearl Harbor, and from Commandant, 12th Naval District, 100 Harrison St., San Francisco, upon deposit of $10.00.

Bids Opened

RADIO STATION Cost, $——

FRESNO, Fresno Co. Cal. Fresno City Airport.

One-story radio station at the Fresno city airport.

Owner—U. S. Government (Department of Commerce, Aeronautics Branch).

Plans by Engineering Dept. of Owner at Fresno.

Low Bidder—Niel & Wirtner, Turlock, $3,356.25.

Following bids received:

Neil & Wirtner, Turlock	$3,356.25
Jackson Const. Co., San Bernardino	3,384.50
T. C. Irwin, Fresno	4,623.25

Bids held under advisement.

PLANNED

LOS ANGELES, Calif. — Stanton Reed Co., 816 W. 5th St., will build a wood bicycle track in the Gilmore Stadium, at the corner of Beverly Blvd. and Fairfax Ave., for the California Six-Day Bicycle Race Assn., Ltd. Plans were prepared by architects Hibbard, Gerity & Kerton, Architects' Bldg.

CONTRACT AWARDED

SAUSALITO, Marin Co., Cal.—C. McMenomy, Sausalito, at $300 awarded contract by Town Clerk for repainting and decorating, repairing plaster and removing one window from the Council Chamber in the Town Hall, and for repainting and decorating and repairing of plaster in Clerk's Office in the Town Hall, Sausalito. Specifications on file with the clerk.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Cal.—Heafey-Moore Co. 344 High Street, Oakland, awarded contract by Oakland City Council for furnishing the following materials for the fiscal year for Districts No. 3 and 4:

(1) stone chips	$1.30 per cu. yd.
(2) stone	1.35 per cu. yd.
(3) screenings	1.40 per cu. yd.
(4) Birds eye screenings	1.65 per cu. yd.
(5) second grade rock	.95 per cu. yd.
(6) quarry waste	.35 per cu. yd.

BIDS OPENED

OAKLAND, Cal.—Following submitted identical bids at $4,823.75 (total) to East Bay Municipal Utility District for furnishing lime for delivery at storage platforms:

(1) 200 tons quicklime to be delivered to San Pablo Filter Plant, El Cerrito;
(2) 10 tons hydrated lime, to be delivered at El Cerrito;
(3) 75 tons hydrated lime, to be delivered at Upper San Leandro Filter plant.

Holmes Lime and Cement Co.
Diamond Spring Lime Co.
U. S. Lime Products Co.
California Chemical Co.
Henry Cowell Lime & Cement Co.
Powell Brothers.
Melrose Building Materials Co.

Unit prices read:

(1)	(1)	$3,150.00
(2)	(2)	192.50
(3)	(3)	1,443.72

Other bids were:

Holmes Lime & Cement. Co.	(1)	$3,228.7[illegible]
	(2)	197.31
	(3)	1,479.8[illegible]
	total	$4,095.9[illegible]
Transit Concrete Co.	(1)	$ .....
	(2)	192.5[illegible]
	(3)	1,443.7[illegible]
	total	$1,636.2[illegible]
Chubbuck Lime Co.	(1)	$3,150.0[illegible]
	(2)	192.5[illegible]
	(3)	1,443.7[illegible]
	total	$4,786.2[illegible]

Bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—The Union Oil Co., at $1.04 per bml., submitted identical bids to the Oakland City Council for furnishing 1000 bbls. 50-60 road oil for the City of Oakland.

CONTRACTS AWARDED

OAKLAND, Calif. — Following awards made by Oakland City Council for materials for the City of Oakland during the fiscal year ending June 30, 1935:

WHITE PAINT: Sherwin Williams Co., Oakland, $1.02 per gallon;

CASTINGS: U. S. Foundry Co., Oakland, $.02739 per lb.;

COAL: Rhodes & Jamiesen, Ltd., Oakland, $11.88 per ton;

NATURAL ROCK ASPHALT: Cal-Rock Asphalt Co., San Francisco, $4.25 per ton;

EMULSIFIED PREMIX: Heafey-Moore Co., Alameda, $3.20 per ton;

LUMBER: Swift Lumber Co., Oakland, list price;

DRY CONCRETE MIX: Melrose Bldg. Materials Co., Oakland; $1.53 per ton;

Transit Concrete, Oakland, $1.53 per ton;

CORRUGATED IRON PIPE: California Corrugated Culvert Co., Berkeley,

8"	Grade A.	$ .63;	Grade B.	$ .50;
10"	" "	.74;	" "	.59;
12"	" "	.85;	" "	.68;
15"	" "	1.04;	" "	.83;
18"	" "	1.22;	" "	.98;
21"	" "	1.41;	" "	1.13;
24"	" "	1.95;	" "	1.56;
30"	" "	2.45;	" "	1.96;
36"	" "	3.91;	" "	3.13;
42"	" "	5.64;	" "	4.51;
48"	" "	6.79;	" "	5.43;
54"	" "	9.24;	" "	7.41;
60"	" "	10.26;	" "	8.21;

VITRIFIED SEWER PIPE: N. Clark & Sons, S. F., list prices.

CONCRETE PIPE: American Concrete & Steel Co., S. F., (1) Stand. strength; (2) extra strong.

30-in. (1) $3.25 per ft.
" (2) 4.50 "
33-in. (1) 4.25 "
" (2) 5.20 "
36-in. (1) 4.50 "
" (2) 5.80 "
39-in. (1) 5.00 "
" (2) 6.40 "
42-in. (1) 5.50 "
" (2) 7.60 "

CONCRETE PIPE: Calif. Concrete Products Co., Oakland. (1) plain; (2) extra strength;

10-in. (1) $ .85 per ft.; 21-in. (1) $1.90 per ft;
10-in. (2) —— per ft.; 21-in. (2) $2.90 per ft.;
12-in. (1) $.95 per ft.; 24-in. (2) $3.24 per ft.;
12-in. (2) $1.20 per ft.; 27-in. (2) $3.80 per ft.;
15-in. (1) $1.25 per ft.; (2) $1.50 per ft.;
18-in. (1) $1.40 per ft.; (2) $2.10 per ft.

BIDS OPENED

OAKLAND, Cal.—Mileage Gasoline Co., 354 Hobart St., Oakland, at $.115 per gallon with a total of $5,750, submitted low bid to East Bay Municipal Utility District for furnishing 50,000 gallons of gasoline in car tank lots to be delivered at the Corporation Yard; Proposal No. 528.

Richfield Oil Co. and Signal Oil Co. submitted identical bids at $6,750.

Following submitted letters with quotations stating delivery terms:

Gilmore Oil Company.
Standard Oil Company.
Associated Oil Company.
General Petroleum Company.
Union Oil Company.

CONTRACT AWARDED

SAN LEANDRO, Alameda Co., Cal.—The San Leandro Rock Co., 2485 Washington St., San Leandro, submitted the only bid and awarded the contract by San Leandro city council for furnishing rock and screenings for the year ending June 30, 1935, as follows: Redrock macadam, $1.05 per cu. yd.; Redrock ¼-in. macadam $1.05 per cu. yd.; Screenings, $1.05 per cu. yd.; Rock fill, $0.75 per cu. yd.; Concrete rock, $1.45 per cu. yd.; Crushed rock screenings, $1.45 per cu. yd.; Birds Eye, $1.65 per cu. yd.; Rock dust, $0.75 per cu yd.

BIDS OPENED

OAKLAND, Cal.—Linde Air Products Co., 40th and Watts Sts., Oakland, at $1,406.25 (Item 1) and $2,133.50 (Item 2) submitted low bid to East Bay Municipal Utility District, Oakland, for furnishing:

(1) 125,000 cu. ft. oxygen gas to be supplied in cylinders of 110 cu. ft. or 220 cu. ft.;
(2) 85,000 cu. ft. dissolved acetylene gas.

Only other bid was submitted by Air Reduction Sales Company at (1) $1,625; (2) $2,167.50.

BIDS OPENED

STOCKTON, San Joaquin Co., Cal.—Identical bids at $2,130 were submitted by the San Joaquin Brick Co., 33 El Dorado St., Stockton, and W. J. Lanen, Stockton, for furnishing 12,000 tons of sand and gravel for use on city streets.

Bids referred to City Manager Hogan.

CONTRACT AWARDED

OAKLAND, Calif.—Hutchinson Co., 1450 Harrison St., Oakland, awarded contract by Oakland City Council, for furnishing the following materials for the fiscal year for Districts No. 1 and 2:

(1) stone chips, $1.30 per cu. yd.;
(2) stone, $1.35 per cu. yd.;
(3) screenings, $1.40;
(4) Birds eye screenings, $1.65;
(5) second grade rock, $1.00.

BIDS OPENED

SAN FRANCISCO.—Following firms submitted bids "all prices per code list filed Feb. 15, 1934, with Code Authorities," to T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing lumber under Bid No. 1216:

Spring Valley Lumber Co.; Smith Lumber Co., Loop Lumber Co.; Roth-Maier Lumber Co., E. D. Swift Co., West Coast Lumber Co., Rolando Lbr. Co., Christensen Lumber Co., Leonard Lumber Co., Acme Lumber Co., Sudden Lumber Co., Charles Nelson Lumber Co., San Francisco Lumber Co., and Van Arsdale-Harris Lbr. Co.

Davis Hardwood Co., 350 Bay St., bid $5 per MFBM on grade "B" or better, and $10 per MFBM on shop and factory grades, for spruce.

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District for furnishing materials for street paving repairs:

(1) 1,300 cu. ft. asphalt concrete base course;
(2) 35,000 sq. ft. asph. street paving repair surface course;
(3) 3,000 sq. ft. asph. street paving repairs, skin patching only;
(4) 700 cu. yds. concrete, wet - mix, delivered at trench, exclusive of spreading.

W. H. Larson, 432 Michigan Ave., Berkeley .....(1) $ 390
.....(2) 8,680
.....(3) 150
.....(4) 5,810
..... $15,039

Transit Concrete Co., Harold S. Hughes Co., Rhodes Kennedy and Melrose Building Materials Co. submitted identical bids at $5,929. Item 4 only. Discount, 2% cash.

Ransome Co. .....(1) $ 55
.....(2) 9,450
.....(3) 240

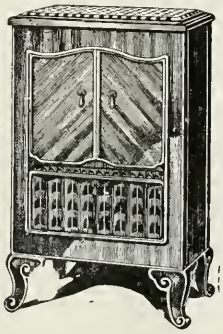
TO PURCHASE

MEXICO, D. F.—Jose de Jesus Davila, Apartado Postal No. 448, Mexico, D. F., is in the market for machinery for the manufacture of cement blocks, roof tile, brick, etc., and wishes prices, terms and conditions. If in perfect operating condition, used machinery is preferred.

Communications may be forwarded to the above address.

CONTRACT AWARDED

GLENDALE, Los Angeles Co., Cal.—Blue Diamond Corp., Ltd., 1650 S. Alameda St., Los Angeles, at $11,392.50 awarded contract by the Los Angeles County Board of Supervisors for furnishing 4650 barrels of Portland cement for use in connection with the construction of a conduit on Verdugo Wash bet. Brand Blvd. and Pacific Ave., Glendale.



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OAKLAND
Phone LAkeside 1266

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, under Proposal L. S. 124, for furnishing meter boxes and covers as follows:

(1) 3000 concrete meter boxes with covers, type 1.
(2) 2000 extra concrete meter box covers, rectangular type.
(3) 500 extra concrete meter boxes, oval type.
(4) 250 concrete meter boxes, with covers, type 5.
(5) 75 concrete meter boxes with covers, type 6.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, under Proposal L.S. 125, for furnishing:

(1) 2 Venturi Meters and 1 water level recorder.
(2) 8 rate controllers.

Delivery at Orinda Filter Plant.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, under informal Proposal No. 537, for furnishing:

(1) 6500 tons 1½-in. coarse concrete aggregate delivered f.o.b. cars Lafayette.
(2) 6500 tons 1½-in. coarse concrete aggregate delivered f.o.b. Orinda Filter plant.

Specifications obtainable from above office.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility District, 512 16th St., Oakland, under informal proposal No. 529 for furnishing 320,000 sq. ft. of galvanized and welded steel wire fabric, 2-in. x 4-in., 13 gauge.

Bids will be received on a unit and total price with alternate for price per 100 sq. ft.

OAKLAND, Cal.—Until June 27, 8 P. M., bids will be received by John H. Kimball, Secretary, East Bay Municipal Utility Disctrict, Oakland, under Proposal L.S. 126 for furnishing:

(1) 250 hub end gate valves, 6-in. dia.
(2) 33 flanged gate valves, 8-in. dia.
(3) 10 flanged gate valves, 10-in. dia.
(4) 8 flanged gate valves, 12-in. dia.
(5) 3 flanged gate valves, 20-in. dia.
(6) 2 flanged gate valves, 24-in. dia.
(7) 5 flanged gate valves 30-in. dia.

Specifications obtainable from above office.

KERN COUNTY

FELLOWS, Kern Co., Calif.—Until June 29, 7 P. M., bids will be received by the Midway School District for the purchase of two school busses, one with a seating capacity of 40 to 50 pupils and the other with a seating capacity of 20 to 30 pupils. Bids will be taken for both six- and eight-cylinder engines.

Specifications obtainable from the above. Lloyd Williamson, clerk of the district.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until June 25, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, under Bid No. 1226, for furnishing 92,794 FBM of No. 1 sawn California redwood ties for the Hetch Hetchy project.

Specifications are obtainable from the above office.

NILES CANYON, Alameda Co., Cal. —The Director of Property has been authorized by San Francisco Board of Supervisors to sell at public auction approximately 2,300 ft. of abandoned 3x4-ft. wooden flume located on certain S. F. Water Department land in Niles Canyon.

CALIFORNIA STATE

FRESNO, Cal.—Until June 26, 3 P. M., bids will be received by F. F. Green, Superintendent of Equipment, Shop 6, Division of Highways, 645 W. Olive St., Fresno, for the sale of the following equipment:

CHC 65 Mower, McCormick - Deering Big Six with R.T. and 5-ft. sickle tractor hitch.
CHC 76 Mower, Chase-Osborne, Model H.V. 35 R.T. sickle tractor hitch.
CHC 4 Spraco Paint spray outfit.
CHC 454 Tractor Caterpillar 30.
CHC 42 Killefer Road Disc, No. 4 with 48-20' discs.
CHC 366 Grader, Galion 9-ft. R.T. with scarifier.
CHC 332 Grader road King 7-ft. R. tired.
CHC 161 Kettle 110 gal. Spearswell 2-wheel R.T.
1 lot Atlas Diesel Engine repair parts.
1 lot P & H Type 600 shovel repair parts.
1 set Caterpillar "60" 16" track plates.
1 set Caterpillar "60" S now Grousers.

Caterpillar tractor CHC 454 and Killefer Road Disc CHC 42 may be inspected at the Department of Public Works, Division of Highways Yard, 1021 Espee St., Bakersfield. All other equipment may be inspected at the Division of Highways Yard, 645 West Olive Ave., Fresno, from 8:30 A. M. to 4:30 P. M. on any working days.

BISHOP, Cal.—Until June 26, 3 P. M., bids will be received by John A. Stein, Superintendent of Equipment, Shop 9, Division of Highways, Bishop, for the sale of the following equipment:

CHC 61 Trailer, fl. rack with 600 gal. tank, 3-ton, 4-wheel.
CHC 180 Trailer, Highway, fl. rack, 2-ton, 4-wheel.
CHC 181 Trailer, Highway, 2-ton, 4-wheel, chassis only.
CHC 182 Trailer, Highway, fl. rack, 2-ton, 4-wheel.
CHC 200 Trailer, Tank, 600-gal., 2-ton, 4-wheel.
CHC 238 Trailer, low bed, 6-ton, 4-wheel.

Armature, 12 volt Delco-Remy.
Miscellaneous bearings, also parts for Bosch and Eiseman magnetos.

All equipment may be inspected at the Division of Highways Yard, Bishop, from 8:00 A. M. to 5:00 P. M. on any working day.

ORANGE COUNTY

ORANGE, Orange Co., Calif.—Until June 29, 7 P. M., bids will be received by the Orange School District at the office of the International School, N. Glassell St., Orange, for one bus chassis of sufficient wheelbase and strength to carry a body of not less than 30-passenger capacity. Bids will be accepted on the job complete. The chassis is to be equipped with one standard governor. Both chassis and body shall meet in all details the new State regulations governing school transportation. Specifications covering chassis and body shall be submitted with bid.

One 1924 Ruggles bus is to be traded in and price on this is required of all bidders. W. F. Feldner, Clerk of the Board.

SAN LEANDRO CITY

SAN FRANCISCO—Until June 25, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for delivery and return of voting machines during the fiscal year, 1934-1935. Specifications and proposal blanks available from above office.

SANTA BARBARA CITY

SANTA BARBARA, Cal.—Until June 28, 1:30 P. M., bids will be received by the Santa Barbara City Council for furnishing gasoline for a period of one year. The estimated requirements will be approximately 70,000 gallons; deliveries by tank to various locations. Carl E. Hasse, Purchasing Agent.

SAN JOAQUIN COUNTY

SAN JOAQUIN COUNTY, Calif.—Until June 30, 10 A. M., bids will be received by the Board of Trustees of the Jefferson Elementary School District, at the Jefferson Elementary School, San Joaquin County, for furnishing one school bus complete, with a capacity of 48 elementary school students and for one school bus chassis alone, suitable for bus body of the above capacity. The total cost of the chassis and body shall not exceed the sum of $2250.

Specifications obtainable from the above office. C. O. Brandeman, clerk of the board.

SAN BERNARDINO CO.

CHINO, San Bernardino Co., Cal.—Until June 29, 7:30 P. M., bids will be received by the Chino School District for furnishing one Ford V-8 truck chassis, wheel-base lengthened to 206 inches, and with 20x7.00 tires all around, or equal; and one P and C all-steel school coach body, Model No. 92-198 BB, or equal. Lester A. Clark, Clerk.

OAKLAND CITY

OAKLAND, Cal.—Until June 30, 9 P. M., bids will be received by Oakland City Council for furnishing brick and sand for the City of Oakland for the fiscal year 1934-1935. Previous bids were rejected.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BID UNDER ADVISEMENT

GLENDALE, Los Angeles Co., Cal.—The bid of Brock & Clark, 107 North Larchmont Blvd., Los Angeles, at $22,108.13 (Proposal No. 1) and at $21-720.63 (Proposal 2) for construction of a concrete conduit on Verdugo Wash between Brand Blvd. and Pacific Ave. Glendale, has been held under advisement by Los Angeles County Board of Supervisors. All other bids were rejected.

CONTRACT AWARDED

LOS ANGELES, Calif.—Person and Thiele, 6206 San Vicente Blvd., Los Angeles, at $152,492.51 awarded contract by the Los Angeles Board of Public Works for constructing two bridges on Gaffey street; one a concrete girder bridge of four 60-foot spans with a 60-ft. roadway; on Gaffey St. over Summerland, and the other a reinforced conc. arch bridge of 100-ft. span with a 45-ft. roadway on Elberon Ave. over Gaffer street.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until June 29, 10 A. M., bids will be received by the Sacramento County Bd. of Supervisors, Courthouse Bldg., Sacramento, for the construction of a concrete bridge on the Elder Creek Road. Estimated cost, $2500. The work involves:

(1) 101 cu. yds. 6 Sac. concrete;
(2) 2.9 cu. yd. 9 Sac. concrete railings;
(3) 9800 lbs. reinforcing steel;
(4) 120 cu. yds. excavation.

Plans and specifications obtainable from County Engineer John J. Rooney

CONTRACT AWARDED

SHASTA CO., Cal.—J. F. Knapp, 1401 Park Ave., Oakland, at $168,847 awarded contract by the State Highway Commission, Sacramento, for constructing a bridge across Sacramento river at Redding, Shasta Co., consisting of six 108-ft. plate girder spans and two 73-ft. 6-in. end spans on concrete piers.

BIDS WANTED

KINGS COUNTY, Calif.—Until July 11, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of two timber bridges at points approximately 23 and 25 miles south of Fresno; one consisting of eleven 19-ft. spans on pile bents, and the other consisting of three 19-foot spans on frame bents. The work involves:

(1) 100 cu. yds. structure excavation;
(2) 1 only existing bridge removed & disposed of;
(3) 2,300 lin. ft. furnishing redwood piles including test piles;
(4) 60 each driving do;
(5) 103 MFBM redwood timber, dense, select, all heart struc. grade;
(6) 18 MFBM redwood timber, select, all-heart structural grade;
(7) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the District Engineer's offices in Los Angeles, San Francisco, and the district in which the work is situated.

BIDS WANTED

LOS ANGELES CO., Calif.—Until July 12, 2 P. M., bids will be received by the State Highway Engineer, Room 808 State Bldg., Los Angeles, for the construction of a bridge across San Gabriel river consisting of five 59-ft. and two 19-ft. 6-in. reinforced concrete girder spans on concrete piers with pile foundation, and eleven 19 ft. and two 15 ft. timber trestle spans on timber pile bents, and for the construction of a bridge across Coyote Creek consisting of one 42-foot reinforced concrete girder span on concrete piers with pile foundation and two 19-foot timber trestle spans on timber pile bents, in Los Angeles Co.

The work involves:

(1) 550 cu. yds. channel excavation;
(2) 2,275 cu. yds. structure excav.;
(3) 14,630 lin. ft. furnished treated Douglas fir piles, inc. test piles;
(4) 488 each driving do;
(5) 2,133 cu. yds. Class A Portland cement concrete structures;
(6) 238 cu. yds. Class A do pavement
(7) 342,300 lbs. bar reinf. steel;
(8) 1,140 lbs. cast steel;
(9) 11,500 lbs. structural steel;
(10) 100 MFBM redwood timber, dense select, all-heart struc. grade;
(11) 62 MFBM do. select, all-heart structural grade;
(12) 1 lot misc. items of work.

Plans and specifications obtainable from the State Highway Commission, Public Works Building, Sacramento, and on file at the District Engineer's office in Los Angeles and San Francisco.

CONTRACT AWARDED

GLENDALE, Los Angeles Co., Cal.—Brock & Clark, 107 N. Larchmont Blvd., Los Angeles, at $21,720.63 (Proposal 2, fob trucks at site of work) awarded contract by the Los Angeles County Board of Supervisors for the construction of a concrete conduit on Verdugo Wash between Brand Blvd. and Pacific Ave., Glendale.

TO ASK NEW BIDS

YUBA COUNTY, Cal.—All bids received by C. H. Whitmore, District Engineer, Dept. of Public Works, Division of Highways, Marysville Hotel, Marysville, for pier protection of a bridge on D Street over Yuba river in Marysville, were returned unopened.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

The project will be readvertised under new specifications.

LOW BIDDERS

SKAGIT and Island Cos., Wash.—Puget Const. Co., Colman Bldg., Seattle, at $304,755 submitted low bid to the Washington State Highway Commission, Olympia, for the construction of steel bridges over Deception and Canoe Passes on the Route of Secondary Road No. 9, PWA Project 6706, in Skagit and Island Counties, consisting of one cantilever span with a total length of 900 ft. and one arch span with a total length of 450 ft. with a 22 ft. roadway and two 3½ ft. sidewalks.

West Coast Const. Co., Lloyd Bldg., Seattle, at $311,397 submitted second low bid.

BIDS WANTED

SAN JOAQUIN COUNTY, Cal.—Until July 9, 10 A. M., bids will be received by the San Joaquin County Board of Supervisors, County Courthouse, Stockton, for the re-decking of the bridge on Elliott Road over Dry Creek, on the county line between Sacramento and San Joaquin counties, about six miles north of Lockeford and about seven miles east of Galt.

The work consists of removing the existing timber deck and constructing a new timber deck. Plans and specifications obtainable from County Surveyor Julius B. Manthey, County Courthouse, Stockton, upon deposit of $10.00. Estimated cost, $5,700.

LOW BIDDERS

JUNEAU, Alaska.—Warrack Const. Co., McDowell Bldg., Seattle, at $46,-410 submitted low bid to the Alaska Road Commission, June 18 for the construction of three 48-ft. concrete approach spans at one end of bridge and six 48-ft. concrete approach spans at the other end of the Juneau-Douglas highway bridge. A. W. Quist, Seattle, at $52,744 and R. J. Sommers, Juneau, at $53,410, submitted second and third low bids, respectively.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

WILLAMETTE RIVER, Ore.—Oregon City Sand & Gravel Co., Oregon City, at $9,934.50 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-734, for dredging approximately 37,000 cu. yds. of material from a channel in Willamette river at mouth of Clackamas river, about 12 miles above Portland. Complete bids follow:

Oregon City Sand & Gravel Co., Oregon City, Oregon, $9,934.50.
Portland Dredging Co., Portland, $11-100.00.
Engineer's estimate, $9,953.00.
All bids held under advisement.

BIDS WANTED

WILLAMETTE RIVER, Ore.—Until June 27, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 34-764, for dredging from a channel in the Willamette river approximately 7800 cu. yds. of material at Meldrum Bar and approximately 12,000 cu. yds. of material at Magoone Bar, 24 and 24½ miles respectively above mouth of the river.

Maps and specifications obtainable from the above office.

CONTRACT AWARDED

NEWPORT BAY, Calif. — Standard Dredging Co., Central Bldg., Los Angeles, at $9.95 per hour, total approximately $1,592, awarded contract by the U. S. Engineer Office, Los Angeles, for test borings in Newport Bay in connection with the Newport Harbor Federal Public Works Program. Work involves about 150 borings in an estimated period of 160 hours.

23— IRRIGATION PROJ.

BIDS WANTED

FAIRFIELD, Mont.—Until July 12, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Fairfield, Mont., for the construction of earthwork and structures, Mill Coulee Canal, Station 256 to Station 326, and lateral enlargements and extensions, Greenfields Division, Sun River project, located near Fairfield and Ashuelot, Mont., under Spec. No. 578.

The work involves:

(1) 79,000 cu. yds. all classes excav. for laterals;
(2) 3,700 cu. yds. all classes excav. for structures;
(3) 8,100 station cu. yds. of overhaul
(4) 2,600 cu. yds. of backfill;
(5) 1,240 cu. yds. conc. in struc.;
(6) 450 sq. yds. grouted paving;
(7) 200 sq. yds. dry rock paving;
(8) placing 96,000 lbs. reinf. bars;
(9) laying 640 lin. ft. of 18- to 24-in. dia. concrete pipe;
(10) laying 1,200 lin. ft. of 4- and 6-inch drain pipe ;
(11) laying 504 lin. ft. of 20- to 30-in. CMP;
(12) installing 14,800 lbs. of gates and misc. metal work.

Plans and specifications obtainable from above office and from the office of the Bureau of Reclamation, Denver; and Washington, D. C., without charge to prospective bidders; to others, $2, not returnable.

BIDS WANTED

ADRIAN, Oregon—Until July 12, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Ontario, Oregon, for the construction of earthwork, tunnel and structures, Kingman Latera land Sublaterals KL-9.3 to KL-10.0, inclusive, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, under Spec. No. 577. The work, which is located near Adrian, Oregon, involves:

(1) 282,000 cu. yds. all classes of excavation for laterals;
(2) 9,000 cu. yds. do for structures;
(3) 400 cu. yds. do for tunnel;
(4) 5,500 stations cu. yds. overhaul;
(5) 18,700 cu. ydsfi backfill;
(6) 990 cu. yds. concrete in struc.;
(7) 160 cu. yds. concrete in tunnel lining;
(8) 940 sq. yds. dry rock paving;
(9) placing 80,000 lbs. reinf. bars;
(10) laying 11,270 lin. ft. 15- to 48-in. diameter concrete pipe;
(11) Installing 8,000 lbs. gates and gate hoists;
(12) installing 3,600 lbs. misc. metal work.

Plans and specifications obtainable from the above office without charge to prospective bidders; to others, $2.50 not returnable.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

MADERA, Madera Co., Cal. — The White Co., San Francisco, at $3454.25, for No. 620 White School Bus Chassis and Patchetts & Carstensen, Inc., Newman, Calif., at $1919.75, for bus body awarded contracts by the Board of Trustees of the Madera Union High School District, Madera, J. L. Davis, president and C. M. Petty, Clerk. Complete bids follow:

CHASSIS

Mack-International Truck Corp., San Francisco, Model 50 School Bus Chassis B. G., $3408.01; $2953.03.
Logan Auto Co., Fresno, $1997.50.
Reo Model Chassis, Fresno; 3-L-6, $2761.
White Co., San Francisco: 702 White School Bus Chassis, $1614.38; No. 612, $2693.70; No. 620 $3,454.25; No. 620 (heavy) $4299.88; No. —, $4550; No. 712, $2781.22.

BUS BODY

W. B. Gibson, San Francisco, $2050.
Gillig Bros., San Francisco, $1972.12.
Patchett & Carstensen, Newman, $1,919.75.
California Steel Products, San Francisco, $1745.

BIDS OPENED

MONTEREY, Cal.—Bids which were opened June 2 by the Board of Trustees of the Monterey Union High School District, Monterey, for furnishing one new 25 to 30-passenger Wm. B. Gibson, Ltd., or Patchetts & Carstensen High School Student Bus, complete, are on file at the office of the PACIFIC CONSTRUCTOR.

BIDS WANTED

NORTH HOLLYWOOD, Cal.—Following bids received by the Bureau of Purchases, 323 State Capitol, Sacramento, for furnishing one tractor for North Hollywood; Req. 6724:

Crook Co., $2652; discount, $396.
J. D. Adams Co., San Francisco, $2806.50; 15% 30 days.
Shepherd Tractor & Equipment Co., Los Angeles, $2695; 2% 30 days.
Smith, Booth, Usher, Los Angeles, $2825.50; Cletrac, 11,048 lbs., $2,662.50, 10,540 lbs. (alt.); 7% 30 days.

CONTRACT AWARDED

KINGSBURG, Fresno Co., Cal.—L. J. Price, Selma, at $2 575 (Dodge) was awarded contract by the Board of Trustees of the Kingsburg Joint Union School District, for furnishing one school bus, chassis and body complete, 60-65 passenger capacity. Complete bids follow:

Allen Chevrolet Co., Selma ($2,622 (G.M.C.); T. J. Christensen, Kingsburg, $2855 (International); Brosn's Tractor & Implement Co., Reedley $2-674.00 (International); Logan Auto Co. Fresno, $2657.50 (Reo); The White Co., Fresno $3344.56 (White); S. Tucker, Kingsburg, $2637.50 (Ford).

CONTRACT AWARDED

MERCED, Calif.—Gillig Bros., 1298 Post St., San Francisco, at $1,332 (standard body) awarded contract by the Board of Trustees of the Merced Union High School for furnishing one 35-passenger school bus, built on a 1934 Ford truck chassis lengthened to approximately 211-in. wheelbase with a Fabco extension frame.

CONTRACTS AWARDED

DELANO, Kern Co. Cal.—Patchetts & Carstensen, Newman, at $1,723.50 plus tax awarded contract by Board of Trustees of the Delano Joint Union High School for one 41- to 48-passenger school bus body.

Bakersfield Garage & Auto Supply Co., 20th St., Bakersfield, at $1625, plus tax, $153.60 allowed for Packard sedan trade-in awarded contract for furnishing Dodge chassis for school bus.

Complete list of bids on file at the office of PACIFIC CONSTRUCTOR.

BIDS OPENED

OAKLAND, Cal.—The following bids were received by the Oakland City Council for furnishing two coupes for the Oakland Fire Department:

Howard Auto Co., $1520; $1111.
Don Lee Co., $980.00.
Phil Davis, $1036.40; $1016.85.
Earl C. Anthony, $1010.
Pacific Nash Co., $1177.21; $1497.01.
Frank Sanford, $1218.00.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Sunset Decomposed Granite Co., 1152 N Fairfax Ave., Hollywood, at $2.09 per hour, operated, submitted low bid to J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, 546 Wabash Ave., Eureka, for the rental of four 3-yard dump trucks for approximately 700 hours. The trucks are to be used for hauling slide material, gravel, sand, etc., from power shovels at Ukiah.

Complete bids follow:

Sunset Decomposed Granite Co., Hollywood	$2.09
Burnside & Larsen, Glendale	2.32
Wm. Kern, Weott	2.41
Daniel Gallagher, San Francisco	2.50
Ashurst Bros., Hopland	2.68
Eugene Della Rosa, Martinez	2.75
K. N. Dewar, Eureka	2.79
J. Starkenberg, Weott	2.97
M. E. Bechstrom, Trinidad	3.00

Bids held under advisement.

NO BIDS RECEIVED

MENDOCINO COUNTY, Cal.—No bids were received by J. W. Vickrey, District Engineer, Department of Public Works, Division of Highways, Eureka, June 15, for the rental of one Fordson tractor for approximately 160 hours.

BIDS OPENED

PASADENA, Cal.—Following bids received by the Pasadena Board of Education, June 16, for furnishing one Caterpillar tractor, or equal, contingent upon the sale of one 2-ton Caterpillar tractor:

Wm. W. Seanor, Model T.A. 20, McCormick-Deering tractor, $1685; $368 allowance. Alt., Model T-40, McCormick-Deering tractor, $2000 allowance, $368.
Smith Booth Usher Co., $2010 tractor; $275 allowance.
B. Hayman Co., Inc., $2015 tractor; $500 allowance.
Shepherd Tractor & Equipment Co., $2055, Model 28; $300 allowance. Alt., $1570, Model 22.
Crook Co., Caterpillar, $1800; $300 allowance; Cletrac, $1850.70.

BIDS OPENED

PASADENA, Cal.—Following bids received by the Pasadena Board of Education, June 16, for furnishing one 6-ton tandem roller, contingent upon the sale of one 1921 Fordson roller.

Austin-Western Road Machinery Co., $4315, 7-ton; Alt., $4190, 6-ton.
Crook Co., Buffalo-Springfield roller Model V.T. 15, $3510; Buffalo-Springfield roller, Model V.T. 21, $4315. Allowance on Fordson, $500.

CONTRACT AWARDED

SAN BERNARDINO, Calif. — Elgin Sweeper Co., 6680 Colgate Ave., Los Angeles, at $7,250 awarded contract by the San Bernardino City Council June 18 for furnishing one motor sweeper. Austin-Western Road Machinery Co. at $7,250 submitted the only other bid.

26— RAILROADS

BIDS WANTED

SAN FRANCISCO.—Until July 5, 3 P. M., as previously reported, bids will be received by the Public Utilities Commission, Room 287, City Hall for the reconstruction of the Potrero Avenue street car line from 18th to

Army Streets (M. R. R. Contract No. 168).

The work consists of the removal of rail and fastenings, including special work; installation of new ties under all track south of 18th St., including hauling them from the Municipal pipe yard; installing track and special work; hauling rails, special work and appurtenances to and from the Municipal pipe yard; bonding track and special work.

The work involves:

(1) 9400 ft. removal of rail and fastenings, inc. special work, single track;
(2) 9100 ft. constructing plain single track;
(3) installing double track over double track crossing;
(4) installing diamond turnout;
(5) hauling rail, special work and appurtenances from the Municipal pipe yard to the work and from the work to the pipe yard; 110 short tons;
(6) 600 furnish and install joint bonds
(7) 20 furnish and install 6-ft. 4/0 cross bonds;
(8) 6 furnish and install 7-ft. 4/0 cross bonds.

Specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

Felton Taylor, secretary of the commission.

27—FIRE ALARM SYSTEM

June 21, 1934

CONTRACT AWARDED

WALLA WALLA, Wash.—NePage-McKenny Co., Seattle, awarded contract by Veterans' Administration at $850 for revisions to fire alarm and street lighting system at the Veterans Administration Facility, Walla Walla.

30—RESERVOIRS & DAMS

BIDS WANTED

FORT PECK, Mont.—Until July 9, 2 noon, bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of a steel sheet cutoff wall for the Fort Peck Dam.

Plans and specifications obtainable from above office upon a deposit of $25. Theodore Wyman, Jr., Captain, Corps of Engineers, Assistant to the Division Engineer. 30

BIDS WANTED

BAKERSFIELD, Kern Co., Cal.—Until July 2, 11 A. M., bids will be received by the Board of Supervisors, F. E. Smith, County Clerk, Court House, Bakersfield, for the construction of timber bridge, Road No. 24 in Kern County, involving:

(1) excavation;
(2) embankments;
(3) 21,151 MBM redwood timber;
(4) 20,771 MBM Douglas fir timber;
(5) 2 fire barrels.

Plans and specifications obtainable from the above and at the office of the county surveyor at Bakersfield.

BIDS WANTED

BONNEVILLE, Ore.—Until June 22, 2 P. M., bids will be received by Major C. F. Williams, Corps of Engineers, U. S. Engineer Office, 306 Customhouse, Portland, for performing all work required in drilling for the purpose of obtaining reliable information as to the nature of the materials below the surface at Ruckel Slide on the south bank of the Columbia river about 44 miles east of Portland. The work involves 1,000 lin. ft. overburden and rock drilling with churn or shell drill; Sched. Form A, No. 34-752.

Plans and specifications obtainable from the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Blk., Portland.

CONTRACT AWARDED

POCATELLO, Ida. — Paul Paulsen, 2109 Berkeley Ave., Salt Lake City, at $113,051 awarded contract by the Pocatello city council for the construction of a reinforced conc. water storage reservoir of 11.5 million gallons capacity.

BIDS WANTED

PARKER, Arizona—Until July 26, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, 608 Grant Bldg., Los Angeles, for the construction of the Parker dam and appurtenant works, Parker Dam Project, California-Arizona, under Spec. No. 574.

The work, which is located near Parker, Arizona, and Earp, California, involves:

(1) 2,265,000 cu. yds. all classes open-cut excavation;
(2) 108,000 cu. yds. tunnel excavation
(3) 438,000 cu. yds. earth fill in cofferdams;
(4) 754,000 sta. cu. yds. overhaul;
(5) 22,000 cu. yds. riprap;
(6) 287,700 cu. yds.concrete in strucs.
(7) 16,000 cu. yds conc. in tunnels;
(8) 7500 cu. ft. of grout;
(9) Erecting 300 MFBM timber, in tunnels;
(10) Placing 1,874,000 lbs. reinf. bars;
(11) Drilling 8900 lin. ft. grout holes;
(12) Laying 425 lin. ft. C.M.P.;
(13) Installing 313,500 lbs. metal pipe and fittings;
(14) Installing 4,100,000 lbs. spillway gates and hoists;
(15) Installing 826,500 lbs. trash racks and miscellaneous metal work;
(16) Installing 12,000 lin. ft. electrical metal conduit;
(17) Furnishing, installing and operating metal conduit;
(18) Furnishing, installing and operating concrete cooling plant.

Plans and specifications obtainable from above office at a charge of $5, and from the U. S. Bureau of Reclamation at Earp, Calif.; Denver, Colo., and Washington, D. C. *

FORCE ACCOUNT

LOS ANGELES, Cal.—All bids for the construction and operation of plant and distribution system for applying water to face of San Gabriel Dam No. 2, received June 11, were rejected by the Los Angeles County Board of Supervisors and E. C. Eaton, Los Angeles County Flood Control Engineer, was authorized to do the work by force account.

George Hess, 434 S. Westmoreland Ave., Los Angeles, submitted low bid at $59,477.

BONDS VOTED

SANTA CLARA COUNTY, Cal.—A $2,000,000 bond issue to finance construction of structures for impounding and distributing flood waters for irrigation was voted June 19 by the Santa Clara County electorate by a vote of 14,277 "Yes" to 2268 "No."

The Santa Clara Valley Conservation District Directors, Grant Bldg., San Jose, have applied to PWA for a supplementary grant of $683,000, which it is understood has received preliminary approval.

F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, is Chief Engineer for the conservation district.

31—PIPE LINES & WELLS

June 15, 1934

CONTRACTS AWARDED

SAN FRANCISCO.—Western Pipe & Steel Corp., 444 Market St., at $1,732.437.80 (Section A, Prop. 1 and Section B) using welded steel pipe, and the American Concrete & Steel Pipe Corp., 19th Ave. and Estuary, Oakland, at $638,969.30 (Section C) were awarded contracts by the San Francisco Public Utilities Commission, Rm. 287, City Hall, for the construction of the Bay Crossing Pipe Line No. 2, under Contract & Spec. W. D. 46.

BIDS WANTED

SAN FRANCISCO—Until July 6, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for construction of the Sunset Reservoir Supply Line, Federal Public Works Project 1510-4. The work involves approximately 8900 lin. ft. of pipe. The proposed pipe line starts at about the intersection of Juniero Serra Blvd. and Sloat Blvd. and runs westerly along Sloat Blvd. to about the intersection of 22nd Ave. and Sloat Blvd., thence in a northwesterly direction parallel to and approximately 13 ft. north of the southerly boundary line of the Sigmund Stern Recreation Grove, to a point approximately 112 ft. east of said grove, to a point on the south line of Wawona St. and opposite the east line of 25th Ave., then northerly on 25th Ave. to Santiago St., thence westerly on Santiago Street to 28th Ave., then northerly on 28th Ave., terminating at approximately the south line of Quintara Street.

Bids will be taken as follow:

ALTERNATE "A"

(1) Fabrication, testing, lining and coating and delivery of 54-in. steel pipe with asphalt dip;
(a) 8625 lin. ft. from 5/16-in. steel plates;
(b) 275 lin. ft. ⅜-in.. steel plates.
(2) Excavation, backfill, excess removal, etc., of trench, 8900 lin. ft.
(3) Additional excavation, backfill, excess removal, etc., 659 cu. yds.;
(4) Additional pavement removal and replacement, 1000 sq. ft.;
(5) Installation of pipe, making of field joints, cleaning up, etc., 8900 lin. ft.;
(6) Installation of fittings, gate valves, air valves, etc., 19,100 lbs.;
(7) Additional field joints, including preparation, handling, making and lining and coating of joint, 150 lin. ft.;
(8) Insulating joints, including material, preparation of pipe, making and installation of joint, wrapping and lining of joint, 4 joints;
(9) 39,185 sq. ft. repavement;
(10) Connections, work to be done by San Francisco Water Department;

ALTERNATE "B"

Steel Pipe With Spun Lining.

(1) Fabrication, testing, lining and coating and delivery of 51-in. steel pipe with spun lining, 8900 lin. ft.;
(2) to (8) same at Alternate "A";
(9) 37,404 sq. ft. repavement;
(10) Same as Alternate "A".

ALTERNATE "C"

Reinforced Concrete Pipe.

(1) Fabrication, testing, lining and coating and delivery of 51-in. reinforced concrete pipe, 8900 lin. ft.;
(2) to (8) same as Alternate "A";
(9) 40,682 sq. ft. repavement;
(10) Same as Alternate "A".

Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10. Water Department Spec. No. 61. N. A. Eckart, Chief Engineer. *

BIDS WANTED

SAN CARLOS, Arizona—Until June 27, 2 P. M., bids will be received by the U. S. Indian Irrigation Service, Coolidge, Arizona, for drilling approximately 30 wells, 20-in. diameter and from 100 ft. to 350 ft. in depth for the San Carlos Project, Arizona.

Specifications and information obtainable from above office.

32—SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

SAN FRANCISCO.—C. C. W. and H. H. Haun, 666 Mission St., at $49,215.50 awarded contract by the Department of Public Works, Room 251, City Hall, for the construction of a sewer and appurtenances in Sixteenth Street from Shotwell to Harrison.

CONTRACT AWARDED

SAN FRANCISCO.—MacDonald and Kahn Co. Ltd., Financial Center Bldg. at $25,515.15 awarded contract by the Department of Public Works, Room 251, City Hall, for the construction of a sewer and appurtenances in Visitacion Valley from Schwerin Street to Sunnydale Ave. and Talbert St.

BIDS WANTED

SAN FRANCISCO. — Until July 11, 2:30 P. M., bids will be received by the Department of Public Works, Rm. 251, City Hall, S. J. Hester, Chief Deputy Director, for the construction of the Yosemite Avenue sewer from Keith Street to Ingalls Street. Estimated cost, $61,000.

The work involves:

(1) 1308 lin. ft. 7 ft. circular reinf. concrete sewer;
(2) 54 lin. ft. 5 ft. do;
(3) 1 taper structure of reinf. conc.;
(4) 1 taper junction struc. of reinf. concrete;
(5) 4 manholes on reinf. conc. sewer;
(6) 1350 lin. ft. 8-in. VCP underdrain covered with conc. or embedded in broken rock, as directed;
(7) 22,000 lin. ft. piles below cutoff.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall, upon deposit of $10.00.

The work will be financed by the $2,625,000 PWA allotment, for which bonds were voted November 7.

33— WATERWORKS

CONTRACTS AWARDED

OAKLAND, Cal.—Grinnell Co. of the Pacific, Fifth and Brannan Sts., San Francisco, at $1,491.30 (Sched. 2) and $663.43 (Sched. 4), and the Phoenix Iron Works, Second and Castro, Oakland, at $651.15 (Sched. 1) and at $750.70 (Sched. 3) awarded contracts by the East Bay Municipal Utility District, Oakland, for furnishing cast iron pipe fittings for distribution system.

LOW BIDDER

CARLIN, Nev.—Mullins and Wheeler, Salt Lake City, at approximately $35,000 submitted low bid to the Carlin city council June 12 for the construction of a water system at Carlin.

Estimated cost of the project complete is $67,000.

CONTRACT AWARDED

SAN FRANCISCO.—Theo. H. Smith 139 Spear St., at $167 awarded contract by the Department of Public Works, Room 251, City Hall, for removing heater heads and furnishing and installing new tubes at the Civic Center power house feed water heater.

BIDS WANTED

FRESNO, Calif.—Until June 28, 11 a. m., bids will be received by the Fresno City Council, for furnishing one deep well turbine pump unit, and motor, complete, to be installed at Water Department Station No. 7, Huntington & Raisina Streets, Fresno. Bid is to include installation, complete.

Specifications obtainable from City Clerk H. S. Foster.

BIDS WANTED

LOVELOCK, Nevada.—Until July 9, 12 M., bids will be received at the office of V. A. Twigg, City Clerk, to be opened at 1 p. m., by the City Council, for the sale of general obligation bonds in the amount of $106,000, with which to finance improvements to the municipal water system.

BIDS WANTED

LOVELOCK, Pershing Co., Nevada.—Until July 9, 12 M., bids will be received at the office of V. A. Twigg, City Clerk, to be opened at 1 P. M., by the City Council, for construction of a water supply pipe line together with well and pumping plant, and furnishing materials for same. Estimated cost, $92,000, to be financed by sale of general obligation bonds and PWA grant of 30% of cost of labor and materials. Bids will be taken as follows:

I. PUMPING PLANT, near Orsana, Pershing County.

(1) Well furnished 270 feet, lump sum;
(2) 65 lin. ft. well, (from 270 to 335 ft.) per foot;
(3) Setting one new pump;
(4) Pump house, complete, including materials;
(5) Wiring, complete;
(6) Turning present pump, lump sum.

II SUPPLY LINE. Hauling welding, and laying approximately 2 miles of 6-inch steel pipe and 11 miles of 8-inch steel pipe; digging and backfilling by hand labor and teams of approximately 13 miles of trench, involving about 12,000 cu. yds. material; installation of all fittings and valves and the connection of the line with a pump, a reservoir, and an existing pipe line, and the removal and relaying of about 3100 ft. of existing 8-in. cast iron pipe. All pipe, fittings and valves to be furnished by the City.

(1) 13,000 cu. yds. excav. and backfill;
(2) 7800 lin. ft. laying 6-in. steel pipe
(3) 61,000 lin. ft. laying 8-in. steel pipe;
(4) 3100 lin. ft. removal of 8-in. C.I.P.
(5) 3100 lin. ft. laying 8-in. C.I.P.;
(6) 16 each installing 2-in. blowoff valves;
(7) 14 each installing air valves;
(8) 14 welding Grinnel threaded outlets, ½-in. and 1-in.;
(9) 16 do, 2-in.;
(10) 16 installing blowoff valve boxes, metal;
(11) 14 installing air valve boxes, vitrified;
(12) 1700 ton miles hauling.

III MATERIALS:

(1) 9960 lin. ft. 6-in. O. D. steel pipe, 10 ga. minimum;
(2) 9960 lin. ft. do, heavier than 10 ga. (alt.);
(3) 61,440 lin. ft. 8-in. O. D. steel pipe, 10 ga. minimum;
(4) 61,440 lin. ft. do, heavier than 10 ga., (alt.);
(5) 1 each 8-in. x 6-in. x 6-in. O. D. steel wye special, 10 ga.;
(6) 1 each do, heavier than 10 ga. (alt.);
(7) 5 lengths (12-ft. maximum) 8-ft. C.I.P. drilled flange and spigot (3 lengths with welding flanges attached);
(8) 1 8-in. C. I. tee-all flange, Class 150;
(9) 1 C. I. wye branch 45° 8" 2B 1S Class 150;
(10) 1 C. I. 45° curve 8" B & S;
(11) 1 swing check valve 8" double hub;
(12) 7 forged steel welding neck flanges, drilled;
(13) 15 ring gaskets for 8-in. C.I.P.;
(14) 100 ¾-in. x 3-in. flange connection bolts with nuts;
(15) 4 8-in. gate valves;
(16) 17 2-in. gate valves;
(17) 1 1-in. globe valve;
(18) 1 1-in. air and vacuum valve;
(19) 14 ½-in. air and vacuum valve;
(20) 17 each welding outlets, 2-in by 8-in.;
(21) 2 each welding outlets, ½-in.x8 inch;
(22) 17 each pcs. 2-in. B1 pipe, 3-f long;
(23) 17 each 2-in. B.I., R. H., nipple 12-inch;
(24) 18 each 2-in. B.I., R.H., nipple 6-inch;
(25) 18 each 2-in. C.I. elbows;
(26) 1 each 1-in. C.I. elbow;
(27) 1 each 1-in. B.I., R.H., nipple 12-inch;
(28) 2 each 1-in. B.I., R.H., nipple, 6 inch;
(29) 14 each ½-in. B.I., R.H. nipple 3 inch;
(30) 1 deep well pump, motor, push button, starter, lubricator, air line gauges, etc., complete.

Plans and specifications obtainable from King & Malone, 29 E. First St Reno, Nevada, Engineers, at a charge of $5 for the material list and proposal form, and $10 each for specifications for well and for pipe line construction.

L. S. Young, Mayor of the City of Lovelock.

BIDS WANTED

SALINAS, Monterey Co., Cal.—Until June 28, 8 P. M., bids will be received by the Board of Trustees of the Salinas Union High School District for the installation of an electric pumping plant and pressure tank on the Salinas Union High School District grounds, South Main St. Plans and specifications, prepared by Howard L. Peters, C. E., Salinas, obtainable from Malrowe Martin, Clerk of the Board.

34—PARKS AND PLAYGROUNDS

PLANNED

BURLINGAME San Mateo Co. Cal.—Peninsula Tennis Club has filed application with the San Mateo Planning Commission to construct eight tennis courts from Sections No. 1 and 2 on the Aragon Tract. The Planning Commission has set July 11 for public hearing on the matter.

CONTRACT AWARDED

BEND, Ore. — Wm. Montgomery Bend, Ore., at $1,749.22, awarded contract by Treasury Department for lawn sprinkling system at the U. S. Post Office site, Bend, Ore.

CONTRACT AWARDED

PLEASANTON, Alameda Co., Cal. C. A. Brice & Sons, Pleasanton, awarded contract for constructing two double tennis courts on the Amador Joint Union High School Grounds.

PLANNED

SANTA ROSA, Sonoma Co., Cal. City of Santa Rosa has purchased a site on South A Street between Ely and Sebastopol Avenue where a modern park and playground will be constructed from funds in the amount of $75,000 bequeathed by the late Leonard Howarth of Santa Rosa. Tennis courts, handball courts, baseball diamond, football and soccer fields, basketball courts, archery range, etc. are planned for the new park. Further details will be announced shortly.

CONTRACTS AWARDED

SAN RAFAEL, Marin Co., Cal.—L. J. Immel, 1031 Evelyn St., Berkeley, at $2,800 awarded contract for tennis courts, and Western Steel & Wire Works, 439 Bryant St., San Francisco, at $1,390 awarded contract for woven wire fence around the courts.

by Marin Junior College Board.
Following bids received:

Tennis Courts

(1) Cal-Rock: (a) black (b) red (c) green.
(2) Laycold: (a) black (b) red (c) green.

Lee J. Immel, Berkeley	(1a)	$3,100
	(2a)	2,800
	(2b)	2,820
	(2c)	2,900
Pacific States Const. Co., San Francisco	(1a)	$3,845
Malott & Peterson, S. F.	(2a)	$3,078
P. M. Henning, Oakland	(1a)	$2,982
	(1b)	3,034
	(1c)	3,173
	(2a)	2,956
	(2b)	3,008
	(2c)	3,147
Fay Imp. Co., S. F.	(1a)	$4,975
P. L. Burr, S. F.	(1a)	$3,082
	(1b)	3,100
	(1c)	3,217

Fencing

Western Steel & Wire Works, San Francisco, $1,390.

Identical bids were submitted by the following at $1,820.32:

Anchor Post Fence Co.
Michael & Pfeffer Iron Works.
Standard Fence Company.
Henry Hess.
West Coast Wire & Iron Works.
Trask & Squires.
Kamlan Fence Company.
Steuart Iron Works.

29—STREETS AND HIGHWAYS

BIDS WANTED

NAPA COUNTY, Cal.—Until July 2, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, John H. Skeggs, District Engineer, Room 211, State Bldg., San Francisco, for 0.6 mile to be surfaced with crusher run base and bituminous treated crushed gravel or stone in Napa County between Napa and Greenwood Corner.

The work involves:

(1) 5,250 tons crusher run base in place;
(2) 1,300 tons crushed gravel or stone in place (bit. treated surf.);
(3) 75 tons cutback asphalt, in place;
(4) 125 bbls. fuel oil, in place;
(5) 140 tons screenings, in place.

Plans and specifications obtainable from the above office.

BIDS WANTED

SANTA CLARA CO., Calif.—Until July 2, 11 A. M., bids wil lbe received by the Santa Clara County Board of Supervisors, County Courthouse, San Jose, Henry A. Pfister, Clerk, for the improvement of Williams Road and Payne Ave. in Supervisor District No. 1.

The work involves:

Williams Road: 143,300 sq. ft. oil macadam pavement.
Payne Ave.: 98,450 sq. ft. oil macadam pavement.

Plans and specifications obtainable from the County Surveyor at a charge of $1.00.

BIDS WANTED

LOLETA, Humboldt Co., Cal.—Until July 2, 11 A. M., bids will be received by the Humboldt County Board of Supervisors, Court House, Eureka, for surfacing 1½ miles of streets at Loleta, in Road District No. 3, Humboldt County.

Plans and specifications obtainable from County Surveyor Frank Kelly. Fred M. Kay, Clerk of the Board.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until July 2, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, County Courthouse, San Jose, for the improvement of Oregon Ave. and Louis Road in Supervisor District No. 5. The work involves:

(1) 140,400 sq. ft. oil macadam pavement.

Plans and specifications obtainable from the County Surveyor at a charge of $1. Henry A. Pfister, Clerk of the Board.

CONTRACT AWARDED

OAKLAND, Cal.—W. H. Larsen, 432 Michigan Ave., Berkeley, at $15,030, awarded contract by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing materials for street paving repairs.

CONTEMPLATED

RICHMOND, Contra Costa Co., Cal.—City of Richmond plans to widen and repave Macdonald avenue by reducing the sidewalks three feet on each side of the street in the business district, thus increasing the width of the street by 6 feet.

City Engineer E. A. Hoffman estimates the cost of the work at $41,238.50.

BIDS WANTED

BERKELEY, Alameda Co., Calif.—Until July 3, 10 A. M., bids will be received by the Berkeley City Council for improving Santa Fe Avenue north of Gilman St. Work involves:

(1) 5200 sq. ft. grading;
(2) 4,300 sq. ft. 3-in. crusher run base
(3) 4,300 sq. ft. bituminous surface;
(4) 3,800 sq. ft. bituminous resurf.;
(5) 65 lin. ft. concrete curbs and gutters, 3 ft. wide;
(6) 270 lin. ft. concrete curbs and gutters, 2 ft. wide;
(7) 65 lin. ft. 10-in. corrugated iron culvert.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—R. E. Campbell, 711 Central Bldg., Los Angeles, at $105,296 awarded contract by the State Highway Commission, Sacramento, for grading 5.6 miles of highway in San Diego County, bet. Escondido and Lake Hodges Dam.

CONTRACT AWARDED

MONTEREY COUNTY, Calif. — Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $108,515 was awarded contract by the State Highway Commission, Sacramento, for 3.3 miles of grading and surface portions with selected material in Monterey County between Mustang Ridge and Priest Valley.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until June 29, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for the construction of a 6-inch compacted rock base runway at Hamilton Field.

Plans and specifications obtainable from the above office upon deposit of $5; Spec. No. 6754-34-50.

NEW BIDS ASKED

SAN LEANDRO, Cal.—Until August 6, 4:30 P. M., new bids will be received by the San Leandro City Council for furnishing and spreading oil on street surfaces for the year ending June 30, 1935. No bids were received by the Council June 18, 4:30 P. M. Specifications obtainable from City Clerk E. F. Hutchings.

BIDS WANTED

HAMILTON FIELD, Cal.—Until June 29, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, San Rafael, as previously reported, for the construction of a 6-inch compacted rock base runway at Hamilton Field. Specification No. 6754-34-50. Lump sum bids are asked. The work involves:

(1) 7650 cu. yds. excav. for landing mat;
(2) 21,757 cu. yds. 6-in. depth selected borrow (compacted);
(3) 1500 lin. ft. 4-in. T. C. drain tile, rock backfill;
(4) 2275 lin. ft. 6-in. do;
(5) 1310 lin. ft. 8-in. do;
(6) 654 lin. ft. 10-in. do;
(7) 870 lin. ft. 15-in. do;
(8) 654 lin. ft. 10-in. T. C. drain pipe, bell and spigot;
(9) 250 lin. ft. 12-in. do;
(10) 4 manholes complete, including castings;
(11) 16 lin. ft. 15-in. galv. corr. metal pipe;
(12) Alt., 130,540 sq. yds. surfacing.

NOTE:—Bell and spigot pipe shall be salt glazed, terra cotta of first quality, and shall be earth backfilled where placed in ground. Price bid for manhole shall include furnishing of a satisfactory (not less than) 300 lb. cast iron frame and cover.

TO ASK NEW BIDS

SAN FRANCISCO. — No bids were received by the Public Utilities Commission, Room 287, City Hall, for extening the San Franicsco Airport landing field eastward with a fill over the tide lands of San Francisco Bay adjacent to and just east of the present landing field, under Airport Contract No. 31. Dredging companies objected to the time stipulated in plans for settlement of ground (six months) saying it would take at least a year.

NEW BIDS WANTED

SAN FRANCISCO.—Until June 27, 2 P. M., new bids will be received by Wm. McLaughlin, Construction Engineer, U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco, for resurfacing an old road and laying 400 feet of 4-in. tile subdrainage system to catch existing spring water in back of the main hospital. The work involves approximately 3300 sq. ft. of surfacing.

All bids received May 25 were rejected. J. S. Heilmann, 2703 21st St., at $2,949, submitted the low bid on the previous opening.

AWARD RECOMMENDED

LOS ANGELES, Cal.—The Los Angeles Board of Public Works has recommended to PWA Engineer F. E. Trask, that Geo. J. Bock & Son, 1007 S. Harvard Blvd., low bidder, at $21,256.33, as previously reported, be awarded contract for grading, paving and otherwise improving the streets in the Kingman Avenue and Entrada Improvement District.

BIDS REJECTED

LEWIS AND PIERCE COUNTIES, Wash.—All bids received by the Washington State Highway Commission, Olympia, June 5, for constructing bituminous treated surface on 15.9 miles and bituminous seal coat on 34.4 miles of State Road 5, Mill Creek to Elbe and Kosmos to Packwood, in Lewis and Pierce Counties, have been rejected. H. P. Dorsey, 2006 State St., Bilingham, at $39,606 submitted the low bid.

CONTRACT AWARDED

GRAYS HARBOR AND MASON COUNTIES, Wash.—J. F. Forbes, Olympia, at $59,403 awarded contrast by Washington State Highway Commision, Olympia, for constructing bituminous mat by bituminous macadam method on 5 miles of State Road 9, Oakville to Gibson Creek, and on 9.8 miles from Junction of State Road 14 to Illiwaup, Grays Harbor and Mason Counties.

BIDS WANTED

DIVERSIDE COUNTY, Cal.—Until June 25, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 3rd St., San Bernardino, for 31.7 miles of fuel oil treatment of existing roadbed in Riverside County between Temecula River bridge and San Diego county line near Aguanga and bet. Hemet and Sage.

The work requires 4,265 barrels of heavy fuel oil in place.

Plans and specifications obtainable from the above office.

BIDS WANTED

RIVERSIDE and San Bernardino Cos., Cal.—Until June 25, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for 22.7 miles of fuel oil treatment of existing roadbed in Riverside and San Bernardino counties, between Forest boundary near Hemet and Keen Camp, and between Doble Corner and five miles north of Adelanto.

The work requires:

(1) 3170 bbls. heavy fuel oil in place;
(2) 22.7 miles prepare roadbed and mix and shape oiled material.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

SAN RAFAEL, Marin Co., Calif.—Pacific States Const. Co., 708 Call Bldg., San Francisco, at $9,275.47 was awarded contract by the San Rafael City Council for the improvement of a portion of Lincoln Avenue between Linden Lane and a point approximately 200 feet north from the north line of Grand Ave., by the construction of storm drains and their appurtenances and an asphalt concrete pavement.

CONTRACT AWARDED

MAYWOOD, Cal.—Kovacevich and Price, 5400 Imperial Highway, South Gate, at $8103.50 awarded contract by the Maywood City Council for the construction of rail top culverts at the intersection of Atlantic Blvd. and 58th St., and the intersection of Atlantic Blvd. and 60th St., in the city of Maywood.

BIDS WANTED

MARIN COUNTY, Cal.—Until June 25, 11 A. M., bids will be received by the Marin County Board of Supervisors, V. M. Rice, Clerk, County Court House, San Rafael, for road improvement, as follows:

Fallon-Two Rock road from Fallon Corner to Twin Bridge road, a distance of 2.1 miles (armor coat).

Fallon-Whitaker Bluff road from Fallon corner west for a distance of approximately one mile (road oil).

Gericke road from Fallon-Two Rock road to Sonoma County line, a distance of approximately 1.9 miles (road oil).

Carmody road from Fallon - Two Rock road to Sonoma county line, a distance of approximately 0.8 mile (road oil).

Twin Bridge road, from Fallon-Two Rock road to Tomales-Petaluma road, a distance of approximately 1.1 miles (road oil).

The work involves:

(1) 118 bbls. light oil;
(2) 41 tons heavy oil;
(3) 336 bbls. heavy fuel oil;
(4) 400 tons rock;
(5) 200 tons screenings.

Plans and specifications obtainable from County Surveyor Rodney Messner, Court House, San Rafael.

PROJECT CANCELLED

SAN MATEO COUNTY, Cal.—State Highway Commission, Sacramento, has announced cancellation of a call for bids for grading 1.1 miles in San Mateo County between four miles east of Half Moon Bay and Summit, for which bids were to have been opened July 5, 2 P. M.

CONTRACT AWARDED

GRAYS HARBOR COUNTY, Wash.—L. J. Dowell, Inc., 1437 Elliott St. W., Seattle, at $300,176 awarded contract by Washington State Highway Commission, June 12, for grading, surfacing and constructing eight treated pile and timber trestle on about 17.3 miles of State Road No. 9, Hoquiam to Humptulips, Grays Harbor County. Complete bids follow:

L. J. Dowell, Inc., Seattle	$300,176
Halleran Bros., Seattle	306,419
General Constr. Co., Seattle	308,854
L. Coluccio & Co., Seattle	337,482
Grays Harbor Constr. Co., Forsberg & Co., and Rowland Bros., Aberdeen	341,477
L. Romano Eng. Corp., Seattle	375,298
Alex Besoloff Co., Seattle	398,821
The Mirene Co., Portland	484,737

BIDS WANTED

SISKIYOU COUNTY, Cal.—Until June 28, 2 P. M., bids will be received by F. W. Haselwood, District Engineer, Department of Public Works, Division of Highways, Redding, for 9.6 miles of existing roadbed to be treated with a bituminous seal coat in Siskiyou County between McCloud and the junction of Routes 3 and 83, near Mt. Shasta City. The work involves:

(1) 117 tons asphaltic road oil, in place;
(2) 900 cu. yds. rock screenings, in place.

Plans and specifications obtainable from above office.

BIDS OPENED

VENTURA CO., Calif.—Consumers Oil Co., 4600 E 52nd Drive, Los Angeles, at $8,480 submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, State Bldg., Los Angeles, for treating 42.1 miles with heavy fuel oil as a dust palliative in Ventura County between Ojai and the west boundary. The work involves 5,300 barrels of heavy fuel oi lin place.

Complete bids follow:

Consumers Oil Co., Los Angeles, (barrel) $1.60; (total) $8,480.

Gilmore Oil Co., Los Angeles, $1.67; $8,851.

Oilfields Trucking Co., Bakersfield, $1.72; $9,116.

L. A. Brisco, Arroyo Grande, $1.79; $9,487.

Paulsen & March, Los Angeles, $1.84; $9,752.

Western Motor Transfer, Inc., Santa Barbara, $1.33; $10,229.

BID REJECTED

GRAYS HARBOR, JEFFERSON & Clallam Counties, Wash.—F. J. Kernan, Faloma, Oregon, at $87,753 submitted the only bid to the Washington State Highway Commission, Olympia, June 12, for constructing bituminous seal coat on 105.1 miles of State Road 9, Quinault River to Indian Creek, bituminous treated surface on 12.45 miles Indan Creek to Port Angeles, Grays Harbor, Jefferson and Clallam Counties. The bid was rejected.

BIDS REJECTED

COWLITZ, WAHKIAKUM, LEWIS and Pacific Counties, Wash.—H. P. Dorsey, 2006 State St., Bellingham, at $60,172 submitted low bid to the Washington State Highway Commission, Olympia, June 12, for constructing a bituminous seal coat on 34.4 miles, bituminous treated surface on 97.6 miles, and bituminous mat by road mix method on 0.4 miles of State Road 12, Longview to Johnson's Landing, Johnson's Landing to Point Ellice (including Skinville cut-off), and Beam Road to South Bend. F. J. Kernan, Faloma, Oregon, at $62,707 submitted only other bid. Bids rejected.

BIDS WANTED

FAIRFAX, Marin Co., Calif.—Until July 20, 8 P. M., bids will be received by Fairfax City Council, Leslie A. Grosbauer, Clerk, for road improvement in the town of Fairfax, as follows:

Improvement of Tamalpais Road from Madrona Road to its intersection with Scenic and Maple Road, Scenic Road from Wood Trail to Maple Road, Maple Road for its entire length, Redwood Road from Scenic Road to Park Road, Park Road from Scenic Road to the west line of Lot 13, Block N, Ridge Road from Park Rd. to and including the circle fronting Lot 4, Block K, Fairfax Manor Tract, by grading, paving, curbing, guttering, sewering and draining, and the construction of a retaining wall and head walls.

The work involves:

(1) 15,410 cu. yds. grading;
(2) 10,380 lin. ft. curb and gutter;
(3) 164,622 sq. ft. paving;
(4) 186 lin. ft. 10-in. culvert;
(5) 356 lin. ft. 12-in. culvert;
(6) 192 lin. ft. 18-in. culvert;
(7) 46 lin. ft. 48-in. culvert;
(8) 22 catchbasins;
(9) 250 lin. ft. 6-in. sanitary sewer.

Estimated cost, $30,235.45. Specifications and plans obtainable from City Engineer J. C. Oglesby, 530 B St., San Rafael.

BIDS OPENED

BAKERSFIELD, Kern Co., Calif.—The Seagrave Corp., Columbus, Ohio, at $18,304.44 submitted low bid June 11 to the Bakersfield City Council, V. Van Riper, City Clerk, for the rental of two booster pump tank apparatuses for use of the Bakersfield Fire Department. The lease is to include option to renew and options to purchase.

Complete bids follow:

The Seagrave Corp., Columbus, O., $18,304.44.

Pacific Fire Extinguisher Co., San Francisco, $19,080.00.

Mack - International Motor Truck Corp., New York City, $20,572.13.

Bids held under advisement until July 2.

BIDS WANTED

SANTA ROSA, Sonoma Co., Cal.—Until July 3, 12 noon, bids will be received by Geo. P. Sanborn, clerk of the Board of Supervisors, Sonoma County, for the grading of McClellan Road in Fourth Supervisorial District. The work involves:

(1) 6,000 cu. yds. unclass. excavation;
(2) 35 cu. yds. Class A conc. box culvert;
(3) 2,000 lbs. reinf. steel;
(4) 30 lin. ft. 12-in. concrete pipe in place;
(5) 70 lin. ft. 24-in. do;
(6) 66 lin. ft. 30-in. do;
(7) 3,700 lin. ft. fencing;
(8) 3 12-ft. gates.

Plans and specifications obtainable from the above and from the county engineer.

BIDS WANTED

OAKLAND, Calif.—Until June 26, 2 P. M., bids will be received by Oakland City Council for furnishing one City Service fire truck for the City Fire Department.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

GRAND COULEE, WASH. — DAM AND POWER PLANT — (GOVT.)

GRAND COULEE, Wash.—Silas Mason Co., Inc., 500 Fifth Ave., New York City, at $29, 339, 301.50, as previously reported, submitted low bid to the U. S. Bureau of Reclamation, Civic Bldg., Spokane, for the construction of the Grand Coulee Dam and Power Plant. The Six Companies of Washington Inc., at $34,555,582 submitted the only other bid.

Firms bidding with Silas Mason Co., Inc., were: Guy F. Atkinson, Russ Bldg., San Francisco; W. E. Kier, 747 Third St., San Diego; and Walsh Construction Co., Donahue Bldg., Davenport, Iowa. S. A. Mason, E. J. Walsh, Guy Atkinson and W. E. Kier were named on the bond security as officials.

The Six Companies of Washington, Inc., is composed of the Utah Const. Co., Bechtel Bros., MacDonald and Kahn, Warren Bros., J. F. Shea Co., Inc., Kaiser Paving Co., J. A. McEachern Co., Inc., and Morrison-Knudsen.

Unit bids follow:

	Silas Mason	Six Companies
(1) lump sum, diversion and care of river during construction & unwatering foundations;	$3,500,000.00	$5,000,000.00
(2) 200,000 cu. yds. excavation, all classes, stripping sand and gravel deposits;	.30	.25
(3) 11,000,000 cu. yds. excav., common, for foundations of dam and power house;	1.00	1.10
(4) 800,000 cu. yds. excav., rock, do;	2.00	3.00
(5) 1,500 cu. yds. excav., all classes, in adit tunnels;	8.00	15.00
(6) 50,000 cu. yds. backfill;	.40	.50
(7) 30,000 cu. yds. riprap;	1.00	3.00
(8) 200 cu. yds. rubble masonry walls	12.00	10.00
(9) 10,000 lin. ft. drilling "B" grout holes not more than 30 ft. deep;	.75	1.20
(10) 8,000 lin. ft. successive drilling "B" grout holes not more than 30 ft. deep;	1.00	1.70
(11) 27,000 lin. ft. drilling "A" grout holes more than 30 ft. deep and not more than 50 ft. deep;	2.00	1.80
(12) 15,000 lin. ft. drilling "A" grout holes more than 50 ft. deep and not more than 100 ft. deep;	2.00	2.50
(13) 1,000 lin. ft. drilling "A" grout holes more than 100 ft. deep and not more than 150 ft. deep;	2.00	3.00
(14) 1,000 lin. ft. drilling "A" grout holes more than 150 ft. deep and not more than 500 ft. deep;	2.00	5.00
(15) 500 lin. ft. drilling drainage holes not more than 25 feet deep in dam foundation;	2.50	2.00
(16) 18,000 lin. ft. drilling drainage holes more than 25 ft. deep and not more than 50 ft. deep in dam foundation;	2.50	2.50
(17) 500 lin. ft. drilling drainage holes more than 50 ft. deep and not more than 100 ft. deep in dam foundation;	2.50	3.00
(18) 600 lin. ft. drilling drainage holes more than 100 ft. deep and not more than 150 ft. deep in dam foundation;	2.50	5.00
(19) 1,000 lin. ft. drilling holes for anchor bars and grouting bars in place;	1.00	1.00
(20) 14,000 cu. ft. low pressure grouting foundations and adit tunnels	1.00	1.00
(21) 25,000 cu. ft. high pressure do;	1.00	1.50
(22) 50,000 lin. ft. manufacturing and placing whole units of porous concrete drain tile;	.50	.85
(23) 17,000 lin. ft. manufacturing and placing split units of porous concrete drain tile;	.75	.70
(24) 3,100,000 cu. yds. concrete in dam;	3.00	3.40
(25) 600 cu. yds. concrete in parapets;	15.00	15.00
(26) 700 cu. yds. concrete in training walls above elevation 935;	10.00	12.00
(27) 34,000 cu. yds. concrete in trash-rack structures;	10.00	15.00
(28) 400,000 cu. yds. concrete in spillway buckets, permanent cofferdams, penstock anchors, and gravity walls;	4.50	3.80

The general plan for the Grand Coulee dam provides for progressive development involving two principal stages of construction and the successive installation of power units. Plans for the ultimate development include a concrete straight-gravity dam about 500 feet high above the lowest point in the foundation, with a crest length of about 4,000 feet, and a power plant containing eighteen 105,000 kilowatt units. The river channel section of the dam will have an overflow spillway 1800 feet long, at each side of which, and immediately below the dam abutments, nine units of the power plant will be installed. The first development, which is covered by these specifications, includes the main portion of the excavation for the high dam, the construction of a concrete straight-gravity dam to an elevation of about 200 feet below that planned for the high dam, construction of a permanent downstream cofferdam, and the construction of a power plant at the extreme left of the dam, as shown on the drawings. The permanent cofferdam, located below the toe of the low dam, will be constructed to form the toe of the high dam and the downstream portions of future power houses. The foundation rock near the heel of the dam will be drilled and grouted from a longitudinal gallery to be formed in the base of the dam near the foundation, and through a line of pipes connecting the gallery with the foundation rock. The concrete of the dam will be built in sections with vertical contraction joints. A system of pipes will be installed for use in pressure grouting the contraction joints after shrinkage has taken place in the concrete, and the grouting will be done from longitudinal galleries to be formed in the dam at elevations of approximately 50-ft. intervals. In the right side of the spillway section of the dam twenty regulating outlets will be formed thru the dam, each controlled by a tandem installation of 5-ft. 8-in. by 10-ft. high pressure hydraulically - operated slide gates, with inlets protected by ten concrete and steel trash-rack structures. The power inlets will be served by 18-foot diameter plate steel penstocks regulated by bulkhead gates at the inlets and butterfly valves near the turbines. The inlet gates will be protected by concrete and structural steel trash-rack structures. Penstocks, with the lower ends temporarily capped, will be constructed through the dam for proposed future power units. Due to uncertainty, at the time of issuing these specifications and drawings, as to the best manner of meeting the problem of passing fish over or past the dam, no provisions therefor are included in these specifications.

The Grand Coulee power plant will be located at the downstream toe of the dam and will consist of two power houses, one on each side of the river, adjacent to the central spillway section of the dam. Each building will be ultimately constructed to accommodate nine main power generating units and, in addition, the building on the west side of the river will provide space for two station service units, a machine shop, control room, offices, and general station operating facilities. The initial power development will consist of the construction of that portion of the west end of the building on the west side of the river re-

	Silas Mason	Six Companies
(29) 515 cu. yds. concrete in adit tunnel lining;	15.00	15.00
(30) 30,000 cu. yds. concrete in power house below turbine floor;	7.00	10.00
(31) 33,000 cu. yds. concrete in power house above turbine floor;	10.00	18.00
(32) 16,600 sq. yds. special finishing of concrete surfaces;	.60	.50
(33) 25,000,000 lbs. placing reinf. bars;	.01	.15
(34) 25,000 intersections insulating reinforcement bars;	.05	.11
(35) 115,000 lin. ft. installing metal sealing strips in contraction joints;	.25	.45
(36) 10,000 lin. ft. installing metal seals in power house below high tail-water level;	.50	.60
(37) 620 lin. ft. of joint installing metal seals in power house above high tail-water level;	1.00	1.00
(38) 52,000 sq. ft. installing cork board in expansion joints;	.05	.10
(39) 6,232,000 lbs. installing high-pressure hydraulically-operated gates and metal conduit lining;	.01	.013
(40) 45,000 lbs. installing control apparatus for high-pressure gates;	.05	.05
(41) 1,000,000 lbs. installing penstock and draft tube bulkhead gates;	.01	.013
(42) 8,710,000 lbs. installing power penstocks;	.01	.02
(43) 2,522,000 lbs. installing butterfly valves and operating mechanisms;	.01	.013
(44) 2,300,000 lbs. installing traveling and gantry cranes;	.01	.01
(45) 203,000 lbs. installing track rails;		
(46) 4,242,000 lbs. installing trash-rack metal work;	.01 .01	.02 .01
(47) 1,600,000 lbs. installing structural steel in power house;	.01	.013
(48) 1,200,000 lbs. installing metal tubing, steel and cast iron pipe, fittings and valves;	.05	.07
(49) 7,400 pounds installing aluminum curbs and hanrrailings;	.05	.15
(50) 31,000 sq. ft. installing asphalt-saturated felt roofing, complete with flashing;	.05	.12
(51) 12,000 sq. yds. installing concrete floor topping and base;	.30	1.50
(52) 3,300 sq. yds. installing colored concrete floor topping & base;	.40	1.75
(53) 100 cu. yds. light-weight concrete in floors;	8.00	20.00
(54) 150 sq. yds. thin walls of metal lath and plaster;	2.50	1.40
(55) 1,100 sq. yds. hollow walls of metal lath and plaster;	3.00	2.50
(56) 1,800 sq. yds. hollow tile curtain walls;	2.50	1.40
(57) 1,500 sq. yds. placing metal lath and plaster on temporary end walls;	2.00	1.20
(58) 770 sq. yds. suspended ceilings;	2.50	2.50
(59) 2,000 sq. yds. painting conc. walls;	.20	.60
(60) 52,000 lbs. installing metal stairways;	.05	.03
(61) 182,000 lbs. installing metal floor plates and gratings;	.02	.015
(62) 15,000 lbs. install drainage pump and fittings;	.04	.03
(63) 1,670 sq. ft. installing metal rolling doors;	.20	.50
(64) 2,100 sq. ft. installing metal swinging doors;	.20	.50
(65) 3,600 sq. ft. installing metal sash windows;	.25	.20
(66) 1,000 sq. ft. of window installing metal sash window operators;	.25	.50
(67) 5,000 lbs. installing sheet metal work;	.25	.15
(68) 400 sq. ft. installing metal partitions;	.40	.25
(69) 100,000 lbs. installing miscel. metal work;	.05	.08
(70) 2,500 lbs. installing plumbing fixtures and appurtenant hardware	.25	.20
(71) 60,000 lin. ft. installing electrical metal conduit not larger than 1¼-in. diameter;	.10	.15
(72) 75,000 lin. ft. do larger than 1¼-in. diameter and not larger than 3-in. diameter;	.15	.30
(73) 9,000 lin. ft. do 3½-in. and over in diameter;	.20	.45

quired for the installation of three main generating units, two station service generating units, and common station facilities; the installation of such units and facilities; and the construction, on both sides of the river, of permanent cofferdams, which will later become parts of the power houses to permit future unwatering of the foundations when necessary to permit construction of the remaining portions of the power houses. The construction of the initial power development only is covered by these specifications. The hydraulic and electrical apparatus, auxiliary equipment, and wiring will be installed by the Government. The contractor will be required to place all concrete around such apparatus as is installed prior to the completion of the dam. Steel penstocks 18-ft. in diameter will be installed through the low dam for all of the eighteen main power units. The penstocks for the three initial units will be extended to the butterfly valves in the power house, and metal bulkheads will be installed at the lower ends of the other penstocks immediately below where they emerge from the face of the low dam. Steel penstocks, 4 ft. 6 in. in diameter, will be installed for the two station service units.

Materials Furnished by Government:

The Government will furnish cement for use in concrete, mortar, plaster, grout and asphalt mastic; admixtures, if required, for use in concrete; reinforcement bars and rubber tubing and tape for insulating reinforcement bars where required; non-corrosive metal sheets and rivets for contraction joint seals; corkboard for expansion joints; anchor bars, rods, and bolts; metal tubing, metal pipe, and fittings; gates, gate hoists, operating mechanisms and appurtenances; conduit lining castings plate steel penstocks; butterfly valves and operating mechanisms; motor-driven drainage pump and accessories for permanent installation in the dam; cranes, crane rails and track supplies; structural steel for power house and other structures; trash-rack metal work; welding rods required for field erection or installation of metal work, except welding rods for welding contraction joint sealing strips; asphalt-saturated felt, asphalt, reglets, nailcrete, and other roofing materials, except mineral aggregates for asphalt mastic; factory-mixed materials for colored concrete floor topping; gas-forming compound for light-weight concrete; metal lath, structural channels, tie wire, wire inserts, and cinch anchors for thin and hollow walls of metal lath and plaster, suspended ceilings, and temporary end walls; hydrated lime and hair or fiber for plaster; hollow tile for walls; metal stairways; floor plates and gratings; metal doors; metal sash windows and window operators; metal partitions; metmetal work; metal stair nosing; ladal sheets and fabricated parts for sheet der rungs; hatchway and manhole frames and covers; plumbing fixtures and appurtenant hardware; electrical conduits and fittings; metal grounding rods and wires for electrical grounding system; resistance thermometers, strain meters, and joint meters, electric cables and accessories; paint and coating materials. The plate steel penstock pipes will be delivered to the contractor at a field fabricating plant at the head of Grand Coulee. All other materials furnished by the Government will be delivered to the contractor f.o.b. cars at Odair, Wash., or at such other railway point or points as may be mutually agreed upon by the contractor and the contracting officer.

Materials To Be Furnished By The Contractor

The contractor will be required to furnish all sand and broken rock or

gravel for concrete; sand for grout, mortar and plaster; aggregates for porous concrete drain tile; mineral aggregates for asphalt mastic for roof covering; aggregates for concrete floor topping, except factory-mixed materials for colored concrete floor topping; all form materials, including bolts, spikes and nails and oil for oiling forms; timber for tunnel timbering, if required; all wire, wire ties, or other appliances used for holding forms and for securing reinforcement bars; metal or other temporary supports, if used, for reinforcement bars, tubing, pipe and other metal work; all backfill materials; rock for riprap and rubble masonry; all water for mixing, cleaning and curing concrete, mortar, and plaster, and for drilling and grouting operations; joint compound for joints in gate control piping; oakum or other suitable materials for caulking grout pipes; brazing or welding materials for contraction joint sealing strips; nails, tie wire, and temporary supports for contraction joint grouting units and grout pipe; fitting-up bolts and draft pins for erecting all structural steel; waterproof covering for concrete floor topping; muriatic acid for cleaning hollow tile walls.

The construction program provides for beginning for the river diversion on July 1, 1934, the main excavation for the dam on August 1, 1934, the placing of concrete in the dam on Sept. 1, 1935, and for the completion of the mass concrete in the dam on October 1, 1937.

The work shall be commenced within 30 calendar days after date of receipt of notice to proceed and shall be completed within 1650 calendar days from the date of receipt of such notice.

Bid security in the sum of $2,000,000 will be required.

Performance bond in the sum of $5,000,000 will be required.

Liquidated damages in the sum of $2,000 will be assessed for each calendar day delay not excusable pursuant to Article 9 of Government Form No. PWA 51.

CONTRACT AWARDED

SAN RAFAEL, Marin Co., Calif.—Peres & Gatto, 463 10th St., Richmond, awarded contract by San Rafael Board of Education for emulsified asphalt surfacing on driveways and walks of the high school grounds. The work involves:

(1) 1500 gallons emulsified asphalt for patching subgrade;
(2) 50 tons crushed rock screenings for patching subgrade;
(3) 38,000 sq. ft. emulsified asph. surf.

ALTERNATE

(4) 47,700 sq. ft. emulsified asph. surf.

Specifications obtainable at above office.

Complete bids follow:
(A) Peres & Gatto, Richmond.
(B) Lee J. Immel, Berkeley.
(C) E. H. Force, San Anselmo.
(D) Frank J. Main, Fairfax.
(E) Hayward Building Materials Co., Hayward.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$.0285	$.10	$.08	$.18	$.15
(2)	1.85	3.15	2.50	4.90	4.00
(3)	.025	.029	.03	.03	.0325
(4)	.025	.027	.03	.03	.0325

Engineer's estimate, $1,391.25.

BIDS OPENED

SAN FRANCISCO.—Frank O'Shea, 2100 17th St., at $31,937 submited the low bid to the Public Utilities Commission, Room 287, City Hall, for the repaving of street or sidewalk openings for the San Francisco Water Department for the fiscal year ending June 30, 1935.

Total bids follow:
(A) Frank O'Shea, $31,937.60.

(74) 750 lin. ft. installing fiber conduit	.25	.20
(75) 50,000 lbs. installing ground wires and ground rods;	.05	.10
(76) 100,000 lin. ft. installing electrical cable for resistance thermometers, strain meters, and joint meters embedded in concrete;	.05	.05
(77) 300 cars transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in car lots between delivery yard and Government siding at head of Grand Coulee;	25.00	30.00
(78) 15,000 cwt. transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in less than car lots bet. delivery yard and Government siding at head of Grand Coulee;	.25	.15
(79) 100 cars transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in car lots between delivery yard and siding at Government warehouse;	30.00	50.00
(80) 10,000 cwt. transporting freight of all kinds on the construction railroad for the Government or its agents, other than the contractor, in less than car lots bet. delivery yard and siding at Government warehouse;	.25	.20
(81) 8,000 tons transporting freight of all kinds for the Government or its agents, other than the contractor, bet. Government siding at head of Grand Coulee and power house.	2.00	5.00
(82) 3,000 tons transporting freight of all kinds, for the Government or its agents, other than the contractor, between siding at Government warehouse and power house;	2.00	3.50
(83) lump sum, turning part of construction plant over to the Government, as provided in paragraph 28 of the specifications;	100,000.00	100.00
(84) lump sum, turning camp buildings and improvements over to the Government, as provided in paragraph 44 of specifications;	25,000.00	100.00
(85) lump sum, turning transmission line and substation facilities over to the Government, as provided in paragraph 52 of specifications.	25,000.00	100.00

All bids held under advisement.

LOS ANGELES — Vet's. Bldg. Roads — Govt.)

LOS ANGELES, Cal.—T. E. Shafer, 405 Rampart Blvd., Los Angeles, submitted the apparent low bid to the Veterans' Administration, 764 Arlington Bldg., Washington, D. C., for constructing and finishing complete roads curbs and gutter, etc., at the cemetery, Veterans' Administration Facility, Los Angeles, Proposal No. 215-2 R. C. & G. The work will consist of excavating and grading for roads, combined concrete curb and gutter, disintegrated granite base, premixed oiled macadam surface, catchbasins, corrugated culverts, flagpole, etc.

The work involves:
(1) 2968 cu. yds. excavation;
(2) 4 catchbasins;
(3) 60 ft. 12-in. cast iron culverts;
(4) 52 ft. 18-in. cast iron culverts;
(5) 2 headwalls;
(6) 17,680 lin. ft. curb and gutter;
(7) 15,252 sq. yds. 3-in. decomposed granite with 2-in. pre-mix surf.
(8) alt. to item 1, 280 cu. yds.;
(9) alt. to item 2, 2 catchbasins;
(10) alt. to item 3, 20 ft. 12-in. C. I. culverts;
(11) alt. to item 5, 2 headwalls;
(12) alt. to item 6, 6240 lin. ft. curb and gutter;
(13) alt. to item 7, 4320 sq. yds.;
(14) lump sum, extra parking area;
(15) lump sum, flagpole.

Bidders were:
(A) T. E. Shafer, Los Angeles.
(B) Martter & Bock, Los Angeles.
(C) Los Angeles Paving Company.
(D) O'Neal & Son, Los Angeles.
(E) J. L. McClain, Los Angeles.
(F) Griffith Co., Los Angeles.
(G) R. A. Wattson, Los Angeles.
(H) George Hess, Los Angeles.

Unit prices follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
(A)	$.60	$75	$1.52	$2.06	$21	$.62	$.56	$.60	$75	$1.52	$21.00	$.62	$.56	$	$ .....
(B)	.30	80	2.00	2.50	12	.65	.63	.40	80	2.00	12.00	.65	.63	1450.00	1275.00
(C)	.50	90	3.00	3.25	50	.63	.575	.50	90	3.00	50.00	.63	.575	1380.00	2800.00
(D)	.50	80	1.75	2.40	30	.56	.70	.70	90	2.00	30.00	.60	.73	1850.00	1216.00
(E)	.60	80	2.50	4.00	50	1.00	.63	.60	80	2.50	50.00	.75	.63	1500.00	1700.00
(F)	.36	80	2.00	3.00	60	.75	.63	.36	80	2.00	60.00	.75	.63	1674.00	2500.00
(G)	1.10	90	2.10	3.25	25	.65	.585	1.10	90	2.10	25.00	.65	.585	1729.20	2025.00
(H)	1.58	97	1.64	2.00	19	.78	.89	1.80	92	1.56	18.00	.75	.85	1872.00	1253.00

All bids held under advisement.

(B) Pacific Pavements Co., $32,271.00.
(C) Lowrie Paving Co., $42,594.00.
(D) S. F. Dept. of Public Works, $34-931.00.

Unit quantities follow:
(1) 30,000 sq. ft. light traffic concrete paving base and Wearing surface;
(2) 100 sq. ft. heavy concrete with binder and wearing surface;
(3) 14,000 sq. ft. 6-in. Class E conc. pavement;
(4) 500 sq. ft. brick pavement on concrete base, inc. brick gutters
(5) 100 sq. ft. asph. conc., 2½-in. base with 1½-in. wearing surf.;
(6) 400 sq. ft. basalt blocks on conc. base;
(7) 5,000 sq. ft. basalt blocks on sand
(8) 47,000 sq. ft. sidewalk, all types;
(9) 1,000 sq. ft. 2-in. sheet asphalt wearing surface only;
(10) 100 sq. ft. 6-in. Class F concrete base only;
(11) 60,000 sq. ft. asph. conc., 6-in. base with 2-in. wearing surf.;
(12) 100 sq. ft. asph. conc., 8-inch base with 1½-in. binder course and 1½-in. wearing surface;
(13) oiled macadam:
(a) 4-in. base, 100 sq. ft.;
(b) 8-in. base, 2,500 sq. ft.

Unit prices were:

	(A)	(B)	(C)	(D)
(1)	$0.22	$0.225	$0.32	$0.245
(2)	.40	.30	.40	.26
(3)	.17	.20	.27	.20
(4)	.50	.40	.55	.46
(5)	.20	.21	.25	.22
(6)	.30	.20	.35	.18
(7)	.07	.10	.08	.08
(8)	.18	.17	.18	.18
(9)	.08	.10	.10	.08
(10)	.14	.15	.24	.12
(11)	.22	.225	.32	.255
(12)	.40	.30	.40	.25
(13a)	.08	.05	.10	.04
(13b)	.15	.10	.20	.06

All bids held under advisement.

SAN DIEGO COUNTY, Cal.—V. R. Dennis Construction Co., 3911 Fifth Ave., San Diego, at $22,136.75 submitted low bid to the State Highway Engineer, Room 808 State Bldg., Los Angeles, for grading and paving with asphalt concrete about 1 mile between El Cajon and 1 mile east in San Diego County, involving:
(1) 12 each trees, removed and disposed of;
(2) 6100 cu. yds. rdwy. excav. unclass.;
(3) 25,000 sta. yds. overhaul;
(4) 650 cu. yds. struc. excav.;
(5) 350 sq. yds. subgrade preparation;
(6) 11,000 sq. yds. asph. paint binder
(7) 1350 tons crusher run base;
(8) 3400 tons asph. conc. base leveling and Type A surface course
(9) 7 cu. yds. Class A Port. cem. conc. struc.;
(10) 250 lbs. bar reinforcing steel structures;
(11) 950 lin. ft. exist. culverts, remove and salvage;
(12) 560 lin. ft. exist. culverts, clean and relay;
(13) 280 lin. ft. 18-in. CMP;
(14) 30 cu. yds. conc. removed from existing pave. and disposed of;
(15) 0.2 mi. existing fence moved and reset;
(16) 270 M. gals. water;
(17) 270 bbls. heavy fuel oil detours;
(18) 470 bbls. heavy fuel oil shoulders
(19) 12,885 sq. yds. preparing mixing and shaping shoulders;
(20) 10 each culvert markers;
(21) 6 each monuments moved and reset;
(22) 51 stations finishing roadway.

Complete bids follow
(A) V. R. Dennis Constr. Co., San Diego, $22,136.75.
(B) Griffith Co., Los Angeles, $22,-974.25.
(C) Daley Corp., San Diego, $27,186.60

	(A)	(B)	(C)
(1)	$ 10.00	$ 10.00	$ 9.90
(2)	.35	.45	.50
(3)	.02	.044	.01
(4)	1.00	.70	1.10
(5)	.10	.12	.16
(6)	.02	.02	.02
(7)	2.00	2.50	2.42
(8)	3.20	3.36	3.80
(9)	20.00	25.00	33.00
(10)	.10	.05	.16
(11)	.50	.50	1.65
(12)	.50	.75	2.75
(13)	2.00	1.60	1.98
(14)	2.00	2.00	2.30
(15)	520.00	500.00	440.00
(16)	1.00	.75	.44
(17)	2.50	2.50	2.31
(18)	1.75	1.70	1.69
(19)	.05	.05	.02
(20)	2.00	2.00	2.75
(21)	2.50	2.00	2.20
(22)	10.00	5.00	7.70

June 21, 1934

BIDS OPENED

NEVADA COUNTY, Calif. — L. G. Kipp, 2516 7th Ave., Sacramento, at $15,768.75 submitted low bid for 3.5 miles bituminous surfacing in Nevada County between 0.5 mile east of Hinton and Floriston.

Total bids follow:
(A) L. G. Kipp, Sacramento, $15,768.75
(B) E. A. Forde, San Anselmo, $16,-956.25.
(C) Granite Const. Co., Watsonville, $18,865.00.

Unit quantities follow:
(1) 165 tons asphaltic road oil;
(2) 2,875 tons crushed rock & screenings.

Unit bids follow:

	(A)	(B)	(C)
(1)	$25.00	$20.00	$30.00
(2)	4.05	4.75	4.84

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COMPLETE BIDS

GRAND COUNTY, Utah.—U. B. Lee 1059 Carpentier St., San Leandro, Cal. at $18,137 submitted low bid to the Utah State Road Commission, Salt Lake City, June 14, for construction of 5.586 miles of oil mix surfacing in Grand County, Utah, between Crescent and Valley City.

Complete bids follow:
(A) U. B. Lee, San Leandro, Calif., $18,137.00.
(B) W. W. Clyde, Springville, Utah, $18,453.10.
(C) Engineer's estimate, $18,050.20.

Unit bids follow:
(1) 3,550 bbls. application of oil, Type SC-2;
(2) 300 bbls. do, Type MC-2;
(3) 5.586 miles scarifying and mixing;
(4) 370 cu. yds. sanding seal coat;
(5) 5.586 miles reconstruct shoulders.

	(A)	(B)	(C)
(1)	$ 3.35	$ 3.20	$ 3.30
(2)	5.00	4.80	5.00
(3)	700.00	750.00	600.00
(4)	1.50	1.50	2.50
(5)	50.00	100.00	100.00

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO. — The following bids were received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1207, for furnishing 431,400 ft. of cast iron bell and spigot pipe for San Francisco Water Dept. The work involves:
(1) 80,000 ft. 6-in. coal tar varnish lining;
(2) 160,000 ft. 6-in. do;
(3) 240,000 ft. 6-in. do;
(4) 39,000 ft. 8-in. do;
(5) 78,000 ft. 8-in. do;
(6A) 32,500 ft. 12-in. cement lining;
(6B) 32,500 ft. 12-in. bit. enamel;
(6C) 32,500 ft. 12-in. bare metal lining;
(7A) 65,000 ft. 12-in. cement lining;
(7B) 65,000 ft. 12-in. bit. cement lining;
(7C) 65,000 ft. 12-in. bare metal lining;
(8A) 24,200 ft. 16-in. cement do;
(8B) 24 200 ft. 16-in. bit. enamel lining;
(8C) 24,200 ft. 16-in. bare metal lining;
(9A 48,400 ft. 16-in. cement lining;
(9B) 48,400 ft. 16-in. bit. enamel lining;
(9C) 48,406 ft. 16-in. bare metal lining.

The following bids were received:
National Cast Iron Pipe Co., (1) $.605; (4) $.93; (6A) $1.71 (6C) $1.56 (8A) $2.75 (8C) $2.58.
Pacific States Cast Iron Pipe Co., San Francisco, (1) $.63 (2) $.63 (3) $.63 (4) $.94 (6A) $1.77 (6C) $1.60 (7A) $1.77 (7C) $1.60.
U. S. Pipe & Foundry Co., San Francisco, (1) $.61 (2) $.61 (3) $.61 (4) $.92 (5) $.92 (6A) $1.72 (6C) $1.52 (7A) $1.72 (7C) $1.57 (8A) $2.74 (8C) $2.57 (9A) $2.74 (9C) $2.57.
Wailes-Dove-Hermiston Corp, S. F. (1) $.1675 (2) $.1875.
Central Foundry Co., S. F., (1) $.63 (4) $.94 (6A) $1.82 (6C) $1.65 (8A) $2.84 (8C) $2.65.
American Cast Iron Pipe Co., S. F. (1) $.62 (4) $.91 (5) $.91 (6A) $1.75 (6C) $1.60.
Johns-Manville Sales Corp., S. F., (1) $.204 (2) $.272.
Utilities Supply Co., S. F., (1) $.625 (2) $.625 (3) $.625 (4) $.93 (5) $.93 (6A) $1.82 (6C) $1.65 (7A) $1.82 (7C) $1.65 (8A) $2.82 (8C) $2.64 (9A) $2.82 (9C) $2.64.
All bids held under advisement.

BIDS OPENED

KERN COUNTY, Cal.—Granite Construction Co., Bin No. 9, Watsonville at $26,654.25 submitted low bid to the State Highway Commission, Sacramento, for 28.7 miles fuel oil and asphaltic road oil (cutback) treatment in Kern County between Rio Bravo and 0.5 mile south of Shafter, and between Old Quarry and the westerly boundry of Sequoia National Forest.

Total bids follow:
(A) Granite Const. Co., Watsonville, $26,654.25.
(B) E. A. Forde, San Anselmo, $29,-275.90.
(C) John Jurkovich, Fresno, $32,880.

Unit quantities follow:
(1) 6,300 tons crushed gravel or stone
(2) 320 tons cutback asphaltic road oil;
(3) 8.6 miles mixing and shaping bit. treated material;
(4) 20.1 miles preparing roadbed;
(5) 2,275 bbls. heavy fuel oil.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 2.21	$ 2.30	$ 2.50
(2)	15.00	17.12	16.00
(3)	200.00	250.00	400.00
(3)	120.00	175.00	200.00
(5)	1.67	1.60	2.00

BIDS OPENED

COLUSA COUNTY, Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $146,979.40 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 5.5 miles in Colusa County between Maxwell and Delevan.

Total bids follow:
(A) Hanrahan Co., San Francisco, $146,979.40.
(B) Peninsula Paving Co., San Francisco, $158,962.00.
(C) Chas. L. Harney, San Francisco, $186,719.00.

Unit quantities follow:
(1) 900 cu. yds. rdwy. excav., unclassified;
(2) 1,000 sta. yds. overhaul;
(3) 300 cu. yds. struc. excav.;
(4) 65,200 sq. yds. subgrade for pave.
(5) 450 sq. yds. asph. paint binder;
(6) 27,500 tons asphalt concrete;

(7) 30 cu. yds. Class A Portland cement concrete structures;
(8) 5 cu. yds. do. curbs and sidewalks;
(9) 2 300 lbs. bar reinf. steel struc.;
(10) 53,500 cu. yds. gravel fill;
(11) 104 lin. ft. 12-in. CMP;
(12) 106 lin. ft. 18-in. CMP;
(13) 128 lin. ft. CMP clean and relay;
(14) 328 lin. ft. pipe culverts, remove and salvage;
(15) 1,650 M. gals. water;
(16) 210 cu. yds. concrete removed from existing pave. and struc. and disposed of;
(17) 6 each concrete headwalls moved and reset;
(18) 1.2 miles new property fence;
(19) 1.2 miles remove and dispose of property fences;
(20) 0.05 mile move and reset do;
(21) 10 each drive gates;
(22) 260 bbls. light fuel oil;
(23) 1 only exist. bridge to be moved;
(24) 291 stations finish roadway;
(25) 11 each monuments complete in place.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ .20	$ .375	$ .25
(2)	.01	.02	.02
(3)	1.00	1.20	1.00
(4)	.07	.07	.06
(5)	.02	.035	.05
(6)	3.70	3.70	4.20
(7)	30.00	36.00	20.00
(8)	20.00	23.00	15.00
(9)	.05	.06	.05
(10)	.56	.76	1.00
(11)	2.00	1.30	1.00
(12)	2.50	1.75	2.00
(13)	.50	.85	.50
(14)	.30	.30	.50
(15)	.80	.95	1.25
(16)	1.25	3.00	2.00
(17)	15.00	12.00	20.00
(18)	500.00	600.00	700.00
(19)	60.00	60.00	200.00
(20)	200.00	450.00	300.00
(21)	12.00	35.00	20.00
(22)	1.90	2.60	2.00
(23)	4000.00	3500.00	6000.00
(24)	5.00	6.00	5.00
(25)	2.50	3.50	3.00

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending June 21:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Directors of Joint Highway District No. 13	Broadway low level tunnel Oakland	Six Companies of California, S. F.	$3,683,931.00	May 29
Oakland Port Commission	Warehouse, etc., Outer Harbor Oakland	K. E. Parker Co., San Francisco	$121,000.00	May 29
University of California Regents	Garage alterations, San Francisco	G. P. W. Jensen, San Francisco	$ 50,000.00	May 29
Pasadena City Council	Street improvement	C. O. Osborn Co., Pasadena	$ 51,007.00	May 31
Bear Creek Winery & Vineyard Association	Winery and offices, Ampere, San Joaquin County	Geo. Roek, Stockton	$ 38,883.00	June 1
San Joaquin County Board of Supervisors	Water tube boiler, Stockton	C. C. Moore and Co., San Francisco	$ 14,309.00	June 1
Glendale City Council	1.6 miles street improvement	Southwest Paving Co. Los Angeles	$ 31,199.00	June 1
San Jose City Council	Fox Avenue bridge	Collins & Martin, San Jose	$ 12,150.00	June 5
Sacramento County Board of Supervisors	Lower Stockton Road Trestle	M. A. Jenkins, Sacramento	$ 15,561.18	June 6
Sacramento County Board of Supervisors	Wilder Ferguson Road trestle	M. A. Jenkins, Sacramento	$ 14,125.82	June 6
Sacramento County Board of Supervisors	Timber deck, Fair Oaks bridge	George W. Kopp, Sacramento	$ 12,380.00	June 6
Sacramento County Board of Supervisors	Lower Marysville Road trestle	Campbell Const. Co., Sacramento	$ 11,561.40	June 6
Los Angeles Board of Public Works	Macy Street Storm Drain	United Concrete Pipe Corp., Los Angeles	$200,969.40	June 7
Drain, Oregon, City Council	Waterworks system improvements, Drain	D. P. Slater, Salem	$ 17,749.00	June 4
Los Angeles Board of Public Works	Tunnel Station Bridge	Person & Thiele, Los Angeles	$ 33,387.41	June 9
Los Angeles Board of Public Works	Sepulveda Blvd. Improvement	Southern Calif. Roads Co., Los Angeles	$ 86,371.84	June 9
Los Angeles County Board of Supervisors	Diamond core drilling, San Gabriel Dam	Cannon Bros., Compton	$ 14,790.00	June 11
Oakland Port Commission	Sprinkler system and fire hose piping, Terminal Bldg. "E"	Albertson McCormick Sprinkler Co., S. F.	$ 15,642.00	June 12
San Francisco Public Utilities Commission	Lighting conduits, 10th, Bryant, Harrison and Fell Streets	Fay Imp. Co., San Francisco	$ 12,489.00	June 12
Public Utilities Comm., S. F.	Merced Manor street lighting system	Central Electric Co., San Francisco	$ 11,900.00	June 12
Department of Public Works, San Francisco	Fifteenth Street sewer	Eaton & Smith, San Francisco	$155,250.80	June 13
Board of Public Works, Los Angeles	Gaffey Street bridge	Person & Thiele, Los Angeles	$152,492.51	June 13
Maywood City Council	Culverts	Kovacevich & Price, South Gate	$ 8,103.50	June 13
San Rafael City Council	Street Improvement	Pacific States Const. Co., San Francisco.	$ 9,275.47	June 14
San Francisco Public Utilities Commission	San Francisco Bay Crossing Pipe Line No. 2 (Secs. A & B)	Western Pipe & Steel Corp., S. F.	$1,732,437.80	June 14
San Francisco Public Utilities Commission	San Francisco Bay Crossing Pipe Line No. 2 (Section C)	American Concrete & Steel Pipe Corp., Oakland	$638,969.30	June 14
Pocatello, Idaho, City Council	Water storage reservoir	Paul Paulsen, Salt Lake City	$113,051.00	June 16
City and County of San Francisco	Laguna Honda School Reconstruction	Wm. Spivock, S. F.	$ 61,290.00	June 16
Los Angeles County Board of Supervisors	Concrete conduit, Glendale	Brock & Clark, L. A.	$ 21,720.63	June 19
Santa Paula City Council	Street improvement	R. A. Wattson, Los Angeles	$ 12,045.18	June 20
San Francisco Department of Public Works	Sixteenth Street sewer	C. C. W. and H. H. Haun, S. F.	$ 49,215.50	June 20
San Francisco Department of Public Works	Visitacion Valley sewer	MacDonald and Kahn Co., S. F.	$ 25,515.15	June 20

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IN THIS ISSUE

$24,000,000 Public Works Fund for S.F.

Port Transit Shed Bids July 17

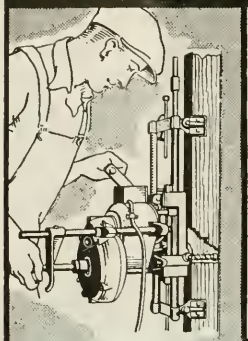
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

JUNE 30, 1934

Vol. XVII—No. 26

WAPPAT Electric TOOLS



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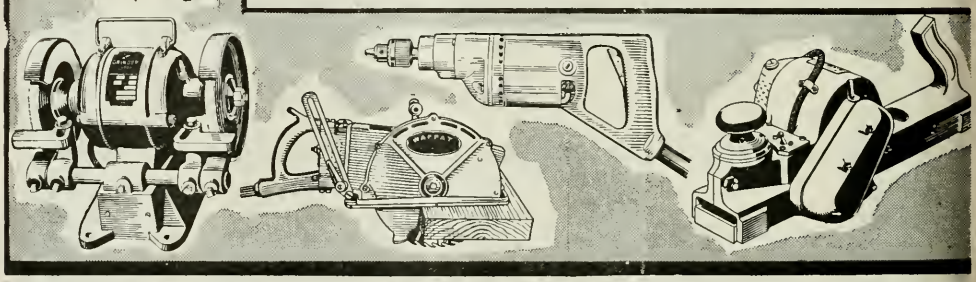

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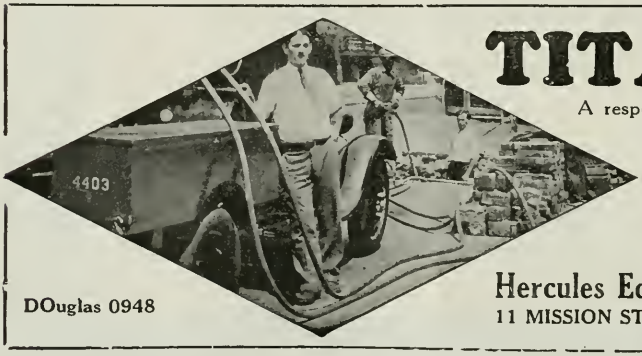

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Vol. XVII SAN FRANCISCO, CALIF., JUNE 30, 1934 No. 26

OAKLAND PLANS 90 TEMPORARY SCHOOL ROOMS

Bids Asked on Seven Contracts For Emergency Housing

To accommodate students during the period of rehabilitation of Oakland school buildings, which must be strengthened to comply with the state earthquake law, the school directors will erect ninety temporary frame bungalows under contract. Advertising for bids to be received Friday, July 13, was commenced yesterday.

Architect W. G. Corlett, commissioned to prepare plans for the reconstruction program, will supervise work on the temporary buildings.

The work is to be let under seven contracts as follows:

1. Eighty-first avenue and Olive street, 12 buildings at Webster school.
2. Nineteenth avenue and East Nineteenth street, 27 buildings at Roosevelt High school.
3. Thorn Rd. and Mountain Blvd. 5 buildings, at Montclair school; Monticello and Fleming avenues, 3 buildings at Maxwell Park school; 103rd avenue and Bigereau street, 3 buildings at Stonehurst school.
4. Tenth and Union streets, 16 buildings at Cole school.
5. Burckhalter and Sunnymere avenues, 5 buildings at Burckhalter school; Thermal avenue and Scott street, 4 buildings at Toler Heights school; Tompkins avenue and Buell street, 2 buildings at John Swett school.
6. Longridge and Sunnyhills road, 5 buildings at Crocker Highlands school.
7. Lincoln avenue and Scenic St., 5 buildings at Sequoia school.

Plans and specifications are available from the office of the architect on deposit of $25 for each contract.

$12,876,497 FOR HIGHWAY WORK

Highway construction in three western states for the fiscal year ending June 30, 1935, will be increased by $12,876,497, according to the division of the new NIRA appropriation announced yesterday by the Secretary of Agriculture. This money is distributed directly to the highway departments to be expended in construction of approved projects as an aid to employment.

California will receive $7,932,206; Nevada, $2,302,356; Arizona $2,641,935.

City Completes $24,000,000 Fund For Public Works

Municipal improvement bonds of San Francisco totaling $5,000,000 were sold to a syndicate of brokers Monday at a record low interest rate of 3.15 percent. The rate of interest is the lowest ever paid.

Bidders on the securities fixed the interest to be paid. Firms participating in the successful bid were Bankamerica Co., Blythe & Co., American Trust Co. and Pressprich & Company.

The money made available by the bond sale completes financing of San Francisco's $24,000,000 PWA construction program. The bonds issued were in two blocks, one of $3,000,000 for school buildings and one of $2,000,000 for the high pressure system.

The bonds were authorized at elections last year, together with issues for water and sewer extensions, airport improvement and raising O'Shaughnessy dam.

Plans for the high pressure system are being completed and contracts will be advertised shortly.

STOCKTON PORT SHED AND WHARF BIDS JULY 17

Plans Ready on $725,000 Unit Of Dock Improvement Program

Bids were asked yesterday by the Stockton Port Commission for a $725,000 wharf and transit shed contract, part of the port's million-dollar construction program for 1934. The work is financed by PWA grant and municipal bond funds.

Bids will be received July 17 on the contract, which calls for construction of 1740 feet of fireproof wharf and a transit shed for four units, containing in all 180,000 square feet of floor space.

Plans were prepared by the engineering department of the commission and are now available on deposit of $50.

Additional wharf and shed facilities are urgently needed due to growing traffic at the port, Col. B. C. Allin states The contractors will be required to complete his work within 200 days

The port recently awarded a contract to O. H. Chain, Stockton, for construction of a cotton compress, which is now in progress. The compress will cost approximately $240,000

VOTE BONDS FOR ANALY BUILDING

Bonds in the amount of $190,000 were approved by voters of Analy Union High School district, Sonoma county, at an election Tuesday. The funds will finance construction of a two-story reinforced concrete building or reconstruction of the existing building in Sebastopol.

Architects Louis Stone and J. R. Rowell have been commissioned to prepare plans.

SANTA CLARA WATER PLAN IS APPROVED

Voters Authorize $2,683,000 Construction Program For Conservation

Voters of the Santa Clara valley approved by a vote of 7 to 1 issuance of $2,000,000 in bonds of the Santa Clara Valley Water Conservation district at a special election Tuesday. The bond money, supplemented by an expected grant of $683,000 from PWA funds will be used in construction of percolation dams and other structures to conserve flood waters and raise the water table of the valley.

The bond vote was 14,377 in favor to 2268 opposed.

Fred H. Tibbetts, Alaska Commercial building, San Francisco, is chief engineer for the district.

Five detention reservoirs are to be constructed, the cost of each being estimated as follows: Coyote, $512,000; Calero, $339 000; Almaden, $214,000; Guadalupe, $330,000, and Stevens, $412-000.

Six percolating reservoirs are estimated at $198,000 and five spreading dams at $58,000.

Connecting conduits, including canals and tunnels will cost $324,000.

The estimated construction items are as follows:

DETENTION RESERVOIRS

(A) Coyote; (B) Calero; (C) Almaden; (D) Guadalupe; (E) Stevens.

DAM

Earth fill, short haul, cu. yds., (B) 338,000; (E) 385,800.

Earth fill, long haul, (C) 157,700; (D) 277,630.

Rock fill, cu. yds., (A) 270,000.

Derrick placed rock, cu. yds., 26,-340.

Stripping foundation, cu. yds., (B) 61,940; (C) 23,300; (D) 35,200; (E) 49,-670.

Core trenching, cu. yds., (A) 950; (B) 19,500; (C) 6,675· (D) 8,400; (E) $12,900.

Paving, sq. ft., (B) 142,800; (C) 58,-600; (D) 92,900; (E) 113,800.

Concrete facing, etc., cu. yds., (A) 3,000.

OUTLET WORKS

Tunnel lined, lin. ft. (A) 750; (B) 608 (C) 700; (D) 870; (E) 1,200.

Valves and gates, each, two for each of the five reservoirs.

SPILLWAY

Excavation, cu. yds., (B) 4,900; (C) 13,800; (D) 25,000; (E) 26,400.

lining, side walls, sq. ft., (B) 12,000; (C) 13,700; (D) 14,500; (E) 26,200.

Lining, floors, sq. ft., (B) 6,000; (C) 6,300; (D) 6,600; (E) 13,800.

Paving, sq. ft., (A) 10,000; (B) 24,-000; (D) 21,000.

Block mattress, sq. ft., (B) 3,000; (C) 2 400; (D) 8,000; (E) 3,200.

Concrete, reinforcement, cu. yds., (A) 900; (B) 235; (C) 329; (D) 235; (E) 518.

ROAD RELOCATION

Moderate topography, miles, (B) 1.6; (C) 2; (D) 2.

Rough topography, miles, (E) 3.0.

PERCOLATING RESERVOIRS

(A) Vasona; (B) Page; (C) Lower Check Dams; (D) Sausage Dams.

Earth fill, cu. yds., (A) 56,700· (B) 6,000; (C) 15,200.

Concrete, reinforced, cu. yds., (A) 432; (B) 510; (C) 1,290.

Radial gates, each, (A) 3.

Block mattress, sq. ft., (A) 4,800 (B) 4,000; (C) 10,200.

Spillway lining, sq. ft., (A) 97,200.

Sausage dams, lin. ft., (D) 6,150.

Calero Canal and Tunnel

Excavation, 40,800 cu. yds.;

lining, 255,000 sq. ft.;

Tunnel, 4,000 lin. ft.

Coyote By-Pass Canal

Excavation, 100,000 cu. yds.;

Reinf. conc. diversion dam, 750 c.y.;

Structures, 460 cu. yds.;

72-in. corru. iron pipe, 90 lin. ft.

LeRoy Anderson of San Jose is president of the district and Herbert C. Jones, attorney.

Associated Oil To Spend $350,000 In Service Station Modernization

A construction program calling for an expenditure of $350,000 on the Pacific Coast within the next few months for building new service stations and remodeling present units was announced yesterday by the Associated Oil Company.

This is the largest retail outlet construction program undertaken by the company in recent years and is the direct result of improved business conditions, particularly affecting the automobile and petroleum industries, B. I. Graves, vice-president in charge of sales, declared.

Twenty-eight new service stations in cities from Seattle to Los Angeles are either under construction or will be started shortly, Graves announced. The program extends as far west as the Hawaiian Islands, calling for a new station in Honolulu. Cities listed in the construction program include Seattle, Tacoma, Vancouver, Washington; Portland, Salem, Pendleton, Oregon; San Francisco, Sausalito, Oakland, Piedmont, Delano, Gustine, Stockton, San Jose, Bakersfield, Turlock, Ventura, Los Angeles and Honolulu.

A policy of awarding all construction work to local contractors in each city and purchasing materials as far as possible from local merchants has been followed by the Associated Oil Company Graves added.

In announcing the construction program, Graves declared:

"Associated Oil Company is undertaking this program in order to keep its service to the motoring public up to the latest requirements. All of the stations will provide complete facilities for not only gasoline and oil, but also for tires, batteries, lubrication service, and sale of household products. Certified clean comfort facilities will be a feature.

"The design of the new stations will follow a simplified, modernistic style, taking all of the best features of stations developed by our engineering department during the last 20 years. They will be constructed mainly of concrete or steel and so arranged to give the dealer a wide, clear vision of the station. A single support of the show-case display type over the pumps, will be another distinguishing feature."

LUMBER PRICE CUT AUTHORIZED

News dispatches from Washington yesterday reported a 10 per cent reduction in lumber prices authorized by the National Retail Lumber Dealers' Association coincident with the signing of the National Housing Act, by which government insurance will be placed behind loans for home repairs. Moderate reductions in other material prices will follow, it has been indicated, in cooperation of supply sources with the campaign planned for repair and modernization of homes. The Interstate Commerce Commission has been given authority to reduce railroad transportation rates on building materials.

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State Construction Code Agency To Ask Regional Office in S. F.; More Funds Required For Local Administration Work

By Floyd O. Booe

The California State Administrative Agency, Divisional Code Authority for General Contractors, held a meeting in San Francisco on June 15 with reference to the matter of administration of the General Contractors' Code in this state. Present at the meeting were the following:

R. D. Watson, chairman.
H. M Walker, vice-chairman
S. M. Griffith, member.
George J. Maurer, member.
B. O. Larsen, member.
Floyd O. Booe, secretary.
F. J. Connolly, asst. secretary.
Wm. E. Hague, guest.
M. A. Mathias, guest.
F. T. Andrews, guest.

Mr. W. A. Bechtel, Jr., a member of the Agency, was unable to be present because of being in the Northwest bidding on the Grand Coulee Dam, and Mr.. Lynn Atkinson, member, who had declined to serve on the Authority was not present for this reason.

The Agency Board devoted an entire day and evening to a study of the most feasible plans of immediately beginning a program of Code functioning in this State. The most difficult problem they were faced with was that of adequate finances to establish such a program and carry it out.

A firm of certified auditors was retained to make a complete audit of registration to date and study and report on the matter of finances required to adequately carry on Code work on behalf of the general contractors in California; and this very exhaustive report is being transmitted to Washington for further review by the National General Contractors' Code Authority. It was very quickly determined that it would be impossible for Code administration in California to properly function with a return of only 40% of registration fees for local administration. A study indicates that not less than 77% of the registration fees of 1/10th of 1% must be returned for use by state and local authorities in Code administration.

The matter of finances is of such great importance to the successful functioning of Code administration that the Agency instructed the Secretary to proceed immediately to Washington and submit a complete budget for approval, along with the various other matters that require immediate decision on the part of the National Authority and to insist on a proper allocation of funds for local administration. Mr. Booe will also present a tentative program for establishment of bid depositories and various other matters of this sort which are important to an immediate establishment of Code administration in every locality.

According to the budget of the National Authority which had been submitted to N. R. A. and copies of which have been received by the State Agency, the intent has been that approximately 75% of fees be returned for local administration; but for some unknown reason the allocations to date to California for local work have only been 40% and Mr. Booe's strongest effort before the Divisional Code Authorities will be to convince them that it will be utterly impossible for the General Contractors' Code to be properly administered in California with such a small return of registration fees. In presenting the case to the National Authority, he will, if required, call upon the members of the Agency to also proceed to Washington in order to back up the presentation of this phase of code work. The entire success of the program in this state will depend upon this allocation of a proper proportion of revenues for adequate local administration.

The agency during its meeting devoted a great deal of time to consideration of plans for bid depositories and various other matters which were formally presented by various representatives appearing at the meeting. It is understood that before such a plan can be placed in effect it must be approved by the Divisional Code Authority in Washington; and a special sub-committee of the agency has been delegated the task of quickly assembling complete information relating thereto, to be taken to Washington by Mr. Booe and by him personally presented, to the end that the State Agency may be given blanket authority to work out the details as rapidly as possible.

According to reports made to the Agency, there are already established in many communities plans of bid deposit and central registration of bids which are functioning successfully and all of these will be used as an urge to the National Authorities to delegate discretionary power to the State Administrative Agency in working out these problems locally.

Effective administration of the Code will be handicapped until the approval of the sub-divisional codes Chapters II-a, II-b, and II-c, on which hearings have been held in Washington and which we understand are on the verge of final approval. Provision will be made in the budget submitted for the proper setting up of administrative units, both statewide and local, under each of the sub-divisions as they come into being; and it is hoped that this complete program may be placed in effect shortly after July 1.

One of the most difficult phases that faces the proper administration of the codes is the long delay occasioned by transmitting reports and correspondence back and forth with Washington. This is particularly detrimental in connection with registration and the return of fees for carrying on local work, it having already been found that it takes more than thirty days to get a return back through local channels. Because of this, Mr. Booe will urge upon the Divisional Code Authority and the Construction Authority as well the importance of the establishment in San Francisco of a regional headquarters for all construction code activities of the eleven western states and endeavor to secure the approval of such establishment while he is in Washington.

The method of handling registration work has already been found to be very cumbersome and strong recommendation will be made in regard to simplifying this procedure and allowing the local administrative agencies to handle and disburse the funds, merely remitting the proper percentage to Washington. This alone would save a considerable item of cost and would mean much more effective administration.

$2,750,000 FOR ADMINISTRATION OF GENERAL CODE

Expenditures and Assessments Of Construction Chapters Approved

Budgets for administration of the codes for several divisions of the Construction Industry, approved by the administrator, became effective June 18, and failure to pay fees or assessments under them will constitute a violation of the codes. The largest is that for the General Contractors' Division, estimated at $2,750,000, which will be met by a fee of one-tenth of one per cent to be collected on all contracts costing in excess of $2,000. This fund will be distributed through 49 state and 290 local boards. Budgets for other divisions effective June 18, are: Construction Industry, Chapter I, $290,300, based on work or value of services registered; Electrical Contracting Division, $455,624, based on one per cent of productive payrolls; Tile Contracting, $78,801, based on percentage starting at 1 per cent of contracts up to $50,000; Painting, Paperhanging and Decorating, $620,000, based on ½ of one per cent of gross sales; Elevator Manufacturers, $58,433, based on 1/5 of 1 per cent of gross sales. The total of all construction code budgets is estimated at $10,000,000 which will be approved for only 6 months.

U. S. Paving Brick Standard Renewed Without Revision

Simplified practice recommendation R1-32, covering vitrified paving brick, has been reaffirmed, without change, as of June 15, 1934, by the standing committee of the industry, in charge of the periodic review of this program, according to an announcement by the division of simplified practice, of the National Bureau of Standards.

This recommendation, which was first proposed and developed by the industry in 1921, has, since that time, been reviewed annually, and revised seven times. In its recent survey, the committee found that 91.5 per cent of the total shipments during the calendar year 1933 were in accordance with the six sizes shown in the simplified practice recommendation.

COURTHOUSE BIDS CLOSE JULY 12

Bids are to be received July 12 by the Tulare County Board of Supervisors for construction of an addition to the county court h use at Visalia. There is available $143,000 in county funds and a PWA grant for the work. The addition was designed by Architect Ernest J. Kump, Fresno. The new building will be four stories of reinforced concrete to house offices of the treasurer, auditor and recorder as well as quarters for various other departments

Figures are being taken on revised specifications, drawn since bids were asked last year and rejected due to excessive cost.

Aerator Basin Bids Invited by Utilities Board

Contract for the construction of the Calaveras Aerator was advertised yesterday by the San Francisco Public Utilities Commission for bids to be received July 6.

The aerator site is about 10 miles southeast of Sunol, Alameda county, near the base of Calaveras dam. The contract will include the areation basin, valve house and screen chamber.

The aeration basin will be a reinforced concrete structure about 68 feet wide by 106 feet long. The valve house will be a wood frame structure about 12 1-2 feet wide by 54 feet long, with cement plaster finish and tile roof. The screen chamber and valve house foundation will be of reinforced concrete.

Principal items include 1240 yards concrete; 160,000 pounds reinforcing steel; 34,000 pounds wrought iron pipe; 160 aerator nozzles; 23,000 pounds cast steel fittings; 28,000 pounds cast iron pipe and fittings; 8 16-inch gate valves; 1 12-inch gate valve; 1 20-inch plug valve; valve house; 60 screens.

Plans and specifications are obtainable at the Water Department, 425 Mason street, Room 605, upon deposit of $20.

BIDS INVITED ON $292,000 IN CITY CONTRACTS

Water System Extension and Sewer Projects Proposals July 18

Bid calls were issued yesterday by the San Francisco Board of Public Works for two new contracts in the city's PWA construction program. The contracts are estimated at $292,000.

Figures on both will be opened July 18.

Construction of a sewer in Brannan street from Ninth street to Center place, requiring 23,681 feet of 5-foot reinforced concrete pipe will be let under one contract at an estimated cost of $257,000.

Extension of Line 2 Section "A" of the Potrero district auxiliary water supply system for fire protection will be let on the same date. The job includes laying approximately six thousand feet of 12-inch cast iron pipe in Potrero Avenue from Twenty-fifth Street to Alameda Street.

The estimate cost is $35,000.

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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
318	United	Dunn	2000
319	Hudaklin	Mager	3000
320	Lerner	Dawe	2000
321	Morton	Knoll	1100
322	Quigley	Owner	3000
323	Quinn	Owner	1900
324	Roydes	Owner	3000
325	Nelson	Owner	1500
326	Starks	Unit	2000
327	Deasy	McSheehy	1777

ALTERATIONS
(318) NE STOCKTON AND GEARY Sts. Alter offices.
Owner — United Drug Co., Boston, Mass.
Plans by Owner.
Contractor—Louis C. Dunn, Monadnock Bldg., S. F. $2000

DWELLING
(319) S LINCOLN WAY 82 W Tenth Ave. One-story and basement frame dwelling.
Owner—Martin Hudaklin, 1216½ 4th Ave., San Francisco.
Architect—Not Given.
Contractor—Mager Bros. & Son, 1359 4th Ave., San Francisco. $3000

PENTHOUSE
(320) NO. 2673 FILBERT ST. Penthouse on present dwelling.
Owner—Mrs. Rose Lerner, Premises.
Architect—Not Given.
Contractor—Leslie C. Dawe, 49 Coventry Road, Berkeley. $2000

ALTERATIONS
(321) NO. 1069 PINE ST. Alter apartments.
Owner—A. W. Morton, 1055 Pine St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco. $1100

DWELLING
(322) S FIFTEENTH ST. 140 W Beaver St. One-story and basement frame dwelling.
Owner—John T. Quigley, 450 36th Ave., San Francisco.
Architect—Not Given. $3000

ALTERATIONS
(323) NO. 239 DAY ST. Alter flats.
Owner—W. J. Quinn, Premises.
Plans by W. R. Lindeman, 829 44th Ave., San Francisco. $1900

ALTERATIONS
(324) NO. 676 HAIGHT ST. Alter flats and store.
Owner—F. Roydes, Premises.
Plans by Unit Constr. Co., 557 Market St., San Francisco. $3000

DWELLING
(325) W 41st AVE 150 S Judah St.; one-story frame dwelling.
Owner—A. Nelson, 817 Ulloa St.
Architect—Not Given. $1500

ALTERATIONS
(327) 9 STOCKTON ST.; alter store.
Owner—Starks Millinery, 9 Stockton.
Architect—George A. Applegarth, 672 Russ Bldg.
Contractor—Unit Bilt Fixture Co., 963 Harrison Street. $2000

REPAIRS
(327) 345 15th AVE.; repair fire damage to flats.
Owner—Denis Deasy, 345 15th Ave.
Architect—Not Given.
Contractor—J. B. McSheehy, 137 Clifford Terrace. $1777.33

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
250	Confer	Confer	5000
251	Simmons	Owner	4500
252	Pacific States	Seymour	2000
253	Nelles	Owner	1500
254	Calkins	Appelbe	1500
255	Guilford	Owner	1900
256	Pearce	Early	1000

DWELLING
(250) NO. 26 ASCOT COURT, OAKLAND. Two-story 6-room dwelling.
Owner—F. L. R. Confer, 2812 Russell St., Berkeley.
Architect—F. L. R. Confer, 2812 Russell St., Berkeley.
Contractor—F. W. Confer, 976 Keeler Ave., Berkeley. $5000

DWELLING
(251) NO. 1411 ADA ST., BERKELEY One-story 5-room frame dwelling and garage.
Owner—A. L. Simmons, 2124 McKinley St., Berkeley.
Architect—Not Given. $4500

ALTERATIONS
(252) NO. 2164 SHATTUCK AVE., BERKELEY. Alterations.
Owner—Pacific States Savings & Loan Co., San Francisco.
Architect—Not Given.
Contractor—Seymour Fixture & Show Case Co., 604 Mission St., San Francisco. $2000

ALTERATIONS
(253) 7575 GREENLY DRIVE, OAKLAND; alteration and addition.
Owner and Contractor—James S. Nellis, 7575 Greenly Drive, Oakland.
Architect—Not Given. $1500

ALTERATIONS
(254) NO. 28 INGLEWOOD ROAD, BERKELEY. Alterations and additions.
Owner—J. U. Calkins, Premises.
Architect—Not Given.
Contractor — Frank G. Appelbe, 2405 Acton St., Berkeley. $1500

DWELLING
(255) NO. 942 AQUARIUS WAY, OAKLAND. One-story five-room dwelling.
Owner—M. Guilford, 8024 Broadway Terrace, Oakland.
Architect—Not Given. $1900

REPAIRS
(256) NO. 1876 SAN PABLO AVE., BERKELEY. Repair fire damage.
Owner—Dr. C. H. Pearce, San Francisco.
Architect—Not Given.
Contractor — Fred J. Early Jr., 366 40th St., Oakland. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
66	Hudaklin	Mager	3950

DWELLING
(66) S LINCOLN WAY 82 W Tenth Ave. All work for one-story and basement frame dwelling.
Owner—Martin and Emilie Hudaklin, 1216½ Fourth Ave., San Francisco
Architect—Not Given.
Contractor—Mager Bros. & Son, 1359 Fourth Ave., San Francisco.
Filed June 21, '34. Dated June 21, '34.
Frame up 987
Brown coat plaster on 987
Upon completion 987
Usual 35 days 987
TOTAL COST, $3950
Bond, limit, forfeit, none. Plans and specifications filed.

PENTHOUSE
(67) NO. 2673 FILBERT ST. All work for penthouse on present dwelling.
Owner—Rose Lerner, Premises.
Architect—Not Given.
Contractor—Leslie C. Dawe, 449 Coventry Road, Berkeley.
Filed June 21, '34. Dated June 21, '34.
On signing contract $200.00
Completion of carpentry 575.00
Completion of plastering 575.00
Upon completion 575.00
Usual 35 days 572.90
TOTAL COST, $2497.90
Bond, $2497.90. Surety, American Employer's Insurance Co. of Boston. Limit, 60 woroking days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
43	Standard	Scott	13536
44	Roth	Burnett	16580
45	Federal	Lindgren	87632

PLUMBING
(43) 921 98th AVE., Oakland; plumbing work.
Owner—Standard Brands, Inc. ,Emeryville.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Scott Co., 113 Tenth St., Oakland.
Filed June 22, '34. Dated May 9, '34. This contract for bond only.
TOTAL COST, $13,536.00
Bond, $13,536. Sureties, Fidelity and Deposit of Maryland. Spec. filed.

RESIDENCE
(44) PARNASSUS ROAD Near Campus Drive, Berkeley. All work for residence.
Owner — Mrs. Angela W. Roth, 931 Hillcrest Circle, Oakland.
Architect—Howard Burnett, 931 Hillcroft Circle, Berkeley.
Contractor—Geo. J. Maurer, 50 York Drive, Piedmont.
Filed June 25, '34. Dated June 23, '34.
Joists in place $3316
Roof on 3316
When plastered 3316
When Completed 3316
Usual 35 days 3316
TOTAL COST, $16,580
Bond, none. Limit, Dec. 1, 1934. Forfeit, none. Plans and specifications filed.

ALTERATIONS & ADDITIONS
(45) FIFTEENTH and Clay Streets, Oakland; alterations and additions.
Owner—Federal Lank Bank, Berkeley.
Architect — James W. Plachek, Mercantile Bank Bldg., Oakland.
Contractor — Lindgren and Swinerton, 1725 Webster St., Oakland.
Filed June 25, '34. Dated June 25, '34.
1st and 15th of each month 75%
Usual 35 days 25%
TOTAL COST, $87,632
Bond, $87 632. Sureties, New Amsterdam Casualty Co. Forfeit, $100 per day. Limit, August 18, 1934. Plans & specifications filed.

SAN FRANCISCO UNDER $1000

ALTER laundry, $488; SE corner 17th and Sanchez; owner, New Method Laundry Co., 17th and Sanchez; architect, W. H. Archer, 564 Market St.; contractor, B. A. Howkins Co., 1182 Market St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Plans Being Completed.

ALTERATIONS Cost, $——
SAN FRANCISCO. No. 1060 Pine St.
Alterations and addition to three-story frame flat building for apartment building to contain 12 apts. (work involves, carpentry, painting, plumbing, tile work, stairs, etc.)
Owner—Withheld.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Bids will be asked in about one week and it is not determined whether bids will be taken on a general contract or segregated bid basis.

Bids Rejected—Plans To Be Revised

ALTER APARTMENTS Cost, $——
SAN FRANCISCO. Folsom and 12th Sts. (1629 Folsom St.)
Alterations to three-story frame and stucco apartment building (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St., San Francisco.
Plans will be revised and new bids asked shortly. On previous bid opening lowest bid was submitted by Moore & Madsen, 557 Market St., at $13,730.

2— BONDS

BOND SOLD

LOS ANGELES, Cal.—Security-First National Bank of Los Angeles, was awarded the $85,000 san Marino City School District bond issue by the Los Angeles County Supervisors June 25 at a premium of $89 and interest of 3¾%. Rowe, Shaw & Co., were awarded the $100,000 Beverly Hills School District issue, at a premium of $502 and interest of 3¾%.

3— CHURCHES

Plans Being Completed

RECTORY Cost, $——
VALLEJO, Solano Co., Calif. Sacramento St. bet. Florida and Kentucky Streets.
Two-story and basement frame and brick veneer rectory (18 rooms) steam heating system, slate or composition shingle roofing, etc.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Building will be occupied by the St. Vincents Ferrer Church (Rev. Father Butler, Rector), Vallejo.
Bids will be asked in about 1 week.

PLANNED

FRESNO, Cal.—Community Methodist Church, Highway City, is contemplating constructing a new church building in Highway City, Fresno Co.

4 — FACTORIES & WAREHOUSES

Plumbing Contract Awarded

MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of 1- 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash)
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboad Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 252 Market St., San Francisco.
Engineer—G. J. Pattiz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Plumbing—Scott Co., 113 10th Street, Oakland, $13,536.
Other awards previously reported.
(9546) 1st report Jan. 21, 1933; 14th, May 10, 1934.

BIDS OPENED

OAKLAND, Cal.—NePage McKenny Co., 7 Front St., San Francisco, at $4662 submitted low bid to City of Oakland Port Commission for furnishing wiring and equipment for light and power for Terminal Building "E," Outer Harbor, Oakland. Following bids received:
NePage McKenny Co., San Francisco, $4662.
Pacific Electric Motor Co., Oakland, $4706.75.
T. L. Rosenberg, Oakland, $4754.
Scott Buttner Electric Co., Oakland, $4883.
Bids held under advisement.

Painting Contract Awarded.

BREW HOUSE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. No. 1025 Cinnabar Street.
Four-story reinforced concrete brew house (24x66 ft.)
Owner—Pacific Brewing & Malting Co. Russ Bldg., San Francisco.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Painting—D. Zelinsky, 165 Grove St., San Francisco.

PLANNED

TORRANCE, Los Angeles Co., Cal. —Hughes-Mitchell Processes, Inc.; W. H. Rose, president, 618 Majestic Bldg., Denver, Colo., has purchased a tract of land at 190th St. and Normandie Ave., Torrance, where the company contemplates erecting a chemical plant.

BIDS OPENED

OAKLAND, Alameda Co., Cal.—Otis Elevator Co., 1 Beach St., San Francisco, at $5640 submitted low bid to City of Oakland Port Commission, for furnishing and installing electric freight elevator for Terminal Building "E" Outer Harbor, Oakland. Only other bid was submitted by Westinghouse Electric Elevator Co., San Francisco, at $7260.

To Be Done By Day's Work.

WAREHOUSE Cost, $3000
SAN JOSE, Santa Clara Co., Cal. Tenth Street near Taylor.
One-story corrugated iron warehouse (80x45 feet).
Owner—Tri Valley Packing Co., Prem.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.

Planned.

ADDITION Cost, $24,000
MODESTO, Stanislaus Co., Cal. Tenth and G Streets.
Addition to bottling plant (1000 bbls. of beer per day).
Owner—J. H. Anderton and William H. Henning (Topaz Brewery), 10th and G Sts., Modesto.
Architect—Not Given.

COMPLETE BIDS

COALINGA, Fresno Co., Calif.—As previously reported, D. A. Loomis, 676 Salem St., Glendale, at $5,528 submitted low bid to the District Engineer, Department of Public Works, Division of Highways, Fresno, for the construction of maintenance station buildings in Coalinga. Buildings consist of one standard truck shelter (valley type) 30x60 feet; one standard gasoline and oil house and one standard (small size) septic tank and leaching field; 1180 lin. ft. of fence and electrical service connections. Work includes excavation, concrete and masonry work, carpentry, mill work, sheet metal, painting, glazing, plumbing and electrical installations.
Complete bids follow:

D. A. Loomis, Glendale	$5,528
Theo. Johanns, San Francisco	5,888
R. P. Moore, Fresno	6,647
R. Hodgson & Sons, Porterville	6,690
T. C. Irwin, Fresno	7,755

BIDS OPENED

LOS ANGELES, Cal.—Until July 11, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, 808 State Office Bldg., Los Angeles, for the construction of maintenance station buildings in the Los Angeles County Park, consisting of one truck shelter (moutain type) one gasoline and oil house and one gasoline tank of 1,000 gallons capacity. Work includes excavation, concrete and masonry work, carpentry and mill work, sheet metal, painting, glazing, plumbing and electrical installations. Plans and specifications may be obtained from the above office upon deposit of $25.00.

BIDS WANTED

PORTLAND, Oregon—Uitil July 6, 11:30 A. M., bids will be received by C. J. Buck, Regional Forester, Portland, for the construction of a warehouse building at Brewer and Yeon Streets, Portland. Bids are being taken on general work with separate bids for plumbing and electrical work. Plans and specifications may be obtained from Room 415, Post Office Bldg., Portland, upon deposit of $25. Certified check for 5% of amount bid required.

Plans Being Figured—Bids Close July 2nd.

WAREHOUSE Cost, $——
SAN FRANCISCO. Bryant and Langdon Streets.
One-story frame warehouse.
Owner—E. Knell, Dodge Riedy, Pacific Bldg., San Francisco.
Barrett & Hilp, 918 Harrison St., are figuring the plans and desire subbids on all portions of the work.

5— FLATS

Contract Awarded.
ALTERATIONS Cost, $3500
SAN FRANCISCO. No. 676 Haight Street.
Alterations to flats and store.
Owner—F. Roydes, Premises.
Plans by Unit Construction Co.
Contractor — Unit Construction Co., 557 Market St., San Francisco.

June 28, 1934

Contract Awarded.
REPAIR FLATS Cost, $2000
SAN FRANCISCO. No. 345 Fifteenth Avenue.
Repair fire damage to flats.
Owner—Denis Deasy, Premises.
Architect—Not Given.
Contractor—J. B. McSheehy, 137 Clifford Terrace, San Francisco.

6— GARAGES & SERVICE STATIONS

Contract Awarded
BUS SHED Cont. Price, $4,627
SALINAS, Monterey Co., Cal. High School Site.
One-story frame and stucco bus shed (100x30 feet).
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 61 Maple St., Salinas.
Contractor—Sam Trondhjem, 45 Geil St., Salinas.
Following bids received:
Sam Trondhjem, Salinas.....$4,627
Fred. Carlsen, Salinas..... 4,720
C. M. Norgrove, Berkeley..... 4,875
W. E. Greene, Salinas..... 4,889
E. Reese, Salinas 4,961
R. Petersen, Salinas..... 5,452

Sub-Contracts Awarded.
STATION Cont. Price, $3748
SAN FRANCISCO. NE Arguello Blvd. and California Street.
One-story Class A service station.
Owner—Union Oil Co., 1096 Mills Bldg. San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Robt. P. Kelly, 2227 20th Ave., San Francisco.
Concrete — Star Concrete Co., 101 France St.
Plumbing — Herman Amsler, 138 7th Avenue.
Electric Wiring—Aetna Electric Co., 1435 Eddy St.
Mill Work—Liberty Mill, 62 Oak Grove Street.
Reinforcing Steel—W. C. Hauck Co.,
Tile Work—Burgess Tile Co., 136 Acadia Street.
Lumber—San Francisco Lumber Co., Beach and Powell Sts.
Hardware — Jackson Hardware Co., 1929 Irving St.

Contract Awarded.
STATION Cont. Price, $1917
HAMILTON FIELD, Marin Co., Cal.
One-story gasoline station.
Owner—U. S. Government (Post Exchange), Hamilton Field.
Plans by Engineering Dept. of Owner.
Contractor — Thomas J. Doyle, 1527 17th Ave., San Francisco.

Concrete Contract Awarded.
ALTER GARAGE Cost, $50,000
SAN FRANCISCO. 17th, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Regents of the University of California, Berkeley.
Architect—Miller & Pflueger, 580 Market St., San Francisco.
Lessee—Pacific Greyhound Lines, Inc. 9 Main St., San Francisco.
Contractor — Geo P. W. Jensen, 320 Market St., San Francisco.

Concrete—Mission Concrete Co., 270 Turk St., San Francisco.
As previously reported, grading lins St.; electric to De Latour Electric Co., 320 Peoria St.; structural steel to Judson-Pacific Co., 609 Mission St. awarded to Devincenzi Bros., 150 Col-

7—FEDERAL BUILDING

PREPARING PLANS
SAWTELLE, Los Angeles Co., Cal. —Veterans' Administration, Construction Division, Arlington Bldg., Washington, D. C., is preparing plans for a new administration building to be built for the Veterans' Administration Facility, Sawtelle. The estimated cost is $250,000.

BIDS OPENED
ALCATRAZ, Cal.—Patterson Bros., 2059 Webster St., Oakland, at $4280 submitted low bid to Warden, Alcatraz Island, for painting interior of Building No. 68, U. S. Penitentiary, Alcatraz. Complete bids follow:
Patterson Bros., Oakland.....$4280
Cramer Bros., San Francisco..... 5480
Raphael Co., S. F..... 6625
Bids held under advisement.

LOW BIDDERS
SALT LAKE CITY, Utah—Patterson Bros., 2059 Webster St., Oakland, at $3740 submitted low bid to Treasury Department, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Salt Lake City, Utah. Guiry Bros. Wallpaper Co., Denver, Colo., at $4980 were second low.

CONTRACT TO BE AWARDED
SAN FRANCISCO—M. J. King, 666 Mission St., at $394 will be awarded contract by Veterans Administration for stuccoing exterior wood of garage building A-68 at Fort Miley.

BIDS OPENED
MONTROSE, Colo.—W. B. Jarvis, 4549 Page Blvd., St. Louis, Mo., at $489 submitted low bid to Treasury Department for painting plaster, etc., in the U. S. Post Office, etc., Montrose, Colo. Following bids received:
W. B. Jarvis, 4549 Page Blvd., St. Louis, Mo., $489.
J. Davies, Colorado Springs, Colorado, $894.
Gus. V. Olsen, Denver, Colo., $994.
Walter J. Gomel Decorating Co., Denver, Colorado, $1062.

BIDS OPENED
MONTE VISTA, Colo.—W. B. Jarvis, 4549 Page St., St. Louis, Mo., at $489 submitted low bid to Treasury Department, Washingaon, D. C., for painting the plaster, etc., in the U. S. Post Office, etc., at Monte Visto, Colo. Following bids received:
W. B. Jarvis, St. Louis, Mo., $489.
Gus V. Olsen, Denver, Colo., $969.
Walter J. Gomel Decorating Co., Denver, Colo, $1081.
D. J. Inman, Danville, Ill., $1110.

PROSPECTIVE BIDDERS
NOGALES, Arizona—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on July 10 for the construction of the U. S. Immigration Station at Nogales, Ariz.:
Robert E. McKee, 1000 Tevas St., El Paso, Texas.
Libby & Libby Co., 242 Second St., Minneapolis.
Charles Dorfmann, 143 N. La Brea Ave., Los Angeles.
Lundberg-Richter Co., Oceanport, New Jersey.
Theriault Contrag. Co., 534 E. Johnson St., Phila.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis.
A. Smith & Co., 100 N. LaSalle St., Chicago.
Herbert M. Baruch Corp., 625 South Olive St., Los Angeles.

BIDS WANTED
MARYSVILLE, Yuba Co., Calif.—Bids are being received by the Custodian, Marysville Post Office, for concrete topping for the post office.

ADDITIONAL PROSPECTIVE BIDDERS
SAN DIEGO, Cal.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on July 11, 11 A. M., for the construction of seven landplans hangars at the Naval Operating Base (Air Station) San Diego. The work includes structural steel, brick, tile, steel windows, plumbing and electrical work:
Crane Company, Washington, D. C.
McClintic Marshall Co., Bethlehem, Pensylvania.
Detroit Steel Products Co., Washington, D. C.
Rapp Engineering & Construction Co., 3985 Glencross Ave., Cinn.
Concrete Engrg. Co., 1926 S. 52nd Ave., Chicago.
Ingalls Iron Works, Birmingham, Alabama.
L. E. Eck & Son, Washington.
Spec. No. 7295 A and accompanying drawings may be obtained on application to the Bureau or to the Commandant, Naval Operating Base, Foot of Broadway, San Diego, upon deposit of a check or postal money order for $25, payable to the Chief of the Bureau of Yards and Docks.

LOW BIDDERS
BOISE, Idaho.—Thomas L. Dawson Co., Kansas City, Mo., at $24,500 submitted low bid to the Veterans' Administration, Washington, D. C., for extension of steam distribution system at the Veterans' Administration Facility, Boise. Complete bids will be published shortly.

LOW BIDDERS
OROVILLE, Wash. — West Coast Painting Co., Kulien Bldg., Seattle, at $654 submitted low bid to the Treasury Department for painting plaster in the U. S. Inspection Station at Oroville, Wash. Ryan and Ryan, Oroville, at $610 submitted second low bid. Complete bids will be published shortly.

COMPLETE BID LISTING
OAKLAND, Cal.—As previously reported, W. G. Blumert, 5125 Grove St., Oakland, at $3,498 submitted low bid to Treasury Department for painting plaster in the U. S. post office at Oakland. Complete bids follow:
W. G. Blumert, Oakland.....$3,498
Geo. Ames, Burlingame..... 3,798
Lee Dixon Co., San Francisco..... 4,195
Patterson Bros., Oakland..... 4,340
D. Zelinsky & Sons, S. F..... 4,372
Cramer Bros., San Francisco..... 4,545
Raphael Co., San Francisco..... 5,382
J. W. Vickery, Oakland..... 5,336

LOW BIDDER
POCATELLO, Idaho.—Smythe Co., Washington, D. C., submitted low bid to Treasury Department at $3568, for miscellaneous changes in the U. S. post office at Pocatello.

PLANNED
LOS ANGELES, Cal.—Treasury Department and Post Office Department officials are making preparations to start the Federal building program, including 300 to 400 projects to be financed with the $65,000,000 fund carried in the deficiency bill. Department officials are considering 57 California projects, including the $6,000,000 Federal office building and the $3,000,000 post office building proposed

for Los Angeles. Postmaster-General Farley said that in making selections the interdepartmental committee will follow a policy of favoring many small projects in preference to a few costly structures. The committee will be influenced, however, by unemployment conditions in each district. Allocation of funds for the Los Angeles Federal building has been opposed by Public Works Administrator Ickes on the contention that the proposed expenditure is excessive. A list of the buildings to be constructed will be made within a week.

LOW BIDDERS

OAKLAND, Cal.—W. G. Blumert, 5125 Grove St., Oakland, at $3498 submitted low bid to Treasury Department for painting plaster in the U. S. Post Office, Oakland. Following are three low bids received:

W. G. Blumert, Oakland.....$3498
George Ames, Burlingame..... 3798
Lee Dixon, San Francisco..... 4195

Completed bids will be published shortly.

BIDS OPENED

MONTEREY, Cal.—Newman Bros., McMinnville, Oregon, at $774 submitted low bid to Treasury Department for painting the plaster, etc., in the U. S. Post Office, Monterey. Only other bid was submitted by the Raphale Company, San Francisco, at $1343.

Bids held under advisement.

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal.—Walter E. Zerwick, 517 E. Channel St., Stockton, at $170 awarded contract by the Treasury Department for insect screens in the U. S. Post Office, Stockton.

(4529) 1st report May 18; 3rd, June 9, 1934.

BIDS WANTED

GALLUP, New Mexico.—Until July 10, 2 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for insect screens in the U. S. Post Office at Gallup.

SURVEYING SIGHT

WOODLAND, Yolo Co., Cal.—Custodian of the Woodland Post Office is receiving bids for the surveying of the site of the proposed new post office building at Woodland.

CONTRACT AWARDED

FRANCE FIELD, Canal Zone—Grebien & Martenz, Panama City, at $255,670 awarded contract by Army Department for the construction of one, 110-man barracks and one, 200-man barracks and utilities at France Field, Canal Zone.

BIDS WANTED

SUMMITT, Canal Zone—Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of buildings, roads and services at the Naval Radio Station, Summitt, Canal Zone. Specification No. 7515.

The work includes concrete and hollow tile construction; copper, asbestos single and built-up roofing; steel doors and windows; wood and all-metal screens; marble and tile work; metal lath and studding metal-covered insulation; plaster and stucco; carpentry and joinery; roads and walks; 2 cooling ponds; water tank and tower, and water supply, sewerage, plumbing and electrical systems; deposit $75 required for plan., ets.

CONTRACT AWARDED

LOS ANGELES, Cal.—Western Steel & Wire Co., 439 Bryant Street, San Francisco, at $6300 awarded contract by Veterans' Administration for furnishing and installing wrought iron gates and wire fence at the Veterans Administration Facility at Los Angeles.

NO BIDS RECEIVED

ALBROOK FIELD, Canal Zone—No bids were received by the Constructing Quartermaster, Fort Mason, for the construction of a quartermaster maintenance building, paint house and dope house at Albrook Field, Canal Zone. An announcement on the bids received at Albrook Field and Washington, D. C., will be made shortly.

BIDS WANTED

OROVILLE, Wash.—Until July 20, (date postponed from June 29), bids will be received by the Custodian, Oroville Inspection Station, for flood lights and an illuminated sign to be installed at the station.

9— HOSPITALS

Award Recommended.

WOMEN'S BUILDING Cont. Price, $8,600

SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.

One-story and basement reinf. concrete addition to women's dormitory at County Hospital.

Owner—County of Sacramento.

Architect — Harry Devine, California State Life Bldg., Sacramento.

Contractor—Azevedo & Sarmento, 920 O St., Sacramento.

Contract will be awarded upon the approval of the PWA Engineer.

Complete bids published June 19.

LOW BIDDER

LIVERMORE, Alameda Co., Cal.—George Swanstrom, 1615 78th Avenue, Oakland, submitted the low bid to the Veterans' Administration June 20, at $2932, for resurfacing of heliotherapy deck on building No. 2, Veterans' Administration Facility, Livermore.

CONTRACT AWARDED

FORT STANTON, N. M. — Robert McKee, El Paso, Texas, awarded contract by Treasury Department, at $24,000, for rehabilitating building No. 6 at the United States Marine Hospital, Fort Stanton, N. M.

COMPLETE BIDS

LIVERMORE, Alameda Co., Cal.—As previously reported, George Swanstrom, 1615 78th Ave., Oakland, at $2932 submitted low bid to Veretrans' Administration for resurfacing of the heliotherapy deck on Building No. 2, Livermore Hospital. Following bids received

George Swanstrom, Oakland.....$2932
Alta Electric & Mechanical Co., San Francisco 2944
J. H. Fitzmaurice, Oakland..... 3375

Bids held under advisement.

Plans Being Completed.

HOSPITAL Cost, $615,000

SAN FRANCISCO. Potrero Ave. and Twenty-second Street.

Six-story cancer building and 5-story psychopathic hospital (double building; T-shaped); concrete, steel and brick construction, flat roof.

Owner—City & County of San Francisco.

Architect — Martin J. Rist, Phelan Bldg., San Francisco.

Plans will be completed in about thirty days.

CONTRACT AWARDED

LIVERMORE, Alameda Co., Cal.—George Swanstrom, 1615 78th Ave., Oakland, at $2932 awarded contract by Veterans' Administration, for resurfacing of heliotherapy deck on Building No. 2, Livermore Hospital.

Complete bids published June 26.

BIDS OPENED

SAN FRANCISCO, Cal. — Hanson Bros., 5840 Mission St., at $85 submitted low bid to Material Officer, U. S. Marine Hospital, San Francisco, for repair of concrete steps and platform entrance to Building No. 5, Recreation Hall, Marine Hospital, 14th Avenue and Lake Streets. Following bids received:

Hanson Bros. .....$ 85.00
P. Donnelly 109.00
E. J. Treacy 125.00

Bids referred to Washington for award.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—Dohrmann Hotel Supply Co., 972 Mission St., San Francisco, at $1637 submitted low bid to Constructing Quartermaster, Hamilton Field, for furnishing and installing kitchen equipment in the hospital building at Hamilton Field. Following bids received:

Dohrmann Hotel Supply Company, San Francisco, $1637.
John G. Ils Co., San Francisco, $1,764.50.
Mangrum Holbrook Co., San Francisco, $1834.10.

Bids held under advisement.

10— HOTELS

Bids Opened

ALTER HOTEL Cost, $100,000

SAN FRANCISCO. 44 Fourth Street.

Alterations and addition to eight-story hotel building (electrical work, plumbing, painting, hardware).

Owner—Society of California Pioneers.

Architect—A. R. Denke, 1429 Broadway, Oakland, and 44 Fourth St., San Francisco.

Complete bids follow:

(1) work complete;
(2) omitting certain portions of work
(3) do;
(4) do;
(5) do;
(6) price per sq. ft. for replacing double flooring;
(7) price per sq. ft. for replacing or patching lathing and plastering;
(8) do for plastering only;
(9) price per sq. ft. for sheet metal in vent shaft;
(10) additional cost for separation of work.

General Work

Monson Bros., 475 6th St...	(1)	$24 175.00
	(2)	20.040.00
	(3)	12,090.00
	(4)	23,700.00
	(5)	20,900.00
	(6)	14.00
	(7)	1.50
	(8)	1.05
	(9)	.15
	(10)	200.00
Larsen & Larsen	(1)	$28,895.00
	(2)	26,693.00
	(3)	20,140.00
	(4)	27,884.00
	(5)	25,838.00
	(6)	.168
	(7)	1.50
	(8)	1.10
	(9)	.15
	(10)	700.00
A. L. Thulin	(1)	$30,680.00
	(2)	26,770.00
	(3)	18,612.00
	(4)	29,842.00
	(5)	27,250.00
	(6)	.21
	(7)	1.30
	(8)	.95
	(9)	.16
	(10)	250.00
Geo. Swanstrom, Oakland	(1)	$31,729.00
	(2)	29,680.00
	(3)	20,562.00
	(4)	30,735.00
	(5)	28,200.00
	(6)	.20
	(7)	1.50

	(8)	1.00
	(9)	.15
	(10)	900.00
Daniel O'Neill	(1)	$32,450.00
	(2)	26,743.00
	(3)	13,825.00
	(4)	31,643.00
	(5)	27,984.00
	(6)	.25
	(7)	1.50
	(8)	1.00
	(9)	.15
	(10)	250.00

*Dinwiddie Const. Co., $29,810.00.
**Bid rejected as propositions were not submitted.

Electric

F. J. Klimm, 456 Ellis St.	(1)	$7,539
	(2)	7,833
	(3)	8,139
	(4)	7,295
	(5)	7,189
California Elec. Const. Co.	(1)	$7,620
	(2)	7,930
	(3)	8,240
	(4)	7,380
	(5)	7,295
Victor Lemoge	(1)	$7,623
add	(2)	322
add	(3)	640
deduct	(4)	240
deduct	(5)	320
NePage - McKenny	(1)	$8,209
	(2)	300
	(3)	650
	(4)	225
	(5)	312
Scott - Buttner Co.	(1)	$8,723
	(2)	290
	(3)	580
	(4)	255
	(5)	455
Atlas Electric Co.	(1)	$10,064
	(2)	10,164
	(3)	10,374
	(4)	9,814
	(5)	9,664
Decker Electric Co.	(1)	$11,085
	(2)	300
	(3)	605
	(4)	225
	(5)	312

Plumbing

Alexander Coleman	(1)	$27,870.00
	(2)	1,424.00
	(3)	1,198.00
	(4)	3,352.00
	(5)	254.00
	(6)	91.00
	(7)	59.00
	(8)	6.75
	(9)	24.50
	(10)	1,080.00
Scott Company	(1)	$28,323.00
	(2)	26,815.00
	(3)	26,686.00
	(4)	23,117.00
	(5)	28,053.00
	(6)	28,377.00
	(7)	28,178.00
	(8)	11.32
	(9)	28.22
	(10)	200.00
Frank J. Klimm	(1)	$28,635.00
	(2)	27,182.00
	(3)	27,120.00
	(4)	24,293.00
	(5)	28,304.00
	(6)	28,826.00
	(7)	28,566.00
	(8)	8.00
	(9)	25.00
	(10)	1,163.00
Wm. J. Forster & Son	(1)	$29,610.00
	(2)	28,340.00
	(3)	28,845.00
	(4)	24,468.00
	(5)	29,479.00
	(6)	29,680.00
	(7)	29,557.00
	(8)	15.20
	(9)	32.40
	(10)	800.00
J. Camp & Co.	(1)	$30,140.90
	(2)	29,420.00
	(3)	29,780.00
	(4)	25,210.00
	(5)	29,980.00
	(6)	30,350.00
	(7)	30,060.00
	(9)	.....
	(9)	.....
	(10)	.....
Fred. W. Snook	(1)	$32,997.00
	(2)	31,560.00
	(3)	30,186.00
	(4)	27,709.00
	(5)	32,649.00
	(6)	32,929.00
	(7)	32,895.00
	(8)	6.50
	(9)	20.50
	(10)	115.00

Painting

Alternates are all deductions for omission of certain work.

D. Zelinsky, 165 Grove St.	(1)	$13,990.00
	(2)	13,590.00
	(3)	12,100.00
	(4)	13,790.00
	(5)	13,910.00
	(6)	13,350.00
	(7)	13,650.00
	(8)	13,990.00
	(9)	20.00
Raphael Company	(1)	$14,557.00
	(2)	13,735.00
	(3)	14,170.00
	(4)	14,257.00
	(5)	14,482.00
	(6)	14,500.00
	(7)	14,117.00
	(8)	14,207.00
	(9)	18.75
F. Kiesel	(1)	$17,090.00
	(2)	16,410.00
	(3)	14,510.00
	(4)	16,750.00
	(5)	17,023.00
	(6)	16,583.00
	(7)	16,540.00
	(8)	16,835.00
	(9)	28.00
A. Quandt & Sons	(1)	$17,987.00
	(2)	17,105.00
	(3)	15,373.00
	(4)	17,757.00
	(5)	17,895.00
	(6)	17,437.00
	(7)	17,607.00
	(8)	18,264.00
	(9)	24.00
W. T. Baker Company	(1)	$25,643.00
deduct	(2)	576.00
deduct	(3)	3,200.00
deduct	(4)	448.00
deduct	(5)	48.00
deduct	(6)	697.00
deduct	(7)	642.00
deduct	(8)	1,204.00
deduct	(9)	.32

(4456) 1st report May 10; 3rd, June 23, 1934. 10

Additional Sub-Contracts Awarded.

REPAIR HOTEL Cost, $50,000
SAN FRANCISCO. Geary and Powell Streets.
Repair fire damage to Italian Room in St. Francis Hotel.
Owner—Crocker Hotel Co., Geary and Powell Streets.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Plastering—James Smith, 271 Minna St., San Francisco.
Plumbing, Heating and Ventilating—Scott Co., 243 Minna St.
Lighting Fixtures — Thomas Day, 51 Shipley St.
Marble—Jos. Musto Sons-Keenan Co., 535 North Point St.,
Mill Work—Brannan Street Planing Mill, 560 Brannan St.
Sound Proofing and Insulation—Wayland & Co., 675 Towknsend St.

As previously reported, electric awarded to H. S. Tittle, 85 Columbia Square; ornamental plaster to August Dackert, 1450 15th St.; lumber to McCallum Lumber Co., 748 Bryant St.

11—ICE AND COLD STORAGE PLANTS

Refrigeration Contract Awarded

REFRIGERATION SYSTEM $3000
SANTA CRUZ. Santa Cruz Co., Cal. Municipal Wharf.
Construction of new refrigeration system and ice box on the Municipal Wharf.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—Not Given.
Refrigeration—Baker Ice Machine Co., 2459 E. 14th St., Oakland.
(4471) 1st report May 10; 3rd, June 7, 1934.

CONTRACT AWARDED

WHIPPLE, Ariz.—Kohlenberg Engineering Co., Fullerton, at $23,247.14 awarded contract by Veterans' Administration, for installing additional refrigeration in Buildings Nos. 45, 47 and 81, Veterans Administration Facility, Whipple, Arizona.
Complete bids published June 20.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

PLANNED

UKIAH, Cal.—County Supervisors recommended that the roof of the courthouse be painted. Bids will probably be asked shortly.

BIDS WANTED

SANTA MARIA, Santa Barbara Co., Cal.—City Engineer York Peterson, Santa Maria, is taking bids for fixtures and furnishings to be installed in the Santa Maria City Jail.

BIDS OPENED

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three-story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
Low Bidders: General contract, Chas. Thomas, 127 Clayton Ave., San Jose, $342,895; Plumbing, Scott Co., 243 Minna St., San Francisco, $12,767; Sprinkler System, J. H. Pinkerton, 927 Howard St., San Francisco, $4923; Electric, Roy M. Butcher, 1020 Sherwood Ave., San Jose, $22,060; Mechanical, Carpenter & Mendenhall, 907 Front St., Sacramento, $53,830.
Complete bids follow:

General Contract

(1) Work Complete.
(2) Omit Patio Wall, ded.
(3) Substitute Steel for Marble Toilet Partitions, ded.
(4) Omit plastering outside use paint, ded.
(5) Use Raymond Concrete Pile instead of wood, add.

Charles Thomas, 127 Clayton Ave., San Jose	(1)	$342,895
	(2)	1,636
	(3)	105
	(4)	2,500
	(5)	3,866
Dinwiddie Constr, Co., San Francisco	(1)	361,000
	(2)	1,490
	(3)	100
	(4)	— —
	(5)	5,100
Walter J. Ochs, San Jose	(1)	362,364
	(2)	1,595
	(3)	104

	(4)	880
	(5)	1,600
MacDonald & Kahn, San Francisco	(1)	369,500
	(2)	1,450
	(3)	85
	(4)	4,000
	(5)	6,300
Carl Swenson, San Jose	(1)	369,704
	(2)	1,478
	(3)	105
	(4)	3,880
	(5)	3,099
Anderson & Ringrose, San Francisco	(1)	393,858
	(2)	1,650
	(3)	350
	(4)	4,300
	(5)	1,550
Lindgren & Swinerton, San Francisco	(1)	398,887
	(2)	1,397
	(3)	100
	(4)	1,000
	(5)	1,683
K. E. Parker, S. F.	(1)	408,350
	(2)	1,500
	(3)	100
	(4)	600
	(5)	4,500
Barrett & Hilp, S. F.	(1)	419,850
	(3)	105
	(2)	1,400
	(4)	3,000
	(5)	1,683

Plumbing and Sprinkler System

(1) Plumbing.
(2) Sprinkler System.

Scott Co., 243 Minna St., San Francisco	(1)	$12,767
	(2)	9,270
A. J. Peters, San Jose	(1)	12,890
Carpenter & Mendenhall, Sacramento	(1)	13,069
Hateley & Hateley, Sacto.	(1)	14,358
	(2)	9,669
J. H. Pinkerton, San Francisco	(1)	14,917
	(2)	4,923
Alta Electric & Mechanical Co., San Francisco	(1)	17,864
Carl T. Doell, Oakland	(1)	18,137
William Ehlert, San Jose	(1)	22,287
Rockwood Sprinkler Co., San Francisco	(2)	8,245

Electrical

(1) Work Complete.
(2) Alternate deduction.

Ray M. Butcher, 1020 Sherwood Ave., San Jose	(1)	22,060
	(2)	810
G. H. Armstrong, S. F.	(1)	22,257
Gilbert Electric Co., San Jose	(1)	22,283
	(2)	774
Alta Electric & Mechanical Co., San Francisco	(1)	22,625
	(2)	675
H. S. Tittle, S. F.	(1)	22,700
	(2)	697
Chas. Langlais, S. F.	(1)	22,765
	(2)	750
Central Electric Co., S. F.	(1)	22,900
	(2)	700
NePage-McKenny Co., San Francisco	(1)	22,997
	(2)	797

Mechanical

Carpenter & Mendenhall, 907 Front St., Sacramento	$53,830
Herman Lawson, S. F.	54,500
Alta Elec. & Mech. Co., S. F.	54,530
A. J. Peters, San Jose	56,567
Hateley & Hateley, Sacto.	56,680
Scott Co., San Francisco	57,720
James A. Nelson, S. F.	59,580
Carl T. Doell, Oakland	59,786

Bids Wanted—To Close July 12, 2 P. M.

COURTHOUSE Cost, $143,000
VISALIA, Tulare Co., Cal.
Four-story reinforced concrete addition to present structure (steam heating plant, etc.)
Owner—County of Tulare.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Plans and specifications available from the architect upon deposit of $25.
This project is financed in part by PWA funds and contracts are subject to PWA regulations.

Planned

FIRE HOUSE Cost, $20,000-$30,000
HANFORD, Kings Co., Calif.
New fire house to replace the present structure.
Owner—City of Hanford.
Architect—Not Given.
A committee which was appointed to secure estimates on the costs includes Clarence Rice, Manuel E. Lewis and Fred Pepper.

Plans Being Prepared

CITY HALL Cost, $15,000
(including furnishings)
GRASS VALLEY, Nevada Co., Calif.
One- and two-story reinforced concrete city hall.
Owner—City of Grass Valley.
Architect—Charles Dean, California State Life Bldg., Sacramento.
Plans will be completed in five or six weeks, at which time bids will be asked.

14— RESIDENCES

Low Bidder.

ALTERATIONS Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus.
Alterations and additions to sorority house (new front, etc.)
Owner—Kappa Gamma Sorority.
Architect — J. K. Barnner, 210 Post St., San Francisco.
Low Bidder — H. H. Dabinett, 1402 Parkinson St., Palo Alto.

Contract Awarded.

ALTERATIONS Cost, $1500
FRESNO, Fresno Co., Cal. No. 1937 Fresno Street.
Alterations to residence.
Owner—Tom Risley, 1044 N. Van Ness Ave., Fresno.
Architect—Not Given.
Contractor—Fisher & McNulty, Mattei Bldg., Fresno.

Bid Opening Date Postponed Until July 5.

RESIDENCE Cost, $5000
HEALDSBURG, Sonoma Co., Cal.
One-story and basement frame and stucco residence (five rooms); tile roof, hot air heating system, hardwood floors, tile bath, etc.
Owner—L. S. Sayre, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Young & Horstmeyer, 461 Market St., San Francisco, are figuring the plans and desire sub-bids on all portions of the work.

Plans Being Figured—Bids Close July 6, 5 P. M.

RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. Spruce Street.
One-story frame and shingle residence (5 rooms and 1 bath) gas heating system, shingle roof, hardwood floors, etc.
Owner—George P. Adams.
Architect—W. W. Wurster, 260 California St., San Francisco.

Completing Plans.

RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park.
Two-story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau Type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Bids will be asked within a few days

Contract Awarded.

ALTERATIONS Cost, $2000
BERKELEY, Alameda Co., Cal. No. 28 Inglewood Road.
Alterations and additions to residence
Owner—J. U. Calkins, Premises.
Architect—Not Given.
Contractor — Frank G. Applebe, 2405 Acton St., Berkeley.

Additional Sub-Contracts Awarded

RESIDENCE Cost, $5000
PIEDMONT, Alameda Co., Cal. Piedmont Pines Tract.
Two-story frame residence.
Owner—Earl V. Hildreth, 2122 Lakeshore Ave., Oakland.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.
Concrete—Manuel Medis, 2427 Scenic Ave., Oakland.
Brick—S. P. Ashley, 5455 Carlton St., Oakland.
Hardwood Floors—Edward C. Mattson, 2960 Montana St., Oakland.
As previously reported, mill work and lumber awarded to Clinton Mill & Lumber Co., 701 4th St., Oakland; plumbing to Henry F. Lass, 5300 Cole St., Oakland; electric to Kerr & Clifford, 3525 E. 14th St., Oakland.

Preliminary Plans Being Prepared.

RESIDENCE Cost, $12,000
SAN ANSELMO, Marin Co., Cal.
Two-story frame and stucco residence (8 rooms and 3 baths).
Owner—Withheld.
Architect—Farr & Ward, 68 Post St., San Francisco.

To Be Done By Day's Work

RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. 1411 Ada Street.
One - story and basement frame and stucco residence (5 rooms).
Owner and Builder—A. L. Simmons, 2124 McKinley, Berkeley.
Architect—Not Given.

Plans Being Completed

RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park.
Two - story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Bids will be asked in about 10 days.

Contract Awarded.

RESIDENCE Cost, $3950
SAN FRANCISCO, S Lincoln Way 82 W Tenth Avenue.
One-story and basement frame and stucco residence.
Owner—Martin and Emille Hudaklin, 1216 Fourth Ave., San Francisco.
Architect—Not Given.
Contractor—Mager Bros. & Son, 1359 Fourth Ave., San Francisco.

Contract Awarded

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 26 Ascot Court.
Two-story frame and stucco residence (6 rooms).
Owner—F. L. R. Confer, 2812 Russell St., Berkeley.
Plans by Owner.
Contractor—F. W. Confer, 976 Keelar Ave., Berkeley.

Construction Postponed Temporarily.

RESIDENCE Cost, $12,000
HEALDSBURG, Sonoma Co., Cal. Five miles south of Healdsburg on Russian River Road.
One-story and basement frame and brick veneer residence (7 rooms, two baths) asbestos slate roof, oil heating system, tiled baths, hardwood floors.
Owner—Warren Jones.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Contract Awarded.
RESIDENCE Cost, $4576
MILL VALLEY, Marin Co., Cal.
One-story and basement frame and stucco residence (6 rooms).
Owner—Flo and Arnold Seymour, Mill Valley.
Architect—Not Given.
Contractor—Albert W. Teather, 405 Cazaneau, Mill Valley.

Contract Awarded.
RESIDENCE Cost, $4185
SAN RAFAEL, Marin Co., Cal.
One-story and basement frame and stucco residence.
Owner — Frank Bottarini, 20 Marin St., San Rafael.
Architect—Not Given.
Contractor—Edward G. Jackson, 920 Fourth St., San Rafael.

Contract Awarded.
PENTHOUSE Cost, $2497.90
SAN FRANCISCO. No. 2673 Filbert Street.
Construct penthouse on present dwelling.
Owner—Rose Lerner, 2763 Filbert St., San Francisco.
Architect—Not Given.
Contractor—Leslie C. Dawe, 449 Coventry Road, Berkeley.

Sub-Contracts Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. Kenyon Ave. near Westminster.
One-story and basement frame and stucco residence (7 rooms).
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Oakland.
Architect—Not Given.
Plastering — Harry Mortensen, 4060 E-18th St., Oakland.
Electric—James Anderson, 2421 23rd Ave., Oakland.
Brick—William H. Wisheropp, 3749 Quigley St., Oakland.
Roofing—W. A. Rideout, 641 Central Ave., Alameda.
Sash and Doors—Ben Jepsen, 1122 Brighton Ave., Albany.
Millwork—Hogan Lumber Co., Second and Alice Sts., Oakland.
Fixtures — William Weekly, E-14th and 17th Ave., Oakland.
Hardwood Floors — Ambrose Bros., 48th Ave., Oakland.
Tile—Superior Tile & Products Co., 3743 Broadway, Oakland.
Hardware—Simon Hardware Co., 639 Broadway, Oakland.

TO ASK BIDS
GRAND COULEE, Wash.—U. S. Bureau of Reclamation, Denver, Colo., will ask bids shortly for the construction of 38 residences to contain six- and seven-rooms at the Grand Coulee dam site. Plans will also be prepared for a school house to contain four classrooms and assembly room.

Contract Awarded.
RESIDENCE Cont. Price, $16,580
BERKELEY, Alameda Co., Cal. Parnassus Road.
Two-story and basement frame and stucco residence (9 rooms).
Owner — Mrs. Angela W. Roth, 931 Hillcrest Circle, Oakland.
Architect—Howard Burnett, 931 Hillcroft Circle, Berkeley.
Contractor—Geo. J. Maurer, 50 York Drive, Piedmont.

Contract Awarded
RESIDENCE Cost, $5000
SACRAMENTO, Sacramento Co., Cal. 1121 Swanston Drive.
One - story and basement frame and stucco residence.
Owner—August and Ruth Welch.
Architect—Not Given.
Contractor—A. Fisher, 800 35th St., Sacramento.

June 25, 1934

To Be Done By Day's Work
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Calif. 7575 Greenley Drive.
Alterations and additions to residence
Owner—James S. Nellis, 7575 Greenley Drive, Oakland.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $6400
BOLINAS, Marin Co., Calif.
One - story frame residence (exterior shakes and siding, redwood and pine interior, celotex ceilings, pine floors, composition shingle roof;6 rooms).
Owner—W. H. Boyce, Woodland, Cal.
Architect—Dragon & Schmidts, 3016 Telegraph Ave., Berkeley.
Contractor—W. R. and Lewis G. Pepper, Bolinas.

Sub-Contracts Awarded
RESIDENCE Cost, $10,000
MODESTO, Staislaus Co., Cal. Downing Street.
Two-story frame and stucco residence.
Owner—H. E. Strong, Modesto.
Architect—Not Given.
Contractor—Harry Brown, Laurel St., Modesto.
Heating and Plumbing—Hasen's, 600 Tenth St., Modesto.
Roofing—Central Roofing Co., 611 10th St., Modesto.
Electric—Hansen's, 609 10th St., Modesto.
Lumber—Modesto Lumber Co., 621 9th St., Modesto.

To Take Sub-Bids In One Week
RESIDENCES Cost, $40,000
SAN CARLOS, San Mateo Co., Cal. Bell J. Brittan Tract, Cedar St. to Alameda de las Pulgas.
Construction of group of residences (work will involve street work, sewers, water and gas mains, etc.)
Owner—Withheld.
Architect—Not Given.
Agent—Merritt R. Hosmer, San Carlos
Manager of Constr.—John W. Rutherdale, Phelps Road, San Carlos.

BIDS WANTED
GRAND COULEE, Wash.—Until July 23, 10 A. M., bids will be received by U. S. Bureau of Reclamation, Almira, Wash., for the construction of fourteen three-room and sixteen four-room residences at the Government camp at Grand Coulee dam, Columbia Basin project, Washington. Specifications No. 576. Work is located 22 miles northwest of Almira, Wash.

The residences will be one-story buildings with basements. All residences will be of timber frame construction covered on the outside with siding or shingles. Roofs will be covered with wood shingles. The interior walls will be lathed and plastered. The schedule provides for lump sum bids for the construction of the residences except excavation and concrete and for unit prices per cubic yard for excavation and concrete. The installation of plumbing, heating, and electrical facilities will be included in the lump sum prices bid for the construction of the residences.

Plans and specifications available from the offices of the Bureau of Reclamation at Almira, Wash., Denver, Colorado, or Washington, D. C., upon receipt of $2.50, not returnable.

Construction Postponed Temporarily.
RESIDENCE Cost, $15,000
LOS GATOS, Santa Clara Co., Cal. Las Hasiendas.
Two-story frame residence (rustic exterior, tile roof, hot air heating system, steel sash, etc.; 8 rooms and 4 baths).
Owner—S. L. Buny.
Architect—Douglas Stone, 110 Sutter St., San Francisco.

15— SCHOOLS

Bids Opened.
ADDITIONS Cost, $——
ALAMEDA, Alameda Co., Cal. Central Avenue and Oak Street.
Reinforced concrete and steel shop building addition to Alameda High School.
Owner—Alameda High School District
Architect—Carl Werner, 1303 Bay St., Alameda.
Low Bidder—W. G. Thornally, 2059 Webster St., Oakland.
Following bids received:

W. G. Thornally, Oakland	$ 9,980
Willis F. Lynn, Oakland	10,195
John E. Branagh, Oakland	10,629
W. E. Lyons, Oakland	10,748
Villadsen Bros., Piedmont	10,790
Mark E. Bristol, Inc., Oakland	10,966
A. Cederborg, Oakland	11,116
George Swanstrom, Oakland	11,964

Bids held under advisement until June 29.

BIDS OPENED
SAN FRANCISCO—Lee Dixon, 18 Eureka St., at $1862 submitted low bid to Department of Public Works, for interior painting of the Hancock School, Filbert Street, between Taylor and Jones Sts. Following bids received:

Lee Dixon	$1862
Gill-Mann	2097
Raphael Company	2200
D. Zelinsky	2435
Reliable Painting Co.	2450
American Building & Maintenance Co.	2474
W. G. Thompson	2478
R. P. Paoli	2750

Bids held under advisement.

BIDS WANTED
SAN FRANCISCO. — Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for interior painting of the Sanchez School, Sanchez and 17th Sts. Estimated cost $3,200. Plans and specifications available from C. H. Sawyer, City Architect, City Hall.

Contract Awarded
SHOWER ROOM Cont. Price, $3400
LINCOLN, Placer Co., Calif.
One-story frame and stucco locker & shower room (flat roof).
Owner — Lincoln Union High School District (Lois G. Schnabel, Clerk)
Architect — Harry J. Devine, California State Life Bldg., Sacramento.
Contractor—Harry Best, Lincoln
Following bids received:

Harry Best, Lincoln	$3,400
H. W. Robertson, Sacramento	3,717
C. A. Wilke, Roseville	3,980

(4682) 1st report June 13, 1934. • 15

BIDS OPENED
ALAMEDA, Calif. — Following submitted bids to the Alameda School District for removing walls, windows and doors on the south side of the machine shop rooms in the Alameda High School Science building. Carl Werner, 1303 Bay St., Alameda, architect.

Harry Knight, 1435 Harrison St., Oakland	$835
L. E. Alley, Alameda	888
W. E. Lyons, Oakland	935
W. G. Thornally, Oakland	997

Bids held under advisement.

BIDS WANTED
SAN FRANCISCO. — Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for interior painting of Longfellow School, southwest corner Lowell and Morse Streets. Estimated cost, $2,500. Plans and specifications are available from C. H. Sawyer, City Architect, City Hall.

BIDS WANTED

TEHACHAPI, Kern Co., Cal.—Until July 7, 8 P. M., bids will be received by Tehachapi Valley Union High School District for the construction of an addition to the high school plant at Tehachapi. Work includes an addition of five classrooms, auditorium to seat 300, small community room, sanitary conveniences, etc. Estimated cost, $43,000. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, architect.

Project is financed in part by PWA funds and contractors are subject to PWA regulations.

(3611) 1st report Jan. 30; 4th, June 23, 1934. *

Plans Being Prepared

SCHOOL Cost, $11,000
INYOKERN, Kern Co., Calif.
Frame and stucco school building (2 classrooms).
Owner—Indian Wells Valley Union School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Project is financed in part by PWA funds and contractors are subject to PWA regulations.

(3439) 1st report Feb. 9; 3rd, April 7, 1934. *

Plans Being Prepared

SCHOOL Cost $80,000
SHAFTER, Kern Co., Calif.
One-story reinforced concrete school building (12 classrooms) domestic art bldg., manual training shop, administrative offices, etc.
Owner—Richland School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Project is financed in part by PWA funds and contractors are subject to PWA regulations.

(3715) 1st report Feb. 9; 3rd, April 23, 1934. *

Bond Election

SCHOOL Cost, $39,000
FRUITVALE, Kern Co., Calif.
One-story reinforced concrete school bldg. (4 classrooms) concrete filler walls, composition roof, maple floors, low pressure steam heat.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.

An election is being held on June 30 at which time bonds in the amount of $30,000 will be voted to finance construction.

(4646) 1st report June 7; 2nd, June 16, 1934.

Contracts Awarded.

SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Cal.
One-story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Concrete—J. C. Nunley, 535 W. Rose St., Stockton, at $1302.
Brick Work—Frank Hamilton, 535 N. Stockton St., Stockton, at $809.
Carpentry—John Meyer, 127 E. Charter Way, Stockton, at $6709.
Mill Work—Union Planing Mill, Taylor and Sutter Sts., Stockton, at $1395.
Electric—Eddy Electric Co., 309 E. Weber St., Stockton, at $640.
Heating—Millar-Hays Co., Grant and Weber Sts., Stockton, at $1115.
Plumbing—Pahl-Harry Co., 427 S. Channel St., Stockton, $1325.
Roofing and Insulation—Zerbe Roofing Co., Modesto, at $806.
Floor Covering—McLean Hardwood Floor Co., Inc., Sutter and Hazelton Sts., Stockton, at $380.
Complete bids published June 25.

BIDS WANTED

RICHMOND, Contra Costa Co., Cal.—Until July 9, 10 A. M., bids will be received by W. T. Helma, Secretary, Richmond Union High School Dist., in the office of the Lincoln School, 235 Tenth St., Richmond, for lathing and plastering the classroom section of the Roosevelt Junior High School. Plans and specifications available from above office upon deposit of $5. Certified check for 10% of amount bid required.

BIDS OPENED

LOCKER ROOM Cost, $10,000
SAN MATEO, San Mateo Co., Calif.
High School Site.
One-story frame and stucco locker and shower room (55 by 81.6 feet); composition roofing.
Owner—San Mateo Union High School District (W. H. Eddy, Clerk).
Architect — William Toepke, 74 New Montgomery St., San Francisco.
Low Bidder—J. Looman, 125 Park Rd. Burlingame, at $12,503.
Complete bids follow:

J. Looman, 125 Park Road Burlingame	$12,503
C. H. Bessett, Burlingame	12,600
H. H. Larsen, San Francisco	12,643
De Luca & Son, San Francisco	12,786
G. W. Williams Co., Burlingame	13,495
Young & Horstmeyer, S. F.	13,570
A. H. Vogt, San Francisco	13,667
Frank Reilly, San Francisco	13,731
Westerlund & Neilan, S. F.	13,847

Bids were taken under advisement until June 27.

Plans Being Completed

SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Calif.
One-story reinforced conc. elementary school building (6 classrooms and auditorium to seat 250) flat roof, steam heating system, vacuum system, etc.
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Bldg., Sacramento.

Bonds in the amount of $33,000 were sold to the Northern California Bank at 5% with a $1,000 premium. Bids will be submitted for approval about July 1.

STRUCTURAL STEEL CONTRACT AWARDED

LOS ANGELES, Calif. — McClintic-Marshall Corp., 11,100 S. Central Ave. has been awarded a contract for furnishing and erecting the structural steel for a wing addition to the chemistry building at University of California at Los Angeles. Sarver & Zoss 1015 W. Fourth St., general contractors; George W. Kelham, 315 Montgomery St., San Francisco, architect.

LOW BIDDERS

TEHACHAPI, Kern Co., Cal. — Williams & Greenough, 130 Lincoln St., Bakersfield, submitted low bid to the Tehachapi Elementary School District, June 23, at $40,538.75, for the construction of a new grammar school building at Tehachapi. The district forwarded the three low bids to the Public Works Administration with the recommendation that the contract be awarded to Williams & Greenough. Edwin J. Symmes, architect, Haberfelde Bldg., Bakersfield. The building will have reinforced concrete frame, concrete filler walls, maple floors, rigid asbestos shingle and composition roof, gas unit heating system. The three low bids follow:

Williams & Greenough, (A) $40,538.75; (B) for extra classroom, add $2935.98.

Stroud Brothers & Seabrook, (A) $41,372; (B) $3016.

Virgil Young, (A) $42,500; (B) $3065.

Bids Wanted—To Close July 10, 8 P.M.

ADDITION Cost, $11,500
BUTTONWILLOW, Kern Co., Calif.
Reinforced concrete addition to high school (add two classrooms; plaster exterior, tile roof, wood studs, metal lath, pine trim, maple floors)
Owner—Buttonwillow Union School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Plans and specifications are available from the architect. Certified check for 10% of amount bid required.

Project is financed in part by PWA funds and contractors are subject to PWA regulations.

BONDS SOLD

COALINGA, Fresno Co., Cal.—Coalinga High School District sold bonds in the amount of $50,000 to Blythe & Co., San Francisco. Funds are to finance construction of a new senior high school in Coalinga. W. D. Coates, Rowell Bldg., Fresno, Architect.

Plans Being Completed.

REPAIR SCHOOL Cost, $48,500
SAN FRANCISCO. Excelsior Ave. at London Street.
Repairs and reconstruction of Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Bids will be asked in about two weeks.

BIDS OPENED

SAN FRANCISCO—Tattenham Elec. Co., 35 Marston Ave., at $31,050 submitted low bid to the Department of Public Works for electrical work for the Bay View School, located at the southeast corner of Bay View and Flora Streets.

Work includes rewiring of basement floor, conduit to be Sheraduct Greenfield duct or equal; wire to be approved rubber covered wire; switches to be Hart & Hogeman, Bryant Electric or equal, of the flush tumbler type with bronze composition indicating handle; base plugs to be Hart & Hogeman Co. or Bryant Electric Co., or equal.

Following bids received:

Tatthenham Electric Co.	$31,050
Paragon Electric Co.	35,011
Central Electric Co.	35,090
Atlas Elec. & Engr. Corp.	36,025
B. J. Doherty	36,047
Chas. Langlais	36,070

Bids held under advisement.

Bids Wanted — To Close July 14, 8 P. M.

SHOP Cost, $9000
CLARKSBURG, Yolo Co., Cal.
One-story frame shop building (concrete floors).
Owner—Clarksburg High School Dist.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Plans and specifications may be obtained from the architect upon deposit of $10.

Plans Being Completed.

IMP. SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal.
Improvements and repairs to Hillside and Columbus Schools.
Owner—Berkeley City School Dist.
Engineer — Thomas F. Chace, 625 Market St., San Francisco.

BIDS WANTED

OAKLAND, Cal.—Until July 13, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, for construction of ninety temporary classroom buildings for the Oakland Board of Education. W. G. Corlett, Bank of America Bldg., Architect. Plans and specifications available at the office of the secretary upon deposit of $25.

BIDS WANTED

CLARKSBURG, Yolo Co., Cal.—Until July 5, 8 P. M., bids will be received by Board of Trustees of the Clarksburg Union School District for painting all of the exterior of the Clarksburg Union High School building. Specifications are on file in the office of L. T. Sims, Supt. of Schools, Clarksburg. Indemnity bond of not less than 50% required with bid. The Board of trustees is comprised of the following: G. O. Fraser, Mabel Heringer, H. J. Reamer, Ida Krull, Frank Alamo.

CONTRACT AWARDED

SAN FRANCISCO — Lee Dixon, 18 Eureka St., at $1468 awarded contract by Department of Public Works for interior painting of the Washington Irving School, Broadway, between Sansome and Montgomery Sts. In the complete bid listing on June 21, the R. P. Paoli Company was reported as having submitted a bid at $2900. This was in error and should have read $2090.

Plans Being Completed.

SCHOOL Cost, $9000
DUNNIGAN, Yolo Co., Cal.
One-story wood frame grammar school
Owner—Dunnigan School District.
Architect — Chas. Dean, California State Life Bldg., Sacramento.
Plans and specifications will be completed in about one week.

Final Plans Approved.

ADDITIONS Cost, $——
ROSEVILLE, Placer Co., Calif. Atlantic Street.
Add two classrooms and lunch room to Atlantic Street School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect — Chas. Dean, California State Life Bldg., Sacramento.
Bids will be asked shortly.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved working drawings for repairing two buildings at the Horace Mann School site. Plans were prepared by Architect **Watson L. Hawk**, 376 Newport Ave., and Structural Engineer Laurence J. Walker, 600 Kress Bldg., Long Beach. The work will consist of strengthening one of the buildings with reinforcing steel and gunite; the other building will be rebuilt of reinforced concrete, composition roofing, gunite exterior, maple floors, steam heating, etc.

PLANS APPROVED

LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved completed plans for the new shop and warehouse buildings to be built at Pine Avenue and Willow St., Long Beach. Plans were prepared by Architects Roger K. Nissen and William Kenneth Webb, 1235 E. 10th St., and Structural Engineers J. H. Davies and C. D. Wailes Jr., Ocean Center Bldg., Long Beach. The group will consist of five buildings; construction will be steel frame, sheet steel sides, composition roofing, cement and asphalt floors. The appropriation is $70,000.

LOW BIDDERS

LONG BEACH, Los Angeles Co., Cal.—Lynch-Cannon Engineering Co., 5658 Wilshire Blvd., Los Angeles, submitted low bid to Long Beach Board of Education, at $64,000, using new materials but not including plumbing, heating and electric wiring for the construction of the English building at the Long Beach Junior Colleg site located on Carson and Clark Aves., Long Beach. Coast Electric Co., 2350 Cedar Ave., Long Beach, low bid on electric wiring at $8300; E. Willardson, 2407 Schisel Terrace, Los Angeles, low bid on plumbing, heating and ventilating at $6485. Kirtland Cutter, Farmers & Merchants Bank Bldg., Architects, and J. H. Davis and C. D. Wailes Jr., Ocean Center Bldg., Long Beach, Structural Engineers. Construction will be of frame and stucco, tile and composition roofing, concrete and maple floors, etc.

PREPARING PLANS

LONG BEACH, Los Angeles Co., Cal.—Architect and Engineer Schilling & Schilling, 145 Linden Ave., Long Beach, have been instructed by the Long Beach Board of Education to proceed with working drawings for the new shop and cafeteria buildings at the Hamilton Junior High School site. Construction will probably be steel frame with concrete walls.

LOW BIDDERS

HUNTINGTON BEACH, Orange Co., Cal.—Bannister-Field Co., Ltd., 4101 Goodwin Ave., Los Angeles, submitted low general bit at $189,924 to Board of Public Building Reconstruction for a new school building at Palm Ave. and 17th Street. Other low bids were: American Engineers and Contractors, Ltd., 3063 Oregon St., Los Angeles; heating and ventilating, $15,997; Hickman Bros., 471 W. 8th St., San Pedro, plumbing, $11,350; Cave Electric Co., 2107 N. Ross St., Santa Ana, $11,935. Bannister-Field Co., submitted names of following sub-contractors with their bid: Waterproofing to Otis Water Proof Service at $573; structural steel to Consolidated Steel Co., at $5249; steel joists to Soule Steel Co., at $12,590; millwork to Glasson Planing Mill Co., at $9496; linoleum to Seaside Products Co., at $388; blackboards to Pacific Coast Blackboard Co., at $300; dumbwaiter to C. P. Helpman at $548; metal partitions to Bradfield Building Products Co., at $172; plastering to Fred E. Potts Co., at $21,750; sheet metal to L. S. Wilson, at $713; roofing to Capital Roof Co., at $2120; marble and tile to Long Beach Marble & Tile Co., at $3100; painting to H. J. McKinley, at $4419; finish hardware to Bennett-Montgomery at $3780. The building jwill be a two-story structure, 267x 162 feet in area, containing 31 classrooms, and an auditorium to seat 500 persons; reinforced concrete and steel construction, composition roofing, steam heating, ventilating system, concrete floors, wood sash, etc. Plans were prepared by Architects Allison & Allison, 1014 Edison Bldg., Los Angeles.

BIDS WANTED

TEHACHAPI, Kern Co., Cal.—Until 8 P. M., July 7, bids will be received by the Tehachapi Valley Union High School District for a second unit to be added to the high school plant at Tehachapi. Estimated cost of the building is $43,000. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, Architect

Contracts Awarded.

ADDITION Cont. Price, $177,260
LOS ANGELES, Los Angeles Co., Cal. Campus of the University of California.
Three-story and basement steel frame concrete and brick wing addition to the chemistry building (concrete floors and stairs, brick exterior, terra cotta, steel windows, metal terra cotta tile roof, ornamental lathing and furring, dampproofing, marble, tile, hollow metal doors, slate blackboards, ventilating, high and low pressure steam heating system, piping, etc.
Owner — University of California at Los Angeles.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Structural Engineer—H. J. Brunnler, Sharon Bldg., San Francisco.
Mechanical Engineer—Hunter & Hudson, 41 Sutter St., San Francisco.
Contractor—Sarver & Zoss, Inc., 1015 W. Fourth St., Los Angeles.
Heating and Ventilating—B. K. Stoneman, 130 E. 81st St., Los Angeles, at $41,796.
Plumbing — Howe Bros., 1198 S. San Pedro St., Los Angeles, at $28,638.
Electric—Moore Electric Co., 321 W. Third St., Los Angeles, at $20,636:
Furniture—Wheat Cabinet & Fixture Co., 1741 E-15th St., Los Angeles, at $32,315.

CONTRACT AWARDED

SANTA ROSA, Sonoma Co., Cal.—O'Mara & Stewart, 218 Clara St., San Francisco, at $1875 awarded contract by Santa Rosa Junior College District for rough piping for a steam heating system in the Santa Rosa Junior College. Plans prepared by **Leland & Haley**, 58 Sutter St., **Mechanical Engineers**. Following bids received:

(1) Rough piping.
(2) Roughing-in. for coils for lockers.
(3) Furnishing oils.
(4) Equipment.
(5) Work complete in place.

O'Mara & Stewart, S. F.	(1)	$ 1,875
	(2)	190
	(3)	110
	(4)	7,924
	(5)	8,935
James Pinkerton, S. F.	(1)	2,119
	(2)	207
	(3)	209
	(4)	7,923
	(5)	10,398
Pacific Heating & Vent. Co., Oakland	(1)	2,050
	(2)	210
	(3)	215
	(4)	2,690
	(5)	10,818
Scott Co., San Francisco	(1)	2,168
	(2)	269
	(3)	167
	(4)	7,728
	(5)	10,043
Herman Lawson, S. F.	(1)	2,328
	(2)	140
	(3)	313
	(4)	8,031
	(5)	10,818
Hays Hoag Co., S. F.	(1)	2,350
	(2)	190
	(3)	248
	(4)	5,926
	(5)	11,687

Contract awarded for rough piping only at this time.

BONDS DEFEATED

SAN MATEO, Cal. — San Mateo Junior College District, defeated bonds June 25 in the amount of $80,000. Funds were to have financed construction of a new Junior College in San Mateo.

Sub-Contracts Awarded.

RESIDENCE Cost, $6500
CENTERVILLE, Alameda Co., Cal.
One-story and basement frame and stucco residence (5 rooms) California Colonial style.
Owner—Manuel Santos, Centerville.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Masonry—Mac Murphy, Centerville.
Plumbing—Max Finzel, 2025 Hopkins St., Oakland.
Mill Work—California Mill & Lumber Co., 1829 Webster St., Oakland.
Reinforcing Steel—Bowman Steel Co.
Roofing—M. & S. Tile Co., Decoto.
Plastering—A. Eichner, 466 Crescent St., Oakland.

Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Lumber — California Mill & Lumber Co., 1829 Webster St., Oakland.

Sub-Contracts Awarded
ADDITION Cont. Price, $23,362
ROSEVILLE, Placer Co., Calif. Vermont Street.
Additions to concrete Veron Street elementary school building (add 3 classrooms and lunch room) and additions to concrete brick and tile elementary school (add two classrooms and lunch room).
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles Dean, California State Life Bldg., Sacramento.
Contractor—M. R. Peterson, Colfax.
Electric—W. L. Harjes, Roseville.
Plumbing & Heating—D. P. Mulligan, Roseville.
Painting—I. B. Robison, Roseville.

BIDS WANTED
SAN FRANCISCO—Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for moving of Visitacion Valley School, Visitacion Ave. and Schwerin Street, and for constructing a new girls' toilet building. Estimated cost $5000. Specifications may be obtained from C. H. Sawyer, City Architect, upon deposit of $10.

BIDS WANTED
SAN FRANCISCO — Until July 6, 11:30 A. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, for painting the Mission High School, 18th St., between Dolores and Church Sts. Estimated cost $8500. Specifications may be obtained from C. H. Sawyer, City Architect, City Hall.

CONTRACT AWARDED
SAN FRANCISCO—Pearson & Johnson, 2031 Bryant St., at $375 awarded contract by Department of Public Works for the removal of portable school from the Burnett School to the Winfield Scott School.

Contract Awarded.
REPAIR SCHOOL Cost, $70,000
SAN FRANCISCO. Hayes and Ashbury Streets.
Repair and reconstruction of Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—H. L. Petersen, 731 Treat Ave., San Francisco.
Contract awarded on Prop. No.2, using concrete bracing.
Following sub-contracts submitted with the bid of H. L. Petersen:
Reinforcing Steel — Concrete Engineering Co., 1280 Indiana St., at $14,144.
Structural Steel — Judson-Pacific Co., 609 Mission St., at $12,350.
Brick, Wrecking and Scaffolding—J. L. Collins, $17,500.
Terra Cotta — N. Clark & Sons, 116 Natoma St., $1230.
Mill Work—Herring & Nutting, 750 Florida St., $1497.
Lathing and Plastering—M. J. King, 2343 Bay St., at $10,197.
Marble—J. E. Back, 1533 San Bruno Ave., $124.
Sheet Metal—Morrison & Co., 74 Duboce Ave., $4000.
Miscellaneous Iron — Monarch Iron Works, 262 7th St., $365.
Roofing—Alta Roofing Co., 976 Indiana St., $2333.
Glass — Crowe Glass Co., 675 Golden Gate Ave., $956.
Blackboards—Munthe Equipment Co., 7 Front St., $891.
Heating & Ventilating—M. P. Reeves, 959 Natoma St., $1989.
Electric—Nicklassen Electric Constr. Co., 51-A Downey St., at $3025.
Stairs—DiCristini & Son, 3150 18th St., $364.
Plumbing—Scott Co., 243 Minna St., at $660.

BIDS WANTED
MANTECA, San Joaquin Co., Cal.—Until July 5, 4:30 P. M., bids will be received by H. Van Loan, President, Calla School District, for painting and decorating work, plaster and lathing work for the one-story frame and brick veneer school building to be erected in Manteca for the Calla School District. Plans and specifications available from Architect Frank V. Mayo, 931 Eldorado St., Stockton, upon deposit of $10.00. Bids will be opened at the office of the Stockton Builders' Exchange, 242 East Miner Ave., Stockton. *

TO PREPARE PLANS
SAN MARINO, Los Angeles Co., Cal.—Architect Palmer Sabin, 170 E. California St., Pasadena, has been commissioned by the San Marino School District to prepare plans and specifications for an auditorium building to be built at the Huntington Dr. school site.

BIDS WANTED
LOS ANGELES, Cal.—Until 11:30 A. M., July 16, bids will be received by the Los Angeles board of education for reconstruction, rehabilitation and strengthening of the 60th Street school, located on the northeast corner of San Pedro and 67th Sts. Work will include installation of additional columns, reinforcing steel, steel guy rods, brick and concrete work, welding, gunite exterior, new windows, sash, etc. Plans were prepared by Architects Gene Verge, 802 Beaux Arts Bldg., and Structural Engineer S. B. Barnes, 803 W. 3rd St. Cost, $30,000.

Plans Being Completed
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO. San Mateo Co., Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Plans will be forwarded to Sacramento for approval about July 1.
(4054) 1st report March 31; 6th, June 8, 1934.

Complete Bid Listing
SCHOOL Cost, $19,000
MANTECA, San Joaquin Co., Calif.
One - story frame and brick veneer school building.
Owner—Calla School District.
Architect—Frank Mayo, 108 E. Miner St., Stockton.

Concrete

J. C. Nunley, 535 W. Rose St., Stockton	$1,302
A. H. Sandberg, Stockton	1,314
A. DePauli, Stockton	1,457
A. Tirrell, Stockton	1,492

Brick Work

Frank Hamilton, 535 N. Stockton Ave., Stockton	$ 809
D. Bishop, Modesto	930
J. Pengelly, Stockton	987
J. Davidson	1,047
J. C. Nunley, Stockton	1,522

Carpentry

Sam Eyre, Tracy	$6,706
John Meyer, Stockton	6,709
H. H. Henning, Stockton	7,150
Wm. Ecker, Stockton	7,309
L. Ubels, Ripon	7,598
J. C. Nunley, Stockton	8,575

Mill Work

Union Planing Mill, Taylor and Sutter Sts., Stockton	$1,396
Diamond Match Co., Stockton	1,428
Fisher Bros., Stockton	1,592
United Lumber Co., Stockton	1,630
Alpine Mill, Stockton	1,861

Electric

Commercial Electric Co., 811 E. Market St., Stockton	$ 834
Bright Spot, Stockton	959
E. L. Gnekow, Stockton	1,141
Eddy Electric Co., Stockton	1,198
G. A. Grider, Stockton	1,244

Heating

Miller Hays Co., Grant and Weber Sts., Stockton	$1,115
Martinez Sheet Metal Works, Martinez	1,496

Plumbing

Pahl Harry Co., 427 S. Channel St., Stockton	$1,325
J. R. Lyons, Stockton	1,442
A. Ray, Stockton	1,443
E. L. Gnekow, Stockton	1,526
W. T. Gibson, Stockton	1,681
Miller-Hays Co., Stockton	1,825

Roofing and Insulation

Martinez Sheet Metal Works, Martinez	$1,191
Zerbe Roofing Co.	1,225
San Joaquin Lbr. Co., Stockton	1,246
Stockton Roofing Co.	1,269

Floor Covering

McLean Hardwood Floor Co., Inc., Sutter and Hazelton Streets, Stockton	$380
Venor Co., Oakland	398

All bids held under advisement for a few days.
(3909) 1st report Jan. 23; 9th, June 22, 1934. *

16—BANKS, STORES AND OFFICES

Contract Awarded
ALTERATIONS Cost, $2000
BERKELEY, Alameda Co., Cal. 2164 Shattuck Avenue.
Alterations to building.
Owner—Pacific States Savings & Loan Association.
Architect—Not Given.
Contractor—Seymour Fixture & Showcase Co., 604 Mission Street, San Francisco.

General Contract Awarded.
REMODEL BUILDING Cont. Price, $87,632
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent), 15th and Clay Sts., Oakland.
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Other awards will be made shortly. Complete bids published June 23.

WORK POSTPONED
SAN FRANCISCO—Key Route Co. has indefinitely postponed construction of alterations to galley and restaurant on the ferry boats Hayward and San Leandro. Kent & Hass, 525 Market St., architects.

Contract Awarded
ADDITION Cost, $10,195
PALO ALTO, Santa Clara Co., Calif. Campus of Stanford University.
Two-story addition to building.
Owner—Alpha Phi Hall Assn., Inc., Palo Alto.
Architect—Gardner A. Dailey, 210 Post Street, San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.

Bids Opened
REMODEL BLDG. Cost, $——
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8- story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent).
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Following bids received:

General Work

Lindgren and Swinerton, 1723 Webster St., Oakland	$87,632
W. G. Thornally, Oakland	87,886
Dinwiddie Const. Co., S. F.	88,000
E. T. Lesure, Oakland	89,880
Barrett & Hilp, S. F.	88,950
B. A. Howkins, S. F.	89,400
George Maurer, Oakland	90,988
Geo. Swanstrom, Oakland	92 741
Henry Brown, Oakland	93,540
Monson Bros., S. F.	94,359
Schuler & McDonald, Oakland	98,749

Electric

Scott-Buttner Electric Co., 19 Grand Ave., Oakland	$4,899.50
Maxwell Hdwe. Co., Oakland	4,924.00
Rochester Elec. Co., Berkeley	5,079.00
K. A. Grant, Oakland	5,203.24
Roberts Mfg. Co., S. F.	5,439.00
White Electric Co., Berkeley	5,624.00
V. A. Raab, Berkeley	7,760.00

Linoleum

(1) terra cotta; (2) Jasbe.

D. N. & E. Walter, 572 Mission St., San Francisco	$4,981.60
(1)	5,146.85
(2)	5,597.10
Jackson Furn. Co., Oakland	$4,385.00
(1)	5,285.00
(2)	5,685.00
Sloane & Co., S. F.	$5,007.30
(1)	5,914.13
(2)	5,401.54
Higgins Lbr. Co., S. F.	$5,077.00
(1)	4,877.00
(2)	5,477.00
Venor Co., Oakland	$5,245.00
(1)	.....
(2)	5 900.00
Maxwell Hdwe. Co., Oakland	$6,808.00

Carpets

Jackson Furniture Co., 14th and Clay Sts., Oakland	$2,947.13
alternate	3,554.74
D. N. & E. Walter Co., San Francisco	$3,122.70
alternate	3,311.70
Sloane & Co., S. F.	$3,391.86

Window Shades

Jackson Furniture Co., 14th and Clay Sts., Oakland	$ 735.44
Maxwell Hdwe. Co., Oakland	793.07
D. N. & E. Walter Co., San Francisco	814.45
Charles Rice	1,422.00

Bids held under advisement.

Sub-Contracts Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO, 140 Sansome St.
Alterations to offices and lofts.
Owner—John Brockell & Co.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—D. L. Bienfield, 666 Mission Street.
Plumbing and Heating—Ed. Sugarman 3624 Geary Street.
Mill Work—Eureka Sash & Door, 1715 Mission Street.
Terra Cotta—Gladding, McBean & Co. 660 Market St.
Roofing—Alta Roofing Co., 976 Indiana Street.
Sheet Metal—George Neilan.
Painting—D. Zelinsky and Sons, 165 Grove Street.
Plastering—Peter Marconi, 1737 Beach
Elevators—Otis Elevator Co., 1 Beach.
Marble—Mission Marble Co.
Tile Work—American Art Tile Co.
Glass and Glazing—W. P. Fuller and Co., 301 Mission St.
Lumber—Beronio Lumber Co., Powell and Beach Sts.

June 25, 1934

Sub-Contracts Awarded
ALTER STORE Cont. Price, $7695
SAN FRANCISCO. 460 Bryant Street.
Alterations and additions to store.
Owner—Edward Lyons.
Architect—Albert Roller, Crocker 1st National Bank Bldg.
Contractor—H. Abrahams, 50 Silliman Street.
Heating—E. A. Cornelly, 1452 Bush.
Electric—American Electric Co.
Mill Work—H. S. Thompson.
Ornamental Iron—S. F. Wire Iron Wks 53 Colton St.
Roofing—Malott & Petersen, 3221 20th Street.
Sheet Metal—Zeman Sheet Metal W'ks 1570 Ellis St.
Painting—Z. Bleckman, 3241 Market Street.
Elevators—Otis Elevator Co., 1 Beach.
Glass and Glazing—Smith Glass Co., 479 Bryant Street.
Lumber—H. S. Thompson.
Hardware—Marshall Newell Co.
Iron Grill Work—S. F. Wire & Iron Works, 53 Colten St.
(4588) 1st report May 29; 2nd, May 31, 1934.

CONTRACT AWARDED
LOS ANGELES, Cal.—P. J. Walker Co., 3900 Whiteside Ave., will alter framing on the first to sixth floors inclusive, of Bullock's department store at 657 S. Broadway, to provide for the installation of escalators. Westinghouse Electric Elevator Co., 420 S. San Pedro St., will install the escalators. Cost of the structural changes is estimated at $200,000 and the equipment at an equal amount. John and Donald B. Parkinson, architects; J. G. Middleton, structural engineer, 808 Title Insurance Bldg.

Preparing Plans
OFFICE BLDG. Cost, $40,000
MARYSVILLE, Yuba Co., Cal. Seventh and B Streets.
Two-story office building for highway department.
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Bids will be asked about July 20.

Contract Awarded.
BUILDING Cost, $15,000
TAFT, Kern Co., Cal. Center and Sixth Streets.
One-story store and office building.
Owner — Firestone Service Stores, Taft.
Architect—Not Given.
Contractor—Ralph McGray, Taft.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 9 Stockton St.
Alterations to store building.
Owner—Starks Millinery, Premises.
Architect — George Applegarth, Russ Bldg., San Francisco.
Contractor—Unit Bilt Fixture Co., 963 Harrison St., San Francisco.

17— THEATRES

Plans Being Prepared.
THEATRE Cost, $——
REDDING, Shasta Co., Cal. Market St., between Placer and Sacramento Sts.
Reinforced concrete theatre, store and office building.
Owner—T. & D. Jr. Enterprises, Inc., 25 Taylor St., San Francisco.
Architect—Not Given.
Plans will be completed in about thirty days.

Additional Sub-Contracts Awarded
ALTER THEATRE Cost, $25,000
PIEDMONT, Alameda Co., Calif. 4186 Piedmont Avenue.
Alterations and additions to present theatre building (new seats, decorating, painting, etc.)
Owner—E. L. Herbold.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Lessee—Golden State Theatre Co., 25 Taylor St., San Francisco.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.
Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.
Ornamental Iron Work—C. Frauneder, 335 8th St., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Sash & Doors—Western Door & Sash Co., 5th and Cypress, Oakland.
As previously reported, electric work awarded to Matson Seabrooke Co., 4115 Broadway, Oakland; painting and decorating to Robert E. Powers Co., 34 Golden Gate Ave., Oakland; heating to Aladdin Heating Corp., 5107 Broadway, Oakind.

18— WHARVES & DOCKS

BIDS WANTED
SAN FRANCISCO—Until July 5, 2 P. M., informal bids will be received by State Board of Harbor Commissioners, for furnishing and installing two steel rolling doors on Pier No. 42. Specifications available from above office.

CONTRACT AWARDED
SAN FRANCISCO — Healy Tibbitts Constr. Co., 64 Pine St., at $28,792 awarded contract by War Department for repairs to fender piling and to concrete piers and decks on Piers Nos. 1, 2 and 3 at Fort Mason. Duncanson Harrelson Co., deYoung Bldg., at $9500 awarded contract for concrete patching.
Complete bids published June 16.

Bids Wanted—To Close July 17, 4 P. M.
WHARF AND SHED Cost, $725,000
STOCKTON, San Joaquin Co., Cal. Port of Stockton.
Fireproof wharf (1740 feet in length) wood piling, transit shed in four continuous unit to contain 180,000 sq. ft. of floor space; steel construction, built-up roof, etc.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall.
Plans and specifications may be obtained from Col. Allin, upon deposit of $50. Work is to be completed within 200 days.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
McNEIL ISLAND, Wash. —Automatic Elec. Co., 1003 W. Van Buren St., Chicago, Ill., at $18,799.83 awarded contract by Department of Justice, for a private interior telephone exchange at the U. S. Penitentiary at McNeil Island.

CONTRACT AWARDED
SAN FRANCISCO—D. E. Manning, 118 Virginia St., San Francisco, at $690.75 awarded contract by Ninth Corps Area. Presidio, for the erection of a transmission line diversity antenna at the Presidio, San Francisco.
Complete bids published June 23.

BIDS OPENED
FRESNO, Cal.—Victor J. Cox Co., 2820 Tulare Co., Fresno, at $626.17 submitted low bid to State Department of Public Works, for ventilating fans

for the district office building, Fresno. Following bids received:

Victor J. Cox Co.	$626.17
New England Sheet Metal Wks.	640.00
Robinson Electric Co.	650.00
Curtis Hess	668.00
Harris Osborne	673.00
Valley Electric Supply Co.	677.00
Barrett-Hicks Co.	699.00

Sub-Contracts Awarded

POOL Cost, $——

MODESTO, Stanislaus Co., Cal. Magnolia Street.

Concrete swimming pool (35x70 feet) filtration system, etc.

Owner—Warren Tilson, Modesto.

Architect—G. N. Hilburn, 1212 I St., Modesto.

Contractor—Harry Brown, Laurel St., Modesto.

Plumbing—E. R. Moore, Modesto.

Electric Wiring—Palmer Electric Co., 940 11th St., Modesto.

Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.

Roofing—Central Roofing Co., 611 10th St., Modesto.

Plastering—E. A. Ream, American Ave., Modesto.

Lumber—Modesto Lumber Co., 621 9th St., Modesto.

BIDS WANTED

PORTLAND, Oregon—Until July 9, bids will be received by Supt. of Lighthouses, Customhouse, Portland, for the construction of a reinforced concrete power house and fog signal building at Waadah Island, Neah Bay, Washington.

BIDS WANTED

SAN FRANCISCO — Director of Property, Joseph J. Phillips, City Hall, will receive bids for sale at Public auction on July 6, 9 A. M., dwelling house, 10 hot houses, water tank and other improvements located on the block bounded by Wayland, Dartsmouth, Woolsey and Colby Streets, San Francisco. Purchaser must remove improvements from the property within twenty days from date of sale.

CONTRACT AWARDED

SAN FRANCISCO.—D. E. Manning, 118 Virginia Ave., at $244.00 awarded contract by Signal Officer, 9th Corps Area, for the erection of ten 50-foot antenna poles at Fort Miley. Work includes pouring of seven concrete blocks or deadmen for the purpose of guying seven of the ten poles.

Following bids received:

D. E. Manning	$244.00
Eureka Electric Radio Co.	339.00
Severin Electric Co.	360.00
A. Soda & Son, Oakland	369.00

Preparing Working Drawings.

ADDITION Cost, Approx. $30,000

ALAMEDA, Alameda Co., Cal. Central Ave. and Oak St.

Additions to present swimming pool at high school (75x30 ft.); tile finish.

Owner—Alameda High School District (Wm. G. Paden, Secretary).

Architect—Carl Werner, 1302 Bay St., Alameda.

Bids will be asked in about three weeks.

CONTRACT AWARDED

UKIAH, Mendocino Co., Cal.—Jos. Villa, Albany, at $4800 awarded contract by County Supervisors for moving two-story Detention Home from its present site to location on ground near other buildings forming a part of the Mendocino County Hospital. Work includes furnishing all labor, implements, tools and machinery for moving and placing building upon a foundation to be provided by the county.

CONTRACT AWARDED

FORT STANTON, N. M.—A. Smith Co., Chicago, awarded contract by Treasury Department, at $2900, for rebuilding 40 tent houses at the United States Marine Hospital, Fort Stanton, N. M.

BIDS OPENED

FT. TUTHILL, Ariz.—U. S. Property and Disbursing Officer, Militia Bureau, Phoenix, opened bids for 200 wooden tent floors, concrete floor in warehouse, elevated steel water tank, water heater for infirmary, 36 laundry trays in mess hall-kitchens, incinerator, metal tops on serving counters in 18 mess hall-kitchens, additions to three latrine buildings and the addition of coal bins to four bathhouse latrines at Ft. Tuthill, Arizona.

The low bids follow:

Tent Floors: Pierson and Duhame, Phoenix, $6219.68 (stipulating they would accept all of items bid on or none); Del E. Webb Const. Co., Phoenix, $7,046.50.

Concrete Floor: Del E. Webb Const. Co., $899.

Steel Water Tank: Chicago Bridge & Iron Co., $9587; Pittsburgh - Des Moines Steel Co., $11,850.

Water Heater: Standard Oil Company, Phoenix, $137.00.

Laundry Trays: J. R. Lippincott, Los Angeles, $686.00.

Incinerator: Pierson & Duhame, $3-692 (only bid submitted).

Counter Tops: Del E. Webb Const. Co., $1250.

Latrine Additions: Pierson and Duhame, $4682; J. R. Lippincott, $5151.

Coal Bins: Pierson & Duhame, $126; J. R. Lippincott, $198.

The bids have been sent to Washington for approval, after which the awards of contracts will be made.

Contract Awarded.

CONVENIENCE STA. Cost, $——

SAN FRANCISCO. Clay and Scott Streets.

One-story reinforced concrete convenience station (tile roof).

Owner—City and County of San Francisco (Park Commission).

Contractor—A. H. Vogt, 250 Eleventh St., San Francisco.

Following bids received:

A. H. Vogt	$2790.00
E. Icardi	2926.00
Board of Park Commissioners	2937.76
Frank J. Reilly	2,931.00
David Nordstrom, Oakland	3098.00
Monson Bros	3140.00
D. C. McCabe	3327.00
Jules Tassi	4025.00

All bidders of San Francisco unless otherwise noted.

BIDS OPENED

VANCOUVER, Wash.—Portland Tug & Barge Co., Box 119, Route 2, Portland, at $2,475 submitted low bid to the U. S. Engineer Office, Portland, June 19, under Spec. No. 34-742, for removing hull, machinery, boiler and equipment of the sunken stern wheel wooden hull steamboat "Diamond C" from the Columbia river, 15,000 feet below the S. P. & S. Railway bridge at Vancouver, and disposing of the wreckage.

Complete bids follow:

Portland Tug & Barge Co., Portland, $2,475.

Portland Dredging Co., Portland, $2,800.

Gilpin Const. Co., Portland, $3,472.

Engineer's estimate, $3,137.

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO—D. E. Manning, 118 Virginia St., San Francisco, at $690.75 submitted low bid to the Signal Officer, 9th Corps Area, Presidio of San Francisco, for the erection of a transmission line, diversity antenna, at the Presidio. Complete bids follow:

D. E. Manning, San Francisco	$690.75
Eureka Electric Co., S. F.	769.00
A. Soda & Son, Oakland	780.00
Severin Electric Co., S. F.	810.00

All bids held under advisement.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C. on August 15, for the re-ection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor, T. H. Spec. No. 7641:

Thomas J. Thompson, 112 N. 6th St., Phila.

Victor R. Browning & Co., 1320 E. 222nd St., Cleveland.

R. W. Kaltenbach Corp., Bedford, Ohio.

Plans and specifications may be obtained from above office and from the commandant, 14th Naval District, Navy Yard, Pearl Harbor, and from Commandant, 12th Naval District, 100 Harrison St., San Francisco, upon deposit of $10.00.

BIDS OPENED

WEST LOS ANGELES, Cal.—Martter & Bock, Ltd., 1007 S. Harvard Blvd., Los Angeles, at $24,958.62 submitted low bid to the Veterans' Administration Facility, Washington, D. C., for the construction of a storm drain at the Veterans Administration Facility, Sawtelle. Complete bids follow:

Martter & Bock, Los Angeles,	$24,958.62.
Silveria & Robbins, Ventura,	$27,530.94.
L. F. Dow Co., Los Angeles,	$27,615.08
Los Angeles Constr. Co., Los Angeles,	$29,821.55.
Fred F. Greenfield Co., Los Angeles,	$30,853.12.
L. B. Kongevod, Los Angeles,	$32,014.
John Oberg, Los Angeles,	$32,166.08.
Marko Matich, Los Angeles,	$34,697.
Griffith Co., Los Angeles,	$36,702.50.
R. A. Wattson, Los Angeles,	$37,811.15
George Hess, Los Angeles,	$37,830.16.

Bids held under advisement.

CONTRACT AWARDED

SUMMITT, Canal Zone—H. B. Nelson Construction Co., 305 Red Rock Bldg., Atlanta, Georgia, at $47,816 awarded contract by Public Works Officer, Canal Zone, for concrete foundations for raido towers at the Naval Radio Station, Summitt, Canal Zone.

BIDS OPENED

STOCKTON, Cal. — Following bids received by the San Joaquin County Board of Supervisors, Stockton, for the installation of a new Water Tube Boiler, 4 drum Sterling, or equal, at the San Joaquin General Hospital, Stockton:

(A) Boiler; (B) Foundation and stack

Herman Lawson, San Francisco, (A) $5307; (B) $8222.

Frederick W. Snook, San Francisco, (A) $6000; (B) $7932.

R. G. Meyler Corp., Los Angeles, (A) $6270; (B) $8700.

Jones Gas Process Co., San Francisco, (A) $6941; (B) $8219.

C. C. Moore & Co., San Francisco, (A) $6453; (B) $7315; (Alt. A) $6700; (Alt. B) $7405.

California Steel Products Co., San Francisco, (A) $6635; (B) $7542.

R. L. Johnson, Los Angeles, (A) $7423 (B) $8145.

PROSPECTIVE BIDDERS

YUMA, Arizona — Following have procured plans for the purpose of submitting bids to the Treasury Depart-

(2) 10 tons hydrated lime, to be delivered on June 29 for air conditioning at the U. S. Post Office in Yuma:
Soderman Heating & Plumbing Co., 23 Dilmar Bldg., St. Louis, Mo.
The Greene-Wolfe Co., Inc., 261 40th St., Brooklyn, N. Y.
Mechanical Engineering Service, 1315 H St., N. W., Washington, D. C.
Emil Brown & Co., 300 E. 9th St., Los Angeles.
C. C. Moore & Co., 200 Edison Bldg., Los Angeles.
Illinois Electric Ventilating Co., 2850 N. Crawford Ave., Chicago.
Carrier Engr. Corp. Tower Bldg., Washington, D. C.
York Ice Machinery Co., Investment Bldg., Washington, D. C.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Cal.—Melrose Building Materials Co., 4501 Tidewater St., Oakland, awarded contract by East Bay Municipal Utility District for furnishing:
(1) 200 tons quicklime to be delivered to San Pablo Filter Plant, El Cerrito, $3150.
livered at El Cerrito, $192.50.
(3) 75 tons hydrated lime, to be delivered at Upper San Leandro Filter plant, $1443.72.

BIDS OPENED

OAKLAND, Cal.—Identical bids at $0.0525 per gal, for furnishing 240,000 gallons emulsified road oil, regular type; were submitted by the Union Oil Co., Shell Oil Co., and American Bituminous Co., to the Oakland City Council.
Shell Oil Co. and American Bitumuls Co. submitted identical bids at $0.0525 per gal. for furnishing 20,000 gals. emulsified road oil, Honing type.
Bids held under advisement. 20
June 23, 1934

CONTRACT AWARDED

SAN FRANCISCO.—Following contracts awarded by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing track supplies, etc., under Bid No. 1198:

United Commercial Co.
(1) 60 kegs 9/16x5½-in. trackspikes, per keg, $2.85.
(2) 30 kegs 1x4¼-in. track bolts, $4.55

Pacific Coast Steel Corp.
(3) 950 ⅞-in. std. tie rods, with nuts, $0.45.
(4) 50 pairs joint plates for 141 lb. 9-in. girder rail, per cwt., $6.25.
Complete bids published May 23.

CONTRACT AWARDED

SAN FRANCISCO.—Following contracts awarded by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing Dayton or Dresser pipe couplings, under Bid No. 1208:

Richmond Sanitary Co.
(1) 300 ½-in. Dayton or Dresserpipe couplings, each, $0.3937, Dresser.
(2) 1500 ¾-in. do, $0.4227, Dayton.
(3) 100 1-in. do, $0.5119, Dresser.
(4) 100 1½-in. do, $0.6321, Dresser.
(5) 100 2-in. do, $1.0754, Dayton.
(6) 100 ¾-in. galv. pipe straps, each, $0.005.
(7) 200 service clamps, 1x¾-in. each.
(8) 200 do, 1½x¾-in. do, each, $0.46.

CONTRACT AWARDED

WHITTIER, Los Angeles Co., Cal.—National Cast Iron Pipe Co., 625 S. Western Ave., Los Angeles, at $0.645 per ft. awarded contract by Whittier City Council for furnishing 20,000 ft of Class B or Class 150 6-in. cast iron pipe fob delivered city yards.
Bids were taken as follows:
(1) 10,000 ft. 6-in. Class B or Class 150 cast iron pipe;
(2) (Alt.) 20,000 ft. do.
Complete bid follow:
National Cast Iron Pipe Co., (1) $0.655; (2) $0.645.
Pacific States Cast Iron Pipe Co., (1) $0.663; (2) $0.663.
American Cast Iron Pipe Co., (1) $0.67; (2) $0.67.
U. S. Pipe & Foundry Co., (1) $0.684; (2) $0.684.
Utility Supply Co., (1) $0.774; (2) $0.774.

CONTRACT AWARDED

OAKLAND, Cal.—Linde Air Products Co., 40th and Watts Sts., Oakland, at $1406 (125,000 cu. ft. oxygen gas) and $2132.50 (85,000 cu. ft. dissolved acetylene gas) awarded contract by East Bay Municipal Utility District.

CONTRACT AWARDED

SOUTH PASADENA, Calif.—U. S. Pipe & Foundry Co., 417 S. Hill St., Los Angeles, at $8,067.42 awarded contract by South Pasadena city council June 20 for furnishing cast iron pipe.

BIDS OPENED

OAKLAND, Cal.—American Bitumuls Company, 860 45th Ave., Oakland, and Union Oil Co., 516 18th St., Oakland, at $9,417.1875 submitted identical bids to East Bay Municipal Utility District for furnishing 175,000 gals. of emulsified asphalt to be delivered f.o.b. trucks, bidder's plant. Only other bid was submitted by the Shell Oil Company, at $9,417.19. Bids held under advisement.

BIDS OPENED

SAN FRANCISCO.—The Enterprise Foundry Corp., 2902 19th St., at $0.037 per lb., submitted low bid to T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1218, for furnishing approximately 324 tons of cast iron bell and spigot pipe fittings, 16-in. and under.
United Iron Works, San Francisco, at $0.041 per lb., submitted the only other bid.
All bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal.—California Portland Cement Co., Colton; Monolith Portland Cement Co., Monolith; Riverside Cement Co., Riverside, and Southwestern Portland Cement Co., jointly, were awarded contract by the Metropolitan Water District, Los Angles, June 22, at $1.43 per bbl. for furnishing 600,000 bbls. of Portland cement. The district reserves the option to purchase in sacks at 48c per bbl. additional, with an allowance of 10c per sack returned within 90 days.

CONTRACT AWARDED

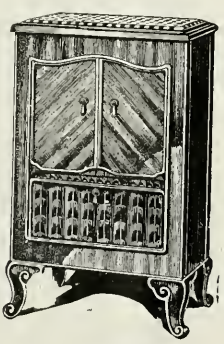
BERKELEY, Alameda Co., Cal.—White Electric Co., 2305 Shattuck Ave. Berkeley, awarded contract by Berkeley City Council for furnishing electric lamps for the fiscal year for the City of Berkeley. Prices quoted are list prices with a 35% discount for high grade standard package and 30% discount, for high grade, broken packages.

CONTRACT AWARDED

SAN FRANCISCO.—California Tie & Timber Co. has been awarded contract by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1199, for furnishing 5,000 6x8x8 No. 1 split California redwood ties.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District under Proposal No. 537, for furnishing:
(1) 2700 tons fine concrete aggregate f.o.b. Lafayette;
(2) 2700 tons fine concrete aggregate f.o.b. Orinda;
(3) 6500 tons 1½-in. coarse concrete aggregate f.o.b. Lafayette;
(4) 6500 tons 1½-in. coarse concrete aggregate f.o.b. Orinda.
Hutchinson Co., Oakland, (3) $1.625; Total, $10,562.50.
Pacific Coast Aggregates, Oakland, (1) $1.45; (3) $1.45; plus sales tax.
Kaiser Paving Co., Oakland, (1) $1.45; (3) $1.45; plus sales tax.
Blake Bros., San Francisco, (3) $1.64; Total, $10,660.
Rhodes & Jamieson, Ltd., Oakland, (4) $12,220 (total).
Hirt & Lloyd, Lafayette, (1) $1.35; (2) $1.90; (3) $1.35; (4) $1.90.
Golden Gate Stucco & Bldg. Materials Oakland, (2) $1.898, total, $5124.60; (4) $1.898; total, $12,337; lump sum $17,461.60.
California Rock & Gravel Co., San Francisco, (1) $1.478, total, $3,972.37; (3) $1.478, total, $9563.13; lump sum, $13,535.50.
All bids held under advisement.



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OAKLAND Phone LAkeside 1268

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublio agencies.

WAR DEPARTMENT

FORT LEWIS, Wash.—Until July 2, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, Wash., for furnishing 7000 lbs. waterproofing compound. Delivery f. o.b. Fort Lewis, Wash. Specifications obtainable from above.

OAKLAND CITY

OAKLAND, Cal.—Until July 3, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, Room 104, Administration Bldg., Oakland, for metals including iron, steel aluminum, brass and copper and tin; electrical supplies.

Specifications on file in the office of the Director of Purchasing, Room 115, Administration Bldg., Oakland.

LODI SCHOOL DISTRICT

LODI, San Joaquin Co., Cal.—Until July 9, 8 P. M., bids will be received by R. J. Stuck, Clerk, Lodi Union High School District, for furnishing laundry equipment as follows:

One 20" Extractor, motor driven, equipped with safety interlocking device—Simplex or equal.

One Drying Tumbler, 36x30", motor driven, gas heated—Simplex, or equal.

One Washer, 30x52" cylinder, with direct motor drive mounted at right end of washer. No overhead shafting or belts—No. 4 Simplex, or equal.

SONOMA COUNTY

SONOMA COUNTY, Cal.—Until July 10, 12 M., bids will be received by the Sonoma County Board of Supervisors, Court House, Santa Rosa, George P. Sanborn, Clerk, for sale of 30 tons structural steel used down and piled, at the Dry Creek Bridge, near Healdsburg.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until July 6, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing wooden school furniture for the School Department. Items include:

(1) 300 chairs, tablet, arm, 18 inches in height;
(2) 500 chairs, library, 18 inches;
(3) 400 chairs, assembly folding, in sets of two;
(4) 6 chairs, swivel, full quartered oak, without arms;
(5) 500 chairs, primary, 14 inch, improved Mosher type;
(6) 100 desks, flat top, single pedestal
(7) 550 stools, maple, braced with four metal rods (1) 200 stools, 18 inch; (2) 100 stools, 24-in.; (3) 250 stools, 30 in.;
(8) 100 teachers' tables;
(9) 100 typewriter tables;
(10) 1000 table tops, primary tables.

Specifications and proposal blanks available from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment as follows:

PRESSES, collar and neckband, and spares, 9; and 11 laundry marking machines; East and West Yards. Sch. 2762; July 3.

AMMETERS, 700; 100 ignition switches; 100 ignition coils; 25 rotors; 60 caps; 40 distributors; distributor spares; 75 generators and generator parts; and 1800 ignition terminals; Mare Island. Sch. 2769 July 3.

INDICATORS, test, 143; Mare Island and Puget Sound. Sch. 2780; July 6.

SHAFTS, Class B steel propeller, 39,799 lbs.; Mare Island. Sch. 2774; July 6.

CUPS, toothbrush, 400; 400 soap dishes, and 120 towel racks; Mare Island. Sch. 2793; July 6.

STEEL, galvanized corrugated sheet, 42,000 lbs.; East and West Yards. Sch. 2794; July 10.

SCRAPERS, ship, 8944 for Mare Island, 1848 for Puget Sound, and 3000 for San Diego. Sch. 2802; July 10.

GUNS, pressure lubricating; East and West Yards. Sch. 2801; July 10.

CABLE, electric; cord, and wire; East and West Yards. Sch. 2800; July 10.

CABLE, electric; cord and wire; East and West Yards. Sch. 2799; July 10.

MACHINES, laundry washing, 2, and spares; Puget Sound. Sch. 2798; July 10.

TUBING, seamless steel; East and West Yards. Sch. 2806; July 10.

INSULATORS, loop antenna suspension, 1600 Mare Island,and 1600 sets hardware, Mare Island. Sch. 2816; July 13.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until July 5, 740, 207 S. Broadway, for furnishing 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 250 stringing sheaves under Spec. No. 1458.

BAKERSFIELD CITY

BAKERSFIELD, Kern Co., Cal.—Until July 12, 7:30 P. M., bids will be received by the Bakersfield Board of Education for one Dodge light delivery truck. Bids to state allowance on one 1919 Dodge and one 1926 Nash coach.

Florence C. Porter, secretary.

EUREKA CITY

EUREKA, Cal.—Until July 3, 8 P. M., bids will be received by the Eureka City Council, A. Walter Kildale, Clerk, for furnishing 1,000 ft. of 2½-in. double cotton jacket rubber lined fire hose in 50-ft. lengths with couplings.

Specifications obtainable from above office.

NAVY DEPARTMENT

BREMERTON, Wash.—Until July 10 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard for furnishing 3,000 lbs. graphite electrodes, 4-in. diameter, 40-in. long, weight approximately 30 lbs. each. Req. No. 475 NSA .

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until July 2, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing 5 500-gallon fire trucks, under Bid No. 1027, SDO.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until July 2 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot , Government Island, Oakland, for furnishing 12 increment borers, under Bid No. 1018, SDO. Specifications obtainabue from above office.

June 28, 1934

GOVERNMENT ISLAND, Cal.—Until July 5, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing 1000 dozen gasoline lantern mantels, under Bid No. 1020, SDO. Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until July 9, 2 P. M., bids will be received by Frank Haynie, Supply Officer, U. S. Department of Agriculture, Forest Service Supply Depot, Government Island, Oakland, for furnishing 400 water-proofed packsacks, under Bid No. 1024, SDO.

Specifications obtainable from above.

GOVERNMENT ISLAND, Cal.—Until July 9, 2 P. M., bids will be received by Frank Haynie, Supply Officer, U. S. Department of Agriculture, Forest Service Supply Depot, Government Island, Oakland, for furnishing 100 dozen 2-gallon water bags, under Bid No. 1021, SDO. Delivery fob shipping point of bidder and/or Government Island.

Specifications obtainable from above.

GOVERNMENT ISLAND, Cal.—Until July 9, 2 P. M., bids will be received by Frank Haynie, Supply Officer, U. S. Department of Agriculture, Forest Service Supply Depot, Government Island, Oakland, for furnishing 300 5-gallon water bags, under Bid No. 1031, SDO. Delivery fob shipping point of bidder.

Specifications obtainable from above.

GOVERNMENT ISLAND, Cal.—Until July 10, 2 P. M., bids will be received by Frank Haynie, Supply Officer, U. S. Department of Agriculture, Forest Service Supply Depot, Government Island, Oakland, for furnishing 200 office shears, under Bid No. 1026, SDO. Delivery fob shipping point of bidder and/or fob Government Island.

Specifications obtainable from above.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

LOW BIDDERS

FLAGSTAFF, Ariz.—N. G. Hill and Co. and H. L. Royden, 1145 W. Culver St., Phoenix, at $74,425 submitted low bid to the Arizona State Highway Commission, Phoenix, June 20, for the construction of a railroad underpass in Flagstaff, N. R. M. 21 (A. F. E. 507). Work consists of the construction of a railroad underpass and incidental grading, draining and paving work.

Vinson & Pringle, Phoenix, at $78,093 submitted second low bid.

CONTRACT AWARDED

WINSLOW, Arizona—H. L. Royden, Box 865, Phoenix, at $4,017.60 awarded contract by Arizona State Highway Commission, Phoenix, for the removal and disposal of an old concrete bridge and construction of a new concrete bridge culvert at the same location in Winslow, N.R.M. 20 (A.F.E. 531). Bids were opened Apr. 18.

CONTRACT AWARDED

SKAGIT AND ISLAND COUNTIES, Wash.—Puget Construction Co., 219 Colman Building, Seattle, at $304,755 awarded contract by Washington State Highway Commission, Olympia, for construction of steel bridges over Deception and Canoe Passes on the Route of Secondary Road No. 9, PWA project 6706, in Skagit and Island Counties, consisting of one cantilever span with a total length of 900 feet and one arch span with a total length of 450 ft. with a 22 ft. roadway and two 3½ ft. sidewalks.

Complete bids follow:

Puget Sound Construction Co., Seattle, $304,755.
West Coast Construction Co., Seattle, $311,397.
Pacific Car & Foundry Co., Seattle, $344,090.
J. H. Pomeroy & Co., Inc., San Francisco, $349,382.
General Construction Co., Seattle, $352,295.
Consolidated Steel Corp., Ltd., Los Angeles, $356,390.
MacRae Bros., Seattle, $356,880.
Sheble Constr. Co., Seattle, $383,660.
Teufel & Carlson, Seattle, $368,530.

CONTRACT AWARDED

SAN FRANCISCO.—The Directors of the Golden Gate Bridge & Highway District have authorized Alta Electric & Mechanical Co., Inc., 467 O'Farrell St., to extend conduits from the Marina tunnel to the bridgehead, at a cost of $0.65 per ft., total approximately $11,000

The power conductors will be furnished by the Pacific Gas & Electric Company.

BIDS WANTED

CHELAN COUNTY, Wash. — Until July 10, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for the construction of an undercrossing of the Great Northern Railway Company, consisting of three 50-ft. plate girder spans; and for constructing a continuous reinforced concrete girder bridge 175 ft. long over Nason Creek, both on State Road No. 15 near Berne, F. P. W. Project 8331, Chelan County.

Plans and specifications obtainable from above office upon deposit of $2.

CONTRACT AWARDED

LANE COUNTY, Ore.—Mercer-Fraser Co., Second and Commercial Sts., Eureka, Calif., at $491,646 awarded contract by the Oregon State Highway Commission, Portland, for the construction of a bridge approximately 1,649 feet long, with a 27-ft. roadway and two pedestrian walkways over the Siuslaw River at Florence, in Lake County.

CONTRACT AWARDED

DOUGLAS COUNTY, Ore.—Teufel & Carlson, Skinner Bldg., Seattle, at $551,234 awarded contract by the Oregon State Highway Commission, Portland, for the construction of a steel and reinforced concrete bridge 2,213 ft. in length, over the Umpqua River at Reedsport, Douglas County.

Complete bids published June 12.

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until July 2, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Bid No. 1010 for furnishing and fabri- Government Island, Oakland, under cating all structural steel for one 67-ft. trestle and beam span, bolts for field connections, and all miscellaneous steel portions necessary for erection, etc., for the El Portal Bridge No. 3, Stanislaus National Forest.

Delivery fob bidder's shipping point and/or fob El Portal, Yosemite R. R.

Further information obtainable from the U. S. Forest Service Bridge Engineer, 85 Second St., San Francisco.

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until July 2, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1009 for furnishing and fabricating all structural stel for one 130-ft. continuous beam span with two splices per beam, and all miscellaneous steel portions necessary for erection, etc., for the Van Duzen river Bridge, Trinity National Forest.

Delivery fob bidder's shipping point and/or fob Eureka.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Further information obtainable from the U. S. Forest Service Bridge Engineer, 85 Second St., San Francisco.

BIDS WANTED

LINCOLN COUNTY, Nevada.—Until July 6, 2 P. M., bids will be received by the Nevada State Highway Directors, Heroes Memorial Bldg., Carson City. S. C. Durkee, State Highway Engineer, for the construction of a bridge and approaches over Meadow Valley Wash near Caliente, in Lincoln County, Route 7, Section C, a length of 0.23 mile. The work involves:

(1) 1,120 c. y. roadway excavation;
(2) 552 sta. yds. overhaul;
(3) 682 c. y. select borrow;
(4) 680 c. y. structure excavation;
(5) 0.21 mile subgrade;
(6) 665 c. y. cru. gravel or stone surf.;
(7) 245 c. y. Class A concrete;
(8) 15,000 lbs. reinforcing steel;
(9) 82,000 lbs. structural steel;
(10) 26.5 MFBM redwood;
(11) 3,200 lin. ft. foundation piles;
(12) 104 drive foundation piles;
(13) 285 sq. yds. asphaltic plank;
(14) 64 lin. ft. 30-in. CMP;
(15) 6 monuments;
(16) 1 remove bridge;
(17) 0.23 mile finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5.00, $2.50 returnable; and on file at the offices of the Bureau of Public Roads, 461 Market St., San Francisco.

CONTRACT AWARDED

DOUGLAS COUNTY, Oregon—J. F. Johnston, Newberg, Oregon, at $10,866 awarded contract by the Bureau of Public Roads, Portland, for improving two 41 ft. reinforced concrete spans, extension to Diamond Creek Bridge, Tiller Trail Highway Project NR-16-F3, Umpqua National Forest, Douglas County, Oregon.

BIDS OPENED

LOS ANGELES, Cal.—J. E. Burrell and J. S. McKitrick Co., Inc., 5905 Pacific Blvd., Huntington Park, submitted low bid to the Los Angeles County Board of Supervisors, June 25, at (1) using T-Tri Lok (or equal) floor, $46,292; (2) using concrete floor, $40,692, for constructing a steel bridge on Del Mar Ave. over Alhambra Wash. The proposed bridge will consist of one 75-ft. rigid frame steel span with a 44-ft. roadway, two 5½-ft. sidewalks, steel and concrete deck, and steel railing. The other bids were:

Bannister-Field Co., Ltd., Los Angeles, (1) $48,345; (2) $44,245.
D. J. Reed and Jos. Maiser, Los Angeles, (1) no bid; (2) $46,461.
Parish Bros., Hollywood, (1) $49,549; (2) $44,200.
Byerts & Dunn, Los Angeles, (1) $52,132; (2) $47,232.
Andy Sordal, Long Beach, (1) $52,369; (2) $47,250.
Lynch-Cannon Engr. Co., Los Angeles, (1) $52,750; (2) $48,250.
Oscar Oberg, Los Angeles, (1) $53,000; (2) $47,787.
Gist & Bell, Arcadia, (1) $54,250; (2) $49,250.
Theo. A. Beyer Corp., Los Angeles, (1) $55,709; (2) $51,709.
H. M. Baruch Corp., Los Angeles, (1) $60,660 ;(2) $55,189.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

SAND ISLAND, Oregon—Until July 3, 3 P. M., bids will be received by the U. S. Engineer Office, Major Charles Williams, District Engineer, 306 Cus-

tomhouse, Portland, under Bid No. 34785, for furnishing and placing 12,000 cu. yds. of stone along pile dike No. 110-0 and two spurs at easterly end of Sand Island, Columbia River, about 10 miles below Astoria, Oregon.

Plans and specifications obtainable from above office.

CONTRACT AWARDED

NEWPORT BAY, Calif.—Rohl-Connolly Co., 4351 Alhambra Ave., Los Angeles, at $557,790 awarded contract by the U. S. Engineer Office, Los Angeles, for the reconstruction, repairs, and extension of jetties at entrance to Newport Bay.

BIDS WANTED

YUBA COUNTY, Cal. — Until July 10, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, for the construction of a levee approximately 9.6 miles in length on the northerly side of Simmerly Slough from the W. P.R.R. to the S.P.R.R., and along the southerly side of the S.P.R.R., from Simmerly Slough to the easterly bank of the Feather River, and along the easterly bank of the Feather River from the S.P.R.R. to a point about 8 miles northerly therefrom. The work includes all reconstruction of fences, road crossings, irrogation channels, etc. Approximately 371,000 cu. yds. of embankment are to be placed in levee.

Spec. No. 5976 and plans may be obtained at above office.

23— IRRIGATION PROJ.

CONTRACTS AWARDED

YUMA, Arizona — W. E. Callahan Construction Co., Herman Gunther and J. P. Shirley, 708 Kirby Bldg., Dallas, Texas, awarded contract by the Bureau of Reclamation, Washington, D. C., at $4,859,587.50, for constructing about 30 miles of the All-American Canal, between Station 245 and 1860, Schedules 1 to 6, inclusive.

Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, awarded contract for constructing about 1750 ft. of the All-American Canal between Station 1140+50 to Station 1148+50, and Station 1161+00 to Station 1170+50, Schedule 7, at $226,800.

BIDS WANTED

ADRIAN, Ore.—Until July 12, 10 A. M., bids will be received by the United States Bureau of Reclamation, Ontario, Oregon, for the construction of earthwork, tunnel and structures, Kingman Lateral and Sublaterals KL-9.3 to KL-10.0, inclusive, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, under Spec. 577.

The work, which is located near Adrian, Oregon, involves:

SCHEDULE NO. 1

Earthwork, Tunnel and Structures, Kingman Lateral, Station 0 to Station 285:

(1) 71,000 c.y. excav. for lateral, Class 1;
(2) 107,000 c.y. do, Class 2;
(3) 19,400 c.y. do, Class 3;
(4) 10,000 c.y. excav. for core banks;
(5) 4,000 sta. cu. yds. overhaul;
(6) 800 c.y. excav. for struc., Class 1;
(7) 850 c.y. do, Class 2;
(8) 250 c.y. do, Class 3;
(9) 2,500 c.y. excavation for drainage channels for culverts, Class 1;
(10) 1,000 c.y. do, Class 2;
(11) 1,000 c.y. do, Class 3;
(12) 3,500 c.y. backfill about struc.;
(13) 800 c.y. puddling or tamping backfill about structures;
(14) 400 c.y. excavation of tunnel, all classes;
(15) 2 MFBM furnish and erect permanent timbering in tunnel;
(16) 220 c.y. concrete in structures;
(17) 160 c.y. concrete in tunnel lining;
(18) 19,000 lbs. placing reinf. bars;
(19) 140 l.f. laying 15-inch dia. lock-joint concrete pipe;
(20) 300 l.f. laying 18-inch do;
(21) 170 l.f. laying 24-inch do;
(22) 50 l.f. laying 30-inch do;
(23) 1 400 l.ft. laying 48-in. do;
(24) 400 sq. yds. dry-rock paving;
(25) 3,000 lbs. installing gates and gate hoists;
(26) 2,000 lbs. installing misc. metal work;

SCHEDULE NO. 2

Earthwork and Structures, Kingman Lateral Station 285 plus 00 to Station 540 plus 19, and Sub-laterals KL-9.3 to KL-10.0, inclusive:

(27) 56,000 c.y. excavation for lateral, Class 1;
(28) 10,500 c.y. do, Class 2;
(29) 500 c.y. do, Class 3;
(30) 1,500 sta. yds. overhaul;
(31) 4,600 c.y. excav. for structures, Class 1;
(32) 2,400 c.y. do, Class 2;
(33) 50 c.y. do, Class 3;
(34) 2,000 c.y. excavation for drainage channels for culverts, Class 1;
(35) 900 c.y. do, Class 2;
(36) 150 c.y. do, Class 3;
(37) 15,200 c.y. backfill about struc.;
(38) 3,300 c.y. puddling or tamping of backfill about structures;
(39) 770 c.y. concrete in structures;
(40) 60,500 lbs. placing reinf. bars;
(41) 460 l.f. laying 15-in. dia. lock-joint concrete pipe;
(42) 1,350 l.f. laying 18-in. do;
(43) 2,200 l.f. laying 24-in. do;
(44) 5,200 l.ft. laying 30-in. do;
(45) 540 sq. yds. dry-rock paving;
(46) 5,000 lbs. installing gates and gate hoists;
(47) 1,600 lbs. installing misc. metal work.

Plans obtainable from the Bureau of Reclamation, Ontario, Oregon; Denver, Colo.; or Washington, D. C., without charge to prospective bidders; to others, $2.50 not returnable.

24— STREET LIGHTING SYSTEMS

CONTRACT AWARDED

SAN FRANCISCO—Severin Electric Co., 172 Clara Street, at $30,876 awarded contract by Public Utilities Commission, 287 City Hall, for the installation of an ornamental street lighting system on Potrero Avenue; Light & Power Contract No. 4.

Complete bids follow:

Severin Electric Co.	$30,876
Victor Lemoge	31,040
Enterprise Electric Works	31,105
Central Electric Co.	31,198
H. C. Reid & Co.	31,296
West Coast Electric Works	31,900
Globe Electric Works	31,968
Radelfinger Electric Works	32,207
Weidenthal - Gosliner	34,040
H. S. Tittle	34,230

All bidders of San Francisco.

CONTRACT RE-AWARDED

SAN FRANCISCO.—Globe Elec. Works 1899 Mission St., at $14,598 awarded contract by the Public Utilities Commission for the installation of lighting conduits on Tenth, Bryant, Harrison and Fell Sts. (L. & P. Contract No. 1).

The contract was previously awarded to the Fay Improvement Co. at $12-489, but was rescinded as the company withdrew its bid.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

COALINGA, Cal.—Budd & Quinn, 1518 H. St., Fresno, at $3648.25 awarded contract by the Coalinga City Council for furnishing one one-man road maintainer, caterpillar type, equipped with scarifier block power control, and pneumatic tires. Complete bids follow:

Budd & Quinn, Fresno	$3648.25
Edward R. Bacon Co., S. F.	4407.50
Edward R. Bacon Co. (Alt.)	4247.50
J. D. Adams Co., S. F.	3821.50
J. D. Adams Co. (Alt.)	4537.50
Jenison Mach. Co., S. F.	3196.00
Jenison Mach. Co., (Alt.)	3668.00
Austin West. Rd Mach., S. F.	4141.75
Austin Western (Alt.)	3525.75
North & Cole, Corcoran	3,196.00

CONTRACT AWARDED

BAKERSFIELD, Kern Co., Cal.—Cousins Tractor Co., 1414 Chester Avenue, Bakersfield, at $3,788.68 awarded contract by the Bakersfield City Council for furnishing one caterpillar tractor.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the State Bureau of Purchases, 323 State Capitol, Sacramento, under Req. 16851, for furnishing two portable gas engine driven air compressors, or an alternate of two 2-stage compressors:

Spazier Rice, Los Angeles, $1,565 ea.
Rix Co., San Francisco, $4,215 ea.
Gardner-Denver Co., San Francisco (Alt.) $4,300 each. Electric starter, $225 each.
Chicago Pneumatic Tool Co., S. F., $4,525 each.
Ingersoll Rand Co., S. F., (Alt.) $4-525 each.
Edward R. Bacon, San Francisco, $4,525 each.

Bids held under advisement.

Delivery one each, fob Redding and fob Richmond.

BIDS OPENED

BOULDER CANYON, Nevada—Following bids received by the Bureau of Reclamation, Denver, Colo., under Spec. 571, June 18, for furnishing and delivering cranes and hoists for installation in the Boulder Dam power plant and appurtenant works:

(1) 1 10-ton traveling crane with a span of 30 ft.
(2) 2 15-ton t raveling cranes with a span of 14-ft. 4-in.;
(3) 2 4-ton traveling cranes with spans of 21-ft. 4-in.;
(4) 2 30-ton traveling cranes with 10-ton auxiliary hooks; one with a span of 31-ft. and one with a span of 33-ft.;
(5) 2 20-ton traveling cranes with spans of 33-ft. 3-in.;
(6) 2 4-ton traveling cranes with spans of 41-ft. 9-in.;
(7) 2 4-ton traveling jib cranes, each with an effective radius of 35-ft.
(8) 1 5-ton stationary hoist;
(9) 2 3-ton mono-rail hoists;
(10) 1 3-ton stationary hoist.

Shaw-Box, Muskegon, Mich., (1) $2850 (2) $6532; (3) $2758; (4) $14,054; (5) $9036; (6) $2602; (7) $3318; (8) 4593; (9) $1692; (10) $2123; Combanation bids (1-5) $34,880; (6-10) $11,215; (1-10) $46,090.

Northern Engineering Works, Detroit, Mich., (1) $4255; (2) $12,710; (3) $3460; (4) no bid; (5) $14,500; (6) no bid; (7) no bid; (8) no bid; (9) no bid (10) no bid Combination bids (1 and 2) $16,200; (1,2,3), $19,-600; (1 and 5) $18,000; (1,3, 5) $21,400; (1 and 3) $7400.

American Hoist & Derrick Co., St. Paul, Minn., (1) to (7) no bids; (8) $3008; (9) no bid; (10) $2723.

Cleveland Crane & Engr. Co., Wickliff, Ohio, (1) $3944; (2) $10,880; (3) $4240; (4) $20,480; (5) $12,510; (6) no bid; (7) $4374; (8) $2222; (9) no bid (10) $2657; Combination bids (1, 2, 3, 4, 5, 7, 8, 10), $58,882.

Morris Bros., Inc., Philadelphia, (1) $2760; (2) no bid; (3) $2490; (4) no bid; (5) no bid; (6) $2658; (7) $3040; (8) no bid; (9) $1824 (10) no bid.

Chisholm More Hoist Corp., Tonawanda, N. Y., (1) and (2) no bids; (3) $2604; (4) and (5) no bids; (6) $2775; (7) and (8) no bids; (9) $2324; (10) no bid.

Euclid Armington Co., Euclid, Ohio, (1) $3542; (2) $20,910; (3) $3456; (4) $19,980; (5) $12,392; (6) $2762; (7) $3568; (8) $2456; (9) $1800; (10) $2696; Combination bid: (1 to 10, inc.) $62,291.

Morgan Engrg. Co., Alliance, Ohio, (1) $5370; (2) $12,360; (3) no bid; (4) $24,400; (5) $13,220; (6) and (7) no bids; (8) $2975; (9) no bid; (10) $2735; Combination bid, (1, 2, 4, 5, 8 and 10) $59,975.

Victor R. Browning & Co., Corp., Cleveland, (1) $3895; (2) $9532; (3) $4920; (4) and (5) no bids; (6) $4100; (7) to (10) no bids.

Whiting Corp., Harvey, Ill., (1) $4150; (2) $10,380; (3) $4850; (4) $24,355; (5) $15,425; (6) and (7) no bids; (8) $2945; (9) and (10) no bids.

Shepard Niles Crane & Hoist Co., Montour Falls, N. Y., (1) $4832; (2) $11,500; (3) $6332; (4) $22,750; (5) $13,900; (6) $7494; (7) $9556; (8) $3185; (9) $4752; (10) no bid.

Cyclops Iron Works, San Francisco, (1) $4110; (2) $11,794; (3) $4726; (4) $22,200; (5) $14,652; (6) to (10) no bids.

Harnischfeger Sales Corp., Milwaukee, Wis., (1) $4185; (2) $9100; (3) $3980; (4) $20,280; (5) $12,700; (6) $3990 (7) $5990; (8) $2075; (9) $2930 (10) no bid; Combination bids, (1, 2, 4) $33,000; (2, 4, 5) $41,500; (1, 2, 4, 5) $45,500; (1, 2, 4, 5, 6 $47500 (1 to 9, inc.) $63,600.

Conco Crane & Engr. Works, Mendota, Ill., (1) $4105; (2) $9620; (3) $4100; (4) no bid; (5) $11,290; (6) $4100 (7) $5550; (8) to (10) no bids

Robbing-Meyers Sales, Inc., Springfield, Ohio, (1) and (2) not bids; (3) $4010; (4) and (5) no bids; (6) $4700; (7) and (8) no bids; (9) $3070; (10) no bid.

Silent Hoist Winch & Crane Co., Brooklyn, (1) to (7) no bids; (8) $2191; (9) no bid; (10) $2811.

Mill Engrg. & Supply Co., Seattle, (1) to (5) no bids; (6) $4890; (7) and (8) no bids; (9) $3050; (10) no bid.

American Engrg. Co., Philadelphia, (1) to (7) no bids; (8) $3100; (9) $2880; (10) $3500.

J. S. Mundy Hoisting Engine Co., Waverly, N. J., (1) to (7) no bids; (8) $1684; (9) no bid; (10) $2000.

BIDS OPENED

SACRAMENTO, Cal.—Identical bids at $190 each were submitted to the State Bureau of Purchases, 323 State Capitol, Sacramento, under Req. 16850 for furnishing four heavy weight jackhammer drills for 7/8-in. steel by the following (all bidders of San Francisco):

Rix Company, Worthington Co., Gardner-Denver Co., Cleveland Rock Drill, Chicago Pneumatic Tool Co., Ingersoll Rand Co., and Sullivan Machinery Company.

Delivery fob Redding. All bids held under advisement.

BIDS OPENED

NORTH HOLLYWOOD, Cal.—Following bids received by the State Bureau of Purchases, 323 State Capitol, Sacramento, for furnishing one 35-hp. tractor for North Hollywood; Req. 6753:

Crook Co., Los Angeles, $2,652; discount, $396, 30 days.

Shepherd Tractor & Equip Co., L. A., $2,695; 2% 30 days.

J. D. Adams Co., Los Angeles, $2,821.50; 12% 30 days.

Smith, Booth, Usher, Los Angeles, $2,825.50 (standard width tracks); alt. $2,662.50; 7% 30 days.

Bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal.—Identical bids at $190, no discount, were submitted to the State Bureau of Purchases, 323 State Capitol, Sacramento, under Req. No. 7713, for furnishing two heavy weight jackhammer drills for 7/8-in. steel, by the following San Francisco companies:

Cleveland Rock Drill Co., Rix Co., Chicago Pneumatic Tool Co., Gardner-Denver Co., Worthington Co., Ingersoll Rand Co., and Sullivan Machinery Company.

Delivery fob Sacramento. All bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the State Bureau of Purchases, 323 State Capitol, Sacramento, for furnishing one gasoline engine driven air compressor, mounted on skids. Alternate bids taken on a 2-stage compressor; Req. 7712.

Rix Co., San Francisco, $1,499.

Harry C. Collins Machinery Co., Los Angeles, $1,700; 2% 20 days.

Edward R. Bacon Co., San Francisco, $1,775.

Sullivan Machinery Co., San Francisco, $1,775.

Ingersoll Rand Co., San Francisco, (Alt.) $1,775.

Delivery fob Sacramento. All bids held under advisement.

26— RAILROADS

BIDS OPENED

SAN FRANCISCO. — Following bids received by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1220, for furnishing:

(1) one solid manganese steel, single over double track railway crossing for inbound Geary St. track crossing Market St. Ry Co.'s tracks on Market Street.

(2) one solid manganese steel, single electric over single cable track crossing for Geary St. at Jones St., Pieces No. 7 and 8.

(3) one solid manganese steel, single over double track railway crossing for outbound track on Market Street across Market St. Ry.'s tracks at 6th Street. The bids were:

Pacific Coast Steel Corp., (1) $3,992; (2) $1,302; (3) $2,038.

Columbia Steel Co., (1) $2,908; (2) $1,260; (3) $2,110.

Budo Co., (1) $4,118; (2) $1,435; (3) $2,108.

Bids held under advisement.

CONTRACT AWARDED

BRODERICK, Yolo Co., Cal.—J. R. Reeves, R. F. D. 3, Box 100, Sacramento, at $10,367 awarded contract by the U. S. Engineer Office, Sacramento, for raising and resetting 2 vegetable packing buildings, removing and replacing about 1160 ft. railroad siding, raising power line poles and performing incidental work in the Government spoil disposal area near Broderick Station, Yolo County.

CONTRACT AWARDED

GRAND COULEE, Wash.—David H. Ryan, Grand Coulee Dam, has been notified informally by the office of Secretary Ickes that he will be awarded contract for the construction of the U. S. Construction Railroad at the Grand Coulee Dam this week.

28—FIRE EQUIPMENT

ELECTION PLANNED

STANISLAUS COUNTY, Cal.—The Stanislaus County Board of Supervisors plans to call an election in November for the formation of a fire protection district in western Stanislaus county. If the district is formed, modern fire engines and fire fighting equipment will be purchased to give protection to more than 1,000,000 acres of grain land.

PLANNED

MADERA, Madera Co., Calif.—The Madera City Council has authorized the sale of $9,000 of bonds and will call for bids shortly for a new standard fire truck. Mayor Gordon has ordered plans and specifications prepared.

TO ASK NEW BIDS

HEALDSBURG, Sonoma Co., Cal.—The Healdsburg City Council has rejected all bids received June 4 for furnishing a new fire truck and equipment for the city and will re-advertise new bids shortly.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Oakland City Council for furnishing one City Service fire-truck for the City Fire Department:

Seagrave Corp., San Francisco, $11,972.

Mack International, San Francisco, $12,529.82; (Alt.) $11,529.82.

American La France, Oakland, $11,912.50.

Bids held under advisement.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

ALBUERQUE, N. M.—Wyatt Metal & Boiler Works, Dallas, Texas, at $44,766 awarded contract by the Middle Rio Grande Conservancy District for furnishing and installing steel lining for the El Vado dam spillway.

BIDS OPENED

SACRAMENTO, Cal.—Until July 12, 3:30 P. M., to be opened at 4 P. M., as previously reported, bids will be received by the Board of Trustees of the American River Flood Control District, Room 410 State Bldg., Sacramento, for the construction of Chicken Ranch Slough diversion ditch and dam. The work involves:

(1) 88 cu. yds. concrete in two reinf. concrete struc.;
(2) 28,000 cu. yds. common excavation
(3) 14,000 cu. yds. rolled dam fill;
(4) 10,000 lin. ft. fencing (3 wire).

Plans and specifications obtainable from J. E. Spink, Assistant Engineer, Forum Bldg., Sacramento, upon deposit of $5, and at the office of the District, Room 410, State Bldg.

C. H. Merry, Secretary.

BIDS WANTED

FORT PECK, Mont.—Until July 9, 12 noon, as previously reported, bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg. Kansas City, Mo., for the construction of a sheet metal pile cut-off wall for the Fort Peck Dam.

The work involves:

(1) 6,100 c.y. rock excavation;
(2) 88,100 c.y. dry cement excavation
(3) 16,500 c.y. wet cement excavation
(4) 3,400 c.y. concrete;
(5) 1,000 lbs. reinf. steel;
(6) 1,042,100 s.f. steel sheet piling in place;
(7) 460 support for cutoff wall, complete in place;
(8) 560 ft. drilling holes for grouting;
(9) 200 c.y. grouting with neat cem.;
(10) 500 c.y. grouting with cement and one part sand;
(11) remove and replace trestles A-B-C.

The following have procured plans:

Addison-Miller, Inc., 1111 Builders' Exchange, St. Paul, Minn.

A. Guthrie & Co., Builders' Exchange, St. Paul, Minn.

Stevens Bros., 610 Endicott Bldg., St. Paul, Minn.

Morris and Dougherty, 1514 Globe Bldg., St. Paul, Minn.

A. C. Everham, 114 W. Tenth St., Kansas City, Mo.
Kansas City Bridge Co., 215 Pershing Road, Kansas City, Mo.
Morrison - Glasscock - Conner Co., 1822 Main St., Kansas City, Mo.
W. A. Ross Const. Co., 908 W. 25th St., Kansas City, Mo.
The Massman Const. Co., 737 New York Life Bldg., Kansas City.
American Bridge Co., 208 S. La Salle St., Chicago.
Bilhorn, Bower & Peters, Inc., 1811 Railway Exchange Bldg., St. Louis.
Ben C. Gerwick, 112 Market Street, San Francisco.
C. F. Lytle, 504 Nebraska St., Sioux City, Iowa.
Condon Cunningham Cole Co., 705 Locust St., Carter Lake, Iowa, care Omaha P. O.
Dravo Contr. Co., Dravo Building, Pittsburgh, Pa.
Frazier - Bruce Engr. Co., Inc., 10 E. 40th, New York City.
Grant Contr. Co., Greenville, Ohio.
G. L. Tarlton, Ambassador Hotel Bldg., St. Louis.
John A. Roeblings Sons Co., 205 W. Wacker Drive, Chicago.
Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Minn.
Morrison-Kundsen Co., Old National Bank Bldg., Spokane, Wash.
McClintic-Marshall Corp., Telephone Bldg., St. Louis.
Missouri Valley Bridge & Iron Co., Leavenworth, Kansas.
MacDonald & Kahn Co., Inc., Financial Center Bldg., San Francisco.
Silas Mason Const. Co., 500 Fifth Ave., New York City.
S. J. Groves & Sons Co., 510 Wesley Temple Bldg., Minneapolis, Minn.
Six Companies, Inc., Boulder City, Nevada.
The Newhall - Herkner Const. Co., 5450 Hamilton Ave., Cleveland, Ohio.
The Lawler Corp., Butte, Mont.
Wisconsin Bridge & Iron Co., 5023 N. 35th Ave., Milwaukee.
Woods Bros. Const. Co., 132 S. 13th St., Lincoln, Neb.
Walsh Const. Co., 114 W. 3rd St., Davenport, Iowa.
W. A. Bechtel Co., 155 Sansome St., San Francisco.
Plans and specifications obtainable from the above on deposit of $25.00. Capt. Theodore Wyman, Jr., Assistant to the Division Engineer.

31—PIPE LINES & WELLS

CONTRACT AWARDED

FRESNO, Cal.—Peerless Bean Sales & Service Co., 1864 H St., Fresno, at $1346.10 less $81.80 allowance for old 35-h.p pump, awarded contract by the Fresno City Council for furnishing one deep well centrifugal pumping unit installed complete in Roeding Park. Complete bids follow:
Peerless Bean Sales & Service, Fresno, $1346.10; allowance, $81.80.
Layne Pump Co., Fresno, $1352; allowance, $50.
Fairbanks Morse & Co., San Francisco $1331.42; allowance, $39.48.
Kimball-Krogh Pump Co., Los Angeles, $1350; allowance $15 per ton; $1 per h. p.
Winthroath Pumps Ltd., Alhambra: $1439.32; allowance $1 per h. p.; $15 per ton.

SUB-CONTRACTS AWARDED

SAN FRANCISCO.—Following subcontracts awarded by the Western Pipe & Steel Co., 444 Market Street, in connection with the construction of the San Francisco Bay Crossing Pipe Line No. 2:
Excavations and Concrete to Youdall Const. Co., Matson Bldg.;
Concrete Rap on Pipe to S. J. Porter, M. Arnold, W. A. Kramer.
Hauling to R. M. Conyes.

CONTRACT AWARDED

SNOHOMISH, Wash.—The following contracts were awarded by the Snohomish City Council for rebuilding the gravity water line:
Contract No. 1, construction of line from city reservoir to Avenue D and Fifth Street: R. Mastro, 2116 Judkins St., Seattle, at $9468.
Contract No. 2, furnishing wood pipe for main gravity line: Federal Pipe & Tank Co., 5332 24th St. N.W., Seattle, at $93,644.
Contract No. 3, construction of main line over hill route and railroad route, respectively: Acme Constr. Co., 428 McGilvra Blvd., Seattle, at $48,741.

BIDS WANTED

SAN FRANCISCO — Until July 18, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Deputy Director, Room 251, City Hall, San Francisco, for installing Line 2, Section "A" Potrero Dist. Extension to the Auxiliary Water Supply System for Fire Protection (in Potrero Avenue from 25th Street to Alameda Street). Bids will be received as follows:
(1) 120 lin. ft. 16-in. Class "G" Bell and Spigot, cast iron, lugged pipe and special castings are to be handled, loaded, hauled and delivered to site of work, laid in the ground, and the joints made and tested;
(2) 12 lin. ft. 12-in. Class H, Double Spigot, do;
(3) 300 lin. ft. 12-in. Class H, Bell and Spigot, do;
(4) 972 lin. ft. 12-in. Class H, Bell and Spigot, do;
(5) 444 lin. ft. 12-in. Class G, Bell and Spigot, do;
(6) 4836 lin. ft. 12-in. Class G, Bell and Spigot, do;
(7) 72 lin. ft. 8-in. Class H, Bell and Spigot, do;
(8) 528 lin. ft. 8-in. Class G, Bell and Spigot, do;
(9) 1 16-in. horizontal gate valve and gearing is to be handled, loaded, hauled and delivered to shop, disassembled, cleaned, painted, reassembled, tested and hauled and delivered to locations within the City of County of San Francisco to be designated by City Engineer;
(10) 1 14-in. vertical, do;
(11) 18 10-in. vertical, do;
(12) 16 8-in. vertical, do;
(13) 1 16-in. horizontal gate valve, is to be handled, loaded, hauled to site of work; set and the joints made and tested;
(14) 1 14-in. vertical gate valve, do;
(15) 18 10-in. gate valves, do;
(16) 16 8-infl hydrant gate valves, do;
(17) 16 Standard high pressure hydrants, do, and hydrants painted;
(18) 13.08 tons pig lead to be furnished and delivered to site of work;
(19) 4280 lbs. cast steel special castings, do;
(20) 17,918 lbs. cast iron special castings, do;
(21) 11,346 lbs. cast iron manhole and valve cover castings, furnished, delivered and set;
(22) 10,000 lbs. wrought iron or Norway iron, bolts, nuts and washers furnished, delivered and painted;
(23) 1037 lbs. reinforcing steel, etc.;
(24) 22.53 cy. yds. Class B concrete constructed in place;
(25) 3499 cu. yds. material to be excavated, backfilled and the surplus materials to be disposed of;
(26) 16,890 sq. ft. asphalt concrete pavement, consisting of 8-in. Class E concrete base, a 1½-in. binder course and 1½-in. asph. concrete wearing surface;
(27) 256 sq. ft. concrete sidewalk (one-course) to be constructed;
(28) 3 cu. yds. crushed rock for foundations, furnished, delivered and placed.

Plans and specifications obtainable from J. J. Casey, City Engineer, Rm. 351, City Hall, San Francisco, on deposit of $10. Estimated cost, $35,000.

BIDS WANTED

SAN FRANCISCO. — Until July 6, 2:30 P. M., bids will be received by the Public Utilities Commission, Rm. 287 City Hall, for the laying of the University Mound Pipe Line Extension on Potrero Ave. from 25th St. to Brannan St., under Spec. W. D. 62.
The work involves:
(1) removal and delivery of steel pipe from the Newark - San Lorenzo Pipe Line to San Francisco:
(a) 2,200 lin. ft. 44-in. pipe;
(b) 4,200 lin. ft. 36-in. pipe.
(2) excavation, backfill, excess removal, etc., for trench:
(a) 2,200 lin. ft. of trench for 44-in. pipe;
(b) 4,200 lin. ft. do for 36-in. pipe.
(3) additional excavation, backfill, excess removal, etc., 400 cu. yds.
(4) additional pavement removal & replacement, 1,000 sq. ft.
(5) installation of pipe, making of field joints, cleaning up, etc.:
(a) 2,200 lin. ft. 44-in. pipe;
(b) 4,200 lin. ft. 36-in. pipe.
(6) installation of fittings, gate valves, air valves, etc., 20,400 lbs.
(7) additional field joiints, including preparation, handling, making and lining and coating of joints, 150 lin. ft.
(8) insulating joints, includig material, preparation of pipe, making & installation of joint, wrapping and lining of joints, 7 joints.
Specifications obtainable at Room 605, San Francisco Water Dept. Bldg., 425 Mason St., upon deposit of $10.
Felton Taylor, secretary of the commission.

BIDS OPENED

SOBOBA INDIAN RESERVATION —Identical bids at $1754.25 were submitted to the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, June 15, for furnishing and installing a turbine pump and motor at the Soboba Indian Reservation, Calif., by the following:
Sterling Pump Co.; Johnson Pump Co.; Wintroath Pump Co.; Ponoma Pump Co.; Peerless Pump Co.; Byron Jackson Co.; Layne & Bowler; Kimball-Krogh Pump Co., and Fairbanks-Morse Co.
Bids held under advisement.

CONTEMPLATED

MANTECA, San Joaquin Co., Cal.—The South San Joaquin and Oakdale Irrigation Districts have instructed engineers to prepare plans for the enlargement of the long tunnel supplying both districts with water. The work will include cleaning out the tunnel and replacing present wooden posts with steel arches, then concreting between the arches.
The Oakdale District receives only about 19% of the water and will bear approximately $6,000 of the total estimated cost of $30,000.

FRANCHISE GRANTED

SACRAMENTO COUNTY, Cal.—The Sacramento County Board of Supervisors has granted a franchise to A. E. Kirchgarter, for the privilege of constructing, operating, maintaining and repairing a system of conduits and pipe lines and appurtenances in the Gould Track, Sacramento County.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN BERNARDINO CO., Cal.—Until July 19, 2 P. M., bids will be received by the State Highway Engineer State Bldg., Los Angeles, for con-

structing 1,513 lin. ft. reinforced concrete box storm drain in Redlands, San Bernardino County, between 4th and State Sts. The work involves:
(1) 10,350 c. y. struc. excav.;
(2) 1,687 c. y. Class A Port. cem. conc. struc.;
(3) 278,900 lbs. bar reinf. steel struc.;
(4) 500 c. y. concrete to be removed from existing pave. and struc.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Building, Sacramento, and on file at the offices of the District Engineers at Los Angeles and San Francisco, and the district in which the work is situated.

CARLIN, Nevada—Water and sewer system, see item under **Waterworks**

CONTRACT AWARDED

LOS ANGELES, Cal. — Chicago Bridge & Iron Works, 1700 Walnut St. Philadelphia, at $10,420 awarded contract by the Veterans' Administration, Washington, D. C., for the construction of a steel water tank at the Veterans' Administration Facility, Los Angeles.

GRAND COULEE, Wash. & Water and sewer system, see item under **Waterworks** (33).

BIDS WANTED

SAN FRANCISCO. — Until July 18, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Deputy Director, Room 251, City Hall, San Francisco, for construction of sewers and appurtenances in Brannan Street from Ninth St. to Center Place, and in 8th Street from Bryant Street to Brannan St. Bids will be received as follows:
(1) 661 l.ft. 3 ft. x 4 ft. 6 in. reinf. conc. sewer;
(2) 896 l.ft. 4x6 ft. do;
(3) 23,681 l.f. 5 ft. circular do;
(4) 26 l.f. 5 ft. 6 in. do;
(5) 668 l.f. 6 ft. 6 in. do;
(6) 601 l.f. 15-in. VCP incased in concrete;
(7) 342 l.f. 12-in. VCP sewer;
(8) 1 junction struc., reinf. conc.;
(9) 1 taper structure, reinf. concrete No. 1;
(10) 1 do, No. 2;
(11) 1 do, No. 3;
(12) 1 do, No. 4;
(13) 1 do, No. 5;
(14) 1 do, No. 6;
(15) 1 do, No. 7;
(16) 1 do, No. 8;
(17) 14 manholes on reinf. conc. sewer
(18) 3 do, VCP sewer on piles;
(19) 2 do, VCP sewer;
(20) 44 15x18-in. Y or T branches;
(21) 26 12x8-in. do;
(22) 500 l.f. 6-in VCP underdrain, covered with concrete or embedded in broken rock as directed;
(23) 1000 l.f. 8-in. VCP do;
(24) 1450 l.f. 10-in. VCP do;
(25) 1740 l.f. 12-in. VCP do;
(26) 30 c.y. Class B concrete for raising invert bottom and weir in existing overflow struc. at Sixth and Brannan Sts.;
(27) 1050 c.y. Class B concrete for tunnel relining;
(28) 848 l.f. vit. brick invert lining for tunnel;
(29) 66,000 l.f. piling below cut-off;
(30) 100 l.f. 6-in. VCP side sewer;
(31) alterations to auxiliary water supply system pipe.

Plans and specifications obtainable from J. J. Casey, City Engineer, Room 351, City Hall, on a deposit of $10.00. Estimated cost, $257,000.

BIDS OPENED

SAN FRANCISCO—R. B. McNair, 3745 Rhoda Ave., Oakland, at $15,680 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the construction of a new invert in the Lake St. sewer from 24th Avenue and Lake Street to a point beyond 27th Ave. and Seacliff Ave. Total bids follow:
(A) R. B. McNair, Oakland, $15,680.
(B) Eaton & Smith, San Francisco, $25,800.
(C) C. L. Harney, San Francisco, $29,000.

Unit bids follow:
(1) 1900 lin. ft. vitrified brick invert lining in place (A) $7.20; (B) $12; (C) $10.
(2) 50 cu. ydts. concrete, in place (A) $40; (B) $60; (C) $200.

All bids held under advisement and referred to the City Engineer and PWA Engineer.

33— WATERWORKS

June 28, 1934

TO ASK BIDS

FALLON, Nevada.—The Fallon City Council will ask bids shortly on the contract for improvement of a portion of the water supply and distribution mains of the municipal water system, and the construction of an entirely new 1,000,000 gallon reservoir in solid and loose rock of a semi-subsurface type to be connected to the supply mains of the water system. This work together with a deep well and pumping equipment is financed by a bond issue of $100,000 and a PWA grant.

The city officers are: J. N. Tedford, mayor; A. E. Watson, city clerk, and L. W. Crehore, engineer, Fallon.

Bids will be taken as follows:

SUPPLY MAINS

I Cast Iron Pipe, furnished only, fob Fallon;
(1) 9,900 l.f. 10-in. cast iron pipe;
(2) bidder's estimate of jute (lbs.);
(3) bidder's estimate of lead (lbs.);
(4) 200 lbs. lead wool;
(5) bidder's estimate, fittings or specials for cast iron supply mains;
(6) valves for mains (a) one 6-inch gate blow-off; (b) one 1-in. air relief.

II Excavating, backfilling, hauling, laying, disconnecting, re-connecting, and installing cast iron pipe with field-calked joint, including all fittings, specials, valves, hydrants, complete:
(1) 9,900 ft. 10-in. pipe, estimated;
(2) 4 each disconnect and reconnect ¾-in. services, includ. ¾-in. galv. iron pipe for necessary extensions.

III Furnishing cast iron pipe, pre-calked joint, delivered fob Fallon:
(1) 9,900 ft. 10-in. pipe, estimated;
(2) furnishing lead and jute to calk joints on all new pipe, plus additional required for existing connection on old mains:
(a) 18 lbs. jute;
(b) 500 lbs. lead;
(c) 25 lbs. lead wool.

IV Installing cast iron pipe, pre-calked joints;
(1) 9,900 ft. 10-in. pipe, estimated;
(2) furnishing lead and jute to calk ¾-in. services and furnish necessary ¾-in. galvanized pipe.

V Wrapped Steel Pipe, furnishing and connecting, delivered and assembled in trench with joints made, including moving valve house, but not including any other trenching, excavating and backfilling:
(1) 9,900 l.f. 10-in. wrapped steel pipe;
(2) 3 lbs. jute;
(3) 80 lbs. lead;
(4) fittings or specials for steel supply mains;
(5) valves with valve boxes for steel supply mains, delivered and installed, complete:
(a) one 6-in. gate blow-off;
(b) two 10-in. gates;
(c) one 1-in. air relief.

VI Wrapped Steel Pipe, trenching, excavating, and backfilling as necessary for complete construction and reconstruction of steel supply mains, complete:
(1) 9,900 ft. 10-in. pipe;
(2) disconnect and reconnect ¾-inch services and furnishing pipe for 4 extensions.

DISTRIBUTION MAINS

I Cast Iron Pipe, furnishing only, delivered fob Fallon:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 3,820 ft. 10-in. pipe;
(5) lead and jute:
(a) bidder's estimate of jute (lbs.);
(b) bidder's estimate of lead (lbs.);
(c) 200 lbs. lead wool;
(6) fittings and specials for cast iron pipe distribution mains, fob Fallon (furnishing);
(7) valves for cast iron pipe distribution system (furnishing);
(a) 23 4-in. gate;
(b) 11 6-in. gates;
(c) one 10-in. gate.
(8) hydrants for cast iron distribution mains, 2-way, 6-in. bottom drip, frost - proof with auxiliary gate valves (furnishing):
(a) 8 each.

II Cast Iron Pipe, field-calked joints, excavating, backfilling, hauling, and installing, including all fittings, or specials, valves and hydrants, complete:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 2,820 ft. 10-in. pipe;
(5) disconnect and reconnect ¾-inch services (estimated 420) and furnish necessary ¾-in. galv. pipe;
(6) disconnect and reconnect wrought pipe extensions to mains.

III Cast Iron Pipe, pre-calked joint, furnishing fob Fallon:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 3,820 ft. 10-in. pipe;
(5) lead and jute, furnishing:
(a) 330 lbs. jute;
(b) 9,500 lbs. lead;
(c) 200 lbs. lead wool.

IV Excavation, hauling, backfilling, installing cast iron pipe with pre-calked joint, including all fittings or specials, valves, and hydrants, complete:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 2,820 ft. 10-in. pipe;
(5) disconnect and reconnect ¾-inch services (estimated 420) and furnish necessary ¾-in. galv. pipe;
(6) disconnect and reconnect wrought pipe extensions to mains.

AWARDS

BRITTAN ACRES, San Mateo Co., Calif.—The following contracts have been awarded by the Brittan Acres Subdivision, San Carlos, John W. Rutherdale, sales agent, for water mains and sewer line in Brittan Acres:

SEWER

Awarded to John White, Fruitvale:
(1) 4654 lin. ft. 6-in. sewer, $1,765.10.
(2) 836 lin. ft. 4-in. sewer, $234.08.
(3) 60 6x4-in. tees, $60.00.
(4) 19 manholes, $760.00.

WATER MAINS

Awarded to T. Binkley, 790 Amherst, Palo Alto:
(1) 5275 lin. ft. installing 6-in. main, $738.50.
(2) 955 lin. ft. do, 4-in. C. I. main, $114.60.
(3) 150 lin. ft. do 2-in. dia. cast iron services, $15.00.

The Brittan Acres subdivision will furnish the pipe for the water mains.

RESERVOIR

Furnishing all material and constructing in place with inlet, overflow pipe, valves, fittings, roof, etc., complete:

(1) 1,000,000 gals. reservoir, Type A;
(2) 1,000,000 gals. reservoir, Type B.

SUPPLY & DISTRIBUTING MAINS

I Cast Iron Pipe, field-calked joints, supply and distribution mains;
II Cast Iron Pipe, pre-calked joints, supply and distribution mains;
III Cast Iron Pipe field-calked joints, distribution mains and steel wrapped pipe suplpy mains;
IV Cast Iron Pipe, pre-calked joints, distribution mains, and steel wrapped pipe and supplemental mains.

SUPPLY & DISTRIBUTION MAINS AND RESERVOIR

Bids will be taken for a 1,000,000-gallon reservoir, Type A, and a combination of one of the above four alternates (supply & distribution mains) and for a 1,000,000 gallon reservoir, Type B, and a combination of one of the above four alternates, making 8 propositions in all.

33

LOAN DENIED

EUREKA, Humboldt Co., Calif.—Mayor Frank R. Sweasey has been advised that the PWA will not accept revenue bonds proposed as security for a loan toward construction of the Mad River water supply system. A new election may be necessary in order to authorize general obligation bonds for the project. Estimated cost, $1,134,000.

BIDS WANTED

SAN FRANCISCO.—Until July 6, 2 P. M. ,bids will be received by the Public Utilities Commission, Room 287 City Hall, for the construction of the Calaveras Aerator. Spec. W. D. 47.

Under the proposed contract, an aeration basin, valve house and screen chamber are to be constructed near the base of Calaver as dam, which is located about ten miles southeasterly from the town of Sunol, Alameda Co. The aeration basin will be a reinforced concrete structure about 68-ft. side by 106-ft. long. The valve house will be a wood frame structure about 12½ ft. wide by 54 ft. long, with a cement plaster finish and tile roof. The screen chamber and valve house foundation will be reinforced concrete, about 33 ft. wide by 54 ft. long.

The work involves:

(1) 3,000 c. y. e cav. for pipe trenches, earth;
(2) 1,000 c. y. do, rock;
(3) 750 c. y. other excavation, earth;
(4) 150 c. y. do, rock;
(5) 3,800 c. y. grading and fill;
(6) 750 c. y. Class A concrete;
(7) 440 c. y. Class B concrete;
(8) 50 c. y. Class C concrete;
(9) 40 bbls. extra cement;
(10) 2,500 lbs. furnish and install copper seals;
(11) 160,000 lbs. reinf. forcing steel in place;
(12) 1,100 lin. ft. furnish and lay 18-in. reinf. concrete pipe;
(13) 450 lin. ft. furnish and lay 44-in. dia. welded steel pipe of $\frac{1}{16}$-in. plate;
(14) 475 lin. ft. remove and relay a portion of existing 36-in. Newark-San Lorenzo pipe line;
(15) 7,600 lbs. furnish and install steel pipe specials not included in the other items;
(16) 34,000 lbs. furnishing and laying wrought iron pipe;
(17) 160 nozzles, furnishing and installing aerator nozzles;
(18) 23,000 lbs. furnish and install cast cast steel fittings;
(19) 28,000 lbs. do cast iron pipe and fittings;
(20) 4,500 do misc. steel work;
(21) 8 valves. do 16-in. gate valves;
(22) 1 valve, do, 12-in. gate valve;
(23) 1 valve, do, 20-in. plug type valve
(24) furnish and install 18-in. sluice gate;
(25) 8,600 lbs. installing valves and fittings furnished by city;
(26) removal of needle valve and installing in new location;
(27) 8 couplings of furnishing and installing flexible couplings for 20-in. wrought iron pipe;
(28) 400 l. f. furnish and install 6-in. diameter;
(29) constructing valve rouse above foundation;
(30) 60 screens, furnish and install;
(31) 2.0 MFBM redwood lumber, in place;
(32) 500 l. f. furnish an dinstall pipe handrails;
(33) 700 sq. yds. rubble masonry work
(34) 1500 c. y. cleaning out culvert through dam;
(35) 1,300 l. ft. removing pipe from culvert through dam;
(36) 400 c. y. placing top soil at aerator site;
(37) 580 l. ft. furnish and lay 2½-in. galv. wrought iron pipe;
(38) 500 sq. ft. applying metallic protective coating to exterior of wrought iron pipe;
(39) 500 sq. ft. applying spun enamel lining to interior of wrought iron pipe.

Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $20.00.

N. A. Eckart, chief engineer.

CONTRACT AWARDED

MERCED, Merced Co., Cal.—Pittsburgh-Des Moines Steel Co., Rialto Bldg., San Francisco, at approximately $21,000 awarded contract by the Crocker-Huffman Land & Water Co., Merced, for erecting a 300,000 gallon elevated steel storage tank at its pumping station at 12th and L Sts., Merced.

CONTRACTS AWARDED

CARLIN, Nevada—Following contracts awarded by the Carlin, Nevada, City Council for the construction of a water and sewer system:

(1) Drilling and testing two wells—Judd Underwood, Reno, Nevada, $6230.
(2) Constructing concrete reservoir, septic tank, and sewage pumping station—Mullins & Wheeler, Salt Lake City, $15,448.
(3) Constructing pump house—Mullins & Wheeler, Salt Lake City, $1916.55.
(4) Cast iron pipe and fittings—Pacific States Cast Iron Pipe Co., Provo, Utah, $18,554.76.
(5) Steel pipe and fittings—California Corrugated Culvert Co., West Berkeley, $4751.80.
(6) Sewer pipe and accessories—Utah Fire Clay Co., Salt Lake City, $5,851.80.
(7) Trenching, laying sewer & waste lines, and backfilling—Mullins & Wheeler, Salt Lake City, $22,185.30
(8) Fire hydrants and auxillary gates Rensselaer Valve Co., San Francisco, $2713.23.
(9) Valves, valve boxes, manhole frames, etc.—Waterworks Equipment Co., Salt Lake City, $1725.86.
(10) Valves, tapping machine, gauge A. P. Smith Mfg. Co., San Francisco, $252.06.

G. F. DeArmond, Elko, Consulting Engineer. L. T. Doxey, Clerk.

BIDS WANTED

GRAND COULEE DAM, Wash.—Until July 2, 10 A. M., as previously reported, bids will be received by the U. S. Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, Washington, for the construction of the water supply and sewer systems for the Government camp at Grand Coulee Dam, Columbia Basin Project, Washington. Specification No. 575. The work is located about 22 miles northwest of Almira, Wash., and involves:

(1) 100 cu. yds. excav. for structures, common;
(2) 11,450 cu. yds. excav. for structures, rock;
(3) 8020 lin. ft. excav. and backfilling water pipe trench not more than 5 feet deep;
(4) 3900 lin. ft. excav. and backfilling sewer trench not more than 5 feet deep;
(5) 5480 lin. ft. excav. and backfilling sewer trench more than 5 feet and not more than 8 feet deep;
(6) 1120 lin. ft. excav. and backfilling sewer trench more than 8 feet and not more than 12 feet deep;
(7) 250 lin. ft. excav. and backfilling sewer trench more than 12 feet deep;
(8) 1300 cu. yds. excav. rock, in trenches;
(9) 6360 lin. ft. laying 3-in. cast iron pipe, fittings, valves and specials in trenches;
(10) 2200 lin. ft. laying 4-in. cast iron pipe, fittings, valves and specials in trenches;
(11) 9650 lin. ft. laying 6-in. cast iron pipe, fittings, valves and specials in trenches;
(12) 2200 lin. ft. laying 8-in. cast iron pipe, fittings, valves and specials in trenches;
(13) 20 fire hydrants, installing 6-in. fire hydrants and connecting to water mains;
(14) 200 corporation cocks, installing ¾-in. and 1-in. corporation cocks;
(15) 18,000 lin. ft. installing ¾-in. and 1-in. copper service pipe, fittings and specials;
(16) 100 installations, installing curb stops and service boxes;
(17) 2500 lin. ft. laying 4-in. sewer pipe, fittings and specials;
(18) 4500 lin. ft. laying 6-in. sewer pipe, fittings and specials;
(19) 2000 lin. ft. laying 8-in. sewer pipe, fittings and specials;
(20) 1750 lin. ft. laying 10-in. sewer pipe, fittings and specials;
(21) 55 manholes, constructing sewer manholes not more than 5 feet deep;
(22) 190 lin. ft. constructing sewer manholes each additional foot of manhole over 5-ft. depth;
(23) 9 drop connections, constructing sewer manhole drop connections
(24) 6 anchors, constructing pipe anchors;
(25) 130 lin. ft. 8-in. diameter slip joint pipe in reservoir and valve chamber outlet drain;
(26) 310 cu. yds. concrete in utility & domestic water reservoirs, valve chamber, chlorination house and reservoir drainage sump;
(27) 14,000 lbs. placing reinf. bars and fabric;
(28) Lump sum, constructing utility and domestic water reservior, valve chamber, and chlorination house; complete except excavation and concrete.

Plans and specifications obtainable from above office and at Almira; no charge to prospective bidders, to others, $1 not returnable.

Following have procured plans:

Washington Brick Lime & Sewer Pipe Co., S. 151 Washington Street, Spokane.

Gabbey & McNeil, Box 216, Boise, Idaho.

James E. Riley, Tekoa, Washington.

S. H. Newell & Co., Brewster, Wash.

H. J. Adler, 2310 S. Alaska Street, Tacoma.

David H. Ryan, Coulee Dam.

Schmitt Constr. Co., 3931 N. E. 36th St., Portland.

A. P. Smith Mfg. Co., East Orange, New Jersey.
Star Constr. Co., Almira.
Hugh G. Purcell, Colman Building, Seattle.
Western Constr. Co., Textile Tower, Seattle.
L. Romano Engrg. Corp., 1300 Dearborn St., Seattle.
The following firms are all of Seattle, Washington:
Joe Colluccio, 1425 Hanford St.
L. Colluccio, 1638 Lane St.
Thomas Scalzo, 1829 Lane St.
West Coast Constr. Co., Lloyd Bldg.
Queen City Constr. Co., 603 18th St.
Felix Arcorace, 8423 48th St.
Pacific Water Works Supply Co., Atlantic St. Dock.
Clark & Earley, 505 White Bldg.
W. G. Humphreys, 506 Securities Bldg.
N. Riorito, 844 W. 48th St.
McCollister & Campbell, Inc., Rainier Bldg.
Walworth, 419 First St.

34—PARKS AND PLAYGROUNDS

LOW BIDDER

WEST LOS ANGELES, Cal.—Peterson Bros., 239 W. Olive St., Inglewood, submitted low bid to the Veterans' Administration, 764 Arlington Bdg., Washington, D. C., June 26, for constructing complete cemetery lawn sprinkling system at the Veterans' Administration Facility, Sawtelle. The bid was: Item (1) $23,694; Alt. A, $5389; Alt. B, $9883; Item (2) $20,175; Alt. A, $4420; Alt. B., $7518.

LOW BIDDERS

WEST LOS ANGELES, Cal.—Low bids for landscaping for the cemetery at the Veterans' Administration Facility, Sawtelle, submitted the Veterans' Administration, Washinfton, D. C., June 26, are:

Beverly Hills Nurseries, certain items, $650.

Paul J. Howard Horticultural Establishment, Los Angeles, balance of items, $2229.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

RIVERSIDE, Riverside Co. Calif.—B. G. Carroll, 4396 Maryland St., San Diego, at $25,070.92 awarded contract by the Riverside City Council June 19 for the construction of the S-turn from 7th to 8th St. via. Pepper St., and the resurfacing of Magnolia Ave. between Jurupa Ave. and 14th St. Total bids follow:

B. G. Carroll, San Diego	$25,070.92
W. J. Brand, Riverside	25,844.30
Wm. C. Horn Co. & John C. Strona, Pomona	27,515.80
Griffith Co., L. A.	28,533.25
E. L. Yeager, San Bernardino	29,964.25

Bids held under advisement until June 26.

CONTRACT AWARDED

SAN FRANCISCO.—Pacific Pavements, 85 Barstow St., at $.04 per sq. ft. (total of $2,120) awarded contract by the State Board of Harbor Commissioners for laying 53,000 sq. ft. of 1½-in. Topeka wearing surface on Pier No. 47.

Following bids received:

Pacific Pavements	$.04
Pacific States Const. Co.	.044
Eaton & Smith	.0495
A. G. Raisch	.0525

CONTRACT AWARDED

SANTA PAULA, Cal.—R. A. Wattson, 1026 McCadden St., Los Angeles, at $12,045.18 awarded contract by the Santa Paula city council for improving Harvard Street.

FUNDS APPROPRIATED

WESTERN STATES. — The appropriation of $234,000,000 for highway construction in the fiscal year ending June 30, 1935 was authorized by Congress and has been approved by the President. State Highway Departments will receive allotments to be expended under NIRA regulations for employment relief, amounting to $200-000,000. This fund will be distributed in the same proportion as the $400,-000,000 appropriation of 1933. California will receive $7,932,206; Nevada, $2,302,356, and Arizona, $2,641,935.

The appropriation bill allots $24,-000,000 to be expended by the Bureau of Public Roads for improvement of raids and trails in national forests, national parks, across unappropriated public lands and in Indian reservations. The distribution of this allotment is to be determined by the Secretary of Agriculture. The last appropriation was distributed as follows: 30% to forest highways, 32% to roads and trails in national parks, 8% to roads in Indian reservations, 10% to roads across public lands, and 20% to forest development roads.

The bill appropriates $10,000,000 for repair of highways damaged or destroyed by floods and earthquakes.

BIDS WANTED

LOS ANGELES AND ORANGE COUNTIES, Cal.—Until July 5, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, 808 State Bldg., Los Angeles, for highway improvement in Los Angeles and Orange Counties, at various locations, about 2 miles of existing roadbed shoulders and about 11.6 miles of existing roadbed to be treated with fuel oil and about 9.7 miles of existing roadbed shoulders to be treated with a bituminous seal coat, involving:

(1) 18,800 sq. yds. preparing, mixing and shaping shoulders, Location "A";
(2) 65,300 sq yds. preparing, mixing, and shaping roadbed, Location "B";
(3) 38,020 sq. yds. preparing, mixing and shaping roadbed, Location "C";
(4) 25,350 sq. yds. preparing, mixing and shaping roadbed, Location "E";
(5) 2740 bbls. heavy fuel oil in place, Locations "A", "B", "C" and "E";
(6) 68,300 sq. yds. preparing shoulders for seal coat, Location "D";
(7) 50 tons cuthack asphalt in place Location "D";
(8) 500 tons sand in place, Location "D".

Plans and specifications obtainable from above office. *

CONTRACT AWARDED

TULARE COUNTY, Cal.—Tiffany Constr. Co., 535 N. 7th St., San Jose, at $18,000 awarded contract by the U. S. Bureau of Public Roads, Sheldon Bldg., San Francisco, for bituminous surface treatment of Sections D3 and D4 of Route 1, the Generals' Highway, Sequoia National Park, and Section A of the General Grant Sequoia Park Approach Road, Tulare County.

CONTRACT AWARDED

NEVADA COUNAY, Cal. — L. G. Kipp, 2516 7th Ave., Sacramento, at $15,768 awarded contract by the State Highway Commission, Sacramento, for 3.5 miles bituminous surfacing in Nevada County, between 0.5 miles east of Hinton and Floriston.

CONTRACT AWARDED

COLUSA COUNTY, Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $146,974 awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 5.5 miles in Colusa County between Maxwell and Delevan.

June 23, 1934

Contract Awarded.

SAN DIEGO COUNTY, Cal.—V. R. Dennis Constr. Co., 3911 5th Ave., San Diego, at $22,136 awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 1 mile, between El Cajon and 1 mile east in San Diego County.

BIDS WANTED

WASHINGTON STATE.—Until July 10, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for highway construction as follows:

Whitman County

Constructing a bituminous surface on about 9.4 miles of Inland Empire Highway, Eastern Route, Junction State Road No. 3 to Oaksdale, and on about 8.5 miles Idaho State Line to Colton, Unit 2 of FPW Project 7748, in Whitman County, involving:

(1) 3,500 bbls. bit. cement SC-2 road oil;
(2) 715 tons bit. cement cut-back asphalt RC-4 and other items.

Clallam County

Paving with Portland cement concrete about 9.6 miles of State Road No. 9, end of pavement east of Port Angeles to Sequim, FPW Project 7758 in Clallam County.

Grays Harbor and Pacific Cos.

Grading about 0.9 mile and surfacing with crushed stone about 14.7 miles of State Road No. 13, Arctic to Raymond, FPW Project 7768, in Grays Harbor and Pacific Counties, involving:

(1) 4 acres clearing;
(2) 38,060 cu. yds. excavation;
(3) 63,020 cu. yds. crushed stone ballast and surfacing;
(4) 171 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

CONTRACT AWARDED

MARIN COUNTY, Cal. — E. A. Forde, 640 Redhill Ave., San Anselmo, at $2926.45 submitted low bid and was awarded contract by the Marin County Board of Supervisors, San Rafael, for road improvement as follows:

Fallon-two Rock Road from Fallon Corner to Twin Bridge Road, a distance of 2.1 miles (Armor Coat)
Fallon-Whitaker Bluff Road from Fallon Corner west for a distance of approximately 1 mile (Road Oil).
Gericke Road, from Fallon-Two Rock Road to Sonoma County Line, a distance of approximately 1.9 mi. (Road Oil).
Carmody Road from Fallon-Two Rock Road to Sonoma County Line, a distance of approximately 0.8 mile (Road Oil).
Twin Bridge Road, from Fallon-Two Rock Road to Tomales-Petaluma Road, a distance of approximately 1.1 miles (Road Oil).

Total bids follow:

(A) E. A. Forde, San Anselmo, $2,-926.45.
(B) Lee J. Immel, Berkeley, $3277.

Unit bids follow:

(1) 118 bbls. light oil (A) $1.64; (B) $1.70.
(2) 41 tons heavy oil (A) $15.45; (B) $18.00.
(3) 336 bbls. heavy fuel oil (A) $1.75; (B) $1.90.
(4) 400 tons rock (A) $2.50; (B) $2.80.
(5) 200 tons screenings (A) $2.55; (B) $2.90.

CONTRACT AWARDED

KERN COUNTY, Cal.—Granite Construction Co., Bin No. 9, Watsonville, at $26,654 awarded contract by the State Highway Commission, Sacramento, for 28.7 mi. fuel oil and asphaltic road oil (cut back) treatment in Kern County, between Rio Bravo and 0.5 mile south of Shafter, and between Old Quarry and the westerly boundary of Sequoia National Forest.

BIDS WANTED

MOHAVE COUNTY, Arizona—Until July 19, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading 3.537 miles of Section C of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave County, Arizona: The work involves:

(1) 38,150 cu. yds. unclass. excav.;
(2) 920 cu. yds. unclass. excavation for struc.;
(3) 13,400 sta. yds. overhaul;
(4) 3.52 mi. finishing earth graded road;
(5) 785 cu. yds. concrete;
(6) 69,700 lbs. reinforcing steel;
(7) 1006 lin. ft. C.M.P. in place;
(8) 1060 lin. ft. wire-cable guard rail.

Plans and specifications obtainable from above office and from the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, upon deposit of $10.

BIDS WANTED

SAN BERNARDINO COUNTY, Cal.—Until July 9, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for 28.5 miles of existing roadbed to be treated with fuel oil in San Bernardino County, between Summit Station and Cedar Springs; between the Stables and North Shore Toll Gate at Lake Arrowhead; and between Dolly Varden Angling Club and the South Fork of the Santa Ana River. The work requires:

(1) 3590 bbls. heavy fuel oil, in place;
(2) 28.5 mi. preparing roadbed and mixing and shaping oiled material.

Plans and specifications obtainable from the above office.

BIDS WANTED

YAKIMA COUNTY, Wash.—Until July 11, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, for constructing or improving the Randle-Yakima Reconstruction and Grading Project NR-13-J2,L3,N1, National Forest Road Project, located within the Columbia National Forest, Yakima County, Washington. The work involves:

(1) 10 acres clearing;
(2) 80,850 cu. yds. unclass. excav.;
(3) 540,000 sta. yds. overhaul;
(4) 8.984 mi. finishing earth graded road;
(5) 40 cu. yds. Class A concrete;
(6) 5000 cu. yds. loose riprap;
(7) Miscellaneous items of work.

CONTRACT AWARDED

LOS ANGELES CO., Cal.—Kovacevich & Price, Inc., 5400 Imperial Highway, South Gate, at $6,739.00 submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, State Building, Los Angeles, June 23, and awarded contract by the State Highway Commission, June 26, for road construction in Los Angeles County, at Norwalk, by treating with heavy fuel oil and surfacing with bituminous treated crushed gravel or stone various roads within the State Hospital grounds. The work involves:

(1) 1500 tons crushed gravel or stone in place(bituminous treated surf.)
(2) 65 tons cut-back asph. in place;
(3) 100 bbls. asph. road oil in place;
(4) 400 bbls. heavy fuel oil in place;
(5) 17,700 sq. yds. prepare, mix and shape roadbed (oil treatment).

Bidders follow:

(A) Kovacevich & Price, Inc., South Gate.
(B) W. P. Powell.
(C) Oswald Bros., Los Angeles.
(D) Silveria & Robbins, Ventura.
(E) Griffith Co., Los Angeles.
(F) H. E. Cox & Son, Pasadena.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	Total)
(A)..	$2.25	$17.00	$2.60	$1.90	$.07	$6,739.00
(B)..	2.10	19.00	1.80	1.60	.088	6,726.60
(C)..	2.50	17.00	2.00	2.40	.06	7,077.00
(D)..	2.45	16.00	3.00	1.50	.09	7,208.00
(E)..	2,42	13.20	2.70	2.00	.10	7,328.00
(F)..	3.20	16.00	1.90	2.00	.12	8,954.00

BIDS OPENED

RIVERSIDE COUNTY, Calif.—Morgan Bros., 5919 Maywood Ave., Huntington Park, at $5,757.75 submitted the low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, for 31.7 miles of fuel oil treatment of existing roadbed in Riverside County between Temecula River bridge and San Diego county line, near Aguanga, and between Hemet and Sage. The work requires 4,265 barrels of heavy fuel oil in place.

Complete bids follow:

Morgan Bros., (barrel) $1.35; (total) $5,757.75.

Lambs Transfer Co., Long Beach, $1.40; $5,971.00.

Square Oil Co., Los Angeles, $1.49; $6,354.80.

Gilmore Oil Co., Los Angeles, $1.53; $6,525.40.

Paulsen & March, Los Angeles, $1.62 $6,909.30.

BIDS WANTED

PERSHING COUNTY, Nev.—Until July 6, 2:30 P. M., bids will be received by the Nevada State Highway Directors, Heroes Memorial Bldg. Carson City, S. C. Durkee, State Highway Engineer, for reconstructing a portion of the State Highway system in Pershing County between Lovelock and five miles east, Route 1, Section C1, a length of 4.77 miles.

The work involves:

(1) 5,700 c. y. roadway excavation;
(2) 670 c. y. structure excavation;
(3) 46,300 c. y. select borrow;
(4) 4.74 miles salvage and relay fence
(5) 4.74 miles subgrade;
(6) 15,000 c. y. cru. gravel or stone surfacing;
(8) 10 each remove culvert headwalls;
(9) 11 each move pipe culvert do;
(10) 50 c. y. remove concrete;
(11) 269 c. y. Class A concrete;
(12) 18 c. y. Class B do;
(13) 23 c. y. Class D do;
(14) 31,500 lbs. reinforcing steel;
(15) 10,800 lbs. structural steel;
(16) 78 lin. ft. 12-in. CMP;
(17) 144 lin. ft. 15-in. CMP;
(18) 180 lin. ft. 18-in. CMP;
(19) 46 lin. ft. 24-in. CMP;
(20) 108 lin. ft. 3x2-ft. laminated culvert;
(21) 240 lin. ft. 18-in. vitrified pipe;
(22) 129 lin. ft. 24-in. do;
(23) 210 lin. ft. 36-in. do;
(24) 480 lin. ft. remove culvert pipe;
(25) 336 lin. ft. relay culvert pipe;
(26) 21,992 lin. ft. remove fence;
(27) 120 lin. ft. reconstruct fence;
(28) 21,872 lin. ft. construct fence;
(29) 13.6 MFBM redwood;
(30) 300 lin. ft. treated timber piles;
(31) 9 each drive treated piles;
(32) 500 lbs. castings;
(33) 26 each monuments;
(34) 104,353 gals. asph. road material, Type SC-2;
(35) 7,653 gals. do, Type MC-2;
(36) 4.74 miles roadmix;
(37) lump sum, move telephone and power lines;
(38) force account, misc. items;
(39) 4.77 miles finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5.00, $2.50 returnable; and on file at the offices of the Bureau of Public Roads, 461 Market St., San Francisco.

LOW BIDDER

INYO AND MONO COUNTIES, Cal.—Paulsen & March, Inc., 8275 Compton Ave., Los Angeles, at $2.18 per bbl., total $6747.10, submitted low bid to S. W. Lowden, District Engineer, Bishop, for 25.7 miles exieting roadbed to be treated with 3095 bbls. heavy fuel oil (60-70) in Inyo and Mono Counties, at various locations, bet. 6.4 miles north of Bishop and the California-Nevada State line.

Complete bids will be published shortly.

BIDS OPENED

LOS ANGELES COUNTY, Ca.—Oswald Bros., 366 E. 58th St., Los Angeles, at $54,715.15 submitted low bid to the Los Angeles County Board of Supervisors, June 25, for the improvement of Center St. in the vicinity of Rivera and Whittier, for San Gabriel Blvd. to Whittier Blvd., a dietance of 17,721 lin. ft. or 3.36 miles. Complete bids follow:

Oswald Bros., Los Angeles....$54,715.15
J. L. McClain, Los Angeles.. 58,267.18
Dimmitt & Taylor, L. A..... 58,511.15
Los Angeles Paving Co., Los Angeles 60,538.71
Griffth Co., Los Angeles..... 6,0936.04
Gogo & Rados, L. A..... 61,867.50
Geo. R. Curtis Paving Co., Los Angeles 70,542.62

BIDS WANTED

COCONINO COUNTY, Ariz. — Until July 17, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for grading 8.017 miles of Section A of Route 3, the Flagstaff-Clints Well National Forest Highway, Coconino National Forest, Coconino County.

The work involves:

(1) 38 acres clearing;
(2) 38,000c.y. unclass. excav.;
(3) 31,700 c.y. unclass. excav. for borrow;
(4) 1,375 c.y. do for struc.;
(5) 38,000 sta. yds. overhaul;
(6) 23,600 c.y. ml. borrow haul;
(7) 21,500 c.y. select material for backfill;
(8) 1,528 l.ft. CMP, in place;
(9) 208 l.f. removing and stockpiling existing CMP culverts;
(10) 976 c.y. cement rubble masonry;
(11) 159 c.y. concrete;
(12) 28,900 lbs. reinforcing steel;
(13) 84,000 lbs. structural steel;
(14) 1.3 MFBM untreated timber;
(15) 18,530 l.ft. Type 1 protection ditch
(16) 2,130 l.f. Type 2 do;
(17) 3 each cattle guard, in place;
(18) 2,149 l.ft. removing and resetting fence.

Plans and specifications obtainable from the above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.

June 28, 1934

BIDS OPENED

RIVERSIDE & San Bernardino Cos., Cal.—George Herz & Co., Platt Bldg., San Bernardino, at $11,920.70 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, for 22.7 miles of fuel oil treatment of existing roadbed in Riverside and San Bernardino counties, between Forest Boudary and Hemet ad Keen

STATE HIGHWAY AWARDS

Following are principal State Highway Construction Contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idaho in the four weeks period ending June 28:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
California Highway Commission	11.7 miles fuel oil treatment, San Benito County	Walter Roselip, San Luis Obispo	$ 6,836.00	June 1
California Highway Commission	41.7 miles fuel oil treatment, San Luis Obispo County	Walter Roselip, San Luis Obispo	$ 7,562.00	June 1
Arizona Highway Comm.	Street Improvement, Phoenix	Arizona Sand & Rock Co., Phoenix	$ 5,697.00	June 1
Arizona Highway Comm.	0.25 mile pavement widening, etc., Buckeye	Arizona Sand & Rock Co., Phoenix	$ 8,473.00	June 1
Idaho Highway Commission	1.007 miles surfacing, etc., Lincoln County	Western Const. Co., Pocatello	$ 16,442.00	June 4
Idaho Highway Commission	Concrete, subway, 1.574 mi. bit. paving, etc., Bonneville Co.	Morrison-Knudsen Co. Boise	$155,835.00	June 4
Idaho Highway Commission	3 bridges and 1 culvert, Jerome County	J. F. Konen, Lewiston	$ 26,358.00	June 5
California Highway Commission	54.3 mi. fuel oil treatment, San Luis Obispo & Monterey Cos	L. A. Briscoe, Arroyo Grande	$ 12,943.00	June 6
California Highway Commission	38.9 miles highway oiling, Imperial County	Square Oil Co., L. A.	$ 8,338.00	June 6
Arizona Highway Commission	10.75 miles grading, etc., Saint Johns	Lee Moor Contr. Co., El Paso, Texas	$ 87,429.00	June 6
Arizona Highway Commission	7.4 miles grading, etc., Holbrook-St. Johns Highway	W. E. Hall Co., Alhambra, Calif.	$ 68,812.00	June 6
Washington Highway Comm.	21.7 miles surfacing, Lincoln & Grant Counties	Triangle Const. Co., Spokane	$ 42,968.00	June 5
California Highway Commission	41.1 miles fuel oil treatment, Los Angeles County	Matich Bros., Elsinore	$ 38,163.00	June 7
California Highway Commission	34.6 mi. fuel oil treatment, etc., Los Angeles County	Dimmit & Taylor, Los Angeles	$ 29,695.00	June 7
California Highway Commission	2.0 miles grade and pave, Los Angeles	Basich Bros. Torrance	$150,290.00	June 7
California Highway Commission	Bridge, Santa Barbara County	L. C. Seidel, Oakland	$ 29,597.00	June 9
Oregon Highway Commission	0.21 mile grading, Coos Co.	P. H. Cochran, Portland	$ 16,828.00	June 11
Oregon Highway Commission	Frame storage building, Josephine County	Sig Ash, Medford	$ 4,277.00	June 11
Oregon Highway Commission	Guard fence and sight posts, Sherman County	Collins Conc. Pipe Co., Portland	$ 8,497.00	June 11
Washington Highway Comm.	43 miles bit. seal coat and 22.6 miles bit. surfacing, Mason, Jefferson and Kitsap Cos.	F. J. Kernan, Faloma, Oregon	$ 45,311.00	June 12
Washington Highway Comm.	14.8 miles bit. mat, Grays Harbor and Mason Counties	J. F. Forbes, Olympia	$ 59,403.00	June 12
Washington Highway Comm.	17.3 miles grade and surface & 8 trestles, Grays Harbor Co.	L. J. Dowell, Inc., Seattle	$300,176.00	June 12
California Highway Commission	Bridge, Shasta County	J. F. Knapp, Oakland	$168,847.00	June 15
California Highway Commission	3.9 miles surfacing, Yolo Co.	Garcia Const. Co., Irvington	$ 10,325.00	June 15
California Highway Commission	19.7 miles fuel oil treatment, Mono County	Paulsen & March, Inc. Los Angeles	$ 6,277.00	June 15
California Highway Commission	3.3 miles grading and surfacing, Monterey County	Peninsula Paving Co., San Francisco	$108,515.00	June 16
California Highway Commission	5.6 miles grading, San Diego Co.	R. E. Campbell, Los Angeles	$105,296.00	June 18
Idaho Highway Commission	13.543 miles bitm. mat, Bear Lake and Bannock County	J. C. Compton, McMinnville, Ore.	$ 45,967.00	June 18
Golden Gate Bridge and Highway District Directors	Conduit extension, Marina Tunnel to bridgehead	Alta Elec. & Mech. Co. San Francisco	$ 11,000.00	June 21
Arizona Highway Commission	Bridge culvert, Winslow	H. L. Royden, Phoenix	$ 4,017.00	June 21
California Highway Commission	One mile grade and pave, San Diego County	V. R. Dennis Constr. Co., San Diego	$ 22,136.00	June 22
California Highway Commission	3.5 miles bituminous surf., Nevada County	L. G. Kipp, Sacramento	$ 15,768.00	June 22
California Highway Commission	5.5 mi. grade and pave, Colusa County	Hanrahan Co., S. F.	$146,974.00	June 22
Oregon Highway Commission	Siuslaw river bridge, Lane Co.	Mercer-Fraser Co. Eureka	$491,646.00	June 23
Oregon Highway Commission	Umpqua river bridge, Douglas County	Teufel & Carlson, Seattle	$551,234.00	June 23
California Highway Commission	28.7 mi. fuel oil and asph. road oil treatment, Kern Co.	Granite Constr. Co., Watsonville	$ 26,654.00	June 25
Washington Highway Comm.	Deception & Canoe Pass bridge, Skagit and Island Counties	Puget Const. Co., Seattle	$304,755.00	June 25
California Highway Commission	Oil treatment & surf., Norwalk Hospital, grounds, L. A. Co.	Kovacevich and Price, Inc., South Gate	$ 6,739.00	June 26

CONTRACT AWARDED

SAN LUIS OBISPO, Calif. — Walter Roselip, 756 Santa Rosa St., San Luis Obispo, at $2,375 awarded contract by the San Luis Obispo High School District for constructing 3 tennis courts at the San Luis Obispo Senior High School. Roselip submitted the only bid. 29

CONTRACT AWARDED

RIVERSIDE, Cal. — B. G. Carroll, 4396 Maryland St., San Diego, at $25,070.92 awarded contract by the Riverside City Council for the construction of the S-turn from 7th to 8th St. via Pepper St. and the resurfacing of Magnolia Ave., between Jurupa Ave. and 14th St.

Complete bids published June 22.

CONTRACT AWARDED

LOS ANGELES, Cal.—Geo. J. Bock & Son, 1007 S. Harvard Blvd., Los Angeles, at $21,256.33 awarded contract by the Los Angeles Board of Public Works, for grading, paving, and otherwise improving streets in the Kingman Avenue and Entrada Improvement District.

Complete bids published June 8.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SACRAMENTO CO. — M STREET BRIDGE — (STATE)

YOLO and Sacramento Cos., Cal.—Geo. Pollock Co., P. O. Box 903, Sacramento, for the construction of a bridge across Sacramento River at M ramento, at $907,365 submitted low bid to the State Highway Comm., Sac-209 ft .6-in. through steel truss lift span; one 192-ft. 6-in. through steel truss span; one 167-ft. 6-in. through steel truss fixed span, and four steel girder spans from 34- to 35-feet in length. The approaches are to be graded and paved.

Total bids follow:

(A) George Pollock Co., Sacramento, $907,365.00.
(B) Healy - Tibbitts Const. Co., San Francisco, $912,535.55.
(C) M. B. McGowan, San Francisco, and Rocca & Caletti, San Rafael, $919,989.00.
(D) J. F. Knapp, Oakland, $949,476.00.
(E) Pacific Bridge Co., San Francisco, $961,688.10.
(F) Raymond Concrete Pile Co. and J. H. Pomeroy Co., San Francisco, $970,256.00.
(G) Barrett & Hilp, San Francisco, $984,646.00.
(H) MacDonald & Kahn Co., Ltd., San Francisco, $1,025,225.90.

Unit quantities follow:

Unit bids follow:

(1) 1 lot barricades and warning signs;
(2) 1 lot existing wharf removed and reconstructed;
(3) 1 only exist. bridge to be removed and disposed of;
(4) 2900 cu. yds. exist. conc. to be do;
(5) 8300 lin. ft. furnishing untreated Douglas Fir piles, 60 ft. and under, including test piles;
(6) 24,700 lin. ft. do, 60 ft. to 80 ft. do;
(7) 7800 lin. ft. furnishing creosoted Douglas Fir piles, 60 ft. and under, including test piles;
(8) 16,900 lin. ft. do, 60 to 80 ft. do;
(9) 922 each driving Douglas Fir piles, all length, creosoted and untreated, including test piles;
(10) 4620 lin. ft. furnishing reinf. concrete piles, including test piles;
(11) 77 each driving do;
(12) 97 MFBM Douglas Fir timber, detour towers and lift span;
(13) 156 MFBM Douglas Fir timber, detour, trestle and fenders;
(14) 75 MFBM Douglas Fir timber, main bridge fenders;
(15) 6100 cu. yds. struc. excav., Piers 5, 6 and 7;
(16) 2100 cu. yds. struc. excav., Pier 8;
(17) 820 cu. yds. struc. excav., Piers 1, 2, 3 and 4;
(18) 12,000 cu. yds. channel excav.;
(19) 800 cu. yds. rdwy. excav., unclass.;
(20) 1500 cu. yds. imported borrow;
(21) 4100 sq. yds. subgrade for pavement;
(22) 80 M. gals. water;
(23) 135 cu. yds. cushion course for pavement;
(24) 350 tons crushed rock base;
(25) 3210 cu. yds. Class A Portland cem. conc., footing blocks;
(26) 2400 cu. yds. do, structures;
(27) 70 cu. yds. do, railing and pylons
(28) 500 cu. yds. Class B Portland cement concrete, counterweights and balance blocks;
(29) 1830 cu. yds. do, piers;
(30) 375 cu. yds. Class F Portland cement concrete pave., rdwy.;
(31) 190 cu. yds. do, track;
(32) 1012 cu. yds. light weight conc.;
(33) 254,000 lbs. bar rein. steel;
(34) 63,000 lin. ft. welded reinforced trusses;
(35) 3,035,000 lbs. carbon struc. steel;
(36) 1,345,000 lbs. silicon struc. steel;
(37) 203,600 lbs. salvaged struc. steel;
(38) 1 lot ornamental steel railing;
(39) 120,000 lbs. cast steel, main bridge
(40) 9 each plate girder spans;
(41) 45,000 lbs. struc. metal, detour;
(42) 1 lot electrical and mechanical equipment, detour;
(43) 1 lot operator and control houses detour;
(44) 50 cu. yds. gravel and sand mixture, detour counterweights;
(45) 1 lot railway track work, detour
(46) 192,000 lbs. counterweight sheaves, shafts and bearings, main bridge;
(47) 124,000 lbs. balance chains;
(48) 88,000 lbs. ropes and sockets, main bridge;
(49) 82,000 lbs. operating machinery main bridge;
(50) 1 lot electrical and control equipment, do;
(51) 1 only gasoline engine unit, complete;
(52) 1 only machinery house on main bridge;
(53) 1 lot railway track work, main bridge;
(54) 800 tons asphalt concrete;
(55) 400 sq. yds. asph. paint binder
(56) 330 tons crushed gravel or stone bituminous treated surfacing;
(57) 20 tons cutback asphalt;
(58) 120 lin. ft. 12-in. CMP;
(59) 560 lin. ft. existing guard rail to be moved and reset;
(60) 1 only detour bridge to be removed and disposed of;
(61) 36 cu. yds. broken concrete riprap;
(62) 1 only watchman's shelter;
(63) 9 stations finishing roadway;
(64) 7 each monuments;
(65) 1 lot miscellaneous items of work
(66) 350,000 lbs. carbon structural steel plates.

NOTE—The State reserves the right to omit the work to be done under item 66 above and no additional compensation will be made to the contractor by reason of the omission of said item. The decision as to whether or not item 66 will be omitted will be made after the opening of bids and prior to the award of the contract.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 3,000.00	$ 1,500.00	$ 2,000.00	$ 500.00	$ 500.00	$ 700.00	$ 1,000.00	$ 375.00
(2)	1,700.00	3,000.00	2,000.00	3,000.00	1,500.00	4,256.00	4,000.00	5,000 00
(3)	17,000.00	20,000.00	60,556.00	25,000.00	20,000.00	29,700.00	12,000.00	65,00.00
(4)	6.00	5.00	6.00	5.00	8.00	6.00	4.00	7.50
(5)	.21	.22	.19	.20	.25	.18	.15	.18
(6)	.24	.23	.195	.22	.27	.19	.15	.21
(7)	.60	.60	.50	.65	.60	.60	.60	.70
(8)	.70	.72	.60	.70	.74	.66	.60	.72
(9)	9.00	16.00	9.00	12.00	16.30	14.00	14.00	10.00
(10)	2.50	2.50	3.00	2.00	2.50	2.00	2.00	2.25
(11)	50.00	38.00	50.00	15.00	30.00	24.00	40.00	22.00
(12)	150.00	175.00	100.00	150.00	146.50	190.00	200.00	177.00
(13)	85.00	110.00	100.00	100.00	83.00	80.00	80.00	112.50
(14)	115.00	125 00	150.00	130.00	90.00	130.00	130.00	165.00
(15)	5.50	12.50	6.50	9.00	4.50	8.00	8.00	3.00
(16)	2.50	3.00	4.00	1.25	3.00	6.00	2.00	4.25
(17)	2.50	6.00	5.00	1.25	2.00	5.00	3.00	1.25
(18)	.50	.40	.25	1.00	.25	.80	.30	.80
(19)	.60	1.00	.60	.50	.75	.75	1.00	1.25
(20)	.80	.60	.50	.50	.60	.60	1.00	1.25
(21)	.15	.08	.10	.15	.15	.15	.20	.06
(22)	1.50	2.50	2.00	3.00	1.50	1.50	2.00	1.00
(23)	1.00	1.00	.50	2.50	60	.60	1.00	3.00
(24)	2.50	4.00	3.00	2.50	2.50	2.50	3.00	3.00
(25)	20.00	10.00	10.00	9.00	9.00	15.00	10.00	12.00
(26)	16.00	11.00	10.00	13.00	17.65	19.00	15.00	17.50
(27)	50.00	30.00	50.00	50.00	63.50	60.00	60.00	75.00
(28)	10.00	10.00	10.00	12.00	8.00	12.00	25.00	13.50
(29)	13.00	11.00	10.00	12.00	11.00	12.00	15.00	15.00
(30)	11.00	8.00	8.00	9.00	15.00	12.00	12.00	8.00
(31)	12.00	8.00	7.00	9.00	15.00	13.00	12.00	8.25
(32)	23.50	17.00	18.00	20.00	30.00	22.00	25.00	26.00
(33)	.04	.045	.035	.04	.05	.04	.04	.047
(34)	.26	.25	.15	.22	.25	.23	.25	.31
(35)	.062	.06	.059	.065	.07	.057	.07	.0595

(36)	.064	.07	.065	.0725	.075	.065	.08	.066
(37)	.025	.03	.025	.03	.025	.035	.03	.0315
(38)	7,000.00	15,000.00	6,000.00	16,000.00	9,000.00	11,800.00	8,000.00	8,750.00
(39)	.12	.13	.11	.115	.09	.10	.13	.12
(40)	1,000.00	750.00	2,000.00	850.00	750.00	1,000.00	1,000.00	800.00
(41)	.08	.07	.08	.10	.08	.08	.09	.06
(42)	17,000.00	12,000.00	30,000.00	20,000.00	21,000.00	26,400.00	23,000.00	20,375.00
(43)	1,000.00	900.00	2,000.00	500.00	1,500.00	4,000.00	1,000.00	625.00
(44)	4.00	5.00	6.00	3.00	4.00	4.00	5.00	6.25
(45)	1,200.00	1,000.00	5,000.00	2,500.00	1,500.00	4,500.00	2,500.00	3,750.00
(46)	.15	.15	.14	.15	.185	.13	.16	.1575
(47)	.05	.05	.04	.06	.06	.07	.055	.07
(48)	.15	.25	.20	.15	.19	.17	.30	.29
(49)	.242	.25	.24	.24	.23	.23	.28	.28
(50)	95,000.00	95,000.00	80,000.00	97,500.00	107,000.00	96,100.00	100,000.00	115,375.00
(51)	2,500.00	2,250.00	2,000.00	2,500.00	1,500.00	2,500.00	3,000.00	2,125.00
(52)	4,000.00	7,000.00	8,000.00	10,500.00	6,500.00	10,000.00	3,000.00	10,000.00
(53)	5,000.00	7,900.00	8,000.00	9,000.00	4,000.00	10,700.00	11,000.00	15,000.00
(54)	6.00	10.00	5.00	5.00	7.50	11.00	8.00	9.00
(55)	.10	.18	.20	.10	.10	.10	.10	.125
(56)	4.00	.035	2.00	5.00	5.00	5.00	6.00	7.00
(57)	17.00	20.00	10.00	25.00	16.00	16.00	20.00	20.00
(58)	1.00	1.30	1.50	1.50	2.50	2.00	2.00	6.00
(59)	.60	1.25	2.00	1.00	1.00	1.00	1.00	1.00
(60)	500.00	3,000.00	5,000.00	15,000.00	5,000.00	6,500.00	5,000.00	7,500.00
(61)	3.00	4.00	10.00	2.50	5.00	5.00	5.00	3.75
(62)	500.00	750.00	1,000.00	800.00	300.00	1,000.00	600.00	900.00
(63)	10.00	7.00	10.00	6.00	25.00	10.00	15.00	10.00
(64)	3.00	3.00	5.00	3.00	20.00	10.00	5.00	6.00
(65)	1,500.00	1,200.00	23,413.00	5,000.00	5,100.00	4,232.00	1,500.00	2,500.00
(66)	.068	.01	.055	.065	.08	.065	.0675	.08

COMPLETE BID LISTING

GLENDALE, Ariz.—Phoenix-Tempe Stone Co., Box 1645, Phoenix, at $29,-393.19, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix-Prescott Highway (Glendale streets) NRM 33-A and 48 (APE 510). The work, which is located in the City of Glendale, extending along Grand Avenue a distance of 1.15 miles, consists of the widening of existing pavement with Portland cement concrete, extending six concrete box culverts, and incidental work.

Total bids follow:

(A) Phoenix-Tempe Stone Co., Phoenix, $29,393.19.
(B) W. E. Hall Co., Phoenix, $30,-191.52.
(C) C. F. Fisher, Phoenix, $32,309.97.
(D) Borderland Const. Co., Tucson, $34,144.34.
(E) Del E. Webb Const. Co., Phoenix, $36,255.79.

Unit quantities follow:
(1) 175 c.y. struc. excav., unclass.;
(2) 70 c.y. Class A conc., inc. cement;
(3) 4930 lbs. reinf. steel bars (CIP);
(4) 13,496 sq. yds. grading under pave.
(5) 13,496 sq. yds. conc. pave. (CIP) (except grading);
(6) 10 tons repairing corner breakage (CIP);
(7) 17 c.y. removal of old concrete;
(8) 199 sq. yds. removal of pavement.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .85	$ 1.00	$ 1.25	$ 1.50	$ 1.50
(2)	18.00	20.00	22.00	24.50	20.00
(3)	.05	.06	.07	.06	.05
(4)	.25	.18	.22	.25	.275
(5)	1.79	1.89	2.00	2.09	2.24
(6)	5.00	10.00	12.00	12.00	15.00
(7)	4.50	5.00	1.50	3.00	10.00
(8)	.40	1.00	.50	.60	.30

All bids held under advisement.

LOS ANGELES, Cal.—T. E. Shafer, 405 N. Rampart Blvd., Los Angeles, at $8727.50 submitted low bid to the Los Angeles Board of Public Works, June 27, for improving Imperial Highway from Central Ave. to Belhaven St. Complete bids follow:

T. E. Shafer, Los Angeles, ... $8727.50
Southern California Roads Co. Los Angeles 8982.67
L. A. Paving Co., L. A. 9248.10
Martter & Bock, Ltd., L. A. 9367.66
Kovacevich & Price, Inc., South Gate 9,583.82
Koopman-Wright Co., L. A. 9,651.44
D. J. Reed & J. Malser, L. A. 9,779.32
Contracting Engineers, Inc. Los Angeles 9,931.39
Griffith Co., Los Angeles 10,093.12
Engineer's Estimate 9,613.48

BIDS OPENED

LOS ANGELES, Calif.—Artukovich Bros., 4928 West Blvd., Los Angeles, at $28,026.60 submitted low bid to the Los Angeles Board of Public Works, June 20 (based on Proposal 1-a) for centrifugal concrete pipe, for the construction of the Harris Pl. and Terminal Way force main sewers (Terminal Island, San Pedro) in Terminal Way between a point 230 ft. southwesterly from Ferry St. and a point 90 ft. westerly from Dock Street and Harris Place, between Seaside Ave. and Terminal Way.

Fred W. Weber, 8442 California Avenue, South Gate, submitted low bid on cast iron pipe (Proposal 1-b) at $28,100, and on cast iron pipe with lead joints (Proposal 2) at $29,250.

Bids were taken as follows:

(1-a) Construction of a centrifugal concrete pipe force main sewer, including surfacing and all required resurfacing, involving: 7269.18 lin. ft. of centrifugal concrete pipe and 178.52 lin. ft. 20-in. centrifugal pipe on the curves;

1-b) (Alt.) Same as item (1-a) except that the centrifugal concrete pipe becomes cast iron pipe, involving: 7,-451.80 lin. ft. 20-in. cast iron pipe.

(2) Same as item (1-b) except that the joints of cast iorn pipe shall be made of lead.

Bidders follow:
(B) Fred W. Weher, South Gate.
(A) Artukovich Bros., Los Angeles.
(C) V. C. K. Const. Co., Los Angeles.
(D) United Concrete Pipe Corp., L. A.
(E) Magenovich & Gillespie, L. A.
(F) Gogo & Rados, Los Angeles.
(G) Bebek & Brkich, Los Angeles.
(H) R. A. Wattson, Los Angeles .
(I) Drainage Const. Co., Lynwood.
(J) Kemper Const. Co., L. A.
(K) Shannahan Bros., Los Angeles.
(L) John Grancich Los Angeles.
(M) George E. Miller, Beverly Hills.
(N) Engineer's estimate.

Complete bids follow:

	(1-a)	(1-b)	(2)
(A)	$28,026.60	$29,246.70	$30,257.20
(B)	.....	28,100.00	29,250.00
(C)	29,592.00	33,500.00	33,700.00
(D)	29,685.00	31,485.00	31,880.00
(E)	29,778.00	.....	.....
(F)	30,638.00	31,390.00	32,255.00
(G)	32,750.00	.....	.....
(H)	32,980.00	41,065.00	41,250.00
(I)	33,744.00	38,500.00	39,600.00
(J)	34,960.00	37,840.00	38,709.00
(K)	37,600.00	40,670.00	40,870.00
(L)	37,924.00	.....	47,924.00
(M)	.....	.....	46,315.00
(N)	31,980.00	36,813.00	38,174.00

All bids held under advisement.

HAMILTON FIELD—SIDEWALKS & DRIVE—(GOVT.)

HAMILTON FIELD, Cal.—Frank J. Main, Fairfax, at $14,526.25 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the construction of sidewalks and driveway at Hamilton Field. Quantities follow

(1) 1780 cu. yds. excavation;
(2) 1700 cu. yds. 6-in. concrete pavement with 6x6-in. mesh;
(3) 2650 sq. yds. asphalt concrete surface;
(4) 450 cu. yds. 6-in. crusher run base
(5) 3850 lin. ft. 2 x 8 ft. Oregon Pine header board;
(6) 4750 sq. yds. 4-ft. concrete sidewalk;
(7) 720 sq. yds. 2-ft. concrete sidewalk;
(8) 1650 lin. ft. concrete stair, riser and tread.

Total bids follow:
(A) Frank J. Main, Fairfax, $14,526.25
(B) Albany Cement Contractors, Albany, $14,561.25.
(C) N. M. Ball, Berkeley, $14,749.
(D) Pacific States Constr. Co., San Francisco, $15,770.75.
(E) Frank J. Reilly, San Francisco, $17,231.
(F) V. Maggiora, Sausalito, $17,252.50
(G) Brown & Lambretti, Mill Valley, $17,318.
(H) Lee J. Immel, Berkeley, $18,395.
(I) Ransome Co., Emeryville, $19,-535.30.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$1.125	$1.14	$1.23	$1.215	$1.52	$1.25	$1.28	$1.30	$1.70
(2)	1.17	1.28	1.27	1.55	1.61	1.35	1.30	1.30	1.84
(3)	1.80	1.60	1.70	1.93	2.52	1.90	1.77	2.20	2.00
(4)	2.75	2.50	2.60	3.30	3.36	3.50	3.60	3.50	3.11
(5)	.80	.70	.75	.90	.70	1.10	1.05	.65	.74
(6)	.42	1.00	.60	.50	.75	.85	.60	1.00	1.50
(7)	.60	.40	.60	.54	.58	.55	.58	1.35	.40
(8)	.10	.10	.10	.15	.10	.10	.14	.14	.10

All bids under advisement.

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Building and Engineering News

IN THIS ISSUE

$110,000,000 Appropriated For U. S. Building

California Jobs Given PWA Funds

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

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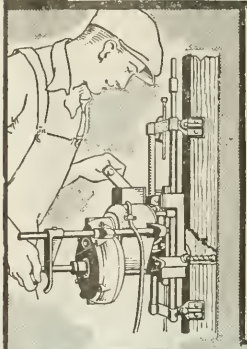
JULY 7, 1934

WAPPAT Electric TOOLS



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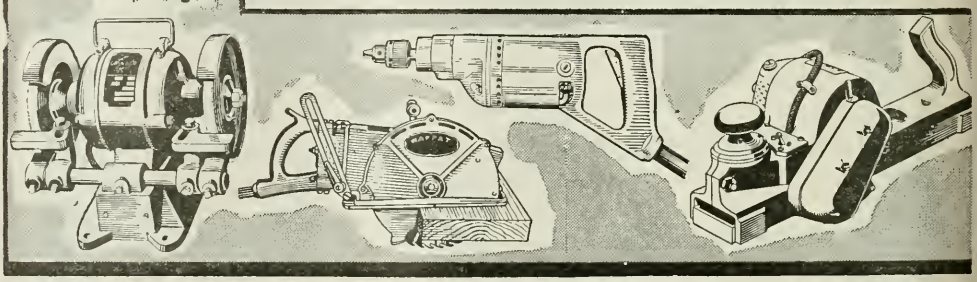

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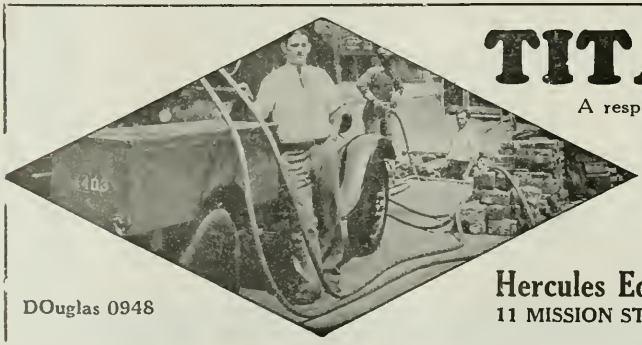

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Vol. XVII SAN FRANCISCO, CALIF., JULY 7, 1934 No. 27

$110,000,000 Fund Available For Treasury Department Building Program

The Secretary of the Treasury and the Postmaster General have announced the selection and approval of 302 public building projects to be paid for out of the $65,000,000 emergency construction fund authorized under the emergency appropriation act. This act is effective for the fiscal year beginning July 1, 1934.

In addition, the Secretary of the Treasury and the Postmaster General made public a list of 324 other public building projects for which funds are already available from other sources and on which work will be expedited. The two lists of projects will represent a combined expenditure of more than $110,000,000 scattered throughout all states of the union and territories.

Preference is being given to those projects for which the Government has previously acquired the necessary real estate for building purposes.

Of the 302 projects, there are 191 small communities selected which do not have any federal building at the present time and where the average postal receipts last year amounted to approximately $29,500 per annum.

In selecting the new list of building projects the Secretary of the Treasury and the Postmaster General have given consideration to the locations of the 324 projects already authorized under other funds but which have not been placed under contract. These will also be placed under contract as quickly as plans and specifications can be prepared.

The following projects in western states have been selected to date:

ARIZONA: Flagstaff, P. O.

CALIFORNIA: Sebastopol, P. O.; Tracy, P. O.; Hayward, P. O.; San Mateo, P. O.; Santa Barbara, P. O., etc.; Pasadena, P. O., etc.; Huntington Park, P. O.; Los Angeles, P. O., etc.; South Gate P. O.; Long Beach, P. O., etc.; San Diego, P. O.

COLORADO: Longmont, P. O.; Pueblo, P. O.

IDAHO: Wallace, P. O.; Blackfoot, P. O.; Burley, P. O.

MONTANA: Dillon, P. O.; Glendive, P. O.

NEVADA: Reno, P. O. and Ct. H.

NEW MEXICO: Raton, P. O.; Santa Fe, P. O.

OREGON: Grants Pass, P. O.; McMinnville, P. O.; Baker, P. O.; Newberg, P. O.

UTAH: Provo, P. O.

WASHINGTON: Bremerton, P. O.; Mt. Vernon, P. O.; Kelso, P. O.; Spokane, P. P.; Puyallup, P. O.; Prosser, P. O.

WYOMING: Kemmerer, P. O.; Wheatland, P. O.; Gillette, P. O.; Worland, P. O.

ALASKA: Ketchikan, P. O. and Ct. H.

HAWAII: Honolulu, Q. S

Projects which have been auorized under other funds and which will be placed under contract as rapidly as plans and specifications can be prepared:

CALIFORNIA: San Rafael, P. O. Redding, P. O.; Roseville, P. O.; Lodi, P. O.; Woodland, P. O.; San Francisco, Mint; Pittsburg, P. O.; Hollister, P. O.; Redwood City, P. O.; Salinas, P. O.; Santa Clara, P. O.; Santa Cruz, P. O.; Madera, P. O.; Turlock, P. O.; Santa Paula, P. O.; Ventura, P. O.; North Hollywood, P. O.; San Fernando, P. O.; Van Nuys, P. O.; Alhambra, P. O.; Claremont, P. O.; El Monte, P. O.; Montebello, P. O.; San Gabriel, P. O.; South Pasadena, P. O.; Whittier, P. O.; Bell, P. O.; Hollywood, P. O., etc.; Inglewood, P. O.; Redondo Beach, P. O.; Santa Monica, P. O.; San Pedro, P. O. and Ct. H.; Torrance, P. O.; Compton, P O.; Anaheim, P. O.; Colton, P. O.; Huntington Beach, P. O.; Orange, P. O.; La Jolla, P. O.; Oceanside, P. O.

COLORADO: Denver, Ct. H.; Alamosa, P. O.; amar, P. O.; Rocky Ford, P. O.; Walsenberg, P. O.; Salida, P. O.

IDAHO: Eastport, B. S.

MONTANA: Hamilton, P. H. S.; Sweetgrass, B. S.

NEVADA Ely, P. O.

NEW MEXICO: Silver City, P. O.; Carlsbad, P. O.

OREGON: Hillsboro, P. O.; Marshfield, P. O.; Hood River, P. O.

WASHINGTON: Montesano, P. O.; Laurier, B. S.

S. F. BAY BRIDGE PAINTING BIDS TO OPEN AUG. 1

Kern County Paving Contract Advertised For July 25

SACRAMENTO, July 3.—Bids are to be received August 1 for painting the superstructure of the San Francisco-Oakland Bay Bridge, the Department of Public Works announced today. The bids will be opened at San Francisco in the offices of the Bay Bridge Commission 500 Sansome street.

The estimated quantities of steel to be painted are 24,000 tons in towers of the West Bay crossing; 39,000 tons in spans of the West Bay crossing, and 58,000 tons in spans of the East Bay crossing. Included in the West Bay crossing work are 19,000 tons of cable, 226,000 feet of 2¼-inch suspender ropes and 38,000 feet of one-inch hand ropes.

The Highway Commission today announced that bids would be opened July 25 in Sacramento for grading and paving with portland cement concrete a section of 5.2 miles in Kern county between Fort Tejon and Grapevine station.

BIDS OPENED ON TWO S. F. PAVING JOBS

Union Paving Co. and A. J. Raisch Low Bidders For State Work Here

SACRAMENTO, July 5.—Union Paving Company and A. J. Raisch Co. were low bidders respectively on widening and paving of Potrero avenue and widening and paving of Harrison street in San Francisco for which bids were opened today by the State Highway Commission.

Union Paving Co.'s bid was $164,115. Raisch's bid was $78,864. Both were low by substantial margins.

Total Bids

For widening and paving Potrero avenue between Division street and Army street:

Union Paving Company	$164,115
Hanrahan Company	176,607
Eaton and Smith	177,734
Pacific States Construction Co.	184,540
A. J. Raisch	187,892
Fay Improvement Company	209,056

For widening and paving Harrison street between Fifth and Tenth streets:

A. J. Raisch	$ 78,864
Union Paving Company	91,592
Chas. L. Harney	94,604
Fay Improvement Co.	109,559

Only one bid was received on the third contract for which proposals were scheduled today, that of Mercer-Fraser Co., Eureka, at $66,824 to grade and surface 1.5 miles between southerly city limits and Wabash avenue in Eureka.

MODIFICATION OF CODE PETITIONED

The Construction Code Authority has applied to the National Recovery Administration for modification of the Construction Industry Code as follows:

Delete the provisions of Article IV A Section 2 (f) and substitute therefor the following:

"(f) It shall administer this Code in any branch of the Industry for which no Divisional Code Authority shall have been established; and, if in its opinion the policies of the Act require, it may recommend to the Administrator- that an additional chapter of this Code be established for any such Division of the Industry."

Plans Ordered for Fresno Auditorium; Reject S. Jose Bids

Revised plans for the San Jose municipal auditorium designed to bring the contract price within available funds are being prepared by Architects Binder & Curtis. The city council voted to reject all bids received June 25 and to readvertise the contract as soon as new plans could be prepared.

Total low bids on the building with electrical and mechanical equipment were $486,935. The city has available only $422,000 for the work, including bond money and a PWA grant.

The city of Fresno has directed Architect W. D. Coates, Jr., to proceed with preliminary plans for the $400,000 municipal auditorium in that city authorized by a bond issue last year.

The architects will prepare general plans to be submitted for the approval of the council and various civic organizations which sponsor events to be staged in the new auditorium. A building to accommodate gatherings of 3500 persons is planned. It is not planned to include a little theater building as was done in the San Jose auditorium.

Bids Invited On Two Contracts for U. S. Road Projects

Bids are to be opened July 26 by the U. S. Bureau of Public Roads, San Francisco, for grading 12.4 miles of Tioga road in Yosemite National Park. The contract includes 85 acres of clearing and 331,000 cubic yards of excavation. The work is located in Mariposa and Tuolumne counties.

The Bureau will open bids July 31 for subgrade reinforcement of Sections A, B, C, D and E, a length of 19.7 miles on the Douglas City-Peanut National Forest highway in Trinity county.

The contract includes placing 12,200 yards of select material and 30,500 tons crushed gravel.

REPAYMENT OF $614,000,000 TO PWA ESTIMATED

Return of 80% of Advances to Non-Federal Projects Forecast

About 80 per cent of the financing provided by the PWA for non-federal projects is represented by loans to be repaid to the government, according to a preliminary estimate made by Administrator Ickes. Of the $773,625,000 of PWA loans-and-grants for non-federal projects, used in making this estimate, $614,000,000 will be repaid, leaving a balance of $159,625,000 which would be the government's obligation on grants of 30 per cent of the cost of the 2,338 projects which will be constructed by states, counties, municipalities, and other public bodies. The Administrator considers these figures as tentative, but considers it to be the best forecast available at the present time to indicate the cost of non-federal public works construction to the federal government.

The present tendency for many cities to change from loan-and-grants to straight grants will have a tendency to change the percentage indicated by the present estimate. Almost 200 allotments have already been changed to grants of 30 percent, as municipalities are able to dispose of their bonds in the private market.

Allotments for grants have been made for 1,105 non-federal projects totaling $45,715,000. Loan-and-grant allotments totaling $455,897,000 have been made to local bodies for carrying forward construction of 1,233 non-federal projects.

DAVID H. WITMER HONORED BY A.I.A.

Architect David H. Witmer of Los Angeles has been elected a Fellow of the American Institute of Architects. Recognition of Architect Witmer's services to the profession was by a jury of which Paul A. Davis, III, of Philadelphia, was chairman. Mr. Witmer is director of the Sierra Nevada division of the A.I.A.

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MATERIAL BIDS REGULATED BY CODE ARTICLE 7

Administrator Concurs in Ruling of Construction Authority on Purchases

When competitive bids are taken on materials Article VII of Chapter I of the Construction Code applies to the transaction the same as the services. Article VII regulates competitive bidding practices.

This ruling was made by the Construction Code Authority in Interpretation No. 1, which has secured the required approval of the National Recovery Administrator. In the latter respect an Interpretation differed from an Explanation issued by the Construction Code Authority. Twenty Explanations have already been issued. These are rulings on which the opinion of the Code Authority is final, the decisions not being considered as vitally affecting the provisions of the codes, but having to do rather with their application. An Interpretation is defined as an exposition or answer to a problem as to the true meaning of code provisions as they stand, and to be effective it must be approved by the Administrator.

Interpretation No. 1 was the outcome of a query of the National Terra Cotta Manufacturers' Association "whether the purchase of terra cotta required in construction would be governed by the provisions of Article VII of Chapter I. It was stated that hand-made architectural terra cotta is always made especially for the particular project, and bids are always lump-sum bids. However, terra cotta manufacturers are bound by the provisions of the Terra Cotta Code, in which there is no provision to prevent them from cutting the original bidding price, while the buyer seemingly is bound by the provisions of the Construction Code as to conditions under which bids may be taken and the award made, including awarding at the original bidding price.

"Section 1 (a) of Article VII defines competitive bidding to include comaparable proposals to execute a specific program of work, furnish a definite service, or supply material specifically required for a particular project at a stipulated price, in view of this, the interpretation has been made that where a method of competitive bidding is adopted, the provisions of Article VII apply to the purchasing of material as well as to services.

"This interpretation is of considerable importance in clarifying the situation as to relations between members of the Construction Industry and other industries which supply it with material. It indicates that whenever competitive bids under the regulations of the Code are asked, the award must be made at the original bidding price, even though the seller may be under another code which permits him to cut his initial price. It results, practically, in extending the benefits of competitive bidding conditions to vendors where prices are obtained by competitive bidding. This interpretation should be considered along with the provisions of explanation No. 9, referring to furnishing quotations on standard products."

Steel Bookings In May 48% Over Total Year Ago

Although the bookings of fabricated structural steel during May were lower than the average monthly bookings during the past seven months, they were 48 per cent larger than bookings during the same month last year, according to reports to the American Institute of Steel Construction. May bookings were 35 per cent less than those of April (a record month this year), and 13 per cent less than the average monthly bookings during the first quarter of 1934.

COPPER WIRE NAIL STANDARD AFFIRMED

Simplified Practice Recommendation R150, covering copper wire nails, has been reaffirmed, without change, as of July 1, 1934, by the committee of the industry, according to an announcement by the division of simplified practice, of the National Bureau of Standards.

This recommendation, which was proposed and developed by the industry, and which concerns the length and gauge of common copper wire nails with flat heads, and copper wire slating nails, first became effective on December 1, 1933. This recommendation will be available in printed form in the near future, and will bear the index number R150-34.

JUNE BUILDING PERMITS IN S. F. TOTAL $597,051

Volume Remains at May Level Public Contracts Large Share of Work

San Francisco building permits for June totaled $597,051, approximately the same as the total of $613,417 for May. Permits were divided amount the several classifications in about the same proportions for the two months.

June permits a year ago totaled $1,069,118, including the permit for the new Bohemian Club building at $450,000. The past month's figures did not include any large permits.

Residential building as indicated by 16 permits for frame dwellings accounted for only $42,795 of the total Permits were issued for 336 alteration jobs to cost $217,314.

Virtually all of the remaining work was financed by public funds, including $274,450 for municipal contracts, principally public school reconstruction.

The comparative figures for June, 1934, and June, 1933, follow:

	June, 1934		June, 1933	
(A)	—	$—	1	$450,000
(C)	1	3,000	3	8,150
Alterations	336	217,314	475	273,919
Frames	16	42,795	65	236,205
Public	6	274,450	6	30,844
U. S. Govt.	4	45,742	1	3,000
Harbor	1	13,750	3	67,600
Total	364	597,051	544	1,069,118

DAM CONTRACTORS OPEN HEADQUARTERS

Columbia Construction Co., contractors for the main spillway dam at Bonneville, Oregon, has established headquarters in the Lewis Building, Portland. Columbia Construction Co. is composed of five of the six firms in Six Companies, Inc. They are: Morrison-Knudsen Co., Utah Construction Co., Henry J. Kaiser Co., W. A. Bechtel Co., MacDonald and Kahn.

Henry J. Kaiser is president and H. W. Morrison, vice-president. Directors are L. S. Corey, Allan MacDonald and K. K. Bechtel.

The engineer board is composed of J. G. Barlow, C. R. Shinn, Chad F. Calhoun, V. G. Hindmarsh and H. J. Lawler.

The company has been awarded a contract at $8,972,650 for construction of the dam.

Many California Construction Jobs Released by PWA Loans and Grants

Allocation of funds to twenty-nine Northern California projects, releasing several million dollars in proposed work, has been announced by Public Works Administration. Funds were allocated also to additional projects in Southern California which have been awaiting PWA approval.

Following is a summary of the new work for which money now is available:

Eureka, $1,124,000 loan and grant for municipal water system; loan is contingent upon pledge of general obligation bonds for security. A special election will be necessary to authorize the bonds. PWA having ruled that revenue bonds already voted would be unacceptable. Clyde C. Kennedy, San Francisco, consulting engineer.

Kern County, $300,000 loan and grant for Kern County Union High School district auditorium in Bakersfield. Special election will be called to vote bonds as security for loan. Architect Charles Biggar, Bakersfield.

San Mateo, $141,000 loan and grant for municipal sewer system improvements. Election necessary to authorize bond issue as loan security. E. P. Wilsey, City Engineer.

Fresno County, $115,000 grant toward construction of Hall of Records in Fresno. Bonds to $280,000 have been voted and will be offered for sale at once. Architect W. D. Coates, Fresno.

Fresno, $120,000 grant toward construction of Civic Auditorium. Bonds to $375,000 have been voted and city authorities have asked preliminary plans for building. Architect W. D. Coates, Fresno.

Fresno, $15,300 grant toward extension of storm sewers for which $35,000 in bonds have been voted. Commisioner of Public Works Jean L. Vincenz reports plans complete. Bids to be called as soon as bonds are sold.

Fresno County, $43,500 grant toward Coalinga Union High School science building and swimming pool. Bond issue of $150,000 authorized. Architect W. D. Coates, Fresno.

Madera County, $27,800 grant for Hospital. Bond issue of $75,000 has been authorized. Architect Ernest J. Kump, Fresno.

San Mateo County, $34,900, grant to San Mateo Union High School District toward $120,000 cost of strengthening buildings of San Mateo high school, Burlingame high school and San Mateo Applied Arts School. Plans completed. Harold Hammill, San Francisco, consulting engineer.

San Mateo County Harbor District, $403,000, loan and grant toward Redwood City harbor development. Bond election will be necessary to authorize security of loan. James S. James, county engineer.

Santa Clara Water Conservation District, $673,000, grant toward $2,683,000 project for construction of reservoirs and conduits to conserve and distribut flood waters. A bond issue of $2,000,000 has been authorized. Fred H. Tibbetts, San Francisco, chief engineer.

Petaluma, $325,000, loan and grant for construction of sewage disposal plant. Bond issue to secure loan will be necessary. L. H. Nishkian, San Francisco, consulting engineer.

Santa Rosa Junior College, $29-300 grant toward gymnasium building now under construction. Contractors Young & Horstmeyer, San Francisco.

Monterey, $24,400 grant toward improvement of city hall and other municipal buildings including jail addition, remodeling of Brown adobe, restoration of Colton hall, installation of heating system and landscaping. Architects W. O. Raigel and C. J. Ryland, Santa Cruz.

Modesto, $3000 grant for municipal corporation yard building.

Alameda County, $4,300 grant for Valle Visto school building.

Sacramento County, $24,700 and $4500 for construction of trestles. John J. Rooney, county engineer.

North Sacramento, $7,500 for sewage plant. Harry Jenks, Berkeley, consulting engineer.

Nevada County Irrigation District, $15,300 for extension of ditches Work is underway to total cost of $50,000.

Roseville, $55,000 grant to municipal water distribution system. Bids have been received on initial unit of proposed work, but award of contract is delayed pending negotiations for sale of bonds and purchase of existing privately-owned system. Baar & Cunningfham, Partland, consulting engineers.

Trinity County, $9,800 grant toward county office building alterations at Weaverville to cost $40,000. Architect Jens C. Petersen, Sacramento.

Madera County, $2,400 grant to school building addition at Chowchilla. Architect Howard Bissell, Stockton.

Oakland Port Commission, $151,000 grant toward construction of 1,300-foot extension to quay wall in outer harbor. Commission has funds on hand to complete work estimated at $540,000. Contract to be advertised shortly.

Burlingame, $147,000 loan and grant for sewer extensions and sewage treatment plant. Bond election will be called to vote security for loan. Project will be undertaken jointly with San Mateo which has received loan and grant of $141,000.

Coalinga, $6,100 grant toward sewage plant, construction under contract to Stroud Bros. & Seabrook.

Sutter county, $93,000 garnt toward improvement of various county roads.

Sonoma, $4,200 grant toward construction of outfall sewer.

In Southern California the largest allotments were: Long Beach, school additions, loan and grant, $402,700; building repairs, loan and grant, $27,000; school repairs, loan and grant, $10,200. San Bernardino, building, loan and grant, $350,000. Riverside, school grant, $14,000. Ontario, library building, loan and grant, $40,000. Brawley, sewers, loan and grant, $108,000.

HEATER MANUFACTURER ACQUIRES BERWYN CO.

Jas. P. March Corporation, 2073 Southport Avenue, Chicago, manufacturers of heating equipment and industrial instruments, announce the acquisition of the business of the Berwyn Regulator Company Berwyn, Illinois, manufacturers of the Tritrol Heat Regulator.

Production of the Tritrol line of regulators has been transferred to the Marsh plant at 2073 Southport Avenue, Chicago, and the sale of the product will be handled thru the regular Marsh sales organization, along with Marsh heating specialties and steam specialties.

Mr. Henry T. Kucera, inventor of the Tritrol Regulator, has been retained by Jas. P. Marsh Corporation in an engineering capacity.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
328	Sargent	Owner	4000
329	Kaprialian	Owner	1400
329	Brady	Malloch	5000
336	Smith	Bourdieu	1800
331	Lyon	Owner	3000
332	Reynolds	Early	2000
333	Carnellery	Owner	4500

ALTERATIONS
(328) 2235 LAKE ST.; alter dwelling.
Owner—Mrs. Helen M. Sargent, 2235 Lake Street.
Architect—Bliss & Fairweather, Balboa Building. $4000

ALTERATIONS
(329) 949 MARKET ST.; alter stores and lofts.
Owner—Sam Kaprialian, 165 Eddy St.
Engineer—Nishkian, 525 Market St. $1400

STORE
(329) NW LAWTON and 25th Ave.; one-story frame store.
Owner—Maude C. Brady, % contractor
Engineer—Safeway Stores, Inc.
Contractor—J. S. Malloch, 666 Mission Street. $5000

ALTERATIONS
(330) NO. 3016 SCOTT ST. Alter dwelling.
Owner—W. A. Smith, 1109 Balboa St., Burlingame.
Architect—Warren Perry, 280 California St., San Francisco.
Contractor—J. B. Bourdieu, 2625 20th St., San Francisco. $1800

DWELLING
(331) N CRAGMONT 268 E 12th Ave. Two-story and basement frame dwelling.
Owner—A. R. Lyon, 401 Phelan Bldg., San Francisco. $3000

ALTERATIONS
(332) NO. 345 NINTH ST. Alter light for industrial building.
Owner — Reynolds Metal Products Corp., Premises.
Architect—Not Given.
Contractor — Fred J. Early Jr., 369 Pine St., San Francisco. $2000

DWELLING
(333) NW HUDSON AND DONAHUE Sts. One-story frame dwelling and store.
Owner—Joseph Carnellery, 311 Visitacion Ave., Brisbane.
Architect—Not Given. $4500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
257	Doelker	Beckett	2200
258	Federal	Lindgren	87632
259	Lyon	Owner	3500
260	Mattke	Shapero	5000
261	Meyers	DeVelbiss	4000
262	Roth	Maurer	16580
263	Owl	Dunn	8000
264	Magruder	Dooley	4200
265	Syndicate	**Leekins**	**2750**
266	Dadone	Valente	1000

ALTERATIONS, ETC.
(257) 5443 BELGRAVE PLAVE, OAKLAND; alterations and addition & one-story garage.
Owner—F. L. Doekler, 5443 Belgrave
Architect—Not Given.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $2200

ALTERATIONS
(258) NW COR. 15th and Clay Sts., OAKLAND; alterations.
Owner—Federal Lank Bank of Berkeley.
Architect—Jas. W. Plachek, Mercantile Bank Bldg., Berkeley.
Contractor — Lindgren and Swinerton, 1723 Webster St., Oakland. $87,632

DWELLING
(259) NO. 19 VETERAN WAY, OAKLAND. Two-story 6-room dwlg.
Owner—C. D. Lyon, 6501 Buena Ventura Way, Oakland.
Architect—Not Given. $2500

DWELLING
(260) 440 GRIZZLY PEAK BLVD., BERKELEY; two-story five-room frame dwelling and garage.
Owner—A. R. Mattke, 1849 Arch St., Berkeley.
Architect—Not Given.
Contractor—S. M. Shapero, 1849 Arch St., Berkeley. $5000

REPAIRS & ADDITION
(261) 3801 LINWOOD AVE., OAKLAND; fire repairs and addition.
Owner—Miss C. C. Meyers.
Architect—Not Given.
Contractor—C. D. DeVelbiss, 354 Hobart St., Oakland. $4000

DWELLING
(262) NO. 96 PARNASSUS ROAD, BERKELEY. Two-1story and basement 12-room frame dwelling and garage.
Owner—Mrs. A. W. Roth, 668 Calmar St., Oakland.
Architect — Howard E. Burnett, 931 Hillcroft Circle, Oakland.
Contractor — Geo. J. Maurer Co., 50 York Drive, Piedmont. $16,580

ALTERATIONS
(263) NO. 3420-22 E-FOURTEENTH St., OAKLAND. Alterations.
Owner—The Owl Drug Co., 657 Mission St., San Francisco.
Architect—Not Given.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco. $8000

DWELLING
(264) NO. 5885 MORPETH AVENUE, OAKLAND. One-story 5-room dwelling.
Owner—Cora C. Magruder, 9 Croxton Ave., Oakland.
Architect—Not Given.
Contractor — Fred T. Dooley, 3936 Vale Ave., Oakland. $4200

DWELLING
(265) NO. 6018 VALLEY VIEW DR., OAKLAND. One-story 4-room dwelling and one-story garage.
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $2750

ALTERATIONS
(266) NO. 5048 DOVER ST., OAKLAND. Alterations.
Owner—E. Dadone, Premises.
Architect—Not Given.
Contractor—M. E. Valente, 5118 Clark St., Oakland. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

67	Ehrman	Ball	457
68	Pacific	Bernstein	470

ADDITION
(67) NO. 3730 WASHINGTON ST. To erect one lean to curved eaved greenhouse about 6 feet wide and 20 feet long, having electric soil heat or one pipe frame bench.
Owner—Emma B. Ehrman and Mrs. Alfred Ehrman.
Architect—Not Given.
Contractor—M. A. Ball.
Filed July 2, '34. Dated ——.
TOTAL COST, $457
Bond, $228.50. Surety, Associated Indemnity Corp., 332 Pine St. Forfeit, plans and specifications, none.

PAINTING
(68) NO. 444 BUSH ST. All work for tainting exterior window frames, sash, fire shutters, etc., of Telephone Company's building.
Owner — Pacific Telephone & Telegraph Co., Premises.
Architect—Not Given.
Contractor—Wm. Bernstein, Hearst Bldg., San Francisco.
Filed July 2, '34. Dated June 22, '34.
TOTAL COST, $470
Bond, $470. Surety, Pacific Indemnity Co. Limit, forfeit, none. Specifications only filed.

ALAMEDA COUNTY

46	De Martini	Armstrong	9995

RESI DENC
(46) LOT 27, Indian Glen, Oakland. All work for seven-room residence
Owner—Mr. and Mrs. Louis A. De Martini, 1175 Trestle Glen Road, Oakand.
Architect—Not Given.
Contractor — J. R. Armstrong, 1131 Fleet Road, Oakand.
Fled June 29, '34. Dated May 5, '34.

Foundation competed	$1200
Roof on	1200
Brown paster on	1200
When competed	1200
Usual 35 days	1200

TOTAL COST, $9995
Bond, $9995. Surety, Fidelty and Casuaty Co. of New York. Limit, 120 days. Forfeit, none. Plans and specifications fied.
NOTE—Contractor to accept 6-room reisdnece free of all encumbrances, located at 1175 Trestle Glen Road, Oakland, as payment for balance of contract.

SAN FRANCISCO UNDER $1000

ALTER dwelling, $400; 1019 Church St.; owner, F. S. Pyle, 1037 Church
SIGN, electric, $450; 816 Larkin St.; owner, Larkin Theatre, Premises contractor, Wonderlite Neon Co., 170 Otis St.
ALTER dwelling, $85; 912 Irving St.; owner, I. M. Cambridge, 4620 Irving St.; contractor, N. Hallstrom 34 Fountain.
ALTER flats, $200; 3553 Mission St.; owner, Rosenburg, 9 Bache St.; contractor, G. Cappeletti, 1020 Florida St.
SIGN, $20; Gore Market at Eddy St.; owner, Grays Clothing Co., Prem.; contractor, A. L. Laib, 1279 Eddy
ALTER hall, $450; 159 Church Street; owner, J. T. Quigley, 450 36th

Ave.; architect, A. W. Burgren, 30 Woodland St.

SIGN, electric, $150; 755 Eddy Street; owner, Bill Notis, Prem.; contractor, Wonderlite Neon Co., 170 Otis

GARAGE, $200; 501 Potrero Ave.; owner, J. Kambl and F. Doherty, 501 Potrero Ave.

ALTER store, $150; 1820 Irving St.; owner, Mr Hugh, 1820 Irving St.; contractor, J. Tollman, 49 Sielig

GARAGE, $200; 521 Capp St.; owner, Numan, 521 Capp St.; contractor, C. Greenberg, 3128 23rd.

ALTER dwelling, $200; 630 29th Ave.; owner, C. Nelson, 530 29th Ave.

SIGN, electric, $60; 2701 Lombard St. owntr, W. Altrez, Premises; contractor, Pioneer Elec. Co., 2128 Market St.

SIGN, electric, $50; 41 Lick Place; owntr, Lick Tavern, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.

ADD to dwelling, $8.00; 1419 Lincoln Way; owner, B. Hadden, Prem.

SIGN, electric, $75; 189 O'Farrell St.; owner, Golden Glow Brewing Co., 189 O'Farrell St.; contractor, Novelty Elec. Co., 66 Washburn St.

SIGN, electric, $150; 755 Grant Ave.; owner, Chan Ming Long, Prem.; contractor, Wonderlite Neon Co., 170 Otis St.

SIGN, electric, $100; 305 Kearny St.; owner, W. J. Stone, Prem.; contractor, American Elec. Co., 1740 Eddy St.

SIGN, electric, $100; 150 Ellis St.; owner, Sloppy Joes, 150 Ellis St.; contractor, Golden Gate Neon Co., 355 8th St.

ALTER dwelling and nursing home, $250; 3408 Clay St.; owner, E. McAvoy, Premises; contractor, M. J. Lyon, 916 Kearny St.

GARAGE, $150; 1952 McAllister St.; owner, J. Barcos, Premises; contractor, California Concrete Co.; 1632 Steiner St.

ALTER flats, $100; 844 Page St.; owner, J. C. Shristensen, 844 Page St.

SIGN, electric, $150; 801 Grant Ave.; owner, Yee Wo & Co., 801 Grant Ave.; contractor, Wonderlite Neon Co., 170 Otis St.

SIGN, electric, $150; SW Stanyan and Parnassus Ave.; owner, Samarkand Ice Cream Co., Prem.; contractor, Novelty Elec. Co., 66 Washburn St.

SIGN, electric, $250; 809 Market St.; owner, Joyce Millinery, 809 Market St.; contractor, Novelty Elec. Co., 66 Washburn St.

SIGN, electric, $75; 201 Jones St.; owner, Tattle Inn, Prem.; contractor, QRS Neon Corp., 690 Potrero Ave.

SIGN, electric, $150; 2665 Mission St.; owner, Fredericksberg Brewery, 2665 Mission St.; contractor, Golden Gate Neon Co., 355 8th St.

SIGN, electric, $125; 96 McAllister St.; owner, Federal Cafe, Prem.; contractor, Wonderlite Neon Co., 170 Otis St.

SIGN, wood, $40; 1401 Stockton St.; owner, Chanslor & Lyon Stores, Inc., Polk and Ellis; contractor, Robert Mood, 40 Genebern Way.

SIGN, electric, $400; 727 Geary Street; owner, O'Brien's Inn, 727 Geary; contractor, Golden Gate Neon, 355 8th St.

ADD to dwelling, $500; 532 Connecticut; owner, A. Pilerl, 532 Connecticut St.

SIGN, electric, $100; 2352 Mission St.; owner, Western Auto Supply Co., 2352 Mission St.; contractor, Novelty Elec. Sign Co., 66 Washburn.

SIGN, electric, $150; 20 Annie; owner, Dawn Club, 20 Annie; contractor, Apex Elec. Co., 363 Fell St.

ALTER store, $440; SW Baker and Sutter Sts.; owner, Mrs. Thornley 1553 33rd Ave.; contractor, Jack Callaghan, 1579 47th Ave.

SIGN, electric, $75; 500 California St.; owner, California Tavern, 500 California St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER dwelling, $250; 2614 19th; owner, D. Franco, 2614 19th; contractor, Victor Oliva, 2160 Bryant St.

ALTER store, $195; 755 Grant Avenue; owner, Chan Ning Song, 755 Grant Ave.; contractor, Jim Lee, 115 Waverly Place.

SIGN, electric, $100; 1316 Laguna St.; owner, Price Right Grocery, 1316 Laguna St.; contractor, Apex Elec. Co., 363 Fell St.

SIGN, wood, $60; 1401 Stockton St.; tor, Robert Wood, 40 Genebern. owner, Chanslor & Lyon Stores, Inc., Polk and Ellis Sts.; contrac-

ALTER office and warehouse, $200; 231 Franklin St.; owner, American Art Tile Co., 231 Franklin St.

SIGN, electric, $100; 20 Sacramento; owner, Alameda Cafe, 20 Sacramento; contractor, Laib, 7th and Folsom Sts.

ALTER dwelling, $400; 1940 Scott St.; owner, H. M. Rehfisch, 1940 Scott; contractor, W. O. Purdy, 2068 Divisadero St.

ALTER private garage, $150.00; 253 States; owner C. Penny, 255 States

ALTER dwelling, $175; 624 Carolina; owner, G. Pollizzi, 624 Carolina.

SHOP, $50; 2481 Lombard St. (rear); owner, S. Tirco, 2477 Lombard St.

ALTER dwelling, $150; SE Nelson and Keith Sts.; owner, C. Perez, Palo Alto; contractor, Joe Yrigoyer, 1746 McKinnon St.

ALTER press room, $250; 300 Broadway; owner, Independent Press Room, Premises; contractor, S. A. Giusti & Co., 200 Green St.

ALTER dwelling, $457; 3730 Washington St.; owner, Alfred Ehrman, Premises; contractor, M. A. Ball, 580 Market Street.

ALTER restaurant, $475; 130 Leidsdoroff St.; owner, C. Baedassai, 3342 Scott St.; contractor, Royal Showcase Co., 770 McAllister St.

ALTER store, $10; 2399 San Bruno Ave.; owner, J. Camilleri, Prem.

ALTER store, $200; 2201 Fillmore St.; owner, B. Cassell, 300 16th Ave.; contractor, Royal Showcase Co., 770 McAllister St.

ALTER dwelling, $500; NW Brussels and Woolsey Sts.; owner, Ernest Crescio, 850 Woolsey St.; contractor, E. L. Peterson, 79 Mt. Vernon

ALTER dwelling, $700; 277 Juanita Way; owner, J. H. Briel, Premises

ALAMEDA COUNTY UNDER $1000

SIGN, cloth, $1.00; 360 9th St., Oakland; owner and contractor, C. L. Fee, 360 9th St., Oakland.

SIGN, electric, $100; 6632 Telegraph Ave., Oakland; owner, First and Last Chance Liquor Store; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

SIGN, electric, $100; 4401 Piedmont Ave., Oakland; owner, Bud Voight; contractor, Radiant Neon Display, 2561 San Pablo Ave., Oakland.

SIGN, electric, $77; 2973 Hopkins St., Oakland; owner ,Bills Buffet; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

SIGN, electric, $15; 578 13th St., Oakland; owner, McDonough; contractor, Radiant Neon Display, 2561 San Pablo Ave., Oakland.

ALTER and repair, $350; 651 57th St., Oakland; owner and contractor, P. F. Curran, 628 57th St., Oakland.

GARAGE, 1-story, and repairs, $74; 1705 96th Ave., Oakland; owner & builder, Pete Laronde, 1541 96th Ave., Oakland.

ADDITION, $200; 707 E 24th Street, Oakland; owner and builder, O. E. Gripp, 707 E. 24th St., Oakland.

SIGN, electric, $10; 412 13th Street, Oakland; owner, Examiner; contractor, Imp. Elec. Sign Co., 2228 Myrtle St., Oakland.

ALTER and repair, $250; 1808 15th St. Oakland; owner and contractor, J. Serpa, 1808 15th St., Oakland.

ALTERATIONS, $50; 536 Union St., Oakland; owner and contractor, Anna M. Alverez, 536 Union St., Oakland.

FRUIT STAND, 1-story, $100; 1027 E. 8th St., Oakland; owner, George Angelasko, 425 2nd St., Oakland; contractor, A. E. Waldman, 2823 Birdsall Ave., Oakland.

FIRE repairs, $800; 561 Kenwyn Rd., Oakland; owner, Dr. A. R. Reinke; contractor, C. D. DeVelbiss, 354 Hobart St., Oakland.

ALTERATIONS, $70; 2343 Broadway, Oakland; owner, J. E. French Co., 2343 Broadway.

ADDITION, $250; 1600 47th Avenue, Oakland; owner, G. B. Asquith, Premises; contractor, W. Merritt, 1926 47th Avenue.

GARAGE, one-story, $45; 4228 Masterson St., Oakland; owner, Bertha Herrick, Premises.

BILLBOARD, $200; NW Hopkins and Midvale Ave., Oakland; owner, Special Site Sign Co., 3225 Louise Street.

SIGNS (3) cloth, $14; 8158-17 Webster St., Oakland; owner, Kow Young, Premises.

SIGN, electric, $95; 348 Grand Ave., Oakland; owner, E. S. Boyce; contractor, Radiant Neon Display, 2561 San Pablo Ave.

ALTERATIONS & addition, $800 5270 Foothill Blvd., Oakland; owner, Foothill Sportsmen Club, 5310 Ft. Blvd.

FIRE repairs, $400; 1722 8th Ave., Oakland; owner, Mrs. Sara J. Young, 1720 8th Ave.

SIGN, cloth, $5; 826 Harrison Street, Oakland; owner, Wong Yeen, 826 Harrison St.

BILLBOARD, $75; NW Alcatraz and Telegraph Aves., Oakland; owner, D. Ghirardelli Co., 900 North Point St., San Francisco.

SIGN, electric, $100 SE 106th Ave. and Foothill Blvd., Oakland; owner, Hollywood Inn; contractor, R. E. Selden, 597 19th St.

SIGN, electric, $190; 101-A E-12th St., Oakland; owner, Kooloolian; contractor, Radiant Neon Display, 2561 San Pablo Ave.

BILLBOARD, $75; SW 30th and Grove Sts.; owner, Foster & Kleiser, 22nd and Market Sts.

ALTERATIONS and addition, $285; 2715 Regent St., Berkeley; owner, F. C. Hutchinson, 2715 Regent St.

ALTERATIONS, $100; 2572 Virginia, Berkeley; owner, Mason McDuffie

ALTER for garage, $144; 653 51st St., Oakland; owner, E. J. Gae; contractor, M. E. Valente, 5118 Clark St., Oakland.

ALTERATIONS, $50; 1256 E 12th St., Oakland; owner and contractor, L. M. Baird, 2501 Ivy Drive, Oakland.

RESHINGLE, $50; 5627 Vicente St., Oakland; owner and contractor, A. Coso, 5627 Vicente St., Oakland.

ALTERATIONS, $990; 5048 Dover St., Oakland; owner, E. Dadone; contractor, M. E. Valente, 5118 Clarke St., Oakland.

SHED, 1-story, $50; 3024 Coolidge Ave. Oakland; owner and builder, F. J.

ADD to garage, $120; 3609 Emerson St., Oakland; owner, A. Johnson, Premises.

ALTERATIONS, $150; 7407 Foothill Blvd., Oakland; owner, Chris Miller, Premises.

SIGN, electric, $125; 3208 San Leandro Blvd., Oakland; owner, Villa Hotel; contractor, Ace Electric Sign Co., 1243 E-12th St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Plans Being Revised.

ALTER APARTMENTS Cost, $——
SAN FRANCISCO. Folsom and 12th Streets (1629 Folsom St.)
Alterations to three-story frame and stucco apartment building (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St., San Francisco.

On previous bid opening lowest bid was submitted by Moore & Madsen, 557 Market St., at $13,730.

Planned.

APARTMENTS Cost, $30,000
STOCKTON, San Joaquin Co., Cal. No. 347 E. Park Street.
Three-story brick apartment.
Owner—K. and L. Lewkowitz, Auditorium Apartments, Stockton.
Architect—Not Given.
Contractor—Louis Peletz, 1660 West Acacia St., Stockton.

2— BONDS

BONDS SOLD

SANTA ANA, Orange Co., Calif.—Orange county supervisors sold the $275,000 Anaheim Union High School District bond issue to the Security-First National Bank of Los Angeles. The bonds brought a premium of $716 and will carry interest at the rate of 3¾%.

3— CHURCHES

Plans Being Figured.

RECTORY Cost, $——
VALLEJO, Solano Co., Calif. Sacramento St., bet. Florida and Kentucky Streets.
Two-story and basement frame and brick veneer rectory (18 rooms); steam heating system, slate or composition shingle roofing, etc.
Owner — Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.

Building will be occupied by the St. Vincents Ferrer Church (Rev. Father Butler, Rector), Vallejo.

Bids are being received from a selected list of contractors.

PLANNED

SANGER, Fresno Co., Calif.—Saint Paul's Lutheran congregation is contemplating construction of a new church building, 32x60 feet, in Sanger. Will be a frame and stucco structure. Building committee includes Rev. W. O. Zahlis, Peter Scharton, J. G. Spomer and Chris Grass.

4 — FACTORIES & WAREHOUSES

Contract Awarded.

EXTEND SHED Cont. Price, $13,750
SAN FRANCISCO. Pier No. 42.
140 foot extension to pier shed on Pier No. 42 (timber construction, composition roofing).
Owner — State of California (Harbor Board), Ferry Bldg., San Francisco.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Contractor — Meyer Constr. Co., 727 Portola Drive, San Francisco.
Complete bids follow:
Meyer Constr. Co., S. F.....$13,750
E. T. Lesure, Oakland..... 15,814
Frank J. Reilly, San Francisco.. 15,871
Leo Epp, San Francisco..... 17,732

PLANNED

UPLAND, San Bernardino Co., Cal.—Clyde Jones, Upland, will supervise the erection of an office building on the southeast corner of A Street and Fourth Avenue, Upland, for the Upland Lemon Growers' Assn. Work will be handled by day labor and subcontract. The building will be 28x80 ft. in area, one-story, frame and stucco construction, steel sash, composition roofing, etc. The erection of a packing plant is contemplated for the near future, plans for which are being completed by Architect W. W. Ache, 1616 4th Ave., Los Angeles. The plant will be an L-shaped structure, 318x245 and 100x111 feet in area, concrete walls, composition roofing, concrete floors, steel sash, concrete basement, receiving, washing and packing facilities, etc.

Sub-Contracts Awarded.

EXTEND SHED Cont. Price, $13,750
SAN FRANCISCO. Pier No. 42.
140 foot extension to pier shed on Pier No. 42 (timber construction, composition roofing).
Owner — State of California (Harbor Board), Ferry Bldg., San Francisco.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Contractor — Meyer Constr. Co., 727 Portola Drive, San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Truss Iron — Star Ornamental Iron Works, 1271 Folsom St.
Glass—W. P. Fuller & Co., 301 Mission St.

Other portions of the work will be done by day's labor.

Planned

WINERY Cost, $65,000
RIVERBANK, San Joaquin Co., Calif.
One-story concrete or brick winery.
Owner — Riverbank Canning Co. (Lorenzo Zorillo, owner) Riverbank.
Architect—Not Selected.
Contractor—J. A. Allen, 22 S. Sutter St., Stockton.

Construction Under Way.

REMODEL CANNERY Cost, $10,000
RIVERBANK, San Joaquin Co., Calif.
Remodel cannery (general improvement, overhaul machinery, etc.)
Owner — Riverbank Canning Co. (Lorenzo Zorillo, owner) Riverbank.
Plans by Mr. Allen.
Contractor—J. A. Allen, 22 S. Sutter St., Stockton.

Contract Awarded

STORAGE BLDG. Cost, $10,000
SAN FRANCISCO. SE 18th and Minnesota Streets.
Two-story frame and galvanized iron storage building (150x50 feet) five ply roof, etc.
Owner—California Canneries.
Engineers—Ellison & Russell, Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.

CONTRACT AWARDED

OAKLAND, Cal.—Otis Elevator Co., 1 Beach St., San Francisco, at $5640 awarded contract by City of Oakland Port Commission for furnishing and installing electric freight elevator for Terminal Building "E", Outer Harbor, Oakland.

Plans Being Prepared.

TRUCK TERMINAL Cost, $35,000
FRESNO, Fresno Co., Cal. Golden State Highway.
One-story truck terminal (125x150 ft.) will contain storage rooms, loading and unloading platforms, offices, lockers, sleeping facilities, etc.
Owner—Not Given.
Architect—W. D. Coates, Rowell Bldg. Fresno.

Bids will be asked shortly.

CONTRACT AWARDED

OAKLAND, Alameda Co., Cal.—Ne Page-McKenny Co., 7 Front St., San Francisco, at $4662 awarded contract by City of Oakland Port Commission for furnishing wiring and equipment for light and power for Terminal Building "E", Outer Harbor, Oakland.

Complete bids published June 28.

FIRE LOSS

STOCKTON, San Joaquin Co., Cal.—Fire Destroyed the following buildings in the industrial area of Stockton July 2:

Stockton Lumber Company, C. G. Bird, president, lumber valued at $100,000, two large lumber trucks, freight car loaded with valuable lumber, office building, warehouse, machinery, tools, records and other equipment.

Foy Sand and Gravel Company, gravel bunkers.

Delta warehouse No. 2, leased by the Schuler-O'Connell Grain Company and containing approximately 7500 tons of barley and wheat. Total loss to building and contents valued at $150,000.

P. G. & E. Company, gas storage containers sprung and paint scaled off side facing fire.

National Ice & Cold Storage Company, roof damaged.

Prasher Building, Center St., roof damaged.

Fraser Furnace Company, roof on warehouse damaged.

Shed on Santa Fe Railroad property north of freight sheds, destroyed.

Low Bidder

WAREHOUSE Cost, $——
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse (concrete work, steel sash, etc.)
Owner—Edward J. Neil.
Architect—Dodge Riedy, Pacific Bldg.
Low Bidder—Barrett & Hilp, 819 Harrison Street.

BIDS WANTED

SARATOGA GAP, Santa Cruz Co., Cal.—Until July 16, 2 P. M., bids will be received by Department of Public Works, Division of Highways, 211 State Bldg., San Francisco, for the erection of maintenance station build-

ings at Saratoga Gap. Work consists of one standard truck shelter (valley type, 30x80 feet) one standard gasoline and oil house, one loading platform, one septic tank and leaching field, one pump house with pump and water pressure system. Work comprises excavation, concrete and masonry, carpentry, mill work, sheet metal, painting, glazing, plumbing and electrical installations. Plans and specifications may be obtained from the above office upon deposit of $25.00.

Contract Awarded
TRUCK TERMINAL Cost, $35,000
FRESNO, Fresno Co., Calif. Golden State Highway.
One-story truck terminal (125x150 ft.) will contain storage rooms, loading and unloading platforms, offices, lockers, sleeping facilities.
Owner—Not Given.
Architect—W. D. Coates, Rowell Bldg. Fresno.
Contractor—C. J. McTntyre, 774 Elizabeth St., Fresno.

BIDS WANTED
OAKLAND, Cal.—Until July 16, 4:30 P. M., bids will be received by City of Oakland Port Commission, for furnishing and installing eighteen steel rolling doors for Terminal Building "E", Outer Harbor, Oakland. Specifications may be obtained from above office upon deposit of $10.

Plans Being Prepared.
IMPROVEMENTS Cost, $——
SAN FRANCISCO. Fourth and Channel Streets.
Construct new fire wall, partition work, plastering, etc. In Grocery Terminal Building.
Owner—Southern Pacific Company.
Plans by Engineering Dept. of Owner. Work will probably be done by day's labor by owner's own forces.

FIRE LOSS
OAKLAND, Cal.—Fire destroyed the plant of the Western Scenic Studio at 1196 32nd St., Oakland. Damage estimated at $85,000. L. A. Abrott, is the proprietor.

GRANT APPROVED
MODESTO, Stanislaus Co., Cal.—Public Works Administration approved grant of $3000 to City of Modesto. Funds are to be used to assist in financing construction of a corporation yard unit at Eighth and L Streets. Estimated cost of work is $9000.

CONTRFACT AWARDED
HUNTINGTON BEACH, Orange Co., Cal.—Fluor Constr. Co., Box 128, Station K. Los Angeles, awarded contract for erection of the O. C. Field No. 4 absorption plant at 20th and Acacia Sts., Huntington Beach. Six new compressors of 200 horsepower each will be installed. Cost, $50,000.

CONTRACT AWARDED
COALINGA, Fresno Co., Cal.—D. A. Loomis, 676 Salem St., Glendale, at $5,528 awarded contract by Department of Public Works, Division of Highways, for the construction of maintenance station buildings in Coalinga. Buildings consist of one standard truck shelter (valley type) 30x60 feet; one standard gasoline line and oil house and one standard (small size) septic tank and leaching field; 1180 lin. ft. of fence and electrical service connections. Work includes excavation, concrete and masonry work, carpentry, mill work, sheet metal, painting, glazing, plumbing and electrical installations.

6— GARAGES & SERVICE STATIONS

Planned
SERVICE STATION Cost, $10 000
SAN FRANCISCO. Forest Hill Dist.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner Proposed work is in a very preliminary stage.

Plans Being Prepared
SERVICE STATION Cost, $10 000
SACRAMENTO, Sacramento Co., Cal. Ninth and N Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner Bids will be taken in ten days.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
PALO ALTO, Santa Clara Co., Cal. No. 2490 El Camino Real.
Alterations to garage (new front, etc.)
Owner—Stanford University, Palo Alto
Architect—Not Given.

Plans Being Completed
SERVICE STATION Cost, $10,000
STOCKTON, San Joaquin Co., Calif. California and Oak Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner Bids will be asked in about 1 week.

Contract Awarded
GARAGE Cost, $5,000
SACRAMENTO, Sacramento Co., Cal. 908 Sonoma Way.
One-story garage building.
Owner—Mrs. Evelyn Fossett.
Architect—Not Given
Contractor—C. H. Thompson, 1908 N St., Sacramento.

Plumbing Contract Awarded
ALTER GARAGE Cost, $50,000
SAN FRANCISCO. 17th, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Regents of the University of California, Berkeley.
Architect—Miller & Pfiueger, 580 Market Street.
Lessee—Pacific Greyhound Lines, Inc., 9 Main Street.
Contractor—George P. W. Jensen, 320 Market Street.
Plumbing—Wm. J. Forster Sons, Ltd. 355 Fourth Street.
As previously reported concrete contract awarded to Mission Concrete Co., 270 Turk St.; grading to Devincenzi Bros., 150 Collins St.; electric to De Latour Electric Co., 320 Peoria St.; structural steel to Judson-Pacific Co., 609 Mission Street.
(4589) 1st report May 29; 4th, June 22, 1934.

Plans Being Completed.
ALTERATIONS Cost, $5000
SAN FRANCISCO. Main and Mission Streets.
Alterations and additions to service station (add one steel building, etc.)
Owner—Standard Oil Co., 225 Bush St. San Francisco.
Plans by Engineering Dept. of Owner. Bids will be asked within one week.

Contract Awarded.
SERVICE STATION Cost, $——
STOCKTON, San Joaquin Co., Cal. NW Miner Ave. and Wilson Way.
Steel service station.
Owner—Standard Oil Co., California Bldg., Stockton.
Plans by Engineering Dept. of Owner.
Contractor—S. C. Giles, 121 West Knowles Way, Stockton, and Independent Iron Works, 121 Pine St., Oakland.

7—FEDERAL BUILDING

LOW BIDDERS
STOCKTON, San Joaquin Co., Cal.—George Ames, 408 Howard Avenue, Burlingame, at $1,544 submitted low bid to Treasury Dept., for painting the plaster in U. S. post office, Stockton. Following are the three low blds: bids:
George Ames, Burlingame.....$1,544
D. Zelinsky, San Francisco..... 1,895
Patterson Bros., Oakland..... 2,315
Complete bids will be given shortly.

CONTRACT AWARDED
SHERIDAN, Wyo.—Flour City Ornamental Iron Co., Minneapolis, Minn., awadred contract by Veterans' Administration at $17,833 for wire guard grilles for the Veterans' Administration Facility at Sheridan.

LOW BIDDER
SAN DIEGO, Cal.—Gill Electric Co., 1227 Fourth Ave., San Diego, submitted the low bid to the 11th Naval District June 28, at $2325, for services to final assembly shop at the Naval Operating Base (Air Station), San Diego, Spec. 771I. Recommendation was made that the contract be awarded to the low bidder.

LOW BIDDER
OAKLAND, Cal.—Higgins Awning & Linoleum Co., 2335 Broadway, Oakland, at $4749 submitted low bid to the Traasury Department for linoleum floor covering for the U. S. Post Office and Cupstomhouse at Oakland. Complete bids will be published shortly.

BIDS OPENED
ALCARTAZ, Cal.—Fred J. Early, 369 Pine St., San Francisco, at $14,478 submitted low bid to Warden, Alcatraz Island, for alterations to Building No. 64, at Alcatraz Island. Complete bids follow:
(1) Work complete.
(2) For three quarters, complete, 64 N-1 to 3 inclusive.
(3) For four quarters, complete, 64-N to N-7, inclusive.
(4) For three quarters, complete, 64-M-1, 64-L-1 and 64-L-2.

Fred J. Early, S. F.	(1)	$24,478
	(2)	4,777
	(3)	5,680
	(4)	4,705
Frank J. Reilly, S. F.	(1)	15,181
	(2)	4,550
	(3)	5,900
	(4)	4,731

Bids held under advisement.

BIDS WANTED
POMONA, Los Angeles Co., Cal.—Until July 18, 2 P. M., bids will be received by Treasury Dept., Procurement Division, Washington, D. C., for painting plaster, etc., in the U. S. post office at Pomona.
Specifications may be obtained from above office or from the Custodian of the building in Pomona.

BIDS WANTED
PORTLAND, Ore.—Until July 18, 2 P. M., bids will be received by the Treasury Dept., Procurement Division Public Works Branch, Washington, D. C., for lobby screen changes in the U. S. Court House, etc., at Portland.
Specifications may be obtained from above office or from the Custodian of the building at Portland.

BIDS OPENED
SAN LUIS, Arizona.—B. F. Mosely, Yuma, at $827.75 submitted low bid to Treasury Department for painting

the plaster in the U. S. Inspection Station at San Luis. Complete bids follow:
B. F. Moseley, Yuma ..... $ 827.75
J. B. Worthington, San Diego.. 1,140.00
Binns & Son, Yuma 2,170.00

COMPLETE BIDS
SALT LAKE CITY, Utah.—As previously reported, Patterson Brothers, 2059 Webster St., Oakland, Cal., at $3740 submitted low bid to Treasury Department, Washington, D. C., for painting plaster, etc., in the U. S. Post Office at Salt Lake City.
Complete bids follow:
Patterson Bros., Oakland, Cal.....$3,744
Guiry Bros. Wallpaper Co., Denver, Colo. 4,984
J. J. Burke & Co., Salt Lake City 5,077
A. M. Gelden Co., Chicago..... 5,761
L. C. Cooper, Salt Lake City..... 5,700
Bloomquist Dec. Co., S. L. C..... 7,306
Goodwin Bros., Salt Lake City..... 6,856
Campbell Const. Co., S. L. C..... 8,567
All bids held under advisement.

COMPLETE BID LISTING
BOISE, Ida.—As previously reported, Thomas L. Dawson Co., Kansas City, Mo., at $24,500 submitted low bid to Veterans' Administration, Washington, D. C., for extension of steam distribution system at the Veterans' Administration Facility, Boise.
Complete bids follow:
T. L. Dawson Co., Kansas City..$24,500
Industrial Heating & Engr. Co., Milwaukee, Wis. 28,230
Lessenger Plbg. & Htg. Co., Boise 29,926
Hayden - Long Plbg. Co., Salt Lake City 29,949
J. O. Jordan & Son, Boise..... 32,593
H. C. Hastrof, Portland, Ore..... 40,977

COMPLETE BID LISTING
STOCKTON, San Joaquin Co., Cal.—As previously reported, Geo. Ames, 408 Howard Ave., Burlingame, at $1,544 submitted low bid to the Treasury Department for painting the plaster in the U. S. Post Office, Stockton.
Complete bids follow:
Geo. Ames, Burlingame.....$1,544
D. Zelinsky & Sons, S. F..... 1,895
Patterson Bros., Oakland..... 2,315
Cramer Bros., S. F..... 2,630
Raphael Co., S. F..... 3,540
J. F. Ecker, Stockton 3,707

BIDS WANTED
CARLSBAD, N. M.—Until July 26, 3 P. M., bids will be received by the Treasury Dept., Procurement Division Public Works Branch, Washington, D. C., for the construction of the U. S. post office at Carlsbad. Plans and specifications may be obtained from above office upon deposit of $15.00.
(4516) 1st report May 17; 4th, May 29, 1934.

CONTRACT AWARDED.
COLFAX, Washington.—Tom Restvedt, Colfax, Wash., at $980 awarded contract by Treasury Department for new concrete sidewalks, etc., for the U. S. Post Office, Colfax, Wash.

CONTRACT AWARDED.
YUMA, Arizona.—Aeroshade Co. at $322 awarded contract by Post Office Department for furnishing blinds and shades for the U. S. Post Office, Yuma, Arizona.

LOW BIDDERS.
YUMA, Arizona.—York Ice Machinery Corp., 5051 Santa Fe Ave., Los Angeles, submitted low bid to Treasury Department at $22,990, for air conditioning at the United States post office in Yuma. Cooling and Air Conditioning Corp., Los Angeles, submitted the second low bid at $24,800.

LOW BIDDER.
SAWTELLE, Los Angeles Co., Calif.—De Camp-Hudson Co., 1277 W. 24th St., Los Angeles, submitted low bid to Veteran's Administration, at $10,592 (item 1), for alterations and revisions to mess hall building No. 13, Veteran's Administration Facility, Sawtelle. The work will include rebuilding the entire ceiling of the structure, installation of asphalt tile and quarry tile floors, and revisions to plumbing system, electrical system, and painting. De Camp-Hudson Company's bids on alternates were: (A) $5350; (B) $2220; (C) $740.

COMPLETE BIDS
SUMAS, Wash.—P. J. Voss, Sumas, Washington, at $497.50 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster in the U. S. Post Office, Sumas, Wash.
Complete bids follow:
P. J. Voss, Sumas, Wash.....$497.50
Apex Painting and Decorating Co., Seattle 498.00
West Coast Painting Co., Seattle 602.00
Haggen & Hogberg Paint & Wallpaper Co., Bellinghan.. 694.68
Bids held under advisement.

CONTRACT AWARDED.
SAN FRANCISCO, Calif.—Federal Equipment Co. at $292 awarded contract by Post Office Department for furniture for the San Francisco Post Office.

PROSPECTIVE BIDDERS
GALLUP, New Mexico—Following have procured plans for the purpose of submitting bids to the Treasury Department on July 10 for insect screens in the U. S. Post Office, Gallup, New Mexico:
Cincinnati Fly Screen Co., Evans & West Sts., Cincinnati, Ohio.
W. J. Baker Co., Inc., Newport, Ky.
Morrison-Skinner Co., Wakefield, Mass.
Kane Mfg. Co., Kane, Pa.
Watson Mfg. Co., Jamestown, N. Y.
Ceco Weatherstrip & Screen Co., 1926 S. 52nd St., Chicago.
Corry Metal Corp., Corry, Pa.
Johnson Metal Products Co., 2539 Benna Ave., N. W., Washington, D. C.
Higgin Mfg. Co., Newport, Ky.
The Borrows Co., Portland, Me.
Robbins Mfg. Co., 1801 N. Central Park Ave., Chicago.
Chamberlain Metal Weatherstrip Co. Brooklyn and La Brosse Sts., Detroit, Michigan.
Bates-Carpenter Co., 604 Mission St., San Francisco.
Western Wire & Iron Works, 947 W. 18th Place, Chicago.
Acme Screen Co., P. O. Box 1537, Dallas, Texas.
Norquist Products, Inc., Jamestown, N. Y.
Agee Screen Co., Fort Worth, Texas.
Orange Screen Co., Maplewood, New Jersey.
The W. F. Jackson Co., Denrike Bldg., Washington, D. C.

TO ASK SITE BIDS
LOS ANGELES, Cal.—Treasury Department will advertise for bids, probably this week, for a site in the vicinity of the union terminal on which to erect the proposed new Los Angeles working Post Office Building. An appropriation of $2,900,000 for purchase of the land and the erection of the building was made by the government last week. Bids are also to be asked immediately for sites on which to erect the Huntington Park and South Gate Post Offices.

LOW BIDDERS
PORTLAND, Ore.—D. Zelinsky, 165 Grove St., San Francisco, at $11,780 submitted low bid to Treasury Dept. for painting plaster, etc., at the U. S. Court House, etc., at Portland. Complete bids will be published shortly.

CONTRACT AWARDED
SAWTELLE, Los Angeles Co., Cal. Chas. J. Dorfman, 143 N. La Brae Ave., Los Angeles, awarded contract by Veterans' Administration at $18,585 for alterations and revisions to mess hall building No. 13, Veterans' Administration Facility, Sawtelle. The award was made on Dorfman's base bid of $10,979 and alternates A, B, and C, which totaled $7606. The work will include rebuilding the entire ceiling of the structure, installation of asphalt tile and quarry tile floors, and revisions to plumbing system, electrical system and painting.

BIDS WANTED
VALLEJO, Solano Co., Calif.—Until August 1, 12 Noon, bids will be received by Custodian, Vallejo Post Office, for two aluminum hand rails for the U. S. post office at Vallejo. Specifications may be obtained from the Custodian.

TO ASK SITE BIDS
GRANTS PASS, Oregon—Treasury Department will ask bids shortly for the purchase of a site for the proposed new Federal Building to be constructed in Grants Pass, Oregon. Further details will be announced shortly.

8— CLUB BUILDINGS

PLANNED
SANTA BARBARA, Calif.—Eagles Lodge, Santa Barbara, contemplated erecting a new lodge building on a site at the corner of St. Vincent Ave. and Carrillo St., Santa Barbara, owned by the organization. The building committee is composed of Edison A. Smith, John Rae, Ed. F. Williams, Chas. Herzberg and Ora Romp.

9— HOSPITALS

CONTRACTS AWARDED
SAN FRANCISCO — Chamberlain Metal Weatherstrip Co., 695 Post St., San Francisco, at $122.85 awarded contract by the Treasury Department for furnishing and installing vertical sliding half screens (aluminum) at the U. S. Marine Hospital, 14th Ave. and Lake Streets, San Francisco.

Contract Awarded
WOMEN'S BLDG. Cont. Price, $48,600
SACRAMENTO, Sacramento Co., Cal. County Hospital Grounds.
One - story and basement reinf. concrete addition to women's dormitory at County Hospital.
Owner—County of Sacramento.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—Azevedo & Sarmento, 920 O Street, Sacramento.
(2836) 1st report Oct. 17, 1933; 9th. June 22, 1934.

Grant Approved
HOSPITAL AND ALMHOUSE Cost, $70,000
MADERA, Madera Co., Cal.
Construct hospital and almshouse.
Owner—County of Madera.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
PWA has approved grant in amount of $27,800 to the County of Madera to assist in financing construction.

PLANNED
VISALIA, Tulare Co., Calif.—Tulare County is considering the erection of an isolation ward bldg. at the County Hospital to house from 10 to 22 patients. Estimated cost, including the equipment, is $25,000. Further details will be announced shortly.

PREPARING PLANS.

SANTA BARBARA, Calif.—Architect Keith Lockard, 117 E. De la Guerra, Santa Barbara, has prepared preliminary plans and specifications for the proposed clinic to be erected at the Santa Barbara county hospital. The building will contain a reception room, administration offices and ten treatment rooms. Cost $12,000. The construction of a 30-room building on the hospital site for tubercular children is also proposed.

Plans Completed

ALTER HOSPITAL Cost, $6,000
MARYSVILLE, Yuba Co., Calif.
Alterations to men's ward in Yuba Co. Hospital.
Owner—County of Yuba.
Architect—Charles Dean, California State Life Bldg., Sacramento.
Bids will be asked within one week.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Plans To Be Prepared

AUDITORIUM Cost, $400,000
FRESNO, Fresno Co., Calif. Fresno Street.
Two - story concrete municipal auditorium (to seat 2000; stage, dressing rooms, etc.)
Owner—City of Fresno.
Architects—W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz and E. W. Peterson, Fresno.
Bonds in the amount of $375,000 were voted December 19, 1933, to finance construction.

Bids Rejected—Plans To Be Revised.

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc.; (seating capacity of 3800; smaller auditorium to seat 1,000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder and Curtis, 35 West San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
Plans will be revised and new bids asked shortly. Following are low bidders on bid opening June 25.
General contract, Chas. Thomas, 127 Clayton Avenue, San Jose, $342,895; plumbing, Scott Co., 243 Minna St., San Francisco, $12,767; sprinkler system, J. H. Pinkerton, 927 Howard St., San Francisco, $4923; electric, Roy M. Butcher, 1020 Sherwood Avenue, San Jose, $22,060; mechanical, Carpenter & Mendenhall, 907 Front St., Sacramento, $53,830.

Grant Approved

AUDITORIUM Cost, $400,000
FRESNO, Fresno Co., Cal. Fresno St.
Two - story concrete municipal auditorium (to seat 2000; stage, dressing rooms, etc.)
Owner—City of Fresno.
Architects—W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz and E. W. Peterson, Fresno.
Consulting Architects—Chas. Butner & Edward Glass, 175 N. Fulton St., Fresno.
PWA has approved grant in amount of $120,000 to the city of Fresno to assist in financing construction.

GRANT APPROVED

MONTEREY, Monterey Co., Calif.—Federal Public Works Administration has approved a grant of $24,400 to the City of Monterey for improvements on city buildings. Work to be undertaken includes addition to jail, remodeling of Brown adobe, installation of heating system, and restoration of Colton Hall, including plastering, painting, etc. W. O. Raiguel ad C. J. Ryland, Hotel Del Monte, Monterey, architects.

Grant Approved

ALTERATIONS Cost, $40,000
WEAVERVILLE, Trinity Co., Calif.
Alterations and additions to present two - story brick court house and construction of two-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)
Owner—County of Trinity.
Architect—Jens C. Petersen, 826 26th Street, Sacramento.
PWA has approved grant in amount of $9,800 to the County of Trinity to assist in financing construction.

Prospective Bidders

COURTHOUSE Cost, $143,000
VISALIA, Tulare Co., Calif.
Four - story reinforced concrete addition to present structure (50x100) (steam heating plant, steel sash, elevator, dampproofing, granite, exterior plaster, metal studs, vaults, phones, hardwood trim, insulation, composition roof etc.)
Owner—County of Tulare.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.
Following have procured plans. Bids close July 12, 10 A. M.:
Dinwiddie Const. Co., Crocker Bldg, San Francisco.
Frank J. Reilly, 6350 Fulton Street, San Francisco.
Stroud Bros. & Seabrook, Union Avenue at Subway, Bakersfield.
W. J. Ochs, American Trust Bldg., San Jose.
Plans and specifications are available from the architect upon deposit of $25.00.
This project is financed in part by PWA funds and contractors are subject to PWA regulations.

BIDS WANTED

OAKLAND, Cal. — Until July 12, 9 P. M., bids will be received by Oakland City Council for boiler tubes for the Municipal Auditorium, Oakland. (4824)

14— RESIDENCES

Sub-Contracts Awarded

RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Oakmore Road.
One - story and basement frame and stucco residence (6 rooms) Spanish style.
Owner and Builder—Leo J. Dolan, 770 Wesley Ave., Oakland.
Architect—Not Given.
Sheet Metal, Furnace—California Furnace Co., 4801 E 14th St., Oakland
Brick—C. M. Goodell, 2636 Minna Ave. Oakland.
Wood Sash—Hogan Lumber Co., 2nd and Alice Sts., Oakland.
Roofing — Camisa Bros., 1217 Central Ave., Alameda.
Steel Sash — Michel and Pfeffer Iron Works, Inc., 10th and Harrison, San Francisco.
As previously reported lumber contract awarded to Hogan Lumber Co., 2nd and Alice Sts., Oakland.

Contract Awarded

RESIDENCE Cost, $25,000
KENTFIELD, Marin Co., Calif.
Two-story frame and stucco residence (10 rooms and 3 baths) 2-car garage, gas oil heating system, colored tile baths, steel sash, etc.
Owner—Mr. Huber.
Architect—H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—A. Cederborg, 1455 Excelsior, Oakland.

Low Bidder.

RESIDENCE Cost, $5994
OAKLAND, Alameda Co., Calif. Alvarado Avenue.
Two-story frame and stucco residence (6 rooms), Spanish type; tile roof, gas heating system, hardwood floors, etc.
Owner—C. M. Tompkins, Berkeley.
Architect — John Hudson Thomas, 31 Norwood Avenue, Berkeley.
Low Bidder—C. O. Bradhoff, 911 55th St., Oakland.

Plans Completed.

ALTER RESIDENCE Cost, $5000
SAN FRANCISCO. No. 2235 Lake St.
Alterations to residence.
Owner—Mrs. Helen M. Sargent, 2235 Lake St., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Plans Being Prepared.

RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Arlington Avenue.
One-story and basement frame and stucco residence (5 rooms and 1 bath); shingle roof, gas heating system, hardwood floors.
Owner—Withheld.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Bids will be asked in one week.

BIDS WANTED

SAN FRANCISCO, Calif.—Party desires bids from a reliable contractor for alterations to a residence, who will take a lot as part payment. Call West 5048 after 6 P. M.

Sub-Bids Being Taken.

RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Calif. Piedmont Pines.
One - story and basement frame and stucco residence (6 rooms) Monterey type, shingle roof, steel sash, gas hot air heating system, hardwood floors, etc.
Owner—Not Given.
Architect—Paul V. Tuttle, 3839 Randolph Ave., Oakland.
Contractor—Geo. F. Fox, 3906 Fruitvale Ave., Oakland.
Sub-bids are wanted on all portions of the work.

CONTRACTS AWARDED

SANTA BARBARA, Cal.—C. J. Kenyon, 21 E. De la Guerra, Santa Barbara, awarded contracts for erecting the following buildings in Santa Barbara: six-room residence on Alameda Padre Serra for Mrs. Mattie Ashcraft; two-story, concrete and stucco building on the Geo. F. Steedman estate, Valley Road, Montecito; 5-room beach cottage at Sandyland for Edward J. Sykes. Cost of the three structures will total $25,000. Floyd Brewster, 889 Mission Cayon Road, Santa Barbara, is the architect for the Steedman bldg. and Chester L. Carjola, 99 San Ysidro Lane, Santa Barbara, is the architect for the Sykes cottage.

Plans Being Figured—Bids Close July 15.

RESIDENCE Cost, $——
TIBURON, Marin Co., Cal. Corinthian Island.
Two-story and basement frame and stucco residence (8 rooms and 3 baths), social hall and bar; shake roof, hot air heating system, hardwoor floors, tiler baths, etc.
Owner—Mrs. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Bids are being received from a se-

lected list of contractors and architect is now interviewing material men, sub-contractors or general contractors.

Contract Awarded
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. 7806 Normal Street.
One - story and basement frame and stucco residence.
Owner—Sam Malkas, 806 University Ave., Fresno.
Architect—Not Given
Contractor—Dwight W. Doss, 260 N. Sierra St., Fresno.

Contract Awarded
RESIDENCE Cost, $6500
FRESNO, Fresno Co., Cal. 6211 Carmen Street.
Owner—C. A. Rowe.
Architect—Not Given
Contractor—W. T. Harris, 577 McKinley St., Fresno.

To Be Done By Day's Work.
ALTER RESIDENCE Cost, $5000
SAN FRANCISCO. 2235 Lake Street.
Alterations to residence.
Owner—Mrs. Helen M. Sargent, 2235 Lake Street.
Architect—Bliss & Fairweather, Balboa Bldg.

Construction Postponed Indefinitely
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and stucco residence (10 rooms and 5 baths).
Owner—Thomas Driscoll, 444 California St., San Francisco.
Architect—L. P. Hobart, Crocker Bldg. San Francisco.

Contract Awarded
RESIDENCE Cost, $9995
OAKLAND, Alameda Co., Calif. Indian Glen.
Two-story frame and stucco residence (7 rooms).
Owner—Louis A. De Martini, 1175 Trestle Glen Road, Oakland.
Architect—Not Given
Contractor — J. R. Armstrong, 1131 Fleet Road, Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $4,000
OAKLAND, Alameda Co., Cal. 19 Veteran Way.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—C. D. Lynn, 6501 Buena Ventura Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 6018 Valley View Drive.
One-story and basement frame and stucco residence (4 rooms, separate garage).
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 5885 Morpeth Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—Cora C. Magruder, 9 Croxton Avenue, Oakland.
Architect—Not Given.
Contractor—Fred T. Dooley, 3936 Vale Ave., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $5,150
PIEDMONT, Alameda Co., Calif. 1092 Park Lane.
Two-story frame and stucco residence (English type) 7 rooms.
Owner and Builder—Moritz A. Rose, 2448 Sacramento St., Berkeley.
Architect—Not Given.
Lumber, Mill Work, Sash and Doors—Hogan Lumber Co., 2nd and Alice Sts. Oakland.
Concrete—Norman McLeod, 1163 Wellington St., Oakland.
Tile—Henry Koenig, 4418 Ygnacio Ave. Oakland.
Electric Fixtures—Maxwell Hardware Co., 1320 Washington St., Oakland.
Plastering — Sam Solomonson, 3233 Kansas St., Oakland.
Sheet Metal—F. A. Kurtz, 364 41st St., Oakland.

Contract Awarded.
ALTERATIONS Cast, $——
ATHERTON, San Mateo Co., Cal.
Alterations and additions to residence (add room, general overhauling, change entrance, add bath, add garage, etc.)
Owner — Mr. and Mrs. Laurance H. Dorsey.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Arthur Payne, 219 Jeter St., Redwood City.

Plans Being Figured.
RESIDENCE Cost, $——
BURLINGAME, San Mateo Co., Cal.
Two-story frame and stucco residence
Owner—Mr. Gardiner.
Architect—W. F. C. Gillam, 1470 Broadway, Burlingame.
Lengfeld & Olund, 220 Thind Ave., San Mateo, are figuring the plans and desire sub-bids on all portions of the work.

Contract Awarded
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Calif. 440 Grizzly Peak Blvd.
Two-story frame and stucco residence (5 rooms).
Owner—G. R. Mattke, 1849 Arch St.
Architect—Not Given
Contractor—S. M. Shapero, 1849 Arch St., Berkeley.

Plans Being Prepared
OFFICE BLDG. Cost, $230,000
VANCOUVER, Washington.
Two-story brick and frame building (50x60 ft.) to house offices, plant and terminal equipment, operators' rooms, etc.
Owner—Pacific Telephone and Telegraph Company.
Architect—A. H. Albertson, Wilson & Richardson, Northern Life Tower, Seattle.
Bids will be asked about August 1.

Contract Awarded
STORE Cost, $5000
SAN FRANCISCO. NW Lawton St. and 25th Ave.
One-story frame and stucco store bldg.
Owner—Maude C. Brady.
Plans by Engr. Dept. of Lessee.
Lessee—Safeway Stores, Inc.
Contractor—J. S. Malloch, 666 Mission.

BIDS WANTED
ROSEBURG, Ore.—Until July 12, 9 A. M., bids will be received by Oregon State Highway Commission, Public Service Bldg., Portland, for constructing one frame office building, 32x50 ft., and one frame storage building, 32x96 ft., for division headquarters and maintenance patrol station, Roseburg.
Plans and specifications may be obtained from Room 322, State Office Bldg., Salem, upon deposit of $5.00.

15— SCHOOLS

LOW BIDDER
BEVERLY HILLS, Los Angeles Co., Cal.—Consolidated Steel Corp., Slauson and Eastern Aves., Los Angeles, submitted low bid to Beverly Hills Board of Education, at $53,516, for furnishing structural steel for strengthening the Beverly Vista and El Rodeo Schools. Holmes & Narver, Stock Exchange Bldg., Los Angeles, are the structural engineers for the work. Gable & Wyant, 3723 Wilshire Blvd., Los Angeles, are the architects for the Beverly Vista School and W. Asa Hudson, Rydell Bldg., Beverly Hills, is the architect for the El Rodeo School.

CONTRACTS AWARDED
LONG BEACH, Los Angeles Co., Cal.—Lynch-Cannon Engineering Co., 5658 Wilshire Blvd., Los Angeles, awarded contract by Long Beach Board of Education at $63,800 for construction of the English Building at the Long Beach Junior College site, located at Carson and Clark Aves., Long Beach. Coast Electric Co., 2350 Cedar Ave., Long Beach, was awarded the electric wiring at $8300, and E. Willardson, 2407 Schisel Terrace, Los Angeles, was awarded the contract for the plumbing, heating and ventilating at $6485. Plans were prepared by Structural Engineers J. H. Davies and C. D. Wailes, Jr., Ocean Center Bldg., and Architect Kirtland Cutter, Farmers & Merchants Bank Bldg., Long Beach. Construction will be frame and stucco, tile and composition roof, concrete and maple floors, etc.

CONTRACTS AWARDED
EL MONTE, Los Angeles Co., Cal.—Steed Brothers, 5 S. Stoneman Ave., Alhambra, awarded general contract by El Monte Union High School District for repairs to El Monte High School buildings. Steed Brothers' bid foor the entire job (six units) was $30,940. Other contracts were awarded as follows: Painting to Chris Heinsbergen, Jr., 2324 W. Tenth St., Los Angeles; plastering to Paul Watkins, 413 Washington Ave., El Monte; electrical work to Ross Herbert, 313 Brockway Ave., El Monte. Heating bids will be taken later. Plans were prepared by Architect C. K. Denman, 422 Washington Bldg., Los Angeles. The program includes the evacuation of 11 classrooms in the administration building; removal of the third story and the art stone on front of the administration building; the erection of eight to ten permanent fire-resistant frame and stucco buildings, etc.

CONTRACT AWARDED
SAN FRANCISCO—Lee Dixon, 18 Eureka St., at $1862 awarded contract by Department of Public Works, for interior painting of the Hancock School, Filbert Street, between Taylor and Jones Streets.

Bids Opened.
REPAIR SCHOOL Cost, $40,000
SAN FRANCISCO. N McAllister St. bet. Franklin and Gough Streets.
Repair John Swett School.
Owner—City and County of San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Low Bidder—William Spivock, Hobart Bldg., San Francisco.
Complete bids follow:

William Spivock	$37,559
Harry Oser	37,727
DeLuca & Son	37,939
F. C. Amoroso & Sons	39,467
H. L. Petersen	39,800
Monson Bros.	39,800
San Francisco Constr. Co.	40,802
A. H. Vogt Co.	43,347
C. L. Wold	46,647

Bids held under advisement.

PREPARING PLANS
LOS ANGELES, Calif.—Los Angeles board of education has authorized the architectural division of the board; A.

S. Nibecker, Jr., architect, to prepare both architectural and engineering plans and specifications for reconstruction, rehabilitation and strengthening the main building, Dominguez school. Cost, $40,000.

PREPARING PLANS

LOS ANGELES, Calif.—Los Angeles board of education has authorized the architectural division of the board; A. S. Nibecker, Jr., architect, to perform the necessary architectural work for preparation of plans and specifications for reconstruction of South Unit, Virgil Junior high school. C. J. Derrick is the structural engineer. Cost, $44,-

CONTRACTS AWARDED

SALINAS, Monterey Co., Cal.—Byron-Jackson Pump Co., Carleton and Sixth Sts., Berkeley, at $2,245.14 was awarded contract for equipment, and Anderson - Dougherty - Hargis Co., 225 Main St., Salinas, at $3,573.19 was awarded contract for pipe, valves and fittings for an electric pumping plant and pressure tank on the Salinas Union High School grounds, South Main St., Salinas. Following bids received:

EQUIPMENT
(Including test of well)

Byron Jackson Co., Berkeley....$2,245.14
Farmers Merc. Co., Salinas..... 2,274.65
(using Fairbanks Forse equip.)
*Phillips Htg. & Plbg. Co., Salinas 2,244.25
John Bean Mfg Co., S. F..... 2,292.25
Central Hdwe Co., Salinas..... 2,320.64
*Bid did not inclue test of well.

PIPE AND VALVES, ETC.

Anderson - Dougherty - Hargis Co., Salinas $3,573.19
Farmers Merc. Co., Salinas.... 4,121.77
Phillips Htg. & Plbg. Co., Salinas 5,862.84
Contract on fittings awarded on footage basis. *

PLANNED

YREKA, Cal.—The City of Yreka plans the construction of a new city water system. Street Superintendent Edgar Thomas has been instructed to begin construction in the near future

BIDS OPENED

FRESNO, Fresno Co., Cal.—Identical bids at $3245.85 wer received by the Fresno City Council, June 28, for furnishing one deep well turbine pump unit, and motor, complete, to be installed at Water Department Station No. 7, Huntington and Raisina Sts., from the following:

Wintroath Pump Co., Fresno.
Johnson Pump Co., Fresno.
Sterling Pump Co., Stockton.
Byron Jackson Pump Co., Berkeley.
Pomona Pump Co., Pomona.
Kinball Krogh Pump Co., Fresno.
Peerless Bean Pump Co., Fresno.
Fairbanks Morse Co., Fresno.

All bids held under advisement by Jean L. Vincenz, Commissioner of Public Works, Fresno.

CONTRACT AWARDED

ALAMEDA, Cal.—Harry Knight, 1435 Harrison St., Oakland, at $835 awarded contract by Alameda School District for removing walls, windows and doors on the south side of machine shop rooms in the Alameda High School Science Building. Car. Werner, 1303 Bay St., Alameda, Architect.

PLANS APPROVED

LONG BEACH, Calif.—Long Beach Board of Education has approved working drawings for repairs to the 4-story office building on Locust Ave. near 7th St., Long Beach. Plans were prepared by Architect Earl R. Bobbe, 315 Heartwell Building, Long Beach Work will consist of new reinforced concrete exterior walls, gunite work, replacing the partitions on the first and second floors, tile work in toilets, marble work, ventilating sys., acoustical treatment, etc. Cost, $40,000.

BIDS WANTED

LODI, San Joaquin Co., Calif.—Until July 10, 8 P. M., bids will be received by T. C. Bender, Clerk, Lodi Elementary School District, for reshingling the roof of Lincoln School, Lodi. Specifications may be obtained from Supt.'s Office, Needham School, Lodi. Bids were previously reported to be opened June 23. *

Contract Awarded

SCHOOL Cont. Price, $14,500
FORT JONES, Siskiyou Co., Calif.
One-story wood frame grammar school building (3 classrooms).
Owner—Fort Jones Union Elementary School District (W. D. Mathews, President).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—Albert Young, Yreka.
Construction will start immediately.

Bonds Defeated.

REPAIR SCHOOL Cost, $20,000
CARMEL, Monterey Co., Cal.
Repairs and reconstruction of school building (work includes reinforcing, concrete work, structural steel and carpentry).
Owner—Sunset School Dist., Carmel.
Engineer—Erle L. Cope, 111 Sutter St., San Francisco.
Bonds in the amount of $20,000 were defeated on June 26.

Contract Awarded

LOCKER ROOM Cont. Price, $12,503
SAN MATEO, San Mateo Co., Calif.
High School Site.
One-story frame and stucco locker and shower room (55 by 81.6 feet); composition roofing.
Owner—San Mateo Union High School District (W. H. Eddy, Clerk).
Architect — William Toepke, 74 New Montgomery St., San Francisco.
Contractor—J. Looman, 125 Park Rd., Burlingame.
Complete bids published June 26.

Sub-Contracts Awarded.

SCHOOL Cont. Price, $41,140
WOODBRIDGE, San Joaquin Co., Cal.
Two-story brick elementary school building (six classrooms) tile roof, steam heating system, wood floors.
Owner—Woodbridge Elementary School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Contractor—John J. Cavanagh, 219 N. Sutter St., Stockton.
Heating—Harvey Holland, 1715 P St., Sacramento.
Electric — Eddy Electric Co., 309 E. Weber St., Stockton.
Mill Work — Electric Planing Mill, Hazelton and Monroe Sts., Stockton.
Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.
Ornamental Iron — American Sheet Metal Works, 1528 E. Main Street, Stockton.
Roofing — Bush Roofing Co., 1912 K St., Sacramento.
Sheet Metal—American Sheet Metal Works, 1528 E. Main St., Stockton
Glass and Glazing — Electric Planing Mill, Hazelton and Monroe Streets Stockton.
Lumber—Lodi Lumber Co., Lodi.
Window Shades — Turner Co., 557 Market St., San Francisco.

Plans Being Completed.

IMP. SCHOOL Cost, $100,000
PALO ALTO, Santa Clara Co., Cal.
Reconstruction and repairs to Palo Alto High School (work includes entire reconstruction of auditorium of reinforced concrete construction, repairs and improvements to Administrative unit of frame construction).
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Plans will be completed within one week.

Being Done By Day's Work.

REPAIR SCHOOL Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
Repairs and reconstruction of Mayfield School.
Owner—Palo Alto School District.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Work is being done by day's work under the SERA.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary architectural plans for reconstructing and repairing the main building at the Glassell Park school site, 2211 W. Avenue 30 and has authorized Ellis W. Taylor, engineer and Edward C. Taylor, architect, 803 W. 3r dSt., to proceed with the preparation of working drawings. Cost. $50,400.

Preliminary architectural and engineering plans also approved for reconstructing and strengthening the main building at the Orange Street school site, corner of Eshelman Ave. and Orange St., and has authorized S. B. Barnes, structural engineer, 803 W. 3rd St. and C. F. Skilling, architect, 1008 W. Adams Blvd., to proceed with preparation of working drawings. Cost, $42 336.

Preliminary architectural and engineering plans approved for strengthening and reconstructing the main brick building at the 20th St. school, 1353 E. 20th St. and has authorized Structural Engineer Harold P. King and Architect Lyle Nelson Barcume, 5369 Wilshire Blvd., to proceed with working drawings. Cost, $39,343.

Preliminary architectural and engineering plans approved for reconstructing the practical arts annex building, power plant, swimming pool and gymnasium buildings at the Huntington Park High School site, 6020 Miles Ave. Huntington Park, and has authorized Architect Geo. M. Lindsey, 6305 Yucca St., and Structural Engineer Murray Erick, to proceed with working drawings. Cost, $184,480.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Architect E. T. Heitschmidt, 807 Subway Terminal Bldg., has been commissioned by the Los Angeles board of education to prepare plans and specifications for a new six-unit building replacement at the Palms school. Cost, $40,320. Mr. Heitschmidt was previously authorized to prepare engineering and architectural plans for reconstructing north and south wings at the Palms school.

PLANS COMPLETED

COMPTON, Los Angeles Co., Cal.—Architects John C. Austin and Fredric M. Ashley, 608 Chamber of Commerce Bldg., have completed working drawings for a new administration and auditorium building to be built at the Compton junior college for the Compton Union high school and junior college district. Will be a two-story, reinforced concrete structure, concrete slab roof, tile and composition roofing, etc. Salvage materials will be used where possible. The plans will be sent to the state architect for check this week.

CONTRACT AWARDED

PASADENA, Cal.—R. Westscott Co. 536 S. Broadway, Pasadena, awarded contract by Pasadena board of education at $80,500 for reinforcing and altering the Jackson elementary school, Pasadena. Marston and Maybury, 25 South Euclid Ave., Pasadena, architects. Work will consist of new reinforced concrete work, gunite work, plastering, painting, heating, tile floors etc.

STEEL CONTRACT AWARDED

BEVERLY HILLS, Los Angeles Co., Cal.—Consolidated Steel Corp., Slauson and Eastern Avenues, Los Angeles, awarded contract by the Beverly Hills board of education at $53,516 for furnishing the structural steel for strengthening the Beverly Vista and El Rodeo schools. Holmes & Narver, Stock Exchange Bldg., Los Angeles, are the structural engineers for the work. Gable & Wyant, 3723 Wilshire Blvd., Los Angeles, are the architects for the Beverly Vista school and W. Asa Hudson, Rydell Bldg., Beverly Hills, is the architect for the El Rodeo school.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Architect Armand Monaco, 306 Pershing Square Bldg., to proceed with the preparation of working drawings for reconstruction of administratian and auditorium buildings at the Gage Ave. school; also for a new building to be erected on the same site. Cost, $54,-003 and $39,212, respectively.

LOW BIDDER

PASADENA, Cal.—R. Westcott Co., 536 S. Broadway, Pasadena, submitted low bid to the Pasadena board of education at $80,500 for reinforcing and altering Jackson Elementary school. Plans were prepared by Architects Marston & Maybury, 25 S. Euclid Avenue, Pasadena.

BID CALL WITHDRAWN

DELANO, Kern Co., Calif.—Delano High School District withdrew the call for bids, scheduled for opening June 23, for the erection of a music hall unit at Delano high school. The district will apply for SERA aid and will advertise for materials only at a later date. Edwin J. Symmes, architect, Haberfelde Bldg., Bakersfield.

BIDS WANTED

LOS ANGELES, Cal.—Until 11:30 A. M., July 19, bids will be received by the Los Angeles board of education for the reconstruction, rehabilitation and strengthening of the 75th Street school, located on 75th St., west of Main St. Plans and specifications may be obtained from the architectural division of the board, 1425 South San Pedro St., upon deposit of $25. Certified or cashier's check for 5% must accompany each bid. H. E. Griffin, acting secretary; A. S. Nibecker, Jr., architect; Blaine Noico, structural engineer. Cost, $91,800.

BIDS WANTED

TORANCE, Los Anbeles Cal.—Until 11:30 A. M., July 18, bids will be received by the Los Angeles Board of Education for reconstructing, rehabilitating and strengthening the main building at Torrance Elementary School, located at Martina and 220th Sts., Torarnce. Estimated cost of the work is $74,241. Samuel E. Lunden, 400 Rowan Bldg., Los Angeles, architect; R. McC Beanfield, 615 Chamber of Commerce Bldg., Los Angeles, structural engineer.

BIDS WANTED

TORRANCE, Los Angeles Co., Cal.—Until 11:30 A. M., July 18, bids will be received by the Los Angeles Board of Education for reconstruction, rehabilitation and strengthening the Torrance High School, located at Carson St. and El Prado, Torrance. Plans and specifications may be obtained at the architectural division of the board, 1425 S. San Pedro St., Los Angeles, upon deposit of $25. Certified or cashier's check for 5 per cent must accompany each bid. H. E. Griffin, acting secretary. Wm. Richards and Wesley Eager, 802 Architects' Bldg., architects; R. McC Beanfield, Chamber of Commerce Bldg., structural engineer. Cost, $128,099.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and authorized C. J. Derrick, structural engineer, 501 Architects' Bldg., and the architectural division of the board, A. S. Nibecker, Jr., architect, to proceed with working drawings for repairing, strengthening and rehabilitation brick building at Rowan Avenue school, 600 S. Rowan Ave. Cost, $90,125.

BIDS WANTED

OAKLAND, Cal.—Until July 13, 3 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, for the construction of ninety temporary classroom buildings for the Oakland Board of Education. W. G. Corlett, Bank of America Bldg., Oakland, architect.

The work is to be let under seven contracts as follows:

1. Eighty-first Ave. and Olive St., 12 buildings at Webster school.
2. Nineteenth Ave. and E. 19th St., 27 buildings at Roosevelt High school.
3. Thorn Road and Mountain Blvd., 5 buildings at Montclair school; Monticello and Fleming Avenues, 3 buildings at Maxwell Park school; 103rd Ave. & Bigereau St., 3 buildings at Stonehurst school.
4. Tenth and Union Sts., 16 buildings at Cole school.
5. Burckhalter and Sunnymere Aves. five buildings at Burckhalter school; Thermal Ave. and Scott St., 4 buildings at Toler Heights school; Tompkins Ave. and Buell St., 2 buildings at John Swett school.
6. Longridge and Sunnyhills Road, five buildings at Crocker Highlands school.
7. Lincoln Ave. and Scenic St., 8 buildings at Sequoia school.

Plans and specifications are available from the office of the architect on deposit of $25 for each contract.

Sub-Contracts To Be Awarded

REPAIR SCHOOL Cost, $40,000
SAN FRANCISCO. N McAllister St. bet. Franklin and Gough Streets.
Repair John Swett School.
Owner—City and County of San Francisco.
Engineer—H. J. Brunnier, Sharon Building.
Low Bidder—William Spivock, Hobart Building.

Following sub - contracts submitted with low bidder's general bid:

Wrecking and Cutting—Emsco Concrete Cutting Corp., 260 Clementina St., $2,367.
Structural Steel and Stack—California Steel Products Co., 490 Bay Street, $3,750.
Miscellaneous and Ornamental Iron—Monarch Iron Works, 262 7th St., $324.
Gunite—California Gunite Co., Pier No. 35, $1,495.
Reinforcing Steel Welding—L. Schaffer & Co., 366 10th St., $1.00 per lin. ft.
Sheet Metal—General Sheet Met'l W'ks 1529 Pine St., $669.
Electric—Fred. Johnson Electric Co., 3365 Army St., $588.
Plumbing—Thomas Skelley, 1344 9th Ave., $98.
Blackboards and Cork—Rucker-Fuller Co., 539 Market St., $876.
Roofing—Alta Electric Co., 467 O'Farrell St., $46.
Mill Work—J. L. Sage, 319 Bayshore Blvd., $85.00 M. ft.
Steel Sash—Michel & Pfeffer Iron Works, 10th and Harrison Streets, $1,000.

Bids Wanted—To Close July 23, 8 P.M.

SCHOOL Cost, $15,000
FORESTVILLE, Sonoma Co., Calif.
One-story frame and stucco grammar school (3 classrooms and auditorium to seat 200, kitchen, etc.)
Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

Segregated bids are being taken as follows:

1. Carpentry, rough and finish.
2. Lumber and mill work.
3. Sheet metal work.
4. Plumbing.
5. Roofing.
6. Lathing and plastering.
7. Patent window hardware.
8. Finish hardware.
9. Glass and glazing.
10. Painting.
11. Window shades.
12. Blackboards.
13. Celotex material.
14. Electric wiring.

(15. Heating: (a) electricity or, (b) hot air, (c) steam.

Plans and specifications may be obtained from the architect or from C. E. Widdoes, Clerk of the Board of Trustees of the District upon deposit of $10.00.

BONDS FOR SALE

TAHOE CITY, Placer Co., Calif.—Lake Tahoe City School District will sell bonds in the amount of $15,000 on July 3. Funds are to finance construction of a new grammar school building in Tahoe City.

(4264) 1st report April 16; 2nd, May 18, 1934.

Sub-Contracts Awarded

ADDITION Cont. Price, $1907
GILROY, Santa Clara Co., Calif.
Frame structure around present boiler for high school.
Owner — Gilroy Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—John Riksheim, 95 North Dowdy St., Gilroy.
Electric—Hollenback Electric Works, Gilroy.
Roofing—L. Price, 445 N. Monterey St., Gilroy.
Painting—C. O. Lindell, 238 N. Monterey St., Gilroy.
Plastering—John Derste, 253 S. Eigjeberry St., Gilroy.
Lumber—Gilroy Lumber Co., Gilroy.

(4427) 1st report May 5; 3rd, June 2, 1934.

Contract Awarded

ADDITIONS Cont. Price, $9980
ALAMEDA, Alameda Co., Cal. Central Avenue anl Oak Street.
Reinforced concrete and steel shop building addition to Alameda High School.
Owner—Alameda High School District
Architect—Carl Werner, 1303 Bay St., Alameda.
Contractor — W. G. Thornally, 2059 Webster St., Oakland.

(4623) 1st report June 14; 3rd, June 28, 1934.

BIDS WANTED

ALBANY, Alameda Co., Cal.—Until July 17, 8 P. M., bids will be received by Josephine M. Foley, Secretary, Albany High School District, for construction of a reinf. concrete basement up to first floor line with concrete floor slabs and temporary roof, interior of basement to be finished. Estimated cost, $12,000. Plans and specifications may be obtained from above office or from the architects, Dragon & Schmidts, 3016 Telegraph Ave., Berkeley, upon deposit of $20.00. (4598) 1st report May 31; 2nd, June 21, 1934.

Contract Awarded

ADDITION Cont. Price, $15,746

SANTA ROSA, Sonoma Co., Cal. High School.

One - story reinforced concrete addition to high school shop (67 x 100 feet) steel trusses, concrete floors.

Owner—Santa Rosa High School Dist. Sara A. Pryor, Secretary).

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contractor—Louis Halvorsen, 128 Dutton Ave., Santa Rosa.

Following bids received:

(1) for one additional room, add;

(2) adding one door, add.

Louis Halvorsen, Santa Rosa...$15,746
.....(1) 320
.....(2) 55

Young & Horstmeyer, S. F.....$17,347
.....(1) 347
.....(2) 33

DeLuca & Son, Inc., S. F.....$17,412

Plans Being Completed.

ADDITION Cost, $6000

TAFT, Kern Co., Cal.

Addition to gymnasium in high school (frame construction).

Owner—Taft High School District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Plans will be completed in about ten days.

COMMISSIONED TO PREPARE PLANS.

LOS ANGELES, Calif.—Architect Walter Webber, 627 S. Carondelet St., has commissioned by Los Angeles board of education to prepare engineering and architecrutal working drawings and specifications, including preliminary drawings, analyses, structural design computations end estimates of cost, for reconstruction, rehabilitating and strenghtening the following buildings at the Lincoln high school, located at 3625 N. Broadway: Main building, English hall, power plant, library building and music hall. Cost $226,800.

BIDS WANTED

COMPTON, Los Angeles Co., Calif. —Until 2 p. m., July 17, bids will be received by the Board of Public Building Reconstruction at 601 S. Acacia St., Compton, for the erection of a women's gymnasium building on the Compton Junior College site. Bids will be taken as follows: (1) general work; (2) plumbing and heating; (3) electrical work. The building will be a frame and plaster structure with cement floor, showers, lockers, etc. cost $25,000. John C. Austin and Frederic M. Ashley, architects, 608 Chamber of Commerce Building, Los Angeles.

BIDS WANTED

SANTA ANA, Orange Co., Calif.—Until 11 a. m., July 17, bids will be received by the Orange county supervisors for the purchase of Laguna High School District bonds in the sum of $75,000. J. M. Backs, county clerk.

PRELIMINARY PLANS APPROVED.

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Geo. J. Fosdyke, structural engineer, 112 N. Main St., to proceed with working drawings for the north and south wings of the San Fernando elementary school. Cost $63,527.

BIDS WANTED

LOS ANGELES, Calif.—Until 11:30 a. m., July 23, bids will be received by the Los Angeles board of education for reconstruction, rehabilitation and strenghtening of the Figueroa Street school, located on the southwest corner of 111th and Figueroa Streets. The work will consist of reconstructing walls and interior, adding bracing, and rehabilitating and building to meet requirements of the state earthquake code. Plans were prepared by Parker, O. Wright, architect, 911 Black Bldg., and David H. Merrill, structural engineer, W. Hellman Bldg. Cost $65,000.

CONTRACT AWARDED

LOS ANGELES, Calif.—Krivic, Lovrich & Konjevod, 1226 Hayvenhurst awarded contract at $81,233 by Los Angeles board of education for reconstruction, rehabilitation and strengthening of the State Street school, located on the northwest corner of State and Santa Ana Sts., Huntington Park. Plans were prepared by Holmes & Narver, structural engineers, 639 S. Spring St., Los Angeles, and the architectural division of the board; A. S. Nibecker, Jr., architect.

CONTRACT AWARDED

SAN DIEGO, Calif.—B. O. Larsen, 1340 E. St., San Diego, awarded general contract by San Diego board of education, at $36,039, for construction of a five-classroom and auditorium addition at the Ocean Beach school, 4741 Santa Monica Ave., Ocean Beach. L. R. Huffman Co., 1629 Sunset Cliff Blvd., San Diego, was awarded the plumbing and heating contract at $7149. The work will include a central heating plant, termite treated lumber, electric ventilation for the auditorium, broadcasting system, and acoustic plaster. William P. Lodge, architect, California Bank Bldg., San Diego.

Sub-Contracts Awarded.

ADDITION Cont. Price, $23,362

ROSEVILLE, Placer Co., Cal. Vermont Street.

Additions to concrete Vernon Street elementary school building (add 3 classrooms and lunch room) and additions to concrete, brick and tile elementary school (add two classrooms and lunch room)s.

Owner — Roseville Elementary School District (Pete Priest, Clerk).

Architect — Charles Dean, California State Life Bldg., Sacramento.

Contractor—M. R. Peterson, Colfax.

Heating—Harvey H. Holland, 1713 P St., Sacvramento.

Electric Wiring—W. L. Harjes, Roseville.

Mill Work — Sterling Lumber Co., Roseville.

Structural Steel—Palm Iron Works, 15th and S Sts., Sacramento.

Reinforcing Steel — Soule Co., 1750 Army St., San Francisco.

Ornamental Iron—Palm Iron Works, 15th and S Sts., Sacramento.

Roofing—F. A. Clark, Fruitridge.

Sheet Metal—Frank Z. Ahl, 1615 21st St., Sacramento.

Painting—B. Robinson, Roseville.

Plastering—Peterson & Steinbrenner, 1116 O St., Sacramento.

Tile Work—H. P. Fischer, 1219 J St., Sacramento.

Cement—Diamond Match Co., Roseville.

Excavation has been completed.

Plans Completed.

SCHOOL ANNEX Cost, $75 000

SOUTH SAN FRANCISCO, San Mateo Co., Cal.

One-story reinforced concrete high school annex (six classrooms and assembly hall).

Owner — South San Francisco High School District.

Architect—E. L. Norberg, 407 Occidental Avee., Burlingame.

Final plans have been forwarded to Sacramento for approval.

BONDS VOTED

FRUITVALE, Kern Co., Cal.—Fruitvale School District voted bonds in the amount of $30,000 June 30. Funds are to finance construction of a new school building in Fruitvale. E. J. Symmes, Haberfelde Bldg., Bakersfield, Architect.

To Ask Bids In Ten Days

SCHOOL Cost, $9000

DUNNIGAN, Yolo Co., Calif.

One-story wood frame grammar school

Owner—Dunnigan School District.

Architect—Charles Dean, California State Life Bldg., Sacramento.

Funds Allotted.

ADDITION Cost, $60,000

HEALDSBURG, Sonoma Co., Cal.

One and two-story wing addition to high school, reinforced concrete structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alteration work, etc.

Owner—Healdsburg High School Dist.

Architect—John I. Easterly, 302 Grant St., Healdsburg.

PWA allotted funds in the amount of $60,000 to finance construction. A bond election will be held shortly.

FUNDS ALLOTTED

SEBASTOPOL, Sonoma Co., Cal.—PWA allotted $278,000 to the Analy Union High School District to finance construction of a two-story reinforced concrete high school building. Bonds in the amount of $190,000 were recently voted by the District. Louis Stone, 98 Ramona St., Piedmont and J. R. Rowell, Architects. Further details will be announced shortly.

FUNDS ALLOTTED

SANTA ROSA, Sonoma Co., Calif.—The Federal Public Works Administration has approved allotment of $29,300 to be made to the Santa Rosa Junior College District. Funds are to be used for the construction of the gymnasium building in Santa Rosa. Herbert & Caulkins, Rosenberg Bldg., Santa Rosa, architects.

GRANT APPROVED

BAKERSFIELD, Kern Co., Calif.—Public Works Administration has approved loan and grant in the amount of $300,000 to the Kern County Union High School District to finance construction of an auditorium at the high school. The auditorium will have a seating capacity of 3500. Chas. Biggar, Haberfelde Bldg., Bakersfield, architect.

Grant Approved

GRANT APPROVED

COALINGA, Fresno Co., Cal.—Public Works Administration has approved grant of $43,500 to the Coalinga High School District. Funds are to finance construction of a new senior high school and swimming pool in Coalinga from the district. W. D. Coates Rowell Bldg., Fresno, architect.

CONTRACT AWARDED

TAFT, Kern Co., Cal.—Carl Ingalls, Inc., P. O. Box 1593, Bakersfield, has been awarded contract by Taft School

District at 162,500 to the Conley school in Taft. Charles H. Biggar, architect, Haberfelde Bldg., Bakersfield.

Grant Approved
SCHOOL Cost, $12,000
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associated Architect — G. P. Simonds, Hayward.
The PWA has granted $4,300 to the Valle Vista School District have been forwarded to Sacramento for approval, to assist in financing construction of the building

CONTRACT AWARDED
COALINGA, Fresno Co., Calif.—A. M. Linxwiler, 4047 Grant St., Fresno, at $10.00 awarded contract by Coalinga Union High School District for wrecking all existing structures and connecting passage, the salvaging and removal of all wrecked material from premises of the Coalinga High School.
Complete bids follow:

A. M. Linxwiler, Fresno	$ 10.00
Lee Mead, Los Angeles	398.00
Boule & Plaugher, Fresno	1,045.00
G. W. Willingham, Fresno	1,100.00

Contract Awarded.
ADDITION Cost, $1800
LONE PINE, Inyo Co., Cal.
Two-story frame addition to school (add showers, etc.)
Owner—Lone Pine High School Dist.
Architect—Not Given.
Contractor—W. V. Skinner, Lone Pine
Plumbing and Electric—Owens Valley Electric Co., Lone Pine.

BIDS WANTED
PASADENA, Los Angeles Co., Cal.—Until 11 A. M., July 20, bids will be received by Pasadena Board of Education for repairing and strengthening the Washington Elementary School in Pasadena. Plans were prepared by Architect Frederick Kennedy Jr., 1041 E. Green St., Pasadena. Plans will be available to contractors July 6 at 320 E. Walnut St., Pasadena. Cost, $100,000.

LOW BIDDER
LONG BEACH, Los Angeles Co., Cal.—H. B. Nicholson, 3654 Lemon Ave., Long Beach, submitted low bid at $48,909 to Los Angeles Board of Education for reconstructing rehabilitating and strengthening main building at Cabrillo Avenue School site, 732 Cabrillo Ave., San Pedro. Edward Gray Taylor, architect, and Ellis Wing Taylor, structural engineer, 803 W. Third St., Los Angeles.

To Ask Bids In Ten Days
SCHOOL Cost, $——
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles Dean, California State Life Bldg., Sacramento.

COMMISSIONED TO PREPARE PLANS
LOS ANGELES, Cal.—Architect D. J. McLellan, 806 Architects' Building, has been commissioned by the Los Angeles board of education to prepare plans and specifications for both structural engineering and architectural work, including preliminary drawings, analyses, structural design computations and estimates of cost for reconstruction, rehabilitation and strengthening main building at the Reseda school. Cost, $59,584.

BIDS OPENED
SAN FRANCISCO—E. M. Mitchell, 7115 Geary St., at $220 submitted low bid to Material Officer, U. S. Marine Hospital for moving two fire hydrants and valves to a point 1 foot inside of curb; and one fire hydrant east of road in front of building No. 14 to be moved to a point one foot inside of curb. Following bids received:

E. M. Mitchell	$220
E. J. Treacy	256
Burnham Plumbing Co.	340
F. W. Snook Co.	365

Bids referred to Washington, D. C., for award.

BOND ELECTION.
ARCADIA, Los Angeles Co., Calif.—Arcadia City School District will hold an election August 28 at which time it is proposed to vote bonds in the sum of $45,000, proceeds to be used for financing the reconstruction of the First Avenue school. Several plans for the work are under consideration, one of which contemplates the removal of all hollow tile walls and replacing them with pressed steel studding bolted to the present foundation. Another plan proposes the application of gunite on all exterior walls.

Plans Approved
ADDITION Cost, $5000
MORGAN HILL, Santa Clara Co., Cal.
One-room addition to grammar school (frame construction).
Owner—Morgan Hill Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bids will be asked immediately.

16—BANKS, STORES AND OFFICES

BIDS REJECTED
SAN FRANCISCO. — U. S. Forest Service rejected all bids for four air conditioning units in four buildings at Northfork, Mount Shasta, Quincy and Weaverville. On previous bid opening lowest bid was submitted by the Aladdin Heating Corp., 1507 Broadway, Oakland, at $ 499. Complete bids published June 29.

CONTRACT AWARDED
SAN FRANCISCO.—Aladdin Heating Corp., 1507 Broadway, Oakland, at $1,356 awarded contract by U. S. Forest Service for oil fired warm air heating systems, complete and installed in four office buildings at Northfork, Mount Shasta, Quincy and Weaverville.
Complete bids published June 29.

CONTRACT AWARDED
SAN FRANCISCO. — American Safe Exchange, 130 Battery St., at $97.00 each awarded contract by U. S. Forest Service for furnishing and installing four steel fire resisting vault doors in four buildings at Northfork, Mount Shasta, Quincy and Weaverville.
Complete bids published June 29.

To Ask New Bids In One Week
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.)
Owner—Bank of America National Trust and Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (M. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Additional Sub-Contracts Awarded
FACTORY & OFFICES Cost, $35,000
SAN FRANCISCO. N Fulton Street E Webster Street.
Three - story reinforced concrete factory and office building.
Owner—Cereal Products Co., 763 Fulton Street.
Architect—Not Given.
Contractor—R. J. H. Forbes, Monadnock Building.
Plumbing — James H. Pinkerton, 527 Howard Street.
Electric—Collonan Electrical and Mfg. Co., 3201 Mission Street.
As previously reported, structural steel awarded to W. S. Wetenhall, 17th and Wisconsin Streets

Sub-Contracts Awarded.
OFFICES, ETC. Cost, $——
GRASS VALLEY, Nevada Co., Cal. Mill and Neal Streets.
Two - story commercial and office building.
Owner—Stuart Hoskings.
Plans by Jack E. Derr.
Contractor—J. E. Derr, Grass Valley.
Plumbing—R. W. Rogers.
Electric—Leland Painter.
Painting—John Bra .
Plaster and Cement—McKinley Lo .
All bidders of Grass Valley.

Construction Postponed Temporarily.
STORES & OFFICE Cost, $15,000
SUSANVILLE, Lassen Co., Cal.
Two-story reinforced concrete store and office building (140x25 ft.) tar, gravel and tile roof, steam heating system, oak floors, etc.
Owner—Mr. Dedeck.
Plans by Paul J. Moscarella, Saratoga.

Electrical Contract Awarded.
REMODEL BUILDING
Cont. Price, $87,632
OAKLAND, Alameda Co., Calif. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent), 15th and Clay Sts., Oakland.
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Electric—Scott Buttner Co., 19 Grand Ave., Oakland, at $4899.50.
Other awards will be made July 2.

BIDS WANTED
ARVIN, Kern Co., Cal.—Until July 16, 8 P. M., bids will be received by W. P. Nance, Clerk, Arvin School District, for alterations and additions to steam heating plait for the Arvin School. Specifications may be obtaaned from the Architect Edwin J. Symmes, Haberfeld Bldg., Bakersfield, upon deposit of $5.00. Certified check for 10% of amounta. bid required.

Completing Plans—Contract Awarded
STORE Cost, $7500
SAN FRANCISCO. Bush St. between Mason and Taylor.
One-story Class C concrete store bldg. (75x80 ft.) wood floor joists, wood roof, etc.
Owner—Mr. Rice.
Architect—Martin Sheldon, Monadnock Building.
Contractor—G. P. W. Jensen, 320 Market Street.
Sub-bids will be taken in about one week.

BIDS OPENED
SAN FRANCISCO—American Safe Exchange, 130 Battery St., at $97 each submitted low bid to U. S. Forest Service for furnishing and installing

four steel fire resisting vault doors in four buildings located at Northfork, Mount Shasta, Quincy and Weaverville. Complete bids follow:

	Each
American Safe Exchange	$ 97.00
Munthe Equipment Co.	108.00
Hermann Safe Co.	110.00
Herring Hall Marvin Safe Co.	143.56

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO—Aladdin Heating Corp., 1507 Broadway, Oakland, at $499 submitted low bid to U. S. Forest Service for four air conditioning units in four buildings located at Northfolk, Mount Shasta, Quincy and Weaverville. Complete bids follow:

	Per Unit
Aladdin Heating Corp., Oakland	$ 499
F. G. Walsh, Berkeley	550
W. E. Goss Sheet Metal Works San Francisco	597
Howe Furnace Co., S. F.	675
North Bay Heating Co., San Anselmo	627
Gaffigan Sheet Metal Works, San Mateo	750
M. J. Reeves, San Francisco	1200
Ed. B. Ward Co., S. F.	2812

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO—Aladdin Heating Corp., 5107 Broadway, Oakland, at $1356 submitted low bid to U. S. Forest Service for oil fired warm air heating systems, complete, and installed in four office buildings located at Northfork, Mt. Shasta, Quincy and Weaverville. Complete bids follow:

(1) each unit; (2) add for coil air return system; (3) ded. if oil burner is supplied by Government.

Aladdin Heating Corp., Oakland	(1)	$1356.00
	(2)	360.00
	(3)	225.00
Carpenter & Mendenhall, Sacramento	(1)	1564.05
	(2)	115.50
	(3)	434.87
North Bay Heating Co., San Anselmo	(1)	1636.00
	(2)	80.00
	(3)	205.25
Gaffigan Sheet Metal Works San Mateo	(1)	1650.00
	(2)	100.00
	(3)	205.00
Howe Furnace Co., S. F.	(1)	1751.10
	(2)	95.00
	(3)	205.25
W. P. Goss Sheet Metal Wks San Francisco	(1)	1722.00
	(2)	90.00
	(3)	205.25
Alternate	(1)	1728.00
	(2)	90.00
	(3)	205.25
Alternate	(1)	1740.00
	(2)	90.00
	(3)	205.25
Alternate	(1)	1765.00
	(2)	90.00
	(3)	205.25
Atlas Heating & Ventilating Co., San Francisco	(1)	1889.00
	(2)	320.00
	(3)	.....
M. J. Reeves Heating Co., San Francisco	(1)	2124.00
	(2)	72.00
	(3)	205.25
Murray & Co., Oakland	(1)	3473.64
	(2)	232.75
	(3)	186.00

Bids held under advisement.

June 29, 1934

Plans Being Completed.

IMPROVE BLDG. Cost, $25,000
SAN FRANCISCO. Mason, Turk and Market Streets.
Alterations and improvements to the Liberty Bank Building.
Owner—Capital Co., 625 Market St., San Francisco.
Architect — L. J. Hendy, % Capital Co., 625 Market St., San Francisco

Sub-Contracts Awarded.

ALTERATIONS Cost, $5000
OAKLAND, Alameda Co., Cal. No. 1900 Telegraph Avenue.
Alterations to building.
Owner—Twentieth & Broadway Realty Co., 19th and Telegraph Ave., Oakland.
Architect—A. J. Evers, 525 Market St. San Francisco.
Contractor—Wilbur C. Cone, 608 16th St., Oakland.
Plumbing—Carl T. Doell, 467 21st St., Oakland.
Electric—T. Rosenberg, 411 Webster St., Oakland.
Mill Work—Oakland Planing Mill, 2nd and Washington, Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
Concrete — J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Sheet Metal—East Bay Sheet Metal Works, 1101 Market St., Oakland.
Plastering—Wm. Makin, 2141 Livingston St., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

Low Bidder

OFFICE BLDG. Cost ,$——
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One-story frame and stucco doctors' office building (12 rooms) Pabco roof, 2 gas heating units, linoleum, mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Hertzka & Knowles, 982 Bryant St., San Francisco.
Low Bidder—Chas. W. Falk, 1520 East 38th St., Oakland, $5,125.
Bids held under advisement.

Sub-Contracts Awarded

ALTER BLDG. Cost ,$15,000
OAKLAND, Alameda Co., Calif. 1560 Broadway.
Alterations to First National Bank Bldg. (remodel exterior, new terra cotta front, etc.)
Owner—First National Bank, 1560 Broadway, Oakland.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Contractor — David Nordstrom, 4150 Emerald St., Oakland.
Terra Cotta—Gladding, McBean & Co., 22nd and Market Sts., Oakland.
Ornamental Bronze—Sartorius Co. 2530 18th St., San Francisco.
Hardware—Associated Hardware Co., 3860 San Pablo Ave., Oakland.

Contracts Awarded

ALTERATIONS Cost, $——
SAN FRANCISCO. 949 Market Street.
Alterations to building (work includes changes in stairs, ornamental iron work, concrete, marble and tile).
Owner—Sam Kaprialian.
Engineer—L. H. Nishklan, 525 Market.
Tile—Art Tile & Mantel Co., 221 Oak.
Ornamental Iron and Stair Work—California Artistic Metal and Wire Works, 349 7th St.

Contract Awarded.

ALTERATIONS Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 3420-22 E-14th Street.
Alterations to store building.
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.

Additional Contracts Awarded.

REMODEL BUILDING
Cont. Price, $87,632
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent), 15th and Clay Sts., Oakland.
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Carpets—Jackson Furniture Co., 14th and Clay Sts., Oakland, at $2947.13.
Window Shades—Jackson Furniture Co., Oakland, at $735.44.
As previously reported electrical contract awarded to Scott-Buttner Co., 19 Grand Ave., Oakland, $4899.50. Other awards will be made shortly.

Contract Awarded.

ALTERATIONS Cost, $1177
PALO ALTO, Santa Clara Co., Cal. No. 233 University Avenue.
Alterations to one-story store building.
Owner—J. L. Murphy.
Architect—Birge M. Clark, 310 University Ave., Palo Alto.
Contractor—Wells P. Goodenough, 310 University Ave., Palo Alto.

PLANNED

SACRAMENTO, Cal.—The American Trust Co., 464 California St., is considering leasing the building located on the northwest corner of Seventh and J Streets, and remodeling same for a new branch bank in Sacramento. More definite information will be announced shortly.

Sub-Contracts Awarded

REMODEL BLDG. Cont. Price. $87,632
OAKLAND, Alameda Co., Calif. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mezzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent) 15th and Clay Sts., Oakland.
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor—Lindgren and Swinerton, 1723 Webster St., Oakland.
Plumbing—Frank Gottstein, 226 8th St. Oakland.
Heating—Linford Heating Co., 1224 E. 12th St., Oakland.
Painting—Patterson Bros., 573 Santa Rosa Ave., Berkeley.
Elevators—Otis Elevator Co., 1 Beach St., San Francisco.
Ornamental Iron—Anchor Post Fence Co., 460 5th St., San Francisco.
Glass—Cobbledick - Kibbe Glass Co., Washington at 3rd St., Oakland.
Partition Tile—Kneal & Hallert, 732 Ramona St., Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Structural Steel—Judson Pacific Co., 609 Mission Street.
Celotex—E. K. Wood Lbr. Co., Frederick and Kings Sts., Oakland.
Lumber—Hogan Lumber Co., Second and Alice Sts., Oakland.
Lathing and Plastering—Wm. Makin, 214 Livingston St., Oakland.
Electric—Matson - Seabrooke Co., 4115 Broadway, Oakland.
Interior Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Vault Vents—M. G. West Co., 889 18th St., Oakland.
Sheet Metal and Ventilation—Dickson & Holbrook, 2180 Dwight Way, Berkeley.
Metal Windows—Forderer Cornice Works, 269 Potrero Ave., S. F.
Marble—Ray Cooke Marble Co., 1535 Powell St., San Francisco.
As previously reported, carpet con-

tract awarded to Jackson Furniture Co., 14th and Clay Sts., Oakland; window shades to Jackson Furniture Co.; electrical work to Scott-Buttner Co., 19 Grand Ave., Oakland.

Other awards will be made shortly.

18— WHARVES & DOCKS

Grant Made.

EXTEND DOCK Cost, $542,000

OAKLAND, Alameda Co., Cal. Outer Harbor.

1300 foot extension to dock, 100 feet wide; concrete construction; timmer apron, bulkhead walls, etc.

Owner—City of Oakland, Port Commission.

Plans by Engineering Dept. of Owner.

PWA made a grant of $150,000 to Oakland City Port Commission. Funds are to assist in financing construction of the above project.

19—MISC. CONSTRUCTION

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal. —C. C. Moore & Co., 450 Mission, San Francisco, at $6700 for the installation of water tube boiler, four drum Sterling or equal and $7405 for foundations and stack, awarded contract by the County Supervisors for furnishing and installing Water Tube Boiler at the San Joaquin General Hospital, Stockton.

PROSPECTIVE BIDDERS

PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, on August 15, 11 A. M., for the reerection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor; Spec. No. 7641:

Thos. J. Thompson, 112 N. 6th St., Philadelphia.

Victor R. Browning & Co., 1320 E. 22nd St., Cleveland.

R. W. Kaltenbach Corp., Bedford, O.

Westinghouse Elec. Mfg. Co., Washington Bdg., Washington, D. C.

Mechanical Engr. Service, Washington, D. C.

TO ASK BIDS

MARE ISLAND, Cal.—Bids will be asked shortly by the Bureau of Yards & Docks, Navy Department, for resetting Boilers No. 9 and 10, Mare Island Navy Yard; Spec. 776. Estimated cost, $25,000.

BIDS WANTED

BONNEVILLE, Oregon—Until July 15, 10 A. M., bids will be received by Bonneville dam engineer, Pittrock Block, Portland, for the construction and operation of a group of buildings at the Bonneville Dam. Group comprises motion picture theatre, general store, shoe repair shop, barber shop, etc. Plans prepared by Architect Hollis Johnston, Pittrock Block, Portland, Oregon.

ELECTION

BUTTE COUNTY, Cal.—The Butte County Board of Supervisors has set August 28 as the date of a special election on a proposal to create the Bidwell Municipal Utility District.

CONTRACT AWARDED

BOISE, Idaho—Thomas L. Dawson, Kansas City, Mo., awarded contract by Veterans' Administration, at $24,-500, for extension of steam distribution system at the Veterans' Administration Facility, Boise, Idaho.

Complete bids published July 2.

BIDS WANTED

SAN FRANCISCO. — Until July 13, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Sts. The work involves:

(1) 2,818 l.f. recondition erist. stand. gage tracks;
(2) 213 l.f. construction of spur track
(3) electrical work, complete, lump sum;
(4a) 500 c.y. compacted subgrade macadam;
(4b) 26,222 sq. ft. 3-in. asph. concrete wearing surface;
(4c) 5,000 l.f. 3x3-in. pine headers;
(5a) 204,000 sq. ft. clean and paint exterior surface of pipe;
(5b) 200,000 sq. ft. clean interior surface of pipe;
(6a) 21,700 sq. ft. clean and paint exterior surface of specials;
(6b) 21,000 sq. ft. clean interior surface of specials;
(7) general conditioning of testing plant machinery and equipment;
(8) 1,000 l.f. construct testing racks
(9) overhead I beam, lump sum;
(10) repair of building ,lump sum;
(11) removal of sheds, lump sum;
(12a) 250,000 sq. ft. grading of yard area;
(12b) 4,000 l.f. construction of yard ditches;
(13a) 2 construct temporary catch-basins;
(13b) 1,650 l.f. laying 10-in. cast iron pipe drain;
(13c) 350 l.f. drainage ditches;
(14) repair of cesspool, lump sum;
(15) water surf. and plumbing, lump sum;
(16) removal of debris, lump sum;
(17) work on 15-ton crane, lump sum
(18) work on small crane, lump sum;
(19a) 70 MBM select No. 2 common Douglas fir;
(19b) 203 MBM average No. 2 do;
(19c) 38,920 l.f. base skids;
(19d) 2,000 lbs. 40 penny nails;
(19e) 600 lbs. 20 penny nails;
(19f) 500 lbs. 10 penny nails;
(20a) 1,000 l.f. rough pine fence;
(20b) 4 rough pine gates with hardware.

Estimated cost, $57,000. Plans and specifications obtainable from City Engineer John J. Casey upon deposit of $10.00.

PLANNED

LOS ANGELES, Cal.—Los Angeles National Exhibition, Frank C. Hulbert, president; Fred H. Wehrley, secretary, 611 Chamber of Commerce Bldg., contemplates erecting a group of exhibit buildings on one of four Los Angeles sites under consideration. It is intended to open the exhibition next year and to continue it thereafter as a permanent annual fair. Architect Elmer Grey, 170 E. California St., Pasadena, has prepared sketches for the project.

BIDS OPENED

SAN FRANCISCO.—Tilden Lbr. Co., foot of University Ave., Berkeley, at $6,250 awarded contract by U. S. Forest Service, for four ready - cut frame buildings of one plan with about 4 000 feet of floor area. Complete bids follow:

Tilden Lumber Co., Berkeley, $6,-250; 2% ten days.

Hammond Lumber Co., San Francisco, $6,746.50; 2% cash.

Diamond Match Co., Chico,$6,790.00; 2%.

Pacific Systems Homes, Inc., Los Angeles, $7,309.40; no discount.

E. K. Wood Lumber Co., Oakland, $7,348.00; no discount.

Bids held under advisement.

CONTRACT AWARDED

FORT TUTHILL, Ariz.—U. S. Property and Disbursing Officer, Militia Bureau, Phoenix, Ariz., awarded contracts for (1) 200 wooden tent floors; (2) concrete floor in warehouse (3) elevated steel water tank; (4) water heater for infirmary; (5) 36 laundry trays in messhall-kitchen; (6) incinerator; (7) metal tops on serving counters in 18 messhall-kitchens; (8) additions to three latrine buildings; (9) additi on of coal bins to 4 bathhouse latrines at Fort Tuthill, Ariz. The awards follow:

Tent Floors—Del E. Webb Construction Co., Phoenix, $7046.50.

Concrete Floor—Del E. Webb Constr. Co., $899.

Steel Water Tank—Chicago Bridge & Iron Co., $9587.

Water Heaters—Standard Oil Co., Phoenix, $137.

Laundry Trays — Carl Miskeman, Phoenix, $708.85.

Counter Tops — Del E. Webb Constr. Co., $1250.

Latrine Additions—Del E. Webb Construction Co., $5608.

Coal Bins—Del E. Webb Constr. Co., $364.

Incinerator—Bids rejected; to be readvertised.

Complete bids follow:

Mougeot & Mougeot, Mesa, Arizona, (1) $7600.

Pierson Constr. Co., Phoenix, (1) $7469; (2) $1500; (8) $6100.

Carl W. Miskeman, Phoenix, (1), no bid; (2) no bid; (3) no bid; (4) $140.75; (5) $708.85.

Thomsan Plumbing & Heating Co., Phoenix, (5) $980.

Pierson & Duhame, Phoenix, (1) $6,-219.68; (2) $1201.62; (6) $3692; (8) $4682; (9) $126.

Del E. Webb Constr. Co., Phoenix, (1) $7406.50; (2) $899; (4) $176; (5) $1,-111.85; (7) $1250; (8) $5608.92; (9) $364.

McGinty Constr. Co., Phoenix, (1) $7323; (2) $1634; (8) $5680.

Chicago Bridge & Iron Works, Los Angeles, (3) $9587.

Carl O. Johnson, Phoenix, (1) $7612.

J. R. Lippincott, Los Angeles, (1) $10,547; (2) $1503; (4) $150; (5) $686 ;(7) $1764; (8) $5151; (9) $198.

Standard Oil Co., San Francisco, (4) $137.

Pittsburgh-Des Moines Steel Co., Des Moines, (8) $11,850.

Bids held under advisement.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

MARE ISLAND, Calif. — Following bids received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., June 22, for furnishing road and pavement construction asphalt:

LOT 2194A: Mare Island. Identical bids at $19.10 gr. ton submitted by the following: Associated Oil Co., San Francisco; Gilmore Oil Co., Los Angeles; Receivers for the Richfield Oil Co. of California, Los Angeles; Shell Oil Co., San Francisco; Standard Oil Co. of California, San Francisco, and Union Oil Co. of California, Los Angeles.

LOT 2194B: Same, fob works. No bids.

LOT 2195A: Mare Islad, 400,000 lbs. do. No bids.

LOT 2195B: Same fob works. No bids.

CONTRACT AWARDED

LOS ANGELES, Cal.—Consolidated Steel Corp., Slauson and Eastern Aves. Los Angeles, at $25,900 awarded contract by the Los Angeles Water and Power Commission, 207 S. Broadway, for electric welded steel pipe, wye branches, and tees, under Specification No. 1440.

BIDS OPENED

MARE ISLAND, Calif. — Following bids received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., June 26, for furnishing 5,400 barrels of Portland cement for Mare Island:

Yosemite Portland Cement Corp., San Francisco, $13,774.50.

Identical bids at $14,622 were submitted by the following:

Calaveras Cement Co., San Francisco; Henry Cowell Lime & Cement Co., San Francisco; Santa Cruz Portland Cement Co., San Francisco; Pacific Portland Cement Co., San Francisco, and Monolith Portland Cement Co., Los Angeles.

BIDS REJECTED

FORT PECK, Montana—The U. S. Engineer Office, Kansas City, Mo., has rejected all bids for the purchase of 400,000 bbls. of cement for the Fort Peck Dam. The War Department will purchase about 200,000 bbls. from the Ash Grove plant, Louisville, Ky., at a price of about $1.19 per bbl. at this time.

CONTRACT AWARDED

SAN FRANCISCO—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., at $1.30 each awarded contract by City Purchasing Department for furnishing 100 wire clothes baskets for the City. Complete bids follow:

	Each
Michel & Pfeffer Iron Works	$1.30
Patterson & Koster Iron Works	1.38
San Francisco Wire & Iron Wks.	1.47
Eureka Iron & Wire Works	2.48
West Coast Wire Works	3.60

CONTRACT AWARDED

SAN FRANCISCO. — T. R. Hanify Lumber Co., 24 Market St., at $29 per M. ft. fob San Francisco and/or $14.75 per M. ft., fob Humboldt Bay, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall under Bid No. 1226, for furnishing 92,794 FBM of No. 1 sawn California redwood ties for Hetch Hetchy Project.

CONTRACT AWARDED

OAKLAND, Calif.—Melrose Building Materials Co., 4501 Tidewater, Oakland, at (1) $1.53 per ton, and (2) $1.10 per ton awarded contract by the Oakland City Council for furnishing:

(1) 5,000 tons top sand;
(2) 5,000 tons fine sand.

Complete bids published July 2.

CONTRACTS AWARDED

OAKLAND, Cal.—Union Oil Co., at $.0525 per gallon awarded contract by the Oakland City Council for furnishing regular type road oil for Districts 1 and 3; and American Bitumuls Co., at $.0525 per gallon awarded contract for furnishing road oil for Districts 2 and 4.

American Bitumuls Co. at $.0625 per gallon awarded contract for furnishing 20,000 gallons of emulsified road oil, Honing type.

OAKLAND, Calif.—California Wire Cloth Co., 587 Mission St., San Francisco, at $4,736 (delivery by ocean and rail) and $5,152 (delivery by rail only) awarded contract by the East Bay Municipal Utility District for furnishing 320,000 sq. ft. of galvanized and welded steel wire fabric, 2x4-in., 13 gauge, under Proposal No. 529.

Identical bids at $4,736 (delivery by ocean and rail) and $5,152 (delivery by rail only) were submitted by the following firms:

Gunn, Carle & Co., Dunham, Carrigan & Hayden Co., California Wire Cloth, Truscon Steel Co., Soule Steel, Pittsburgh Steel, Wickwire Spencer Steel Co., Concrete Engineering Co., Western Steel & Wire Co., Pacific Steel Sales Co., Ltd., Standard Fence Co., W. S. Wetenhall Co., and Beatie Steel & Supply Co.

BIDS OPENED

OAKLAND, Cal.—Baker-Hamilton & Pacific Co., 700 7th St., San Francisco at $13,377.57 submitted low bid to the East Bay Municipal Utility District under Proposal L. S. 126, for furnishing:

(1) 250 hub end gate valves, 6-in. dia.
(2) 33 flanged do, 8-in. dia.;
(3) 10 flanged do, 10-in. dia.;
(4) 8 flanged do, 12-in. dia.;
(5) 3 flanged do, 20-in. dia.;
(6) 2 flanged do, 24-in. dia.;
(7) 5 flanged do, 30-in. dia.

The bids were:

Baker-Hamilton & Pacific Co., (1) $5505; (2) $819.28; (3) $566.80 (4) $566.48; (5) $942.96; (6) $896.70; (7) $4080.35 total $13,377.57.

Steam & Plumbing Service Corp., San Francisco, (1) $5700; (2) $848.10; (3) $587; (4) $587.20; (5) $977.25; (6) $929.20; (7) $4225; total, $13,855.75.

Identical bids at a total of $14,290.76 were submitted by the following:

Chapman Valve Mfg. Co., Chas. M. Bailey Co., A. T. Smith Mfg. Co., Spears-Wells Mchy. Co., Jenkins Bros. Tay-Holbrook, Inc., Richmond Sanitary Co., Western Gas Co., Rensselaer Valve Co., Kennedy Valve Mfg. Co., and Columbia Iron Co.

Unit bids on the identical prices were:

(1) $5880; (2) $875.16; (3) $605.60; (4) $605.20; (5) $1007.43; (6) $958.02; (7) $4359.35.

All bids held under advisement

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District under Proposal No. 124 for furnishing:

(1) 3,000 conc. meter boxes with covers, type 1;
(2) 2,000 extra conc. meter box covers, rectangular type;
(3) 500 extra do, oval type;
(4) 250 conc. meter boxes, with covers, type 5;
(5) 75 conc. meter boxes do, type 6.

Art Concrete Works, Oakland, (1) $2952; (2) $1025; (3) no bid; (4) $448.44; (5) $345.94; total $4,771.37 including tax.

Forni Mfg. Co. ,Oakland, (1) $2,890.50; (2) no bid; (3) $256.25; (4) $410 (5) $326.71; total, $3,883.46 including tax.

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, for furnishing the following:

(1) 20-in. Venturi throat.
(2) Venturi tube.
(3) Electric operated level recorder.
(4) 8 rate controllers.

Percy Keatings, San Francisco, (1) $895; (2) $664; (3) $532; (4) $11,490.

Bailey Meter Co., San Francisco, (1) $808; (2) $675; (3) $630.

BIDS OPENED

OAKLAND, Cal.—Following submitted identical bids to the Oakland City Council for furnishing brick for the fiscal year. Prices read:

(1) price per carload lots, corporation yard, $1,350.
(2) less than carload lots, do, $1,588.

Melrose Bldg. Materials, 4501 Tidewater.

Rhodes & Kennedy, Inc., 101 4th St.
San Jose Brick Co., San Jose.
Remillard Brick Co., 569 3rd St.

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District for furnishing 20 tons of copper sulphate under Proposal No. 543:

Federated Metals Corp., San Francisco, $78 per ton; $total, $1560.

Mountain Copper Co., Ltd., S. F., $78 per ton; total $1560.

Maydwell & Hartzell, Inc., S. F., $80 per ton; total, $1600.

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Oakland City Council for furnishing (1) 5,000 tons top sand, and (2) 5000 tons fine sand for the city:

Melrose Bldg. Materials Co., 4501 Tidewater, Oakland, (1) $1.53 per ton; (2) $1.10 per ton.

Rhodes & Kennedy, Inc., 101 4th St., Oakland, (1) $1.53 per ton; (2) $1.485 per ton.

All bids held under advisement.

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CONSOLE ROOM HEATERS

Attractively finished in grained walnut porcelain enamel, cabinet—as beautiful as period furniture.

Now—you can heat your whole house with one fire. More convenient—less expensive than a separate heater in every room.

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OAKLAND
Phone LAkeside 1268

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

BERKELEY CITY

BERKELEY, Cal.—Until July 18, 2 P. M., bids will be received by Berkeley Board of Education for furnishin paint materials for SERA projects for the Berkeley Board of Education.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for miscellaneous supplies and equipment as follows:

TUBING, seamless steel; East & West Yards. Sch. 2823; July 10.
CASTINGS, for casings for turbines; East & West Yards. Sch. 2810; July 13.
STEEL, nickel; East & West Yards. Sch. 2824; July 13.
FOIL, aluminum; East & West Yards. Sch. 2818; July 13.
PALMS, roping and seaming sailmakers'; East & West Yards. Sch. 2819; July 17.
SHOVELS; East & West Yards. Sch. 2820; July 17.
HOISTS; chain; East & West Yards. Sch. 2821; July 17.
POTS, gasoline fire, 126; East & West Yards. Sch. 2837; July 17.
CASTINGS, corrosion-resisting steel; East & West Yards. Sch. 2833; July 17.
SOCKETS, steel, for Morse taper shank tools; East & West Yards. Sch. 2831; July 17.
STONES, sharpening; East & West Yards. Sch. 2839; July 17.
FACINGS, naval brass boat; East & West Yards; Sch. 2838; Juyl 17.
SYRINGES, oil; East & West Yards. Sch. 2835; July 17.
PIPE, cast iron soil and water; East & West Yards. Sch. 2834; July 17.
DRILLS, portable electric, and grinders; East & West Yards. Sch. 2832; July 17.
CHISELS, machinists', and pneumatic, and blank chisel, pneumatic; East & West Yards. Sch. 2830; July 17.

Specifications obtainable from the above office.

CANAL ZONE

PANAMA CANAL ZONE. — Until July 12, bids will be received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., under Schedule 2976, for furnishing miscellaneous supplies and materials, including:

Hub odometers, safety signs, paint gun, metal chairs, lunch counter stools log lines, marble chips, rubber tile, hard rubber tile and fittings, malleable iron railing fittings, liquid door closers, tubular lanterns, chair casters, oil cans, turnbuckles, steel ring bolts, brass screw eyes, rim door locks hinges and butts, strap hinges, hasps and staples, awning pulleys, steel cap screws, boat spikes, upholsterer's tacks, steel wire brushes, sash tool brushes, rubber metal gasoline hose, rubber air hose, automobile curtain fasteners, automobile top binding, billiard cues, metal worker's crayons, lumber crayons, chalk crayons, car seals, and 46,500 lbs. raw linseed oil.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE—Until July 11, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2974, for furnishing miscellaneous supplies, including: Galvanized corrugated roofing and ridge roll, clamshell bucket, wire rope, knives (for woodworking machinery), circular saws, terra cotta pipe, pipe fittings, valves, cocks, toilet seats, range boilers, kitchen sinks, welding rods, electrode holders, metal trash receptacles, carbide lights, glass, track spikes, track bolts, pressure and vacuum gauges, goggles, rubber and asbestos packing, and water meters.

Specifications obtainabale from the above office and from the Assistant Purchasing Agent, The Panama Canal Fort Mason, San Francisco.

POST OFFICE DEPT.

MENLO PARK, San Mateo Co., Cal. —Until July 11, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for wooden counter high partition equipment for the U. S. Post Office, Menlo Park. Proposal No. 143.

MENLO PARK, San Mateo Co., Cal. —Until July 11, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furniture items for the U. S. Post Office, Menlo Park. Proposal No. 144.

CONCORD, Contra Costa Co., Cal. —Until July 9, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furniture for the U. S. Post Office, Concord. Proposal No. 149.

CONTRA COSTA COUNTY

ANTIOCH, Contra Costa Co., Cal.—Until July 13, 8 P. M., bids will be received by the Board of Trustees of the Antioch High School, Antioch High School, 1600 D St., Antioch, for furnishing one 41- 48-passenger high school bus.

Bids to be addressed to and information obtainable from H. F. Hunnell, 4th and D Sts., Antioch.
W. H. Winfree, clerk of the board.

SEATTLE CITY

SEATTLE, Wash.—Until July 12, 10 A. M., bids will be received by the Seattle Board of Public Works, G. W. Roberge, Secretary, Room 511 County City Bldg., for furnishing transmission line insulator and hardware and high tension bus equipment, for the Diabl e Power Project for the City Light Department.

Plans and specifications obtainable from the Superintendent of Lighting, Room 604, County-City Bldg.

All materials to be delivered to the City of Seattle, f.o.b. Rockport, Washington.

OREGON STATE

SALEM, Oregon—Until July 12, 9 A. M., bids will be received by the Oregon State Highway Commission, H. B. Glaisyer, Secretary, Auditorium of the Public Service Bldg., Portland, for the sale of miscellaneous used equipment including dump trucks, tractors, boilers, trucks, shovels, drills water tanks, pumps, mowing machines, scrapers, scarifiers, etc.

Including, also, scrap materials; bronze, aluminum, cast iron, steel, etc.

Information obtainable from the State Highway Commission, Room 322 State Office Bldg., Salem.

BERKELEY CITY

BERKELEY, Alameda Co., Cal.—Until July 18, 2 P. M., bids will be received by Clara F. Andrews, Secretary, Berkeley Board of Education, for paint materials for the school year, 1934-1935. Specifications are on file in the office of the Secretary, Rm. 203, Administration Building, 2325 Milvia St., Berkeley.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until July 11, 8 P. M., as previously reported, bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, under Spec. No. LS 127, for furnishing and erecting one 250,000 gal. steel storage tank.

Specifications obtainable from above office.

U. S. FOREST SERVICE

SAN FRANCISCO—Until July 10, 2 P. M., bids will be received by the U. S. Forest Service, 85 Second St., San Francisco, for furnishing 800 hand made electric fixtures for various buildings for the Forest Service.

LOS ANGELES, Cal.—Until July 10, 2 P. M., bids will be received by the U. S. Forest Service, 751 South Figueroa St., Los Angeles, for furnishing engine and pump assembly for Tanbark Flats under Bid No. DPM 369.

NAVY DEPARTMENT

BREMERTON, Wash.—Until July 9, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, undear Req. No. 7-NIRA, for furnishing 10,000 bbls. of Portland cement. Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Exceva.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

PLANNED

MENDOCINO COUNTY, Calif.—The Mendocino County Board of Supervisors will ask bids shortly for the construction of a new bridge over Burger Creek bet. Dos Rios and Longvale.

Timber and steel from the existing bridge will be salvaged and used.

CONTRACT AWARDED

JUNEAU, Alaska—Warrack Constr. Co., McDowall Bldg., Seattle, at $46,410 awarded contract by the Alaska Road Commission for the construction of approach spans to the Juneau-Douglas Highway Bridge, Alaska.

BIDS WANTED

SAN JOAQUIN & Sacramento Cos., Cal.—Until July 9, 10 A. M., bids will be received by the San Joaquin County Board of Supervisors, County Courthouse Bldg., Sacramento, for the redecking of the bridge on Elliott Rd. over Dry Creek on the county line between Sacramento and San Joaquin counties, about six miles north of lockeford and about seven miles esat of Galt.

Plans and specifications obtainable from both the above offices upon deposit of $10.00.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid 1010, for furnishing and fabricating all structural steel for one 67-ft. trestle and beam span, bolts for field connections, and all miscellaneous steel portions necessary for erecelon, etc., for the El Portal Bridge No. 3, Stanisdaus National Forest.

(1) Delivery f.o.b. bidder's shipping point;
(2) Delivery f.o.b. El Portal, Yosemite Railroad:

Schrader Iron Works, San Francisco, (1) $773; (2) no bid.
McClintic Marshall Corp., Alameda, (1) $769; (2) $845.
Independent Iron Works, Oakland, (1) $810; (2) no bid.
Moore Dry Dock Co., Oakland, (1) $1061; (2) no bid.
Judson Pacific Co., Oakland, (1) $794; (2) $915.
Golden Gate Iron Works, San Francisco, (1) $800; (2) $880.
Dyer Bros. Golden West Iron Works, San Francisco, (1) $859; (2 no bid.
Halsey Machine & Mfg. Co., San Bernardino, (1) $867; (2) $1099.
Herrick Iron Works, Oakland, (1) $884; (2) $964.

All bids held under advisement.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Repot, Government Island, under Bid No. 1009, for furnishing and fabricating all structural steel for one 130-ft. continuous beam span with two splices per beam, and all miscellaneous steel portions necessary for erection, etc., for the Van Duzen River Bridge, Trinity National Forest.

(1) Delivery f.o.b. bidder's shipping point;
(2) Delivery f.o.b. Eureka:

Moore Dry Dock Co., Oakland, (1) $1899.50; (2) no bid.
McClintic Marshall Corp., Alameda, (1) $1908; (2) $2011.50.
Independent Iron Works, Oakland, (1) $2100; (2) no bid.
Golden Gate Iron Works, S. F., (1) $2165; (2) $2275.
Ingalls Iron Works, Eureka, (1) no bid (2) $2200.
Dyer Bros. Golden West Iron Works, S. F. (1) $2087; (2) no bid.
Schrader Iron Works, S. F., (1) $2434 (2) no bid.
Minneapolis Steel Co., Minneapolis, (1) $1927; (2) $2377.
Herrick Iron Works, Oakland, (1) $1994; (2) $2164.
Judson Pacific Co., San Francisco, (1) $2040; (2) $2143.

All bids held under advisement.

BIDS WANTED

SAN FRANCISCO—Until August 1, 2 P. M., bids will be received by the Department of Public Works, San Francisco-Oakland Bay Bridge, Room 811, 500 Sansome St., San Francisco, for the final field painting of all steel superstructure including cables and attachments of the West and East Bay crossings of the San Francisco-Oakland Bay Bridge. The approximate quantities of steel to be painted in the two crossings are as follows:

(1) 24,000 tons steel in towers to be painted, West Bay Crossing;
(2) Cables and accessories to be painted;
(3) 39,000 tons steel in spans to be painted, West Bay Crossing;
(4) 58,000 tons steel in spans to be painted, East Bay Crossing;

NOTE:—Item 2 includes painting of the following:

(a) 19,000 tons cables;
(b) 226,000 lin. ft. 2½-in. diameter suspender ropes;
(c) 38,000 lin. ft. 1-in. diameter hand ropes;
(d) 850 tons cable castings.

Specifications obtainable at the office of the Engineer, 500 Sansome St., San Francisco.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

GLENDALE, Los Angeles Co., Cal.—Until July 23, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for furnishing cement and reinforcing steel for use in construction of a conduit on Verdugo Wash between Pacific Ave. and Kenilworth Ave., Glendale.

Bids will be taken as follows:

PROPOSAL NO. 1: 2025 bbls. cement in cloth sacks, fob railroad cars at the P. E. siding, Brand Blvd. and Mountain St., Glendale.

PROPOSAL NO. 2: 2025 bbls. cement in cloth sacks, fob trucks at site of work.

PROPOSAL NO. 3: 176,400 lbs. reinforcing steel, as follows:

100 lbs. 1-in. round deformed, 100 lbs. ⅞-in. round deformed, 30,000 lbs. ¾-in. round deformed, 102,000 lbs. ⅝-in. round deformed, 100 lbs. ½-in. square deformed, 26,000 lbs. ½-in. round deformed, 18,000 lbs. ¾-inch round deformed, and 100 lbs. ¼-inch round deformed.

E. C. Eaton, Los Angeles County Flood Control Engineer, 207 S. Broadway; Mame B. Beatty, clerk of the board.

CONTRACT AWARDED

LOS ANGELES, Cal.—J. E. Burrell and E. S. McKittrick Co., 5905 Pacific Blvd., Huntington Park, at $40,692, using concrete floor, awarded contract by the Los Angels County Board of Supervisors for the construction of a steel bridge on Del Mar Ave. over Alhambra Wash.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

WILLAMETTE RIVER, Ore.—Pacific Building Materials Co., 400 North Thompson St., Portland, at $4,356 submitted low bid to the U. S. Engineer Office, 206 Customhouse, Portland, under Bid No. 340764, for dredging from a channel in the Willamette river approximately 12,000 c.y. of material at Magoone Bar, 24 and 24½ miles respectively above the mouth of the river.

Portland Dredging Co., Lewis Bldg., Portland, at $6,831 submitted the only other bid.

EMERGENCY CONTRACT AWARD

LOS ANGELES, Cal.—J. W. Breedlove and E. M. Breedlove, 649 S. Olive St., Los Angeles, were awarded an emergency contract by the Board of Public Works, June 27, at 45c per c.y. or about $15,000 for the completion of the removal of 50,000 c.y. of earth from Fort Moore Hill to the site of the Union Passenger Station. The original contractor failed to complete his contract.

BIDS REJECTED

SACRAMENTO, Cal.—All bids received by the U. S. Engineer Office, Sacramento, June 8, for raising and strengthening the existing levee and constructing a new levee along the southerly bank of the American River from the Western Pacific R. R. to the easterly boundary of the Meister Tract, a distance of about 2.3 miles, have been rejected, and the project will be re-advertised.

George Pollock, P. O. Box, 903, Sacramento, at $79,572 was low bidder.

Complete bids published June 9.

24—STREET LIGHTING SYSTEMS

BIDS WANTED

SAN FRANCISCO.—Until July 16, P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the installation of an ornamental lighting system on Tenth, Bryant, Harrison and Fell Sts. (Contract No. 5, Light & Power Dept.)

The work involves:

1) 139 electrollers, complete, with auto transformers;
2) 5 wall bracket fixtures, complete with insulating transformers;
3) 1 trolley bracket fixture with auto transformer;
4) 81 extra conduit stubs in foundations.

Paul J. Ost, Engineer. Specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason Street.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

BERKELEY, Cal.—Mo-Gil-Ner Manufacturing Co., 3233 Humboldt St., Los Angeles, at $73.50 each, submitted only bid to California Forest Experimental Station, Berkeley, for water stage recorders. Bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District for furnishing one Barber-Green ditcher, or equal, under Proposal No. 535:

Smith, Booth, Usher, $3975.
Associated Equipment Co., $5,000.
Jenison Machy Co., $5,669.
A. L. Young Machy Co., $5,850.
Austin Western Road Machy Co., 5,200.
Garfield & Co., $11,944; alt. $14,077.
All bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal.—The Bowle Switch Co., 85 Second St., San Francisco, has been awarded contract at 24,594 by the Los Angeles Water and Power Commission, for furnishing disconnect switches under Spec. No. 1427.

PURCHASE PLANNED

SAN MATEO COUNTY, Cal.—County Engineer James S. James has included an item of $8000 in his 1934-935 budget for the purchase of a team shovel.

The budget is now under consideration by the San Mateo County Board of Supervisors.

CONTRACT AWARDED

OAKLAND, Cal.—Earle C. Anthony, 01 Van Ness Ave., San Francisco, at 1,010 awarded contract by the Oakland City Council for furnishing two coupes for the Oakland Fire Dept.

BIDS OPENED

HUNTINGTON BEACH, Orange Co. Cal.—Following bids received by the Huntington Beach City Council June 3 for furnishing one used 8-ton tandem gas road roller:

Crook Co., one 4-cyl., 7-ton Buffalo-Springfield roller, $4315; alt., rebuilt 2-cyl., 8-ton same, $1600.
Austin - Western Road Mchy. Co., Austin 4-cyl., 8-ton tandem, $4465; alt. Cadet, 6-ton, 3-wheel, $3200; alt. 7-ton, $3890; alt. 8-ton, $4090; alt. 6-ton Roll-a-Plane, $4190; alt., 7-ton same, $4790.
Peter L. Ferry, one used 2-cyl., 8-ton tandem Austin-Western, $1050.
Geo. W. French, one used 8-ton tandem roller J. G. Kneen Paving Co. type, $1100.

All bids referred to the street committee.

CONTRACT AWARDED

GRASS VALLEY, Nevada Co., Cal. —George Bros., Grass Valley, at $643 (Dodge) awarded contract by Grass Valley City Council for furnishing one new ½-ton pick-up truck for street department. The other bids were:

Webb Motors, Grass Valley, $654 (Ford).
Kneebone Motor Sales Co., Grass Valley, $654.90 (Chevrolet).

BIDS OPENED

YUMA, Ariz. — Ruth Dredger Mfg. Co., 5980 Boyle, Los Angeles, at $12,-400 submitted low bid to the Bureau of Reclamation, Denver, June 1, under Spec. 614-D, for furnishing one ditch cleaning machine for the Yuma Proj.,

Rix Co., Los Angeles, at $16,500 submitted the only other bid.

30—RESERVOIRS & DAMS

FORT PECK, Montana — Addison Miller, Inc., 1111 Builders Exchange, and Fielding & Shepley, Inc., 814 Guardian Bldg., St. Paul Minn., at $1,-292,320 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for overburden excavation and stripping at Fort Peck Dam.

BIDS WANTED

PARKER, Arizona—Until July 26, 10 A. M., as previously reported, bids will be received by the U. S. Buerau of Reclamation, 608 Grant Bldg., Los Angeles, for the construction of the Parker Dam and appurtenant works, Parker Dam Project, California-Arizona, under Spec. No. 574. Bids will be taken as follows:

SCHEDULE NO. 1
Construction of Diversion Tunnles, Forebay, and Roads

(1) 10,000 cu. yds. excav., all classes, stripping sand and gravel deposits;
(2) 7000 cu. yds. excav., common in open cut for diversion tunnels;
(3) 72,000 cu. yds. excav., rock in open cut for diversion tunnels;
(4) 108,800 cu. yds. excav., all classes, in diversion tunnels;
(5) 1000 cu. yds. excav., common, for forebay;
(6) 134,000 cu. yds. excav., rock, for forebay;
(7) 300 cu. yds. excav., all classes, in forebay sluice tunnel;
(8) 300 cu. yds. excav., all classes, for road structures;
(9) 1000 cu. yds. excav., common, for road;
(10) 68,000 cu. yds. excav., rock, for road;
(11) 754,000 sta. cu. yds. overhaul, for road;
(12) 100 cu. yds. rubble masonry;
(13) 425 lin. ft. laying 24-in. diameter corrugated metal pipe culverts;
(14) 24 M. gals. watering road subgrade;
(15) 800 cu. yds. placing gravel surf. on road;
(16) 12,600 gals. hauling and spreading road oil;
(17)5400 sq. yds. finishing oil-treated road surfacing;
(18) 200 lin. ft. constructing timber guard rail;
(19) 300 MFBM furnishing and erecting permanent timbering in tunnels;
(20) 16,000 cu. yds. concrete in diversion tunnel lining;
(21) 200 cu. yds. concrete in diversion tunnel portals;
(22) 13,000 lbs. placing reinf. bars;

SCHEDULE NO. 2
Construction of Parker Dam

(23) 150,000 cu. yds. excav., all classes stripping sand and gravel deposits;
(24) 1,508,000 cu. yds. excav., common, for foundations of dam and cofferdams;
(25) 83,000 cu. yds. excav., rock, for foundation of dam;
(26) 18,000 cu. yds. excav., all classes, for spillway approach and road wye;
(27) 438,000 cu. yds. earth fill in cofferdams;
(28) 22,000 cu. yds. dumped rip rap;
(29) 100 cu. yds. rubble masonry;
(30) 150,000 cu. yds. removal of upstream cofferdam;
(31) 63,000 cu. yds. removal of downstream cofferdam;
(32) Lump sum, diversion and care of river during construction of tunnel plugs and unwatering tunnels;
(33) 7700 lin. ft. drilling grout holes not more than 25 ft. deep;
(34) 500 lin. ft. drilling grout holes more than 25 ft. deep and not more than 50 ft. deep;
(35) 500 lin. ft. drilling grout holes more than 50 ft. deep and not more than 100 ft. deep;
(36) 5800 cu. ft. pressure grouting foundation;
(37) 1700 cu. ft. pressure grouting contraction joints and cooling system;
(38) 200 lin. ft. drilling holes for anchor bars and grouting bars in place;
(39) 260,000 cu. yds. concrete in dam;
(40) 15,400 cu. yds. concrete in spillway bridge piers, gate guides, and stairway shaft;
(41) 1150 cu. yds. concrete in operating house;
(42) 870 cu. yds. concrete in curbs, parapets, and roadway bridges;
(43) 480 cu. yds. concrete in spillway gate counterweights;
(44) 5200 cu. yds. concrete in trash-rack structure & forebay sluice tunnel bulkhead;
(45) 4400 cu. yds. concrete in diversion tunnel plugs;
(46) 1,861,000 lbs. placing reinforcement bars and fabric;
(47) 6000 sq. yds. special finishing of concrete surfaces;
(48) 700 sq. yds. installing conc. floor topping and base;
(49) Lump sum, furnishing, installing, and operating concrete cooling plant;
(50) 220,000 lbs. installing metal tubing, pipe and fittings for conc. cooling system;
(51) 74,000 lbs. installing grout pipe and fittings;
(52) 10,000 lin. ft. installing metal sealing strips in contraction joints;
(53) 3,125,000 lbs. installing spillway gates, gate frames, gate and counterweight guides, and counterweight hangars;
(54) 975,000 lbs. installing spillway gate hoists and operating and control mechanism;
(55) 770,000 lbs. installng trash-rack metal work;
(56) 38,300 lbs. installing traveling crane, crane rails and crane beams;
(57) 15,500 lbs. installing cast iron pipe and castings in roadway and roof drains;
(58) 4000 lbs. installing pipe hand railings;
(59) 7600 lbs. instal. metal stairways and hatchway frames and covers
(60) 650 lbs. installing metal louvers;
(61) 20 sq. ft. installing metal doors;
(62) 540 sq. ft. instal. metal sash windows;
(63) 12,000 lin. ft. install electric metal conduits;
(64) 3000 lbs. instal. elec. conductors;
(65) 36,000 lin. ft. installing resistance thermometers, joint-meters and strain-meters.

Bidders may submit bids on one or both schedules.

The work is located near Parker, Arizona, and Earp, California. The proposed Parker Dam will be a constant angle arch dam modified to permit the installation of overflow gates. It will be approximately 320 ft. high above bedrock to raise the water in the river 72 ft. above the present river bed. It will be about 840 ft. long at the concrete crest, 100 ft. thick at bedrock, and 50.48 ft. thick at the spillway crest. Of the total height 215 ft. will be submerged in the downstream tail water and Sedimentation on the upstream side. Besides the dam proper, the present contract will involve construction of two concrete lined diversion tunnels and two cofferdams. No. 1 tunnel will be 1780 ft. in length, 29 ft. in diameter, and No. 2 tunnel will be 1720 ft. in length and 29 ft. in diameter, with a total of 50,000 sec. ft. discharge. The upstream cofferdam will be 82 ft. in height, of earth fill construction with 3-in. riprap upstream facing. The downstream cofferdam will be of similar type construction. This contract includes excavation of power plant forebay and trashrack area.

Plans and specifications obtainable from the Bureau of Reclamation at Earp, California; Parker, Arizona; Denver, Colorado, and Washington, D. C., at a charge of $5.

BIDS WANTED

BONNEVILLE, Ore.—Until July 18, 3 P. M., bids will be received by U. S. Engineer, 306 Customhouse, Portland, for furnishing two 60,000 - h.p. Kaplan turbines and governing equipment for same, under Bid No. 34-804.

The turbines are for the Bonneville Power and Navigation Project.

Specifications obtainable from the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Block, Portland, and from the Division Engineer, 623 Pittock Block.

31—PIPE LINES & WELLS

BIDS WANTED

TACOMA, Wash.—Until July 10, between the hours of 9 A. M. and 10 A. M., bids will be received by the Board of Contracts and Awards, 307 City Hall, Tacoma, for the construction of the Green River Gravity pipe line. Bids will be taken as follows:

(1) Furnishing and installing 18,943 lin ft. of steel and concrete pipe from 52- to 63-ft. in diameter, and replacing an equal length of existing Green River Gravity pipe line. $10 deposit for plans and $5.00 for specifications.

(2) Valves for Green River Gravity Pipe Line Reconstruction and Pipe Line No. 4, as follows:
(1) 29 4-in. flanged air and vacuum valves;
(2) 32 4-in. flanged gate valves;
(3) 25 6-in. flanged gate valves;
(4) 2 16-in. flanged bevel geared
(5)1 30-in. flanged bevel geared gate valve;
(6) 1 36-in. flanged bevel geared gate valve;
(7) 1 48-in. flanged bevel geared gate valve. $2 deposit for plans.

(3) Primer and aluminum paint for 14,250 sq. ft. of steel or iron pipe surface. Primer and approved asphaltic paint for areas varying from 126,400 sq. ft. to 544,780 sq. ft. of steel or iron pipe surface, depending upon the amount of such pipe awarded under separate contract. $2 deposit for plans.

(4) Materials for 1934 Reconstruction of portions of Green River Gravity Pipe Line, as follows: Flexible couplings for 63-in, 58-in. and 52-in. steel pipe in numbers varying from 10 to 36, depending upon the amount of such pipe awarded on proposals asked at this time. $2 deposit for plans.

Estimated cost, $350,000. The total cost of constructing the pipe line is estimated at $1,000,000.

Bids will be received under separate contracts for the manufacture, coating, hauling and installing of above work.

Plans and specifications obtainable from above office. Walter A. Kunigk, Water Superintendent. Ira S. Davisson, Utilities Commissioner.

APPLICATION FILED

GOLETA, Cal. — Application has been made by the Shell Oil Company for War Department permit to lay a submerged 3-inch pipe line across Goleta Slough near Goleta, Calif.

Drawings showing the location and plan of the proposed work may be seen at 751 S. Figueroa St., Los Angeles, until Monday, July 9, 11 A. M., or at the office of the applicant, 1008 W. Sixth St., Los Angeles.

Major H. H. Stickney, District Engineer.

32—SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

LOS ANGELES, Cal. — Martter & Bock, Ltd., 1007 S. Harvard Blvd., Los Angeles, at $24,958 awarded contract by the Veterans' Administration, Washington, D. C., for constructing a storm drain at the Veterans' Administration Facility, Sawtelle.

FUNDS GRANTED

COALINGA, Calif.—The PWA has granted $6,100 to the City of Coalinga to aid in financing the construction of a complete sewage treatment works and outfall sewer extension.

Contract for the construction was awarded to Stroud Bros. & Seabrook, Union Ave., Bakersfied, May 9, at $21,355.25.

July 2, 1934

FUNDS GRANTED

SONOMA, Sonoma Co., Cal.—PWA has granted $4,200 to the City of Sonoma to aid in financing the construction of an outfall sewer line extension.

Haywood McDonald, Sonoma, engineer.

GRAND COULEE, Wash. — Water Supply and Sewer Systems. See item under WATERWORKS (33)

July 5, 1934

BIDS WANTED

BAKER, Ore.—Until July 9, 12 M., bids will be received by the Baker City Commission, Walter A. Clark, City Clerk, for furnishing supplies, materials and equipment for the construction of a sewage disposal plant. Delivery fob cars at Baker, and/or fob cars at the site of the proposed plant at the north city limits.

Specifications obtainable from the above office upon deposit of $5.00.

33—WATERWORKS

BIDS WANTED.

NYE COUNTY, Nevada.—Until July 13 bids will be received by the Division of Purchase, Sales & Traffic, Dept. of Agriculture, Washington, D. C., for drilling, casing, and otherwise completing wells and cleaning existing wells on Railroad Valley Migratory Bird Refuge, Nye County, Nevada. Project No. 7267.

CONTEMPLATED

HOLLISTER, Cal.—The San Benito County High School District, Hollister, is planning the installation of a pumping plant and pressure system to cost approximately $3500.

Dr. J. M. O'Donnell, chairman of the Board.

BIDS OPENED

GRAND COULEE, Wash.—Arcorace & Co., Seattle (Felix Arcorace, $42 48th St., and L. Coluccio, 1638 Lane St.) at $51,804 submitted low bid to the U. S. Bureau of Reclamation, care Columbia Basin Commission, Civic Bldg., Spokane, for the construction of the water supply and sewer system for the Government camp at Grand Coulee Dam, under Spec. No. 575.

The other bids were:

L. Romano Engr. Corp., Seattle	$ 74,833.5[illegible]
Western Const. Co., Seattle	83,074.7[illegible]
Alloway & Georg, Spokane	106,533.0[illegible]

CONSTRUCTION COSTS ESTIMATED

REDDING, al.—Cost of constructing the municipal water system for the City of Redding, is estimated at $364,100 if the water supply is filtered from the Sacramento River, according to an estimate prepared by Baar & Cunningham, Spalding Bldg., Portland, Oregon, consulting engineers. Cost of a new system with the supply drawn from wells is estimated at $322,400. Cost of purchasing the existing system of the California Water Service Co. and rehabilitating it is estimated at $379,350. he latter estimate is based on a valuation of $224,000 for the existing system fixed by the California Railroad Commission, March 19, 1934.

A special election has been set by the Redding City Council for July 10 on a proposal to issue $260,000 in bonds to provide a municipal system.

W. K. Adams, City Engineer.

REJECTION RECOMMENDED

FRESNO, Cal. — Commissioner of Public Works Jean L. Vincenz has recommended to the State PWA Engineer, San Francisco, that all bids received June 20 by the Fresno City Council for one deep well turbine pump, complete, be rejected and the project re-advertised.

34—PARKS AND PLAY-GROUNDS

CONTRACTS AWARDED

WEST LOS ANGELES, Cal.—Contracts for landscaping for the cemetery at the Veterans' Administration Facility, Sawtelle, awarded by the Veterans' Administration, Washington D. C., June 26, are:

Beverly Hills Nurseries, items 1, 2, 3, 4, 8, 9, 11, 12, 14, 15, 16, 20, 25, 29, 35, 36, 37, 38, 39 and 40, $656.00.

Paul J. Howard Horticultural Establishment, Los Angeles, items 5, 6, 7, 10, 13, 17, 18, 19, 21, 23, 24, 26, 27, 28, 30, 31, 32, 33, 34 and 41.$2229.81.

COMPLETE BIDS

WEST LOS ANGELES, Cal.—Peterson Bros., 239 W. Olive St., Inglewood, submitted low bid and awarded contract on Item (1) by Veterans Administration, Washington, D. C., for constructing complete cemetery lawn sprinkling system at the Veterans Administration Facility, Sawtelle. The bid was: item (1) $23,694; (alt. A) $5[illegible]389; (alt. B) $9883; item (2) $20,175 (alt. A) $4420; (alt. B) $7518.00.

Other bids were:

National Sprinkler Co., Los Angeles, (1) $26,000 (a) $6775 (b) $8750 (2) $22,330 (a) $5110 (b) $7250.

Brooks of California, Inc., (1) $27,831.17 (a) $6338.37 (b) $8996.11 (2) $21,503.75 (a)$5181.20 (b) $7316.23.

Moody & Taylor, Los Angeles, (1) $28,440.17 (a) $6395.70 (b) $12,970.90 (2) $24,683.09 (a) $5432 (b) $11,585.90.

Fred G. Hummiston, Los Angeles

(1) $29,300 (a) $6306 (b) $10,642 (2) $25,780 (a) $4800 (b) $8700.

Lohman Bros., Los Angeles, (1) $29,820 (a) $6070 (b) $9059 (2) $25,900 (a) $5190 (b) $7775.

Johnston & Washer, Los Angeles, (1) $29,936 (a) $6102 (b) $10,500 (2) $26,436 (a) $5122 (b) $9302.

J. Hokom Co., Los Angeles, (1) $30,325.62 (a) $6741.48 (b) $10,357.42 (2) $26,397.38 (a) $5832.66 (b) $8838.03.

Thos. L. Dawson Co., Kansas City, Mo., (1) $31,000 (a) $6898 (b) $10,865 (2) $26,990 (a) $6033 (b) $9702.

R. A. Wattson, Los Angeles (1) $32,347 (a) $7270 (b) $11,889; (2) $29,659 (a) $5553 (b) $9274.

Garrett Co., San Pedro, (1) $32,700 (a) $7700 (b) $11,500 (2) $29,400 (a) $7700 (b) $11,500.

BIDS OPENED

SANTA PAULA, Cal.—Silveria & Robbins, Inc., P. O. Box 902, Ventura, submitted low bid to the Santa Paula High School District, June 28, for furnishing materials and constructing four tennis courts at the high school grounds. Complete bids follow:

PROPOSAL A

Santa Paula Rock Co.—(2) 200 yds. concrete sand, $1.35 ton, disc. 20 cents per yd.; (3) 285 yds. rock, $1.75 ton, disc. $.20 yd.; (4) 83 yds. river run sand, $1.35 ton, $.20 yd.; Peoples Lumber Co., (1) 2690 sacks cement, $.72 sack, by carload, $.80 sack delivered on job; (5) 26,225 lbs. reinf. steel, $3.34 cwt.

PROPOSAL B

Silveria & Robbins, items 1 to 10 incl. and item 12, for chain link fence, $8000; items 1 to 10 incl: and item 13, for 2x2 mesh fence, $7100.

Davis & Co., Inc., $8690 and $7818.

L. A. Cline, $9430 and $8458.

Richmond Electric Shop, Santa Paula, submitted the low bid on highway system only at $2320. Seaside Electric Co., Ventura, Bid $2680.

PROPOSAL C

Construction of four courts and resurfacing two existing courts with emulsified asph.:

Davis & Co., Inc., items 1 to 11 incl. and item 12, chain link fence, $9700; items 1 to 11, incl. and item 13, $8828.

L. A. Cline, $10,434 and $9463.

PROPOSAL D

Reinforcing two courts only:

Davis & Co., Inc., item 11 only, $1010.

L. A. Cline, item 11 only, $1031.

PROPOSALS E AND F

Eight identical bids were submitted for furnishing fencing materials only, Prop. E, both bids being $2223 based on item 12, chain link, and $1358 based on items 13, 2x2 mesh. The figures on Prop. F, furnishing materials and construction, item 12, $2715; item 13, $1751. Bidders were: Watkins Hardware Co., Santa Paula; Peoples Lumber Co., Santa Paula; H. E. LeSchoffs, representing J. E. Dwan, Inc., Standard Fence Co.; Anderson Fence Co.; Southern California Fence Co.; Butcher Hardware Co., and Owens-Rolls Co. All bids under advisement.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until July 17, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, for constructing approximately 734 lineal feet of fence, two twenty foot gateways and one 26 foot gateway (consisting of four, 10 foot gates and two 13 foot gates) at Hamilton Field. Bids will be taken as follows:

(1) Work complete with chain link fence;
(2) Alternated proposal to construct steel picket fences in place of chain link fences.

Plans and specifications may be obtained from above office upon deposit of $5.00 per set. A set of plans will be on file in the Builders' Exchange, 666 Mission St., San Francisco, and at the office of the Constructing Quartermaster, Fort Mason, San Francisco.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

LOS ANGELES, Cal.—T. E. Shafer, 405 N. Rampart Blvd., Los Angeles, at $28,499 awarded contract by Veterans' Administration, Washington D. C., for constructing roads, curbs, and gutters at the cemetery, Veterans' Administration Facility, Los Angeles; Proposal No. 215-A R. C. & G. Work consists of excavating and grading for roads, combined concrete curb and gutter, disintegrated granite base, premixed oiled macadam surface, catch basins, corrugated culverts, flagpole, etc.

CONTRACT AWARDED

LONG BEACH, Calif.—Sully-Miller Contr. Co., 1500 W Seventh St., Long Beach, at $4063.50 awarded contract by Long Beach City Council June 29 at $3.15 per ton for improving portions of First St. between Lindero Ave. and Paloma Ave.; and Second St. between Kennebeck Ave. and Orizaba Ave., Long Beach, by constructing asphalt pavement and all necessary grading, in accordance with Spec. No. R-778, involving 1290 tons of asphalt concrete.

BIDS WANTED

OROVILLE, Cal.—Until July 10, 2 P. M., bids will be received by C. F. Belding, Clerk, Board of Supervisors, Oroville, for the yearly maintenance of the following roads:

The Larkin Road from the Oroville-Gridley road to the Oroville-Willows road;

The Oroville-Forbestown road from the Oroville-Quincy road to the Lumpkin road;

The Pulga road from Big Bend road to the county line;

Meridian Road from State Highway to the county line.

Specifications obtainable from above and the county road engineer's office.

BIDS WANTED

TRINITY COUNTY, Cal.—Until July 31, 2 P. M., bids will be received by the U. S. Bureau of Public Works, 807 Sheldon Bldg., 461 Market St., San Francisco, for 19.794 miles of placing selected material and crushed gravel subgrade reinforcement on Sections A, B, C, D and E of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County.

NOTE—This bid call supersedes and cancels the previous call for Sections B, D, and E of Route 5, issued June 2.

The work involves:

(1) 1000 cu. yds. unclass. excav.;
(2) 360 cu. yds. unclass. excav. for structures;
(3) 12,200 cu. yds. selected material sub-grade reinforcement;
(4) 30,500 tons crushed gravel do;
(5) 2000 tons supplemental crushed gravel;
(6) 1000 M. gallons watering;
(7) 20,000 cu. yds. mi. hauling selected material subgrade reinf.;
(8) 1628 lin. ft. 8-in. perforated CMP in place;
(9) 360 cu. yds. crushed rock or gravel backfill.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

MARIPOSA AND TUOLUMNE COUNTIES, Cal.—Until July 26, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A1 of Route 4, the Tioga Road, Yosemite National Park, Mariposa and Tuolumne Counties. The work involves:

(1) 85 acres clearing;
(2) 264,000 cu. yds. unclass. excav.;
(3) 67,700 cu. yds. unclass. excav. for borrow;
(4) 3700 cu. yds. unclass. excav. for structures;
(5) 164,000 sta. yds. overhaul;
(6) 31,000 cu. yd. mi. borrow haul;
(7) 12.478 mi. finishing earth graded road;
(8) 6492 lin. ft. CMP (asphalt dipped) in place;
(9) 974 lin. ft. sectional C.M. arch culvert;
(10) 109 cu. yds. concrete;
(11) 8200 lbs. reinforcing steel;
(12) 555 cu. yds. masonry;
(13) 2800 cu. yds. hand laid rock embankment.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

SACRAMENTO, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $11,267.70 awarded contract by the Sacramento City Council for paving with asphaltic concrete a section of Freeport Blvd. in front of the Sacramento Junior College and Wm. Land Park.

CONTRACT AWARDED

VENTURA COUNTY, Cal. — Consumers Oil Co., 4600 E. 52nd Drive, Los Angeles, at $8480 awarded contract by the State Highway Commission, Sacramento, for treating 42.1 mi. with heavy fuel oil in Ventura County between Ojai and the westerly boundary.

NOTICE TO BIDDERS.

STATE OF CALIFORNIA.—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening July 19, in Los Angeles.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with Special Provision. Blue line prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened July 19, in Los Angeles.

(Opening July 19). VIII-SBd-26-Rld. Bet. Fourth St. and State St. in Redlands. Plans, No. of Sheets, 4; Cost, $0.40; Cross-Sections, No. of Sheets, none; Cost, none. Total, $0.40.

Requests for plans, specifications and proposal forms must be addressed to the office of the State Highway Engineer P. O. Box 1499, Sacramento, Calif.

Checks for the above should be made payable to the Department of Public Works, Division of Highways and should accompany the order to this office.

BIDS WANTED

MADERA COUNTY, Cal. — Until July 16, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, R. M. Gillis, District Engineer, State Highway Bldg., Fresno, for 16.4 miles of fuel oil treatment in Madera County, bet. 2.9 miles east of Madera and the junction of State Highway Route 125 and county road to Bates.

Plans and specifications obtainable from above office.

COMPLETE BIDS

FORT PECK, Montana. — Morrison-Glasscock-Connor Co., 1822 Main St., Kansas City, Mo., at $143,718.95 sub-

mitted low bid to the U. S. Engineer Office, Kansas City, Mo., for the construction of the left bank trestle for upstream toe of Fort Peck Dam.

Complete bids follow:

Morrison - Glasscock - Connor Co., Kansas City	$143,718.95
Addison Miller, St. Paul	149,887.50
F. Gaines, Fairland, Okla.	156,530.70
Frazier-Davis Co., St. Louis	163,415.50
Morris & Dougherty St. Paul	164,092.40
The Mossman Const. Co., Kansas City	170,133.00
Kansas City Bridge Co.	189,998.10

All bids held under advisement.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $8,171 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Oregon Avenue and Louis Road.

Complete bids follow:

A. J. Raisch, San Jose	$ 8,171
Earl W. Heple, San Jose	9,948
Granite Const. Co., Watsonville	13,250
L. F. Piazza, San Jose	14,875
Engineer's estimate	10,000

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $9,877 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Williams Road and Payne Avenue.

Complete bids follow:

A. J. Raisch, San Jose	$ 9,877
Irving L. Ryder, San Jose	10,181
Earl W. Heple, San Jose	13,170
L. F. Piazza, San Jose	14,948
Granite Const. Co., Watsonville	15,250
Engineer's estimate	10,500

CONTRACT AWARDED

SAN FRANCISCO — Pacific Pavements Co., Ltd., 85 Barstow St., San Francisco, at $32,271 awarded contract by the Public Utilities Commission, City Hall, for the repaving of street or sidewalk openings for the S. F. Water Department for the fiscal year ending June 30, 1935.

Pacific Pavements Co. were second low bidders. Complete bids published June 15.

BIDS WANTED

GRANT COUNTY, Ore.—Until July 18, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, for constructing or improving the Pendleton-John Day Surfacing Project NR-33-E1, F1, National Forest Road Project, Umatilla National Forest, Grant County, Oregon, a length of 8.13 miles.

The work involves:

(1) 2,000 c.y. unclass. excav. (slides);
(2) 8,000 tons subgrade reinf.;
(3) 8.13 miles fine grading, subgrade and shoulders;
(4) 17,000 tons crushed rock bottom course;
(5) 17,500 tons crush. rock top course;
(6) 800 tons crushed rock, supp.;
(7) 5,000 c.y. mi. binder haul;
(8) 1,000 M. gals. watering;
(9) 60 days operation roller;
(10) 2,000 c.y. binder.

Plans and specifications obtainable from the above office upon deposit of $10.00.

BIDS WANTED

KERN COUNTY, Cal. — Until July 25, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for grading and paving with Portland cement concrete about 5.2 miles in Kern County, between Fort Tejon and one mile north of Grapevine Station. The work involves:

(1) 347,000 cu. yds. rdwy. excav. unclass.;
(2) 4,900,000 sta. yds. overhaul;
(3) 7000 cu. yds. imported borrow;
(4) 4950 cu. yds. struc. excav.;
(5) 50,500 sq. yds. subgrade for pave.;
(6) 10,100 cu. yds. Class A Portland cem. conc. pavement;
(7) 130 cu. yds. structures;
(8) 313,700 lbs. bar reinforcing steel pavement and structures;
(9) 13 each spillway assemblies;
(10) 566 lin. ft. 8-in. C.M.P.;
(11) 306 lin. ft. 18-in. C.M.P.;
(12) 1300 lin. ft. 24-in. C.M.P.;
(13) 378 lin. ft. 30-in. C.M.P.;
(14) 132 lin. ft. 36-in. C.M.P.;
(15) 178 lin. ft. 48-in. C.M.P.;
(16) 100 lin. ft. 96-in. C.M.P.;
(17) 1 cast steel frame and cover for drop inlet;
(18) 6200 lin. ft. laminated timber guardrail;
(19) 1600 lin. ft. special solid timber guard rail;
(20) 7100 lin. ft. removing guard rail;
(21) 2000 lin. ft. resetting exist guard rail;
(22) 70 each timber guide posts;
(23) 19 each culvert markers;
(24) 3.1 mi. new property fences;
(25) 10 each fence gates complete, in place;
(26) 0.5 mi. remove and dispose of existing property fence;
(27) 2800 cu. yds. special riprap;
(28) 6775 tons crushed gravel or stone oil treated detours and road connections;
(29) 2150 bbls. heavy fuel oil;
(30) 47,000 sq. yds. mixing and shaping oil treated surfacing;
(31) 2925 cu. yds. salvaging detour surfacing;
(32) 1500 cu. yds. placing salvaged surfacing;
(33) 900 cu. yds. removing and disposing of concrete in existing pavement and structures;
(34) 14,500 M. gals. water;
(35) 95 stations finishing roadway;
(36) 30 each monuments complete, in place;
(37) Remove and dispose of existing timber bridge;
(38) 615 cu. yds. Class A Portland cement concrete bridge;
(39) 211,000 lbs. structural steel;
(40) 6150 lbs. cast steel;
(41) 458 lin. ft. timber hand rail;
(42) 1 lot miscellaneous items of work, bridge details.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

LINCOLN Ore.—Until July 9, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, third floor, Public Service Bldg., Portland, R. H. Baldock, State Highway Engineer, for grading and surfacing 0.64 mile and furnishing crushed rock or crushed gravel in stockpiles on the Toledo section of Corvallis-Newport Highway, National Recovery Project No. NRM 150-B, in Lincoln County. The work involves:

(1) 21,750 c.y. excavation;
(2) 95 c.y. Class A concrete in reinf. concrete retaining wall;
(3) 4500 c.y. roadbed topping;
(4) 2150 c.y. crushed rock or crushed gravel surfacing;
(5) 1700 c.y. do in stockpiles.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5 per set.

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Oswald Bros., 366 E. 58th St., Los Angeles, at $54,715.15 awarded contract by the Los Angeles County Board of Supervisors for the improvement of Center St. in the vicinity of Rivera and Whittier, from San Gabriel Blvd. to Whittier Blvd., a distance of 3.36 miles.

CONTRACT AWARDED

RIVERSIDE COUNTY, Cal.—Morgan Brothers, 5919 Maywood Ave., Huntington Park, at $5757.75 awarded contract by the State Highway Commission, Sacramento, for 31.7 mi. fuel oil treatment of existing roadbed in Riverside County, between Temecula River Bridge and San Diego County Line, near Aguanga, and between Hemet and Sage.

CONTRACT AWARDED

LOS ANGELES, Cal.—T. E. Shafer, 405 Rampart Blvd., Los Angeles, at $28,499 awarded contract by the Veterans' Administration, Washington, D. C., for the construction of roads, curbs and gutters, etc., at the Veterans' Administration Facility, Los Angeles, under Proposal 215-2 R.C. and G.

LOW BIDDERS

APACHE COUNTY, Arizona—Everly & Allison, 900 N First St., Albuquerque, N. M., at $8406 submitted low bid to the U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for 4.1 mi. subgrade reinforcement on Section B2 of Route 1, Petrified Forest National Mounment, Apache County.

Leo Frost, Joseph City, Arizona, at $8450 and Hogman & McVicar, Flagstaff, Arizona, at $8866 submitted second and third low bids respectively.

Engineer's estimate, $6595.

COMPLETE BIDS

INYO & MONO COS., Cal.—Paulsen & March, Inc., 8275 Compton Ave., Los Angeles, at $2.18 per bbl., total, $6747.10, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. W. Lowden, District Engineer, for 25.7 miles of existing roadbed to be treated with 3095 barrels of heavy fuel oil (60-70 in Inyo and Mono counties, at various locations between 6.4 miles north of Bishop and the California-Nevada state line.

Complete bids follow:

Paulsen & March, Inc., Los Angeles $2.18 per bbl.; total, $6,747.10.

Oilfields Trucking Co., Bakersfield, $2.37 per bbl.; total, $7,335.15.

Gilmore Oil Co., Los Angeles, $2.43 per bbl.; total, $7,520.85.

Tieslau Bros., Inc., Berkeley, $2.81 per bbl.; total, $8,696.95.

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until July 16, 2 P. M., bids will be received at the office of the Superintendent of Lighthouses, Room 424, Custom House, San Francisco, for the construction of a roadway approximately four miles in length, extending from the west end of the suspension bridge which crosses the Mattole river at a point about one mile south of the town of Petrolia, Humboldt County, in a westerly direction down the left bank of the Mattole river for a distance of approximately 20,600 ft. to a connection with the county road already constructed.

Plans and specifications obtainable from the above office upon deposit of $10.00.

CONTRACT AWARDED

RIVERSIDE & San Bernardino Cos. Cal.—George Herz & Co., Platt Bldg., San Bernardino, at $11,920.70 awarded contract by the State Highway Commission, Sacramento, for 22.7 miles of fuel oil treatment of existing roadbed in Riverside and San Bernardino counties between Forest Boundary near Hemet and Keen Camp, and between Dobie Corner and 5 miles north of Adelanto.

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending June 5:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
Los Angeles Board of Public Works	Tunnel Station Bridge	Person & Thiele, Los Angeles	$ 33,387.41	June 9
Los Angeles Board of Public Works	Sepulveda Blvd. improvement	Southern Calif. Roads Co., Los Angeles	$ 86,371.84	June 9
Los Angeles County Board of Supervisors	Diamond core drilling, San Gabriel Dam	Cannon Bros., Compton	$ 14,790.00	June 11
Oakland Port Commission Commission	Sprinkler system and fire hose Harrison and Fell Streets	Albertson McCormick Sprinkler Co., S. F.	$ 15,642.00	June 12
Public Utilities Comm. S. F.	Merced Manor street lighting system	Central Electric Co., San Francisco	$ 11,900.00	June 12
Department of Public Works. San Francisco	Fifteenth Street sewer	Eaton & Smith, San Francisco	$155,250.80	June 13
Board of Public Works, Los Angeles	Gaffey Street bridge	Person & Thiele, Los Angeles	$152,492.51	June 13
Maywood City Council	Culverts	Kovacevich & Price, South Gate	$ 8,103.50	June 13
San Rafael City Council	Street Improvement	Pacific States Const. Co., San Francisco.	$ 9,275.47	June 14
San Francisco Public Utilities Commission	San Francisco Bay Crossing Pipe Line No. 2 (Secs. A & B)	Western Pipe & Steel Corp., S. F.	$1,732,437.80	June 14
San Francisco Public Utilities Commission	San Francisco Bay Crossing Pipe Line No. 2 (Section C)	American Concrete & Steel Pipe Corp., Oakland	$638,969.20	June 14
Pocatello, Idaho, City Council	Water storage reservoir	Paul Paulsen, Salt Lake City	$113,051.00	June 16
City and County of San Francisco	Laguna Honda School Reconstruction	Wm. Spivock, S. F.	$ 61,290.00	June 16
Los Angeles County Board of Supervisors	Concrete conduit, Glendale	Brock & Clark, L. A.	$ 21,720.63	June 19
Santa Paula City Council	Street improvement	R. A. Wattson, Los Angeles	$ 12,045.18	June 20
San Francisco Department of Public Works	Sixteenth Street sewer	C. C. W. and H. H. Haun, S. F.	$ 49,215.50	June 20
San Francisco Department of Public Works	Visitacion Valley sewer	MacDonald and Kahn Co., S. F.	$ 25,515.15	June 20
San Francisco Department of Public Works	Lowell high school repair and reconstruction	H. L. Petersen, S. F.	$ 70,000.00	June 23
Crocker-Huffman Land & Water Co., Merced	Steel water storage tank, Merced	Pittsburgh Des Moines Steel Co., S. F.	$ 21,000.00	June 25
Snohomish, Wash., City Council	Pipe line from city reservoir to Fifth Street	R. Mastro, Seattle	$ 9,468.00	June 25
Snohomish, Wash., City Council	Wood pipe from main gravity line	Federal Pipe & Tank Co., Seattle	$ 93,644.00	June 25
Snohomish, Wash., City Council	Main line over Hill Route	Acme Const. Co., Seattle	$ 48,741.00	June 25
Carlin, Nevada, City Council	Reservoir, septic tank and sewage pumping station	Mullins and Wheeler, Salt Lake City	$ 15,448.00	June 25
Carlin, Nevada, City Council	Trenching, laying sewer & water lines	Mullins and Wheeler, Salt Lake City	$ 22,185.00	June 25
San Francisco Public Utilities Commission	Lighting conduits, Tenth, Bryant, Harrison & Fell Sts.	Globe Electric Works, San Francisco	$ 14,598.00	June 26
San Francisco Public Utilities Commission	Ornamental street lighting system, Potrero Avenue	Severin Electric Co., San Francisco	$ 30,876.00	June 26
Riverside City Council	S-turn and resurfacing	B. G. Carroll, San Diego	$ 25,070.92	June 29
Los Angeles Board of Public Works	Street improvement	Geo. J. Bock & Son, Los Angeles	$ 21,256.33	June 28
San Joaquin County Board of Supervisors	Water tube boiler and foundations and stack	C. C. Moore & Co. San Francisco	$ 14,105.00	June 28
Sacramento City Council	Street improvement	A. Teichert and Son, Sacramento	$ 11,267.70	June 29
Santa Clara County Board of Supervisors	Williams Road and Payne Ave. improvement	A. J. Raisch Paving Co., San Jose	$ 9,877.00	July 2
Santa Clara County Board of Supervisors	Oregon Avenue and Louis Road improvement	A. J. Raisch Paving Co., San Jose	$ 8,171.00	July 2
Los Angeles Board of Public Works	Excavation	J. W. & E. M. Breedlove, Los Angeles	$ 15,000.00	July 2
Napa County Board of Supervisors	2.25 miles Old Sonoma Road improvement	E. A. Forde, San Anselmo	$ 6,584.90	July 2
San Francisco Department of Public Works	Repair John Swett school	William Spivock, San Francisco	$ 40,000.00	July 2
Alameda High School District	Shop building	W. G. Thornally, Oakland	$ 9,980.00	July 2
Sacramento County Board of Supervisors	Women's Dormitory addition	Azevedo & Sarmento, Sacramento	$ 48,600.00	July 2
San Francisco Public Utilities Commission	Repaving	Pacific Pavements Co., San Francisco	$ 32,271.00	July 3
Los Angeles County Board of Supervisors	3.36 miles street improvement	Oswald Bros., Los Angeles	$ 54,715.15	July 3
Los Angeles County Board of Supervisors	Del Mar Avenue bridge	J. E. Burell, E. S. McKittrick, Huntington Park	$ 40,692.00	July 3

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

FLAGSTAFF (Ariz.) — Railroad Underpass — (State)

FLAGSTAFF, Ariz.—N. G. Hill and Co. and H. L. Royden, 1145 W. Culver St., Phoenix, at $74,425.15, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix June 20, for constructing a railroad underpass in Flagstaff, NRM 21 (AFE 507). The work, which is located within the city limits of Flagstaff, consists of the construction of a railroad underpass and incidental grading, draining, and paving work and involves:

(1) 12,133 c.y. rdwy. excav., unclass.;
(2) 130 c.y. drainage do;
(3) 1,016 c.y. struc. do;
(4) 408 c.y. concrete in underpass, except footings (CIP);
(5) 752 c.y. Class A concrete, including cement;
(6) 48 c.y. Class B do;
(7) 98,931 lbs. reinf. steel bars, (CIP)
(8) 18,196 lbs. struc. steel (CIP);
(9) 12 l.f. 12-in. CMP (CIP including bands);
(10) 60 l.f. 18-in. do;
(11) 224 l.f. 24-in. do;
(12) 414 l.f. 30-in. do;
(13) 3 each catchbasins (CIP);
(14) 1 each manhole (CIP);
(15) 7 each placing manhole covers to grade (CIP);
(16) 1,693 l.f. combined curb and gutter, type A (CIP);
(17) 986 l.f. do, type B (CIP);
(18) 4,089 sq. yds. 6-in. conc. pave. (CIP);
(19) 150 sq. ft. 4-in. sidewalk (CIP);
(20) 2,620 c.y. placing stockpiled aggregate base course (CIP);
(21) 954 c.y. placing stockpiled plant mix (CIP);
(22) 54 c.y. placing stockpiled screenings (CIP);
(23) 9 tons cutback asphalt (for seal coat) CIP);
(24) 13 M. gals. sprinkling (CIP);
(25) 480 l.f. reconstructing line fence (CIP);
(26) 17 each sign posts (CIP);
(27) 2 each cartouche (CIP);
(28) 400 l.f. 4-in. vitrified clay pipe (drain) CIP;
(29) 122 l.f. 3-in. cast iron pipe do;
(30) 1 lump sum, removal of trees;
(31) 1 lump sum membrane and asph. plank waterproofing (CIP);
(32) 1 lump sum, electrical equipment (CIP);
(33) 1 lump sum, lowering spur track (at approx. sta. 3 plus 53) CIP: including excavation, ballast and ties.

Complete bids follow:

(A) N. G. Hill & Co., and H. L. Royden, Phoenix, $74,425.15.
(B) Vinson & Pringle, Phoenix, $78,092.57.
(C) All-Arizona Engr. Co. and Olds Bros. Lumber Co., Clifton, $79,681.68.
(D) Pearson and Dickerson, Prescott, $79,788.67.
(E) Strong & Grant, Springerville, $83,347.25.
(F) New Mexico Const. Co., Albuquerque, $85,818.00.
(G) Geo. W. Orr, Flagstaff, $87,204.25.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 1.10	$ 1.40	$ 1.25	$ 1.42	$ 1.25	$ 1.70	$ 1.85
(2)	2.00	.85	1.50	.90	2.00	2.45	1.75
(3)	1.75	2.30	2.00	3.35	3.00	3.00	3.00
(4)	22.75	24.70	26.00	23.50	24.00	23.50	25.00
(5)	22.75	21.00	26.00	22.60	24.00	26.00	25.00
(6)	22.75	21.00	25.00	22.00	24.00	20.00	24.00
(7)	.048	.05	.05	.05	.05	.055	.05
(8)	.135	.14	.13	.16	.15	.15	.14
(9)	1.75	1.50	1.45	1.50	3.00	1.05	1.60
(10)	2.00	2.00	2.15	2.00	3.00	1.40	2.00
(11)	3.00	3.00	3.20	3.00	4.00	2.20	3.00
(12)	3.50	3.65	4.20	3.50	5.00	2.80	3.50
(13)	80.00	27.00	50.00	25.00	100.00	45.00	70.00
(14)	100.00	87.00	100.00	85.00	100.00	50.00	150.00
(15)	10.00	10.00	10.00	18.00	20.00	7.00	15.00
(16)	1.40	.93	1.10	.90	1.10	1.10	.87
(17)	1.50	1.50	1.50	1.30	2.00	1.10	1.25
(18)	2.50	2.95	2.90	3.00	2.75	2.90	2.70
(19)	.30	.23	.25	.23	.50	.45	.25
(20)	.50	.34	.30	.30	1.00	.40	.40
(21)	1.00	.45	.50	.60	1.00	.55	1.00
(22)	1.00	1.16	.50	3.00	1.00	1.25	2.00
(23)	60.00	70.00	50.00	60.00	60.00	42.00	50.00
(24)	4.00	4.50	3.00	5.00	3.00	3.75	3.00
(25)	.10	.18	.15	.13	.10	.10	.25
(26)	15.00	8.00	15.00	10.00	10.00	7.50	10.00
(27)	25.00	100.00	85.00	100.00	150.00	120.00	200.00
(28)	.70	.70	.50	.32	.40	.37	.50
(29)	1.00	.60	.75	.65	2.00	.65	.65
(30)	200.00	350.00	50.00	130.00	200.00	40.00	60.00
(31)	2200.00	2220.00	2110.00	2000.00	2200.00	2450.00	2250.00
(32)	1000.00	686.00	650.00	800.00	800.00	1000.00	750.00
(33)	500.00	475.00	80.00	275.00	1000.00	500.00	700.00

All bids held under advisement.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—Pacific States Const. Co., Call Bldg., San Francisco, at $24,864.28 (work complete) submitted low bid to the Constructing Quartermaster, Hamilton Field, San Rafael, for the construction of a 6-inch compacted rock base runway at Hamilton Field.

Bids were taken as follows:

I: Construction complete of a 6-in. compacted rock base runway, including all drainage, excavation, compacted rock base.

II: Deduct from Item 1 if excavated material is taken from Government borrow pits on the reservation as selected by Constructing Quartermaster, in lieu of crusher run base or imported borrow (alternate).

III: Construction and completion of the runway with finished surface of oil and screenings (Alternate).

IV: Construction and completion of the runway with a surface of plant mix bituminous surfacing of the plastic type (alternate).

V: Construction and completion of the runway with a finished surface of asphalt armor coat surf. (alternate).

VI: Construction and completion of the runway with a finished surface of crushed stone leveling course, bituminous binder and natural rock asphalt seal coat (alternate).

Complete bids follow:

(A) Pacific States Const. Co., San Francisco, (I) $24,864.28 (II) $5,221.68 (III) $4,960.52 (IV) $32,182.30 (V) $15,403.72 (VI) $35,245.80.

(B) N. M. Ball, Berkeley, (I) $25,406 (II) $2,600 (III) $8,870 (IV) $40,310 (V) $17,890 (VI) $47,000.

(C) Garcia Const. Co., Irvington (I) $36,950.30 (II) $12,903.10 (III to VI) inclusive, no bids.

(D) E. A. Forde, San Anselmo, (I) $48,646.08 (II) $5,102.50 (III) $4,677.34 (IV) $37,192.50 (V) $15,812.74 (VI) $33,725.22.

Unit quantities follow:

(1) trench excav., common per c.y.;
(2) common excav., per c.y.;
(3) 4-in. T. C. drain, including rock backfill, per l.f.;
(4) 6-in. T. C. drain, do;
(5) 8-in. T. C. drain, do;
(6) 10-in. T. C. drain, do;
(7) 14-in. T. C. drain, do;
(8) 10-in. T. C. drain of bell and spigot, per l.f. in trenches;
(9) 12-in. do;
(10) 4 manholes, complete, including castings (each);
(11) crushed rock, 6-in. compacted per sq. yd.;
(12) imported borrow, 6-in. do;
(13) borrow from government pit, 6-inch compacted, per sq. yd.;
(14) corrugated drain pipe, 15-in. dia. per l.f.;
(15) concrete (1-2-4) per c.y.

All bids held under advisement.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .25	$ .25	$ .52	$ .26
(2)	.20	.30	.48	.26
(3)	.44	.52	.76	.40
(4)	.55	.64	.83	.56
(5)	.77	.79	.95	.91
(6)	.94	.91	1.05	1.05
(7)	1.65	1.27	1.45	1.78
(8)	.58	.62	1.39	.64
(9)	.75	.73	1.58	.80
(10)	42.00	30.00	65.00	40.00
(11)	1.25	.46	.07	.3144
(12)	.79	.162	.235	.28
(13)	.55	.14	.09	.25
(14)	2.50	2.30	3.84	2.62
(15)	16.00	20.00	10.00	8.50

BIDS OPENED

SAN FRANCISCO—E. J. Treacy, 309 Call Bldg., San Francisco, at $16,767.89 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the construction of a sewer and appurtenances in Sloat Blvd. and forty-fourth Avenue, involving.

(1) 689 lin. ft. 2-ft. 6-in. x 3-ft. 9-in. reinf. concrete sewer;
(2) 1130 lin. ft. 2-ft. 0-in. x 3-ft. 0-in. reinf. concrete sewer;

(3) 453 lin. ft. 2-in. V.C.P. sewer in place;
(4) 120 lin. ft. 12-in. V.C.P. sewer, in place;
(5) 1 reinf. conc. taper structure from 2-ft. 6-in. by 2-ft. 9-in. to 2-ft. 0-in. by 3-ft. 0-in.;
(6) 7 brick or concrete manholts on reinf. concrete sewer;
(6) 7 brick or concrete manholes on P. sewer;
(8) 26 21-ft. x 6-in. wye or tee branches.

Complete bids follow:
(A) E. J. Treacy, San Francisco, $16,-767,89.
(B) M. J. Lynch, San Francisco, $18,-326.59.
(C) J. S. Heilmann, San Francisco, $18,643.75.
(D) Eaton & Smith, San Francisco, $19,812.22.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 9.11	$ 9.50	$ 9.20	$ 10.09
(2)	7.17	8.00	8.35	8.17
(3)	3.00	3.00	3.65	4.87
(4)	2.80	3.00	3.00	5.00
(5)	150.00	300.00	114.00	133.00
(6)	40.00	70.00	64.00	57.00
(7)	80.00	90.00	95.00	93.00
(8)	4.00	2.00	4.00	4.00

All bids held under advisement and referred to the City Engineer and PWA Engineer.

BIDS OPENED

SACRAMENTO COUNTY, Cal.—P. F. Bender, 1012 Del Paso Blvd., Sacramento, at $1,866.10 submitted low bid to the Sacramento County Board of Supervisors, Sacramento, for the construction of a concrete bridge on the Elder Creek Road.

Complete bids follow:
(A) P. F. Bender, Sacramento, $1,-866.10.
(B) J. M. Yoho, Sacramento, $2,299.90.
(C) Campbell Const. Co., Sacramento, $2,397.70.
(D) Poulous & McEwen, Sacramento, $3,150.50.

Unit quantities follow:
(1) 101 c.y. 6 Sac. concrete;
(2) 2.9 c.y. 9 Sac. concrete;
(3) 9,800 lbs. reinforcing steel;
(4) 120 c.y. excavation.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$12.60	$16.60	$14.20	$22.00
(2)	30.00	66.00	120.00	60.00
(3)	.045	.045	.0475	.0525
(4)	.75	.85	1.25	2.00

All bids held under advisement.

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BIDS OPENED

NAPA COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $14,577.75 submitted low bid to the Department of Public Works, Division of Highways, John H. Skeggs, Dist. Engineer, State Bldg., San Francisco, for 0.6 mi. surfacing with crusher run base and bituminous treated crushed gravel or stone in Napa County, bet. Napa and Greenwood Corner.

Complete bids follow:
(A) E. A. Forde, San Anselmo, $14,-$577.75.
(B) Pacific States Constr. Co., San Francisco, $15,583.75.
(C) Lee J. Immel, Berkeley, $15,936.
(D) Ransome Co., Emeryville, $16,-237.50.
(E) Tieslau Bros., Berkeley, $——.
(1) 5250 tons crusher run base, in place (A) $1.60; (B) $1.70; (C) $1.70; (D) $1.80; (E) $1.78.
(2) 1300 tons crushed gravel or stone in place (bituminous treated surfacing), (A) $3.35; (B) $3.50; (C) $3.70; (D) $3.50; (E) $3.35.
(3) 75 tons cutback asphalt, in place (A) $17; (B) ....18; (C) $19; (D) $20.50; (E) $19.45.
(4) 125 bbls fuel oil, in place (A) $1.75; (B) $2.15; (C) $2.40; (D) $2.24; (E) $2.33.
(5) 140 tons screenings, in place, (A) $2.35; (B) $3.50; (C) $3.40; (D) $3.00; (E) $2.95.

COMPLETE BID LISTING

SISKIYOU COUNTY Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $8,119.80, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Redding, for 9.6 miles bituminous seal coat in Siskiyou County between McCloud and the junction of Routes 3 and 83, near Mount Shasta City.

Unit items follow:
(1) 117 tons asphalt road oil in place;
(2) 900 c.y. rock screenings in place.

Complete bids follow:
Hanrahan Co., San Francisco, (1) $29.40; (2) $5.20; (total) $8,119.80.
Ransome Co., Emeryville, (1) $27.25 (2) $5.55; (total) $8,183.25.
E. F. Hilliard, Sacramento, (1) $35; (2) $6.25; (total) $9,720.00.
(Tieslau Bros., Berkeley, (1) $29.40; (2) $7.80; (total) $10,459.80.

SACRAMENTO, Calif. — Campbell Const. Co., 800 R St., Sacramento, at $16,425 submitted low bid to American River Control District, C. H. Merry, Secretary, Sacramento, for the construction of a flood retaining wall and plant building, Station 160 plus 20 to Station 163 plus 70, south levee, Sacramento.

Complete bids follow:
(A) Campbell Const. Co., Sacramento, $16,425.00.
(B) P. F. Bender, Sacramento, $18,-660.00.
(C) C. F. Unger, Sacramento, $19,-036.75.
(D) Fred H. Betz, Sacramento, $19,-, 365.00.
(E) C. J. Hopkinson, Sacramento, $19,684.00.

Unit quantities follow:
(1) 133 c.y. Class A Portland cement concrete;
(2) 35 c.y. Class B do;
(3) 559 c.y. Class C do;
(4) 26,500 lbs. reinforcing steel;
(5) 1 lot misc. items of work.

Unit bids follow:

	(A)	(B)	(C)
(1)	$1,729.00	$1,343.30	$1,482.95
(2)	402.50	330.75	376.25
(3)	5,310.50	4,891.35	5,841.55
(4)	1,192.50	1,192.50	1,113.00
(5)	7,787:50	10,859.00	10,223.00

	(D)	(E)
(1)	$1,496.25	$2,118.00
(2)	385.00	427.00
(3)	5,869.50	6,652.00
(4)	1,086.50	1,013.00
(5)	10,517.75	9,474.00

All bids held under advisement.

CONTRACT AWARDED

NAPA COUNTY, Cal.—E. A. Forde 640 Redhill Ave., San Anselmo, at $3877 submitted low bid and awarded contract by the Napa County Board of Supervisors for the improvement of 2.4 mi. of the Petrifier Forest Road, Napa County.

Complete bids follow:
(A) E. A. Forde, San Anselmo, $3877.
(B) Lee J. Immel, Berkeley, $4658.50.
(C) Harold Smith, St. Helena, $4,-997.50.
(D) Ransome Co., Emeryville, $5,-152.30.

Unit bids follow:
(1) 150 tons crushed rock screenings in place, (A) $2.56; (B) $3.19; (C) $3.25; (D) $3.49.
(2) 60 tons asphaltic oil, in place, (A) $15.55; (B) $16.50; (C) $21; (D) $18.98.

CONTRACT AWARDED

SONOMA COUNTY, Cal.—A. T. Howe, 111 Stanford St., Santa Rosa, awarded contract by the Sonoma County Board of Supervisors, George P. Sanborn, Clerk, Santa Rosa, for grading McClellan Road, Sonoma County. All bids submitted on unit price basis. The work involves:
(1) 6000 cu. yd.s unclass. excav.;
(2) 35 cu. yds. Class A concrete box culvert;
(3) 2000 lbs. reinforcing steel;
(4) 30 lin. ft. 12-in. concrete pipe in place;
(5) 70 lin. ft. 24-in. do;
(6) 66 lin. ft. 30-in. do;
(7) 3700 lin. ft. fencing;
(8) 3 12-in. gates.

Bidders follow:
(A) A. T. Howe, Santa Rosa.
(B) R. I. Slyter, San Anselmo.
(C) Albert Helwig, Sebastopol.
(D) Lee J. Immel, Berkeley.
(E) Thomas J. Doyle, San Francisco.

	(A)	(B)	(C)	(D)	(E)
(1)	$ .37	$ .40	$ .45	$ .47	$ .40
(2)	15.00	17.56	16.00	21.00	16.00
(3)	.045	.05	.05	.05	.05
(4)	.90	1.25	.80	1.30	.75
(5)	2.00	2.75	2.00	2.90	1.70
(6)	3.50	4.00	3.60	4.70	2.75
(7)	.13	.16	.12	.15	.12
(8)	48.00	45.00	45.00	72.00	10.12

CONTRACT AWARDED

NAPA COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $6584.90 submitted low bid and awarded contract by the Napa County Board of Supervisors for 2.25 mi. of the Old Sonoma Road from the junction of Congress Valley Road to Carnero's Creek in Napa County.

Complete bids follow:
(A) E. A. Forde, San Anselmo, $6,-584.90.
(B) Ransome Co., Emeryville, $7319.50
(C) Lee J. Immel, Berkeley, $7594.40.
(D) Harold Smith, St. Helena, $8394.
(E) S. F. Paving Co., San Francisco, $8997.91.

Unit bids follow:
(1) 2.25 mi. repair rdwy. and shoulders, (A) $100; (B) $100; (S) $250; (D) $250; (E) $739.16.
(2) 2110 tons crushed rock & screenings, (A) $2.21; (B) $2.46; (C) $2.59; (D) $2.65; (E) $2.12.
(3) 112 tons asphaltic oil, in place, (A) $15.15; (B) $17; (C) $16; (D) $20; (E) $25.55.

BIDS OPENED

SAN FRANCISCO—A. J. Raisch, 251 Kearny St., San Francisco, at $78,-864.26 submitted low bid to the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 0.7 miles along Harrison street between Fifth St. and Tenth St., in San Francisco, involving:
(1) 10,120 tons crusher run base;
(2) 14,000 sq. yds. asph. paint binder;
(3) 4780 tons asphalt concrete;
(4) 1000 cu. yds. Class "A' Portland cement concrete pavement;
(5) 350 cu. yds. Class "A" Portland cement concrete sidewalks;
(6) 180 cu. yds. Class "B" Portland cement concrete curb backing;
(7) 560 cu. yds. removing existing sidewalks;
(8) 6170 lin. ft. remove and reset stone curbs;
(9) 2000 sq. ft. redressing stone curbs
(10) 200 lin. ft. furnish and place new stone curbs tangent;
(11) 720 lin. ft. furnish and place new stone curbs, circular;
(12) 90 each remove and reset side sewer traps;
(13) 45 each remove and reconstr. brick catchbasins;
(14) 8 each new brick catchbasins;
(15) 22 each remove and reset manhole frames and covers;
(16) 1 only new brick manhole;
(17) 9 each new brick manholes on piles;

(18) 1575 lin. ft. 6-in. vit. clay pipe side sewer;
(19) 65 lin. ft. 12-in. vit. clay pipe sewer;
(20) 527 lin. ft. 12-in. vit. clay pipe sewer encased in concrete;
(21) 235 lin. ft. 18-in. vitrified clay pipe sewer encased in concrete;
(22) 247 lin. ft. 21-in. vit. clay pipe sewer encased in concrete;
(23) 172 lin. ft. reinf. conc. sewer on piles;
(24) 18 each 12-in. by 6-in. wye branches in place;
(25) 12 each 18-inch by 6-inch wye branches in place;
(26) 9 each 21-in. by 6-in. wye branches in place;
(27) 13,440 lin. ft. furnish untreated Douglas fir piles;
(28) 168 each driving Douglas fir piles
(29) 300 each cross walk markers;
(30) 840 tons crusher run base car track area;
(31) 1310 tons asphalt conc. car track area;
(32) 4000 sq. yds. asph. paint binder car track area;

Complete bids follow:

(A) A. J. Kaisch, San Francisco, $78,-864.26.
(B) Union Paving Co., San Francisco, $91,592.30.
(C) Chas. L. Harney, San Francisco, $94,604.
(D) Fay Improvement Co., San Francisco, $109,559.54.

	(A)	(B)	(C)	(D)
(1).....	$ .75	$ 1.60	$ 1.50	$ 1.80
(2).....	.02	.02	.03	.025
(3).....	3.90	4.15	4.20	4.33
(4).....	9.20	7.00	10.00	13.80
(5).....	11.00	10.00	11.60	14.50
(6).....	6.00	8.50	10.60	9.00
(7).....	6.00	2.50	2.50	3.00
(8).....	.45	.35	.40	.45
(9).....	.30	1.10	.50	.80
(10).....	1.75	2.00	1.60	1.75
(11).....	2.25	2.50	2.00	2.22
(12).....	8.00	8.00	6.00	14.00
(13).....	40.00	40.00	70.00	60.00
(14).....	70.00	90.00	95.00	167.50
(15).....	5.00	11.00	6.00	12.00
(16).....	70.00	125.00	95.00	95.00
(17).....	70.00	125.00	125.00	110.00
(18).....	1.00	1.60	2.00	1.65
(19).....	1.50	2.00	3.00	3.95
(20).....	5.57	6.00	8.00	7.92
(21).....	7.44	10.00	11.00	11.20
(22).....	8.21	11.00	12.50	13.00
(23).....	26.70	27.00	20.00	33.00
(24).....	2.00	1.25	1.25	1.50
(25).....	3.00	3.25	3.00	4.50
(26).....	4.00	5.00	4.00	6.00
(27).....	.18	.22	.25	.24
(28).....	25.00	30.00	20.00	23.00
(29).....	.25	.25	.20	.30
(30).....	.75	1.60	1.50	1.80
(31).....	3.90	4.15	4.20	4.33
(32).....	.02	.02	.03	.025

COMPLETE BIDS

APACHE COUNTY, Ariz.—Everly & Allison, 900 N. First St., Albuquerque, N. M., at $8,406.00, as previously reported, submitted low bid to the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, June 28, for 4.1 miles subgrade reinforcement on Section B2 of Route 1, Petrified Forest National Monument, Apache County.

The items were:
(1) 5,300 c.y. subgrade reinforcement;
(2) 7,800 c.y. mi. hauling subgrade do.

Complete bids follow:

(A) Everly & Allison, Albuquerque, N. M., $8,406.00; (1) $1.38; (2) $.14.
(B) Leo Frost, Joseph City, Ariz., $8,450; (1) $1.30; (2) $.20.
(C) Hodgman & MacVicar, Holbrook Ariz., $8,886; (1) $1.50; (2) $.12.
(D) Engineer's estimate, $6,595; (1) $0.95; (2) $.20.

Rejection of all bids has been recommended. 29

BIDS OPENED

HUMBOLDT COUNTY, Cal.—Mercer-Fraser Co., Second and Commercial Sts., Eureka, at $66,824.10 submitted the only bid to the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone about 1.5 miles between southerly city limits and Wabash Avenue in Eureka, Humboldt County.

Unit bids follow:
(1) 5100 cu. yds. rdwy. excav., unclass., $.66.
(2) 12,650 sta. yds. overhaul, $.02.
(3) 9,700 cu. yds. imported borrow, $.63
(4) 17400 cu. yds. struc. excav., $1.25.
(5) 960 tons untreated crushed gravel or stone surfacing, $2.75.
(6) 2,660 tons sand oil treated surf.; $2.10.
(7) 6,410 tons crush. gravel or stone bituminous treated surf., $4.50.
(8) 290 tons grade E asphalt, $19.00.
(9) 18,120 sq. yds. asph. paint binder $.04.
(10) 135 tons asphaltic road oil, $18.00.
(11) 65 bbls. light fuel oil detours, $6.50.
(12) 55 cu. yds. Class A Port. cement concrete structures, $40.00.
(13) 1,300 lbs. bar reinf. steel struc.; $.06.
(14) 120 lin. ft. 8-in. CMP, $.80.
(15) 50 lin. 12-in. CMP, $1.20.
(16) 100 lin. ft. 18-in. CMP, $1.50.
(17) 36 lin. ft. 21-in. CMP, $1.80.
(18) 325 lin. ft. part circle CMP, $1.75.
(19) 2,200 lin. ft. 8-in. perf. metal pipe underdrains, $.80.
(20) 700 cu. yds. trench backfill underdrains, $2.80.
(21) 6 ea., spillway assemblies, $12.50
(22) 350 lin. ft. salvage existing conc. culvert pipe, $.50.
(23) 320 lin. ft. replace salvaged conc. culvert pipe, $.50.
(24) 4 each cast steel frames and covers for drop inlets, $35.00.
(25) 225 M. gals. water, $2.50.
(26) 11 each existing monument casings and covers removed and reset, $7.50.
(27) 11 each new monuments and casings & covers complete in place; $20.00.
28) 77 stations finishing rodwy, $5.00.

COMPLETE BID LISTING

GRAND COULEE, Wash.—Arcorace & Company, Seattle (Felix Arcorace, 8423 48th St., and L. Coluccio, 1638 Lane St.), at $51,804, as previously reported, submitted low bid to the U. S. Bureau of Reclamation, % Columbia Basin Commission, Civic Bldg., Spokane, for the construction of the water supply and sewer systems for the Government camp at Grand Coulee Dam, Washington, under Specifications No. 575, involving:
(1) 100 cu. yds. excav. for structures, common;
(2) 11,450 cu. yds. excav. for structures, rock;
(3) 8020 lin. ft. excav. and backfilling water pipe trench not more than 5 feet deep;
(4) 3900 lin. ft. excav. and backfilling sewer trench not more than 5 feet deep;
(5) 5480 lin. ft. excav. and backfilling sewer trench more than 5 feet and not more than 8 feet deep;
(6) 1120 lin. ft. excav. and backfilling sewer trench more than 8 feet and not more than 12 feet deep;
(7) 250 lin. ft. excav. and backfilling sewer trench more than 12 feet deep;
(8) 1300 cu. yds. excav. rock, in trenches;
(9) 6360 lin. ft. laying 3-in. cast iron pipe, fittings, valves and specials in trenches;
(10) 2200 lin. ft. laying 4-in. cast iron pipe, fittings, valves and specials in trenches;
(11) 9650 lin. ft. laying 6-in. cast iron pipe, fittings, valves and specials in trenches;
(12) 2200 lin. ft. laying 8-in. cast iron pipe, fittings, valves and specials in trenches;
(13) 20 fire hydrants, installing 5-in. fire hydrants and connecting to water mains;
(14) 200 corporation cocks, installing ¾-in. and 1-in. corporation cocks;
(15) 18,000 lin. ft. installing ¾-in. and 1-in. copper service pipe, fittings and specials;
(16) 100 installations, installing curb stops and service boxes;
(17) 2500 lin. ft. laying 4-in. sewer pipe, fittings and specials;
18) 4500 lin. ft. laying 6-in. sewer pipe, fittings and specials;
(19) 2000 lin. ft. laying 8-in. sewer pipe, fittings and specials;
(20) 1750 lin. ft. laying 10-in. sewer pipe, fittings and specials;
(21) 55 manholes, constructing sewer manholes not more than 5 feet deep;
(22) 190 lin. ft. constructing sewer manholes each additional foot of manhole over 5-ft. depth;
(23) 9 drop connections, constructing sewer manhole drop connections
(24) 6 anchors, constructing pipe anchors;
(25) 130 lin. ft. 8-in. diameter slip joint pipe in reservoir and valve chamber outlet drain;
(26) 310 cu. yds. concrete in utility & domestic water reservoirs, valve chamber, chlorination house and reservoir drainage sump;
(27) 14,000 lbs. placing reinf. bars and fabric;
(28) Lump sum, constructing utility and domestic water reservior, valve chamber, and chlorination house; complete except excavation and concrete.

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Complete bids follow:
A) Arcorace & Co., Seattle, $51,804.
B) L. Romano Engineering, Co., Seattle, $74,833.50.
C) Western Constr. Co., Seattle, $83,-074.70.
D) Alloway & Georg. Spokane, $106,-533.

	(A)	(B)	(C)	(D)
1)....	$ .50	$ 3.00	$ 1.00	$ 1.50
2)....	1.70	3.00	3.00	3.60
3)....	.80	.50	.45	.60
4)....	$120.00*	.50	.45	.70
5)....	.90	.75	.84	3.00
6)....	1.25	1.50	1.46	5.25
7)....	1.50	2.00	2.24	8.00
8)....	2.00	2.00	9.00	9.00
9)....	.05	.10	.10	.15
10)....	.06	.10	.135	.20
11)....	.08	.15	.16	.26
12)....	.10	.20	.18	.38
13)....	20.00	50.00	20.00	30.00
14)....	1.50	1.00	1.40	2.40
15)....	.02	.25	.45	.11
16)....	.50	5.00	3.36	.75
17)....	.05	.10	.12	.33
18)....	.08	.10	.135	.37
19)....	.10	.10	.16	.70
20)....	.12	.20	.17	.75
21)....	30.00	35.00	25.00	70.00
22)....	2.00	5.00	4.00	10.00
23)....	40.00	50.00	30.00	2.00
24)....	5.00	10.00	2.25	10.00
25)....	.30	2.00	.16	1.05
26)....	20.00	30.00	24.90	21.00
27)....	.01	.05	.01	.03
28)....	1200.00	1500.00	950.00	2500.00

*Extend total, no unit bid submitted

IDS OPENED

SAN FRANCISCO. — E. J. Treacy, all Bldg., at $2,700 submitted low 'd to the Construction Engineer, U. . Marine Hospital, 14th Ave. and ake St., San Francisco, for resur-acing an old road and laying 400 ft. f 4-in. tile subdrainage system to atch existing spring water in back f main hospital. Work involves ap-roximately 3300 sq. ft. of surfacing.

Complete bids follow:
E. J. Treacy, S. F. $2,700
ohn Heilmann, S. F. 2,845
. J. Lynch, S. F. 2,950

Award recommended to E. J. Treacy ie low bidder.

IDS WANTED

DOUGLAS and Lincoln Cos., Ore.—ntil July 12, 9 A. M., bids will be eceived by the Oregon State High-ay Commission, R. H. Baldock, State ighway Engineer, Auditorium, third or. Public Service Bldg., Portland, s follows:

Lincoln County: Toledo section of orvallis - Newport highway, National ecovery Project No. NRM 150-B, 0.64 ile grading and surfacing and fur-ish crushed rock or crushed gravel stockpiles.

The work involves:
) 21,750 c.y. excavation;
) 95 c.y. Class A concrete in reinf. concrete retaining wall;
) 4,500 c.y. roadbed topping;
) 2,150 c.y. crushed rock or crushed gravel surfacing;
) 1,700 c.y. crushed do in stockpiles.

Plans and specifications obtainable om the State Highway Commission, oom 322, State Office Bldg., Salem, pon deposit of $5 per set.

ONTRACT AWARDED

BERKELEY, Alameda Co., Calif.—ansome Co., 4030 Hollis St., Emery-ille, at $951.85 awarded contract by he Berkeley City Council for improv-ig Santa Fe Ave. north of Gilman St.

Complete bids follow:
ansome Co., Emeryville ..... $ 951.85
rank A. Stead, Berkeley 1,385.25
ee J. Immel, Berkeley 1,016.50
. H. Larson, Berkeley 1,070.00
lbany Cem. Contrs., Albany .. 1,242.25

WIDENING & PAVING — SAN FRANCISCO — (STATE)

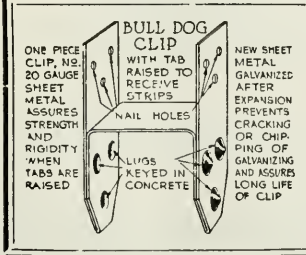
SAN FRANCISCO. — Union Paving Co., 624 Call Bldg., at $164,115 submitted low bid to State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.4 miles along Potrero Avenue between Division St. and Army St., San Francisco.

The work involves:
(1) 4000 cu. yds. excav. without class;
(2) 67,000 sq. yds. remove exist. asph. surface;
(3) 2600 cu. yqds. remove exist. Port. cement concrete;
(4) 2300 tons crusher run base;
(5) 67,000 sq. yds. asph. paint binder
(6) 14,000 tons asphalt concrete;
(7) 4900 cu. yds. Class "A" Portland cement concrete pavement and railway ballast;
(8) 400 cu. yds. Class "A" Portland cement concr. sidewalks;
(9) 100 cu. yds. Class "B' Portland cement concrete curb;
(10) 13,200 lin. ft. remove and reset stone curbs;
(11) 500 sq. ft. redressing stone curbs;
(12) 200 lin. ft. furnish and place new stone curbs tangent;
(13) 200 lin. ft. furnish and place new stone curbs circular;
(14) 300 lin. ft. 10-in. vitrified clay pipe sewer;
(15) 250 each move and rest side sewer traps;
(16) 36 each moving and resetting brick catchbasins;
(17) 29 each removing and resetting manhole frame and covers;
(18) 50 each moving and resetting stop and street signs;
(19) 100 each center line traffic markers;
(20) 1000 each furnish cross walk markers;
(21) 1000 cu. yds. sub-ballast crushed concrete or basalt blocks;
(22) 1000 cu. yds. sub-ballast new crushed rock;
(23) 1900 cu. yds. top ballast new crushed rock;
(24) 100 cu. yds. clean bank sand;
(25) 5000 each removing and disposing of railway ties;
(26) 9 each reconst. manholes on duct lines;
(27) 42 each placing tubular steel trolley poles;
(28) 42 each concrete trolley pole foundations;
(29) 24 each remove and dispose of concrete poles;
(30) 18 each remove and dispose of steel poles;
(31) 31 each remove and reset concrete poles;
(32) 2 each raising concrete poles;
(33) 56 each remove and reset steel poles;
(34) 100 each changing span wires;
(35) 6 each changing feed wires·
(36) 5 each feeder risers.

Total bids follow:
(A) Union Paving Co., $164,115.
(B) Hanrahan Co., $176,607.
(C) Eaton & Smith, $177,734.
(C) Pacific States Const. Co., $184,-540.
(E) A. J. Raisch, $187,892.
(F) Fay Imp. Co., $209,056.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .50	$ .45	$ 2.00	$ 1.20	$ 1.00	$ 1.00
(2)	.27	.10	.18	.18	.35	.22
(3)	2.50	3.00	4.00	3.25	5.00	4.27
(4)	1.50	2.00	1.50	1.60	1.00	1.60
(5)	.02	.02	.02	.02	.02	.024
(6)	4.35	4.00	3.20	3.82	3.90	4.30
(7)	8.75	8.65	10.27	10.60	8.90	11.93
(8)	10.00	15.00	12.00	13.50	12.00	14.50
(9)	6.50	8.00	9.00	9.50	7.00	8.00
(10)	.25	.60	.25	.26	.38	.45
(11)	1.00	1.00	1.25	.70	.30	.75
(12)	2.00	2.25	1.60	2.00	1.75	1.62
(13)	2.50	3.00	2.50	2.70	2.25	2.35
(14)	1.25	1.00	2.00	1.60	1.00	1.40
(15)	8.00	8.00	12.00	9.40	8.00	12.50
(16)	40.00	80.00	50.00	76.00	45.00	57.00
(17)	6.00	10.00	5.00	6.00	5.00	10.00
(18)	5.00	2.50	5.00	5.50	1.00	24.00
(19)	.75	.75	.50	.70	.75	.78
(20)	.20	.25	.50	.25	.25	.20
(21)	1.50	2.60	2.00	1.80	1.50	3.00
(22)	2.20	2.60	2.50	2.40	2.75	3.00
(23)	2.20	2.25	2.50	1.90	2.50	2.30
(24)	1.00	2.10	1.00	4.60	.75	1.75
(25)	.10	.20	.20	.12	.08	.25
(26)	100.00	450.00	520.00	490.00	450.00	483.00
(27)	10.00	20.00	24.00	24.00	18.00	21.00
(28)	18.00	75.00	88.00	71.00	63.00	70.00
(29)	10.00	28.00	31.00	28.00	24.00	26.50
(30)	7.50	30.00	30.00	24.00	26.00	29.00
(31)	25.00	60.00	74.00	67.00	56.00	62.00
(32)	25.00	60.00	75.00	50.00	55.00	60.00
(33)	25.00	60.00	62.00	60.00	53.00	58.00
(34)	15.00	66.00	75.00	67.00	62.00	70.00
(35)	15.00	15.00	62.00	12.00	11.00	13.00
(36)	70.00	140.00	225.00	140.00	127.00	141.00



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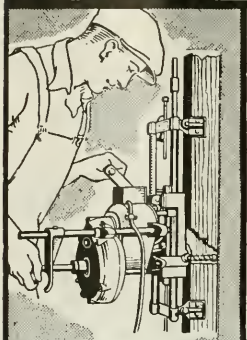
WAPPAT Electric TOOLS



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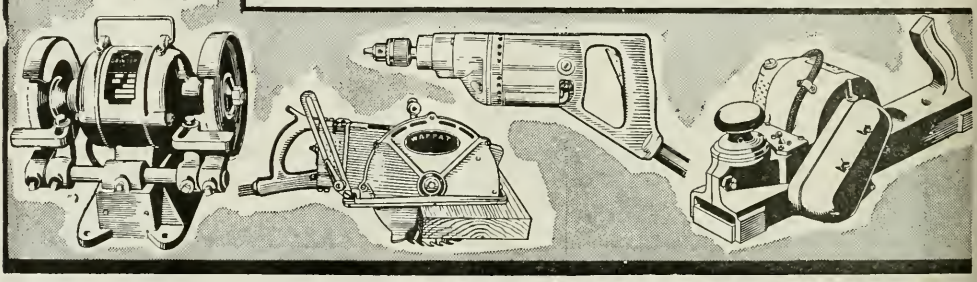

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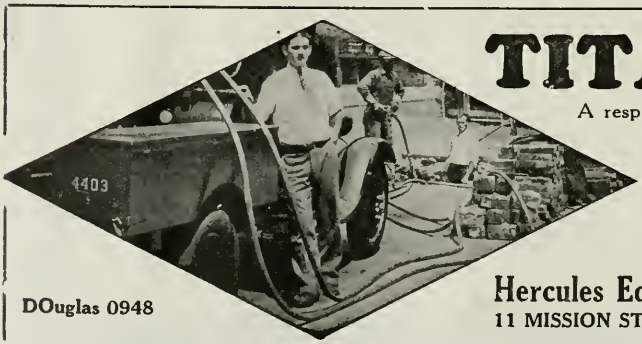

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Vol. XVII SAN FRANCISCO, CALIF., JULY 14, 1934 No. 28

Construction of Parker Dam One Of Principal Contracts to be Let By Reclamation Bureau This Year

Several interesting and unusual features will be involved in the construction of the Parker Dam Project, several miles above the town of Parker, Arizona. The original purpose of the dam is to divert water from the Colorado River into the aqueduct now being built by the Metropolitan Water District of Southern California, but there is contemplated in the project a power plant to be constructed at some future time.

Construction of the dam will necessitate the diversion of the Colorado River through tunnels and the building of two cofferdams, one above and the other below the dam site. Bids will be received on the project at the office of the U. S. Bureau of Reclamation until 10 A. M., Thursday, July 26, 1934. The work is divided into two schedules, the construction of the two diversion tunnels and a road being included in Schedule No. 1 and construction of the two cofferdams and the diversion tunnel in Schedule No. 2.

The completed dam will be of the concrete arch type. From the lowest point in the foundation to the roadway on the crest of the dam the maximum height will be about 340 feet, and the crest length will be about 840 feet. Below the river bed the depth of the excavation will be about 240 feet.

In the center of the crest of the dam will be located five spillway openings, each controlled by a structural steel Stoney gate 50 ft. high and 50 ft. wide, and operated from an operating house built above and upstream from the roadway on the crest of the dam. To contribute to ease of operation these gates will be counterbalanced with concrete weights in wells on either side. The counterweights will contain 480 cu. yds. of concrete; 3,125,000 pounds of steel will be contained in the gate, gate frames, and counterweight guides and hangers.

(Continued on Page 28)

L. A. FIRM LOW ON HANGAR JOB

WASHINGTON, D. C., July 11.—Los Angeles Contracting Co., 4816 W. Pico Blvd., Los Angeles at $378,000 submitted low bid today to the Bureau of Yards and Docks for erecting seven hangars at the Naval Air Station, San Diego.

Second and third low bids were offered by M. H. Golden, San Diego, $384,580, and H. Mayson, Los Angeles, $385,600.

Frank J. Reilly Low Bidder on Tulare Courthouse

VISALIA, Cal., July 12.—Frank J. Reilly, San Francisco, today submitted the low bid to the Tulare County Board of Supervisors at $125,721 for erecting a four-story addition to the county courthouse here.

Complete total bids follow:

F. J. Reilly, San Francisco	$125,721
Dinwiddie Const. Co., S. F.	127,970
W. J. Ochs, San Jose	129,710
Stroud Bros. & Seabrook, Bakersfield	136,561
Carl N. Swensen, San Jose	145,027
Schuler & McDonald, Oakland	149,947

TWENTY OFFER BIDS ON TWO L. A. BRIDGES

Close Competition Features Highway Commission Opening In L. A.

LOS ANGELES, July 12.—Twenty bids were received today by the State Highway Commission on a contract for construction of two reinforced concrete bridges, one across San Gabriel river and the other across Coyote creek. The bids received ranged from $70,961, the low figure of B. O. Larsen, San Diego, to $89,952. The three low bids were within a margin of a little more than three hundred dollars.

Complete total bids follow:

B. O. Larsen, San Diego	$70,961
Geo. Mittry, Los Angeles	71,069
Parish Bros., Hollywood	71,283
Oscar Oberg, Los Angeles	76,472
Sharp & Fellows, Los Angeles	76,512
Southern Calif. Roads Co., L. A.	81,474
Bannister-Field Co., Ltd., and F. E. Potts Co., L. A.	81,634
D J. Reed & Jos. Maiser, L. A.	81,654
Person & Thiele, Los Angeles	82,064
Lindgren & Swinerton, L. A.	82,093
Kemper Const. Co., Los Angeles	84,485
Wm. T. Loesch & Son and E. G. Perham, Los Angeles	85,016
Theo. A. Beyer Corp., L. A.	86,028
Carlo Bongiovanni, Hollywood	86,666
Bodenhamer Const Co., Oakland	86,966
Dimmitt & Taylor, Los Angeles	87,920
Herbert M. Baruch, L. A.	88,556
M. B. McGowan, San Francisco	88,604
Clinton Const. Co., Los Angeles	89,952

The bid of Ralph A. Bell was not declared, being disqualified by failure to include NRA compliance certificate.

Bids were opened today by the Commission also for painting the overhead crossing at San Bernardino, just completed. Pacific Bridge Painting Co., 624 Sharon Bldg., San Francisco, submitted the low bid at $7,804. Other bids were George Hess, $11,900; Contracting Engineers, Inc., $17,993.

SEATTLE PLANS COMPLETION OF POWER PROJECT

City Sells Bonds; To Conaract $4,500,000 Improvements This Year

The city of Seattle will undertake construction of extensions to the municipal light and power system this summer to cost approximately $4,5000,000. Continuation of the construction program has been made possible recently by disposal of bonds which the city had been unable to market previously.

Work to be done includes an addition to the City Light Department building, construction of the powerhouse superstructure at Diablo dam, transmission line and distribution line extensions.

Principal portions of the work will be done under contract, it has been indicated by the public utilities committee of the city council in response to inquiries from the Associated General Contractors and the Building Trades Council.

PALO ALTO SEEKING MORE PWA MONEY FOR SEWER PROJECT

An additional PWA grant or a further appropriation of city funds to a total of $7,837 will be required by Palo Alto in order to complete the sewer extensions and sewage plant undertaken as a force account job, according to an estimate prepared by City Engineer J. F. Byxbee.

The Palo Alto department of public works originally estimated the cost of the project at $125,563. The revised estimate places the cost at $127,904, with the work about 90 per cent complete.

This increase is explained by the city engineer as in part the result of additional engineering and accounting expense incidental to following requirements of the PWA and partly the outcome of installing several extras, such as laboratory equipment, use of a more elaborate screening system than was contemplated originally and substitution of cast iron drainage pipe for terra cotta at the plant.

Eight-Hour Day Is Permitted On O'Shaughnessy Dam

An eight-hour day for labor on the O'Shaughnessy dam contract, one of the principal PWA contracts soon to be let by the city of San Francisco, has been authorized by the Board of Supervisors.

The modification of working regulations is permitted by reason of the remote location of the contract, officials said.

The city's prevailing wage scale will apply to the project under the following conditions:

On all construction eight hours shall constitute a basic day's work on add single shift work, and where the highest general prevailing rate of wage for said work is fixed in said Resolution No. 1238 on an hourly basis, said wage shall be paid at said hourly rate for eight hours; and where said Resolution No. 1238 fixes the highest general prevailing rate of wage, for any employment, on a daily basis for a working day of less than eight hours, the hourly rate of wage of said employee shall be computed and said hourly wage multiplied by eight, and said result shall be the daily wage for said employment for an eight hour day; time for truck drivers and hoisting and portable engineers, or operating engineers, however, to be reckoned by half day and full day only.

For all construction work over eight hours in any one calendar day the following overtime shall be allowed, to-wit: time and one-half for the first four hours over eight hours and thereafter double time, except that all iron workers, all engineers, bricklayers and hod carriers shall be allowed double time for all work over eight hours in any one day. Saturday, Sunday and holiday work shall be paid for as provided for by Resolution No. 1238, except as otherwise herein provided. Non-construction work which must normally be performed on Saturdays, Sundays and holidays shall not be subject to overtime provided that persons performing said work shall not be permitted to work more than eight hours in any one day or six days in any one week.

On all such portions of the actual construction work as are carried on continuously by three shifts daily for seven days per week, the employees in all shifts shall be paid eight hours pay for seven hours work, but in such cases the requirements for double time pay for Saturday, Sunday and holiday work shall not apply.

Fred D. Pyle, for six years assistant hydraulic engineer, has been appointed to succeed the late Hiram Newton Savage as hydraulic engineer. His salary will be $5000 a year.

SALES TAX ON U. S. CONTRACTS IS HELD VALID

Federal Court Sustains Collection of Levy on Hamilton Field Materials

A three - judge Federal district court in San Francisco has ruled that the State Board of Equalization is acting within its authority in collecting the two and one-half percent state sales tax from contractors for materials used in construction of Federal projects. The decision of the court was rendered in a test suit brought by five concontractors at Hamilton Field, contesting the payment of taxes on contracts there involving more than a million dollars.

The court vacated a temporary injunction granted during the pendency of the action which was filed last March.

The decision was based on a technical interpretation of the statute, holding that action for relief from the tax could not be brought by a consumer and that such action must be instituted by the retailer. The court held that the contractors were consumers and not retailers. The point raised by the plaintiffs that the tax was unconstitutional as a tax levied on the Federal government was dismissed by court on the ground that the contractors were not agents of the government and therefore were not eligible to bring the question of constitutionality before the court.

The suit was filed in March by the Meyer Construction Company, Pacific States Construction Company, and K. E. Parker Company, Frank J. Reilly and Robert E. McKee. They based their claim upon three grounds—that they were consumers as government contractors; that the State was taxing the Federal government, and that Hamilton Field is a government reservation and therefore exempt from State tax levies.

Norman A. Eisner, attorney for the contractors, said that an appeal from the dicision could be taken direct to the Supreme Court, but the plaintiffs had not decided what course would be followed.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

Text of Order Permitting 15% Variation Under Code Bidding

Cutting of prices below those established under NRA Codes is now permitted when bidding on government orders for materials and services under an executive order issued on June 29. As the order applies to "any agency or instrumentality of the United States or to any state, municipal or other public authority" a very wide range of materials and equipment is affected.

The order in full follows:

By virtue of and pursuant to the authority vested in me under Title I of the National Industrial Recovery Act of June 16, 1933 (ch. 90, 48 stat. 195) and in order to effectuate the purposes of said title, it is hereby ordered as follows:

1. Any person submitting a bid to any agency or instrumentality of the United States, or any state, municipal or other public authority, to furnish goods or services at prices which, in accordance with the requirements of one or more approved codes of fair competition, must have been filed, prior to their quotation, with the code authority, or other designated agency, shall be held to have complied adequately with the requirements of such code of fair competition; (a) if said bidder shall quote a price or prices not more than 15% below his price or prices filed in accordance with the requirements of such code or codes; and (b) if, after the bids are opened, each bidder quoting a price or prices below his filed price or prices shall immediately file a copy of his bid with the code authority or other appropriate agency with which he is required to file prices.

2. If, upon complaint made to the Administrator for Industrial Recovery, he shall find, after due investigation, that the tolerance of 15% provided in this order is resulting in destructive price cutting in a particular trade or industry, he is hereby authorized to issue an administrative order reducing said tolerance of 15% for such trade or industry to the extent he shall find necessary to prevent such destructive price cutting, but in no event to a tolerance of less than 5%.

3. The Administrator for Industrial Recovery is directed to cause a study to be made of its effects of this order upon the maintenance of standards of fair competition in sales to public and private customers and to report to the President thereon within six (6) months of the date of this order.

All prior executive orders, including Executive order No. 6646 of March 14, 1934, are hereby modified insofar as, and to such extent, as they may be in conflict or inconsistent with this order.

FRANKLIN D. ROOSEVELT.

Under this order the price bid, whether or not it brings the contract to the bidder, becomes his open market price to be filed with the code authority. The price bid on one contract may be further reduced on successive contracts but there is nothing to prevent any bidder from immediately following up with a notification of price increases under the procedure that the code by which he is governed may require.

Competitors who have reason to believe that the low price of any bidder is made possible only by unfair practice may complain to the NRA and if it finds that the tolerance of 15 per cent is resulting in destructive price cutting it may reduce the tolerance, but not to less than 5 per cent.

CONTRACT FOR AERATOR LET TO E. T. LESURE

Utilities Commission Awards Jobs; Calls Bids on Three Projects

Contract for construction of the Calaveras aerator for the San Francisco Water Department was awarded yesterday by the Public Utilities Commission to E. T. Lesure, 87 Ross Circle, Oakland. Lesure was low bidder at $84,830.

The Commission rejected the bid of Youdall Construction Co., only bidder, at $71,556 for laying the University Mound pipe line extension on Potrero avenue. New bids will be asked shortly.

Contract for reconstruction of the Potrero avenue street car line between Eighteenth and Army streets was let to Theodore Cohn, Russ Bldg., at $12,826.

June 27 was the date set for opening bids on three contracts for the Water Department as follows: (1) Construction of timber trestles for the Bay Crossing Pipe Line No. 2; (2) Laying 6- and 8-inch cast iron mains in the area from Eighth avenue to Twenty-fifth avenue and from Fulton street to Lake street; (3) Laying 6- and 8-inch cast iron mains in the area from Egbert St. to Sunnydale avenue and from Elliot street to Griffith avenue.

Department of Commerce statistics indicate an increase in the number of orders for steel boilers during the first five months of 1934 of 343,697 over the number of orders during the first five months of 1933.

JUNE FIGURES SHOW NO GAIN IN COAST WORK

Building Permit Totals on Level With Previous Months

The low volume of building in Pacific Coast cities continued unchanged through June, according to official totals reported by building inspection departments.

The month's total from approximately 100 departments was $5,126,193 in June, compared with $5,676,405 in May and $6,123,967 in June last year. The difference of approximately one million dollars between the two corresponding months is accounted for by lower totals in the cities of San Francisco and Los Angeles.

Building activity in the past month was divided among all localities in about the same proportion as previous months of the year. Stockton reached fourth place in value of permits, with additional work at the port being let. Seattle was in fifth position. Portland was outranked by both Long Beach and Pasadena, although work in the three cities was approximately the same in volume.

Following is a table showing comparative value of permits issued by municipal and county building departments:

	1933	1934
JANUARY	3594	5465
FEBRUARY	3870	5129
MARCH	8484	5334
APRIL	7295	5651
MAY	6373	5766
JUNE	6063	5435

Following is a table showing comparative number of permits issued by municipal and county building departments:

	1933	1934
JANUARY	$4,886,800	$4,446,574
FEBRUARY	3,357,542	5,443,620
MARCH	5,232,060	6,625,889
APRIL	5,014,882	5,038,721
MAY	5,458,041	5,676,405
JUNE	6,123,967	5,126,193

New orders for oil burners during the month of May, 1934, numbered 8,003, as compared with 4,961 during the same month last year, according to figures reported to the Department of Commerce, Bureau of the Census by 149 manufacturers.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
334	Crocker	Taylor	2000
335	Nell	Barrett	20000
336	Barrett	Barrett	1500
337	Barrett	Barrett	2500
338	Richmond	Mallock	1000
339	Noakes	Disston	1575
340	Bickel	McCarthy	6000
341	Noakes	Disston	1575
342	Crocker	Wagner	6000
343	Rice	Jensen	4000
344	Olivero	Lyon	3000
345	Printers	Paganini	15000
346	Barello	Owner	5000
347	Cohen	Owner	4000

ALTERATIONS
(334) NO. 945 GREEN ST. Alterations to apartments.
Owner—Templeton Crocker, Shreve Bldg., San Francisco.
Architect—Not Given.
Contractor — Taylor & Goericke, 220 Sharon Bldg., San Francisco $2000

WAREHOUSE
(335) NW BRYANT AND LANGTON Sts. One-story Class C warehouse.
Owner—Edward J. Nell, % Architect
Architect—Dodge A. Riedy, 821 Market St., San Francisco. ?
Engineer—Hyman Rosenthal, 850 Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., S. F. $20,000

ALTERATIONS
(336) NE O'FARRELL & TAYLOR Sts. Alter tire shop.
Owner—Larry Barrett, % Contractor.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., S. F. $1500

SALESROOM
(337) NE O'FARRELL & TAYLOR Sts. One-story Class C salesroom.
Owner—Larry Barrett, % Contractor.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison St., S. F. $2500

ALTERATIONS
(338) 9 and 11 CLEMENT ST.; alter stores.
Owner—Richmond Masonic Temple Co. Premises.
Engineer—Ellison & Russell, Pacific Building.
Contractor—J. S. Mallock, 666 Mission Street. $1000

ALTERATIONS
(339) NO. 2918 ARMY ST. Alterations to dwelling.
Owner—John Noakes, 2918 Army St., San Francisco.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission St., San Francisco. $1575

ALTERATIONS
(340) NO. 1639 FOLSOM ST. Alteration to flats.
Owner—Mrs. A. F. Bickel, Premises.
Architect—R. H. Bickel, 9 Geary St., San Francisco.
Contractor — Robert McCarthy, 1364 14th Ave., San Francisco. $6000

ALTERATIONS
(341) NO. 2918 ARMY ST. Move and alter dwelling.
Owner—John Noakes, 2918 Army St., San Francisco.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission St., San Francisco. $1575

ALTERATIONS
(342) SW TENTH AND BRYANT. Alter warehouse and offices.
Owner—Charles H. Crocker Co., 580 Market St., San Francisco.
Architect—Not Given.
Contractor—George Wagner, 181 South Park, San Francisco. $6000

STORE BLDG.
(343) S BUSH 229 W Mason St. One story Class C store building.
Owner—John D. Rice, 819 Monadnock Bldg., San Francisco.
Architect—Martin A. Sheldon, 681 Market St., San Francisco.
Engineer—Felix H. Spitzer, 2001 Pierce St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco. $4000

DWELLING
(344) SE PACHECO AND ORIOLE Way. One-story and basement frame dwelling.
Owner—P. H. Olivero, % Contractor.
Architect—Not Given.
Contractor—A. R. Lyon, 401 Phelan Bldg., San Francisco. $3000

ADDITION
(345) 300 BROADWAY; addition to one-story printing building.
Owner — Printers' Building, Inc., 300 Broadway.
Architect—H. A. Minton, 525 Market.
Contractor—David Paganini, 519 California Street.
Engineer—L. H. Nishkian, 525 Market Street. $15,000

FLATS
(346) S GREENWICH 85 E Fillmore; two-story & basement frame flats (2 families, 8 rooms).
Owner—M. Barello, 230 Molten.
Architect—Not Given. $5000

DWELLING
(347) W 27th AVE. 100 S Camino Del Mar; one-story and basement frame dwelling.
Owner—Sarah Cohen, 364 Bush St.
Architect—Not Given. $4,000

ALAMEDA COUNTY

46	De Martini	Armstrong	9995
267	Bay	Owner	2700
268	Pleitner	Watson	3100
269	Phillips	Appelbe	1200
270	Vandervort	Beckett	9000
271	Abrue	Rose	1000
272	Six	Owner	2830
273	Hinkley	Lynn	1000
274	Eliot	Beckett	1500
275	Lucas	Owner	1500
276	Bonds	Owner	6000
277	Moser	Owner	1200
278	Knowles	Falk	4000
279	Swenson	Rose	1300
280	Syndicate	Leekins	2750
281	Safeway	Owner	4000
282	National	Ostlund	1400

DWELLING
(267) N PARK BLVD., opp. Moore Drive, Lot 163, Forestland Extension, **OAKLAND.** One-story 4-room dwelling and one-story garage.
Owner—Bay Cities Properties Corp., Syndicate Bldg., Oakland.
Architect—Not Given. $2700

DWELLING
(268) 2524 TWENTY-FIFTH AVE., **OAKLAND.** One-story five-room dwelling.
Owner—H. A. Pleitner, 4021 E-14th St., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon Ave., Oakland. $3100

ADDITIONS
(269) NO. 1463 HOPKINS ST., **BERKELEY.** Additions.
Owner—C. A. Phillips, Premises.
Architect—Not Given.
Contractor — Frank G. Appelbe, 2405 Acton St., Berkeley. $1200

DWELLING
(270) NO. 233 STONEWALL ROAD, **OAKLAND.** Two-story eight-room dwelling.
Owner—Ray Vandervort, 2709 Dwight Way, Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $9000

REPAIRS
(271) NO. 2733 E-TENTH ST., **OAKLAND.** Fire repairs.
Owner—Jose Abrue, Premises.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1000

OFFICE & WAREHOUSE
(272) WEST PORTAL of Broadway Tunnel; one-story office and warehouse.
Owner and Contractor—Six Companies of Calif., 155 Sansome Street, San Francisco.
Architect—Not Given. $2830

REPAIRS
(273) 1640 WALNUT ST., **BERKELEY;** fire repairs.
Owner—Mrs. A. Hinkley, 1640 Walnut St., Berkeley.
Architect—Not Given.
ontractor—W. F. Lynn, 1037 Ashmount Ave., Oakland. $1000

ADDITIONS
(274) NO. 570 SANTA CLARA ST., **BERKELEY.** Additions.
Owner—John Eliot, Premises.
Architect—Not Given.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $1500

WINERY
(275) NO. 1736 TWELFTH STREET **OAKLAND.** One-story tile winery
Owner — Lucas Bros. & Fernandes 1736 12th St., Oakland.
Architect—Not Given. $1500

DWELLING
(276) NO. 464 SPRUCE ST., **BERKELEY.** Two-story 7-room frame dwelling and garage.
Owner — Milton S. Bonds, 30 Halkin Lane, Berkeley.
Architect—Not Given. $6000

ALTERATIONS
(277) NO. 9317 OLIVE ST., **OAKLAND.** Alterations and addition and one-story garage.
Owner—Karl Moser, 9317 Olive St. Oakland.
Architect—Not Given. $120

OFFIOCE BLDG.
(278) NO. 5734 BROOKDALE AVE. **OAKLAND.** One-story office bldg
Owner—C. W. Knowles, 5757 Mors Drive, Oakland.
Architect — Hertzka & Knowles, 8 Bryant St., San Francisco.
Contractor—Chas. W. Falk, 1520 E 38th St., Oakland. $400

REPAIRS
(279) NO. 52-54 GLEN AVE., **OAKLAND.** Fire repairs.

Owner—J. A. Swenson, Premises.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1300

DWELLING
(280) NO. 13,033 BROADWAY TERRACE, OAKLAND. One-story five-room dwelling and one-story garage.
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $2750

ALTERATIONS
(281) NO. 201 FOURTH ST., OAKLAND. Alterations.
Owner—Safeway Stores, Inc., Fourth and Jackson Sts., Oakland.
Architect—Not Given. $4000

ALTERATIONS
(282) NO. 1900 TELEGRAPH AVE., OAKLAND. Alterations.
Owner—National Shirt Shop, Prem.
Architect—Not Given.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco. $1400

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
69	Bothin	Siegrist	1194
70	United	Dunn	1150
7	Century	Montague	3000

ALTERATIONS
(69) NO. 586 HOWARD ST. All work for strengthening first and second floors of building.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Architect—Norman B. Green, 55 New Montgomery St., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.
Filed July 5, '34. Dated June 11, '34.
Upon completion..... 75%
Usual 35 days..... 25%
TOTAL COST, $1194.
Bond, $610. Surety, United States Fidelity & Guaranty Co. Limit, two weeks after work has commenced. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(70) NO. 212 STOCKTON ST. All work for alterations to entrance.
Owner — United Drug Co., Inc., 43 Leon St., Boston, Mass.
Architect—Not Given.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Filed July 6, '34. Dated June 19, '34.
In full 15 days after completion....
TOTAL COST, $1150
Bond, $1150. Surety, Massachusetts Bonding & Insurance Co. Limit, commence June 20; completed July 11. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(47) NO. 1355 FRANKLIN ST. All work for furnishing and installing boilers, ventilating unit, sheet metal, etc., in auditorium of club.
Owner — Century Club, 1355 Franklin St., San Francisco.
Architect—Not Given.
Contractor—The Montague Co., 1375 Eddy St., San Francisco.
Filed July 7, '34. Dated June 27, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $3000
Bond, limit, forfeit, none. Plans only filed.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $175; 831 Neilson St., Berkeley; owner, Camilla Paroni, 2635 Dwight Way; contractor, W. S. Broderick, 640 Arlington Ave.
ALTERATIONS, $175; 2570 Bancroft Way, Berkeley; owner, H. C. Wyckoff, Watsonville; contractor, H. Killts, 2235 Dana St.
ALTERATIONS, $150; 2800 Derby St., Berkeley; owner, P. Paschall; contractor, C. M. Fliescher, 1440 Le Roy Ave.
ALTERATIONS, $500; 1600 University Ave., Berkeley; owner, E. Hagstrom, 106 Ave. and E-14th St., Oakland; contractor, C. E. Atkinson, 3125 61st Ave., Oakland.
ALTER for garage, $100; 485 Cavour Street, Oakland; owner, Annie O'Toole, 583 42nd St.
ALTERATIONS and addition, $125; 3231 Galindo St., Oakland; owner, Mrs. Ida B. Anderson, Premises.
BRICK addition, $365; Gore Bay Place and Montecito Avenue, Oakland; owner, St. Paul's Church, Prem.
SIGN, cloth, $14; 1420 Franklin St., Oakland; owner, Justis S. Wardell Headquarters, 1420 Franklin St.; contractor, Geo. W. Rice Jr., 334 Tenth St.
MARQUISE signs, $1 each; 2090 Broadway, Oakland; owner, Daugherty's, Premises; contractor, Radiant Neon Display, 2561 San Pablo Ave.
GARAGE, one-story, $210; 1921 45th Ave., Oakland; owner, Joe Cimalli, 2442 Myrtle St.
ADDITION, $134; 2241 E-25th Street, Oakland; owner, J. Medevois, 2241 E-25th St.; contractor, Wm. Merritt, 1926 47th Ave.
ALTERATIONS, $35; 517 52nd St., Oakland; owner, P. J. Mullen, 517 52nd St.
SIGNS (3) metal, $15 each; SW 22nd and Grove Sts., Oakland; owner, Key System Co., 22nd and Grove Sts.; contractor, Oakland Sign Co., 579 18th St.
SIGN, cloth, $25; 1432 Franklin St., Oakland; owner, C. C. Young's Headquarters; contractor, Geo. W. Rice Jr., 334 10th St.
SIGN, electric, $10; 1033 5th Avenue, Oakland; owner, Mr. Little; contractor, Radiant Neon Display, 2561 San Pablo Ave.

SAN FRANCISCO UNDER $1000

ALTER store, $900; 809 Market St.; owner, Sidney Fish, 809 Market; contractor, L. & E. Emanuel, 2625 Jones St.
ADD to warehouse, $450; Berry Street between 3rd and 4th; owner, S. P. Co., 65 Market St.; architect, J. H. Chrishe, 65 Market St.
CLEAR and level playground, $400; N Washington 141 W Kearny St.; owner, National Dollar Stores, 929 Market St.; architect, Bernard J. Joseph, 74 New Montgomery St.
SIGN, electric, $100; NW 24th and Folsom Sts.; owner, Apex Electric Co., 363 Fell St.; contractor, same.
ALTER dwelling, $75; 1363 Brussels; owner, A. Sanchez, 303 Coleridge.
ALTER store, $500; 2029 Fillmore St.; owner, A. Romeo, 1444 Polk St.
MOVE and alter dwelling, $450; 2912 Army St.; owner, Mrs. J. Hildrich, 1563 Hampshire St.; contractor, Hanson Bros., 5840 Mission St.
ALTER resaturant, $150; 2817 24th St. owner, John Perry, 2817 24th St.; contractor, George West, 525 Page Street.
ALTER dwelling, $200; 1556 10th Ave.; owner, W. Gilmour, 1556 10th Ave. contractor, Thos. R. Sharman, 3700 Broadway.
ALTER flats, $250; 1652 Mason Street; owner, S. Biondi, 1652 Mason St.
ALTER dwelling, $200; 552 Belvedere St.; owner, Mrs. Bernstrup, Prem.
ALTER store, $500; 5447 Geary Blvd.; owner, J. H. Hirsch, Prem.; contractor, L. A. Hinson, 736 4th Ave.
ALTER store, $300; 254 Precita Ave.; owner, W. Burckha rd, Premises; contractor, Army Street Cabinet Shop, 3255 Army St.
SIGN, electric, $100; 9 Market Street; owner, Grace Bros. Beer, Prem.; contractor, Laib, 7th and Folsom.
REPAIR fire damage to flats, $250; 1639 Fulton St.; owner, M. Lehman, % Contractor; contractor, A. L. Thulin, 63 Brady St.
SIGN, electric, $60; 490 Columbus; owner, Binders, Prem.; contractor, Pioneer Electric Co., 2128 Market St.
SIGN, electric, $400; 917 Bush Street; owner, Congress Grill, Premises; contractor, Golden Gate Neon Co. 355 8th St.
SIGN, electric, $50; 56 Mason St; owner, Bristol Hotel, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER dwelling, $350; W Watt 125 S Andover St.; owner, Angelo Boccoleri, % Contractor; contractor, D. Delucchi & Son, 3275 San Bruno
ALTER dwelling, $500; 2820 Montgomery St.; owner, Boardman, Premsies; architect, J. E. Krafft & Sons, Phelan Bldg.; contractor, Daniel O'Neill, 273 Minna St.
ALTER flats, 095; 1315 Grove St.; owner, V. Resenbaum, 1317 Grove
SIGN, electric, $100; 6 Sacramento St. owner, Rococos, Prem.; contractor, QRS Neon Corp., 690 Potrero Ave.
SIGN, electric, $150; 655 Larkin St.; owner, D. Wynne, 655 Larkin St. contractor, QRS Neon Corp., 690 Potrero Ave.
ALTER restaurant, $500; 3309 Fillmore St.; owner, N. Cervelli & Co., 3309 Fillmore St.
ALTER store, $950; 285 Geary St.; owner, Maison Adelaide, Prem.; contractor, The Unit Built Fixture Co., 963 Harrison St.
SIGN, electric, $150; 657 Fillmore St.; owner, George Huber, % Contractor; contractor, American Electric Sign Co., 1740 Eddy St.
SIGN, electric, $80; 75 Fell St.; owner, Willig Bros., Premises; contractor, Pioneer Electric Co., 2128 Market St.
REPAIR fire damage to warehouse, $500; 1064 Folsom St.; owner, M. Levin & Sons, 2225 Third St.
SIGN, electric, $300; 5731 Mission St.; owner, Silvia Zanatta, Premises; contractor, Golden Gate Neon, 355 Eighth St.
SIGN, electric, $75; 84 Third St.; owner, Waldorf, 84 3rd St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER apartments, $975; 1175 Broadway; owner, A. Boro, Premises.
SIGN, metal, $35; 1055 Pine St.; owner, St. John Hospital, Premises;
ALTER church and stores, $600; 1881 Pine St.; owner, S. F. Buddhist Church, Premises.
ALTER hoeel and stores, $400; 684 Ellis St.; owner, J. Allec, 120 Upper Terrace; contractor, Phoenix-Simpton Co., 520 6th St.
ALTER store, $285; 1188 Market St.; owner, John Stevens, 385 O'Farrell St.; contractor, S. Petrlisis, 2555 Market St.
SIGN, electric, $75; 2426 Fillmore St.; owner, Samarkand Ice Cream Co., 2426 Fillmore St.; contractor, Novelty Elec. Co., 66 Washburn.
ALTER apartments, $350; 1880 Page St.; owner, Bank of America, 625 Market St.; architect Capital Co., 625 Market St.; contractor, Langfelder & Schustee, 280 Wawona.
ALTER stores, $800; 1013 Market St.; owner, New England Life Insurance Co., Boston, Mass.; contarctor, State Mfg. Co., 55 Rausch St.
ALTER dwelling, $700; 723-725 San Jose Ave.; owner, W. C. Olsen, 723 San Jose Ave.
ALTER dwelling, $300; SW Jameston and Ingalls St.; owner, C. H. Bigler, 1001 Jameston St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
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Offices
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 945 Green Street.
Alterations to apartments.
Owner — Templeton Crocker, Shreve Bldg., San Francisco.
Architect—Not Given.
Contractor — Taylor & Goericke, 220 Sharon Bldg., San Francisco.

To Be Done By Day's Work.
ALTER APARTMENTS Cost, $——
SAN FRANCISCO. Folsom and 12th Streets (1629 Folsom St).
Alterations to three-story frame and stucco apartment building (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St., San Francisco.
Contractor — Robert McCarthy, 356 Church St., San Francisco.
Work is to be done on a cost plus basis, 10%, under the supervision of Robert McCarthy.

Correction In Contractor's Address
ALTER APTS. Cost, $——
SAN FRANCISCO. Folsom and 12th Streets (1629 Folsom St.)
Alterations to 3-story and stucco apt. bldg. (tar and gravel roof, hardwood floors, tile in baths, etc.)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St.
Contractor—Robt. McCarthy, 1363 14th Avenue.
Work is to be done on a cost plus basis, 10%, under the supervision of Robert McCarthy

2— BONDS

July 12, 1934

BIDS WANTED
MADERA, Madera Co., Cal.—Until July 16, 7:30 P. M., bids will be received by Jas. Wakefield, City Clerk, for the sale of $9,000 of Madera City Fire Truck bonds (general obligation).

BIDS WANTED
SAN FRANCISCO.—Until July 16, 3 P. M., bids will be received by the San Francisco Board of Supervisors for the sale of general obligation bonds as follows: (1) Water Distribution bonds, $2,659,000; (2) Hetch Hetchy dam bonds, $3,500,000; (3) Sewer bonds, $1,500,000; Airport bonds, $260,000. Interest at bidder's option, not to exceed 6%.
Bonds were originally pledged to the U. S. Government as security for PWA loan, but are being offered to private bidders with PWA permission in order to obtain the possible advantage of lower interest rates.

BIDS WANTED
SANTA CLARA COUNTY, Cal.—Until July 25, 10 A. M., bids will be received by the Board of Directors of the Santa Clara Valley Water Conservation District, Room 94, Grant Bldg., San Jose, for the sale of $2,000,000 of District bonds, voted June 19.
The money will finance construction of structures for impounding and distributing flood waters for irrigation.
Complete description of the project published May 18.

3— CHURCHES

COMPLETING PLANS
BAKERSFIELD, Kern Co., Calif.—Architect Georgius Y. Cannon, 901 Beaux Arts Bldg. Los Angeles, is completing plans for alterations to a chapel and the addition of an amusement auditorium and stage in Bakersfield for the Church of Jesus Christ of Latter Day Saints. Construction will be frame, brick veneer, and stucco exterior, wood shingle roofing, cement and oak floors, leaded glass, gas-steam radiators, etc.

4 — FACTORIES & WAREHOUSES

Plans Completed
DISTILLERY Cost, $10,000 (excluding equipment)
ESCALON, San Joaquin Co., Calif.
One-story wood frame and corrugated iron distillery (wood trusses, concrete floors, composition roof).
Owner—Petri Wine Co., Battery and Vallejo Sts., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded
DISTILLERY Cost, $25,000 (excluding equipment)
LODI, San Joaquin Co., Calif.
Four-story reinforced concrete distillery (composition roof, concrete slabs, etc.)
Owner—Roma Wine Co., Lodi.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Louis Franceshi, 1990 Beach St., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $25,000
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse (concrete work, steel sash, etc.)
Owner—Edward J. Neil.
Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Leseee—Hyman Rosenthal, 850 Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $2,000
SAN FRANCISCO, 345 Ninth Street.
Alterations to industrial building.
Owner—Reynolds Metal Products Corp. 345 Ninth Street.
Architect—Not Given.
Contractor — Fred. J. Early, Jr., 369 Pine Street.

CONSTRUCTION UNDER WAY
VERNON, Los Angeles Co., Calif.—California Brewing Assn. of Southern California has resumed work on the construction of a brewing plant at 2060 East 49th St., Vernon. Work is being handled on a segregated contract basis under the supervision of E. L. Chaffe, who makes his headquarters at the site. The plant will consist of four reinforced concrete buildings: A six-story brewhouse, 3-story stock house, 3-story power plant, and a 2-story bottling house. The bottling house has been completed. Cost, $750,000.

Contract Awarded
SHOP & SALESROOM Cost, $5000
SAN FRANCISCO. NE O'Farrell and Taylor Streets.
Alter tire shop and construct 1-story Class C salesroom.
Owner—Larry Barrett, % contractor.
Architect—Not Given.
Contractor—Barrett & Hilp, 918 Harrison Street.

To Be Done By Day's Work
OFFICE & WAREHOUSE Cost, $3000
OAKLAND, Alameda Co., Calif. West Portal of Broadway Tunnel.
One-story office and warehouse.
Owner and Builders—Six Companies of California, 155 Sansome Street, San Francisco.
Plans by Engineering Dept. of Owner.

Contract Awarded.
WINERY Cost, $80,000
ACAMPO, San Joaquin Co., Cal.
Four brick and concrete winery buildings.
Owner — P. S. DeFlores and Archie Cellini, Elk Grove.
Plans by Mr. Ratler, % Owner.
Contractor—Edward Elliott, Acampo.

BIDS OPENED
PORTLAND, Oregon—Hoffman Construction Co., 715 Columbia Blvd., Portland, at $66,629 submitted low bid to Regional Forester, for the contruction of a reinforced concrete warehouse, 159x265 feet, at Brewer and Yeon Streets, Portland. Complete bids follow:

Hoffman Constr. Co., Portland	(1)	$66,629.00
	(2)	70,129.00
	(3)	——
George Buckler	(1)	67,300.00
	(2)	——
	(3)	1,443.00
Ross B Hammond Co.	(1)	67,315.00
	(2)	70,400.00
	(3)	1,475.00
Drake Wyman & Voss, Inc.	(1)	69,900.00
	(2)	69,900.00
	(3)	1,345.00
Robertson, Hay & Wallace	(1)	72,388.00
	(2)	72,833.00
	(3)	847.50
Jas. L. Quinn	(1)	73,300.00
	(2)	75,170.00
	(3)	1,500.00
Allyn & Powers	(1)	75,133.00
	(2)	74,977.00
	(3)	1,202.00
A. J. Bingham & Son, Inc	(1)	75,500.00
	(2)	79,500.00
	(3)	1,530.00
George Waale Co.	(1)	78,178.00
	(2)	82,178.00
	(3)	3,317.00

Bids held under advisement.
Bids on plumbing, heating and electrical work will be asked shortly.

Sub-Contracts Awarded.
WAREHOUSE Cost, $25,000
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse (concrete work, steel sash, etc.)
Owner—Edward J. Neil.

Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Lessee—Hyman Rosenthal, 850 Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Lumber — Loop Lumber Co., Central Basin.
Steel Sash and Reinforcing Steel—Soule Steel Co., 1750 Army St.

Construction Postponed Temporarily.
STORAGE BLDG. Cost, $10,000
SAN FRANCISCO. SE 18th and Minnesota Streets.
Two-story frame and galvanized iron storage building (150x50 feet) five ply roof, etc.
Owner—California Canneries.
Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

To Be Done By Day's Work.
WINERY Cost, $1500
OAKLAND, Alameda Co., Cal. No. 1736 Twelfth Street.
One-story tile winery.
Owner—Lucas Bros. and Fernandes, 1736 12th St., Oakland.
Architect—Not Given.

To Ask Bids In Ten Days.
ALTERATIONS Cost, $——
SANTA ROSA, Sonoma Co., Cal. Northwestern Pacific Tracks and College Avenue.
Alterations to meat packing plant (new machinery and equipment, etc.)
Owner—Santa Rosa Meat Packing Co. (J. B. Humphrey, President).
Architect—Not Given.
Directors of the company includes: Henry D. Noonan, Allen Nichols, A. J. Gallagher and Bryce Swartfager, Santa Rosa.

Contract Awarded.
ALTERATIONS Cost, $6000
SAN FRANCISCO. SW Tenth and Bryant Streets.
Alterations to warehouse and offices.
Owner—Charles H. Crocker Co., 580 Market St., San Francisco.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco.

LOW BIDDERS
LOS ANGELES, Cal.—D. A. Loomis, 676 Salem St., Glendale, at $5358 submitted low bid to Department of Public Works, Division of Highways, Los Angeles, for the construction of maintenance station buildings in the Los Angeles County Park, consisting of one truck shelter (mountain type) one gasoline and oil house and one gasoline tank of 1000 gallons capacity. Work includes excavation, concrete and masonry work, carpentry and mill work, sheet metal, painting, glazing, plumbing and electrical installations. Three low bids follow:
D. A. Loomis, Glendale.....$5358
Pacific System Homes, L. A..... 5500
J. B. McIntosh, Glendale..... 5666
Complete bids will be published shortly.

Contract Awarded.
WAREHOUSE Cost, $30,000
MANTECA, San Joaquin Co., Cal.
One-story brick and structural steel warehouse (60x130 ft.) wood roof.
Owner — Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Sub-Contracts Awarded
WAREHOUSE, ETC. Cost, $50,000
FRESNO, Fresno Co., Cal. NE Fulton and Stanislaus Streets.
One-story and mezzanine floor steel frame and brick warehouse and service station, with stucco exterior (125x150 feet).
Owner—Firestone Tire & Rubber Co. of Calif. (W. B. Mullins, Supt.) 2525 Forestone Blvd., Los Angeles
Plans by Engineering Dept. of Owner Pacific Southwest Bldg., Fresno.
Contractor—Trewhitt-Shields Co.
Plumbing—B. A. Newman, 320 North N Street.
Mill Work—Hollenbeck-Bush Co., Van Ness Ave. and Lorena St.
Structural Steel — Consolidated Steel Co., 6500 E. Slauson St., Los Angeles.
Reinforcing Steel—Kyle & Co., 346 G Street.
Ornamental Iron—Kyle and Co., 346 G Street.
Roofing—Valley Lumber Co., H and Mono Streets.
Sheet Metal—Standard Sheet Metal Works, 704 R St.
Painting—Schutz Paint Co., 1901 Fresno Street.
Tile Work—C. E. McMullin Co., 1225 Broadway.
Glass and Glazing—W. P. Fuller & Co. Los Angeles and M Streets.
Hardware—Byde Hardware Co., 1432 Fulton Street.
Lumber—Valley Lumber Co., H and Mono Streets.
Grading and Excavation — Thompson Const. Co., 2150 G Street.
Brick Work—Fred. F. Smith, 3810 Dwight Street.
Contractors all of Fresno unless otherwise noted. Foundation work has been completed.

Contract Awarded.
ADDITION Cost, $15,000
SAN FRANCISCO. No. 300 Broadway
One-story reinforced concrete top addition to printing building. Work involves installation of elevator, electrical work, steel sash, reinforcing steel, etc.
Owner—Printers Building, Inc., Prem.
Architect—H. A. Minton, 525 Market St., San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—David Paganini, 519 California St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $30,000
SPRECKELS, Monterey Co., Cal.
Alterations and additions to refinery (add one-story of brick, concrete and structural steel construction).
Owner — Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

Hardware Contract Awarded.
MFG. PLANT Cost, $500,000
ELMHURST, Alameda Co., Cal. Jones Avenue.
Group of-1 2- and 3-story steel frame and brick buildings for manufacturing plant (tile roof, steel sash)
Owner — Standard Brands, Inc., 595 Madison Ave., New York City.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Local Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Engineer—G. J. Pattiz, 595 Madison Ave., New York City.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Hardware For Bifold Doors—C. Jorgensen Co., 534 2nd St., Oakland.
Other awards previously reported.

5— FLATS

To Be Done By Day's Work.
FLATS Cost. $6000
SAN FRANCISCO. S Greenwich St. 85 E Fillmore St.
Two-story and basement frame and stucco flats (8 rooms).
Owner—M. Barello, 230 Molten St., San Francisco.
Architect—Not Given.

6— GARAGES & SERVICE STATIONS

Sub-Contracts Awarded
SERVICE STATION Cost, $7000
STOCKTON, San Joaquin Co., Calif. 1809 Pacific Avenue.
Service station.
Owner — Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—J. A. Allen, 22 Sutter St., Stockton.
Plumbing—W. T. Gibson, 123 S. Grant St., Stockton.
Electric Wiring—Hild Electric Co., 125 W. Main St., Stockton.
Mill Work—Union Planing Mill, Taylor and Sutter Sts., Stockton.
Glass and Glazing—W. P. Fuller & Co. 218 S. Aurora St., Stockton.
Lumber—San Joaquin Lbr. Co., Scotts Ave. and Madison, Stockton.
Structural steel, ornamental iron, roofing, sheet metal, painting will be furnished by the owners.

BIDS WANTED
SERVICE STATION Cost, $10,000
STOCKTON, San Joaquin Co., Calif. California and Oak Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

To Be Done By Day's Work
ALTERATIONS Cost, $1,500
OAKLAND, Alameda Co., Calif. 9317 Olive Street.
Alterations and additions to one-story garage.
Owner—Karl Moser, 9317 Olive Street, Oakland.
Architect—Not Given.

Ornamental Iron Contract Awarded
ALTER GARAGE Cost, $50,000
SAN FRANCISCO. 17th, Kansas and Rhode Island Streets.
Alterations and additions to garage building (work includes concrete, structural steel, plumbing, etc.)
Owner—Regents of the University of California, Berkeley.
Lessee—Pacific Greyhound Lines, Inc., 9 Main Street.
Contractor—George P. W. Jensen, 320 Market Street.
Ornamental Iron—Patterson & Koster Iron Works, 280 13th Street.
As previously reported, plumbing contract awarded to Wm. J. Forster Sons, Ltd., 355 4th St.; concrete to Mission Concrete Co., 270 Turk St.; grading to Devincenzi Bros., 150 Collins St.; electric to De Latour Electric Co., 320 Peoria St.; structural steel to Judson-Pacific Co., 609 Mission St.

Contract Awarded.
SERVICE STATION Cost, $7000
STOCKTON, San Joaquin Co., Cal. No. 1809 Pacific Avenue.
Service station.
Owner — Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—J. A. Allen, 22 Sutter St., Stockton.

Plans Completed
SERVICE STATION Cost, $——
SAN FRANCISCO. Broderick and Lombard Streets.
Steel service station (steel sides and roofing, concrete floors, steel sash plate glass, toilets, etc.)
Owner—Union Oil Co., 220 Bush St., San Francisco.
Architect—Edith Northam, 3052 W. Pico Blvd., Los Angeles.
Bids will be asked shortly.

July 9, 1934

PLANS COMPLETED

SAN FRANCISCO.—Architect Edith Northman, 3052 W. Pico Blvd., Los Angeles, has completed plans for two service stations to be built in San Francisco for the Union Oil Co. Construction will be of steel frame, steel sides and roofing, concrete floors, steel sash, plate glass, toilets, etc. Bids will be taken from northern contractors.

Plans To Be Prepared.

SERVICE STATION Cost, $——
SAN MATEO, San Mateo Co., Cal.
Third and El Camino Real.
Steel and concrete service station (steel sides and roofing, concrete floors, steel sash, plate glass, toilets, etc.)
Owner—Union Oil Co., 220 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

Plans Completed.

SERVICE STATION Cost, $——
SAN FRANCISCO. Pine and Franklin Streets.
Steel and concrete service station (steel sides and roofing, concrete floors, steel sash, plate glass, toilets, etc.)
Owner—Union Oil Co., 220 Bush St., San Francisco.
Architect—Edith Northam, 3052 W. Pico Blvd., Los Angeles.
Bids will be asked shortly.

7—FEDERAL BUILDING

LOW BIDDERS

SAN DIEGO, Cal. — Los Angeles Contracting Company, 4816 W. Pico Blvd., Los Angeles, at $378,000 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of seven hangars at the Naval Operating Base (Air Station) San Diego.

Work includes structural steel, brick tile, steel windows, plumbing and electrical systems. Spec. No. 7295-A. Estimated cost, $245,000.

Following are three low bids:

Los Angeles Contracting Co., Los Angeles $378,000
M. H. Golden, San Diego..... 384,580
H. Mayson, Los Angeles 385,600

Complete bids will be published shortly.

BIDS WANTED

LUALUALEI, T. H.—Until Sept. 5, 11 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for buildings, roads and services at the Naval Radio Station, Lualualei, T. H. Specification No. 7525. Work includes macadam pavements; concrete; hollow tile; steel, iron and bronze work; steel windows; roofing, siding and sheet metal work; asbestos shingles; metal and metal covered doors; metal studding, furring and lathing; plastering; marble and tile work; asphalt tile flooring; carpentry and joinery; wood frame and all-metal screens; sewer and water distributing systems drinking fountains; plumbing and electrical work. Plans and specifications may be obtained from above office and from the Commandant, 14th Naval District, Navy Yard, Pearl Harbor or from Commandant, Twelfth Naval District, 100 Harrison Street, San Francisco, upon deposit of $75.

PROSPECTIVE BIDDERS

CARLSBAD, New Mexico—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on July 26 for the construction of the U. S. Post Office at Carlsbad, New Mexico:

Herbert M. Baruch Corp., 625 S. Olive St., Los Angeles.
Allied Constr. Co., P. O. Box 1773, Fort Worth, Texas.
A. Smith & Co., 100 W. La Salle St., Chicago, Ill.
Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.

ADDITIONAL PROSPECTIVE BIDDERS

SUMMITT, Canal Zone—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on August 1 for the construction of buildings, roads, services, etc., at the Naval Radio Station, Summitt, Canal Zone. Specification No. 7415:

Robert E. McKee, Central Bldg., Los Angeles.
Segfreed Olsen Shipping Co., Robert Dollar Bldg., San Francisco.
Ingals Iron Works Co., Birmingham, Alabama.
Mechanical Engr. Service, 1315 H St., N. W., Washington, D. C.
W. P. Thurston Co., Inc., Richmond, Virginia.
The Yale & Towne Mfg. Co., Stanford, Conn.
W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.
Truscon Steel Co., Investment Bldg., Washington, D. C.
Allied Constr. Co., Fort Worth, Tex.
Hillard Heating & Plumbing Co., 248 Ivy St., Atlanta, Ga.

CONTRACT AWARDED

POCATELLO, Idoha—Smythe & Co., Washington, D. C., at $3468 awarded contract by Treasury Department for miscellaneous changes to the U. S. Post Office at Pocatello, Idaho.

BIDS WANTED

FRESNO, Cal.—Until 2 P. M., July 17, bids will be received by the Department of Agriculture, Washington, D. C., for sheet metal work in connection with the U. S. Experimental Vineyard project at Fresno.

LOW BIDDER

SAN JOSE, Santa Clara Co., Calif. —Interior Steel Equipment Co. submitted the low bid to the Treasury Department supply division June 22 at $1077.75, for metal shelving for the U. S. post office at San Jose.

CONTRACT AWARDED

ALCATRAZ, Cal.—Patterson Bros., 2059 Webster St., Oakland, at $4,280 awarded contract by Warden, Alcatraz for painting interior of Bldg. No. 68, U. S. Penitentiary, Alcatraz Island.

CONTRACT AWARDED

ALCATRAZ, Calif.—Fred. J. Early, 369 Pine Street, San Francisco, at $4,705 awarded contract by Warden, Alcatraz, for alterations to three quarters complete Bldg. No. 64-M-1, 64-K-1 and 64-L-2.

BIDS WANTED

SAN DIEGO, Calif.—Until July 31, bids will be received by Treasury Department for the construction of a quarantine station at San Diego. Further details will be announced shortly. (4834) • 7

COMPLETE BID LISTING

OAKLAND, Cal.—As previously reported, Higgins Awning & Linoleum Co., 2335 Broadway, Oakland, at $4749 submitted low bid to the Treasury Department for linoleum floor covering for the U. S. Post Office and Customhouse at Oakland.

Complete bids follow:

Higgins Awning & Linoleum Co., Oakland $4,749
Maxwell Hdwe. Co., Oakland..... 5,436
Van Fleet-Freear Co., S. F..... 5,813

Bids held under advisement.

BIDS OPENED

LAS VEGAS, Nevada — H. J. McKinley, Beverly Hills, at $2318 submitted low bid to Treasury Department, Washington, D. C., for painting plaster in the U. S. Post Office at Las Vegas, Nevada. Complete bids follow:

H. J. McKinley, Beverly Hills..... $2318
Arthur M. Golden Co., Chicago.... 3663
A. N. Klaas, Los Angeles..... 4950
G. E. Kimkle, Las Vegas, Nev..... 5464
Frank W. Shark, Las Vegas, Nev. 7000
F. M. Longley, Las Vegas, Nev... 7234
Jondahl Paint Co., Las Vegas.... 8897

CONTRACT AWARDED

YUMA, Ariz. — Aeroshade Company awarded contract by Treasury Department at $322, for furnishing shades and blinds for the U. S. post office at Yuma.

BID OPENING DATE POSTPONED

NOGALES, Ariz.—Until 3 P. M., July 24 (opening date postponed from July 10), bids will be received by the Treasury Department, Washington, D. C., for the construction of the United States immigration station at Nogales, Arizona.

CONTRACT AWARDED

SAN DIEGO, Cal.—Gill Electric Co., 1227 Fourth Ave., San Diego, at $2,325 awarded contract by Twelfth Naval District for services to final assembly shop at the Naval Operating Base, San Diego; Spec. 7711.

COMPLETE BID LISTING

PORTLAND, Ore.—As previously reported, D. Zelinsky, 165 Grove Street, San Francisco, at $11,780 submitted low bid to Treasury Department for painting plaster, etc., in the U. S. Courthouse, etc., at Portland. Complete bids follow:

D. Zelinsky, San Francisco..... $11,780
H. J. McKinley, Beverly Hills.... 12,242
Patterson Bros., Oakland..... 15,430
A. J. Johnson, Portland..... 15,489
West Coast Painters, Seattle..... 15,693
Raphael Co., San Francisco..... 15,825
V. M. Philip, Inc., Portland..... 16,850
A. M. Golden Co., Chicago..... 17,111
Henneman & Johnson, Portland 17,787

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO.—L. & E. Emanuel, Inc., 2665 Jones St., at $949 submitted low bid to Custodian, U. S. Post Office, San Francisco, for wickets and wood screens, etc., for the post office and courthouse, San Francisco. Following bids received:

L. & E. Emanuel, Inc..... $ 949.00
Ostlund & Johnson 1,332.50
R. Brandlein Co. 1,348.00
Thomas M. Jones 1,548.00

Bids held under advisement.

BIDS WANTED

PEARL HARBOR, T. H.—Bids are being received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for fireproof ceiling in storehouse extension at the Naval Air Base, Pearl Harbor. Bid opening date not yet set.

SITE BIDS WANTED

TRACY, San Joaquin Co., Calif.—Until July 23, 9 A. M., bids will be received by Postmaster Geo. H. Gischel, Tracy, for a site for the proposed new post office building for Tracy. Specifications call for approximate dimensions of 85 foot frontage and 145 foot depth for corner lot and 110 foot frontage and 145 foot depth for inside lot.

BIDS WANTED

VISALIA, Tulare Co., Calif.—Until July 18, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for wood

slat shades for 46 window openings for the Visalia Post Office; Proposal No. 157.

BIDS WANTED

SUMAS, Wash.—Until July 25, bids will be received by the Custodian, U. S. Inspection Station, Sumas, for flood lighting and sign for the Inspection Station at Sumas. 7

BIDS WANTED

MARCH FIELD, Riverside Co., Cal. —Until 10 A. M., July 24, bids will be received by the Constructing Quartermaster, March Field, Riverside, for the construction of ordnance magazines at March Field. Plans and specifications may be obtained from the Constructing Quartermaster upon deposit of $5.

BIDS OPENED

MARE ISLAND, Cal.—Jones Bros. Asbestos Co., 370 Second St., San Francisco, at $3100 submitted low bid to Public Works Officer, U. S. Navy Yard, (Mare Island, for furnishing and installing heat insulating covering for breeching flue connections, heaters and storage tanks at the Central Power Plant, U. S. Navy Yard, Mare Island. Work consists of the removal of existing covering on breeching and furnishing and installing of insulatig covering on the following: breechings, boiler flue connections, heater, storage tank with float boxes and the miscellaneous pipe connections pertaining to the heater and storage tank, the waterproofing and painting of the covering and the furnishing and installing of saeel base boards, all as specified. Specification No. 7707. Complete bids follow:

Jones Bros. Asbestos Co.	$3100
Standard Asbestos Co.	3373
Asbestos Co. of California	3480
Plant Rubber & Asbestos Co.	4370
Western Asbestos Magnesia Co.	4559
Bay City Asbestos Co.	5068
Alternate	3825

All bidders of San Francisco

Bids referred to Washington for award.

Bids Wanted—To Close July 31.

EXTEND P. O. Cost, $110,000

SANTA CRUZ, Santa Cruz Co., Cal.

Extension and remodeling of present Post Office Bldg. (stone and terra cotta exterior, tile roof, etc.)

Owner—United States Government.

Plans by Treasury Dept., Washington D. C.

On previous bid opening lowest bid was submitted by K. E. Parker Co., 135 South Park, San Francisco, at $90,980.

CONTRACT AWARDED

ALBROOK, Canal Zone—Grebien & Martenz, Panama City, at $37,359 awarded contract by War Department for the construction of a quartermaster maintenance building, paint house and dope house at Albrook Field, Canal Zone.

ADDITIONAL PROSPECTIVE BIDDERS

SUMMIT, C. Z.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on August 1 for the construction of buildings, roads, services, etc., at the Naval Radio Station, Summit, Canal Zone. Specification No. 7415.

Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis, Mo.

The Carrado Co., Inc., 62 8th Ave., Newark, N. J.

North American Const. Co., 111 W. Ashley St., Jacksonville, Fla.

Crane Co., Washington, D. C.

H. B. Nelson Const. Co., Red Rock Bldg, Atlanta, Ga.

Detroit Steel Products Co., 42 Channing St. NE., Washington, D. C.

General Electric Co., Schnectady, New York.

8— CLUB BUILDINGS

July 6, 1934

Plans Being Revised.

CLUBHOUSE Cost, $6000

OAKLAND, Alameda Co., Calif. Glenfield Ave. near Park Blvd.

One- and two-story frame clubhouse.

Owner—Glen View Women's Club, 4912 Park Blvd., Oakland.

Plans by V. N. Strang, 1521 Ninth St., Alameda.

Plans Completed

CLUBHOUSE Cost, $8000

NEWARK, Alameda Co., Calif.

One - story wood frame club house (Swiss Chalet type).

Owner—Alpine Swiss Society (Frank Fries in charge) RFD Box 132, Newark.

Architect—Wm. Higgins, 19 N. Second St., San Jose.

Owners will take bids shortly.

CONTRACT AWARDED

SAN FRANCISCO — The Montague Co., 1375 Eddy St., at $3000 awarded contract by the Century Club, 1355 Franklin St., for furnishing and installing boilers, ventilating unit, sheet metal, etc., in the auditorium of the Century Club.

Contract Awarded.

CLUBHOUSE Cost, $6000

OAKLAND, Alameda Co., Cal. Glenfield Ave. near Park Blvd.

One and two-story frame clubhouse.

Owner—Glen View Women's Club, 4912 Park Blvd., Oakland.

Plans by V. N. Strang, 1521 Ninth St., Alameda.

Contractor — Hambleton, 1005 Chatham Road, Oakland.

9— HOSPITALS

Plans Being Prepared.

HOSPITAL BLDGS. Cost, $184,000

CAMARILLO, Ventura Co., Cal. State Hospital.

Group of buildings at State Hospital (reinforced concrete power house, kitchen and dining hall, patients' unit, etc.)

Owner—State of California.

Architect—George E. McDougall, Public Works Bldg., Sacramento.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —Dohrmann Hotel Supply Co., 972 Mission St., San Francisco, at $1637 awarded contract by Constructing Quartermaster, Hamilton Field, for furnishing and installing kitchen equipment in the hospital building at Hamilton Field.

PLANNED

RIVERSIDE, Riverside Co., Calif.—Riverside county supervisors are considering a plan to apply for SERA aid in financing the construction of a new county hospital building in Riverside. Plans for the building, which were drawn by Architect G. Stanley Wilson of Riverside, contemplate a three- or four-story steel frame structure estimated to cost from $68,000 to $80,000.

PLANS COMPLETE

LOS ANGELES, Cal.—Wm. Davidson, Los Angeles county mechanical engineer, Hall of Records, has submitted plans to the county supervisors for three one-story units and connecting arcades for blocks C, D and E (FA 251, 252 and 253), Los Angeles County Farm, Rancho Los Amigos. The work will include extensions to steam lines, water lines, sewer lines and electric services and circuits. The buildings will be reinforced concrete structures with tile and composition roofing, metal skylights, tile and cement floors, plate glass, linoleum, wrought iron, steel double-hung and casement windows, marble toilet partitions, marble thresholds, hollow metal frames and screens, etc. Cost ,$133-700.

CONTRACT AWARDED

SAN FRANCISCO—Tilden Lumber Co., Foot of University Ave., Berkeley, at $6250 awarded contract by U. S. Forest Service for four ready-cut frame buildings of one plan with about 4000 lineal feet of floor area.

Complete bids published July 3.

BIDS OPENED

SAN FRANCISCO — J. B. Harris Laboratory, 2005 Channing Way, Berkeley, at $4400 submitted low bid to Purchasing Department, State Harbor Board for furnishing and installing six fog sirens for the San Francisco-Oakland Bay Bridge. Only other bid was submitted by the E. D Bullard Company, San Francisco, at $5900 Bids held under advisement.

10— HOTELS

Contract Awarded

ALTERATIONS Cost, $6000

STOCKTON, San Joaquin Co., Cal. 125 E. Weber Avenue.

Alterations to hotel.

Owner—McDonough Estate.

Architect—Not Given.

Contractor—O. H. Chain, 41 Sutter St. Stockton.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

Plans Being Revised

AUDITORIUM Cost, $375,000

SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.

Three - story reinforced concrete and structural steel civic auditorium plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1,000; stage, etc.)

Owner—City of San Jose (C. B. Goodwin, City Manager).

Architect—Binder and Curtis, 35 West San Carlos St., San Jose.

Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.

New bids will be asked in one week. Following submitted low bids on bid opening June 25:

General contract, Chas. Thomas, 127 Clayton Avenue, San Jose, $342,895; plumbing, Scott Co., 243 Minna Street, San Francisco, $12,767; sprinkler system, J. H. Pinkerton, 927 Howard St., San Francisco, $4923; electric, Roy M. Butcher, 1020 Sherwood Avenue, San Jose, $22,060; mechanical, Carpenter & Mendenhall, 907 Front St., Sacramento, $53,830.

Complete bids published June 26.

FUNDS ALLOTTED

SANTA BARBARA, Calif. — Public Works Administration has allocated $375,000 for the proposed municipal auditorium and seawall to be constructed on the ocean front in Santa Barbara. Approximately $93,750 of this amount would be an outright gift to the city, the balance to be loaned providing the voters approved a bond issue. Preliminary plans for the structure have been prepared by the Associted Architects of Santa Barbara, 116 E. Sola Street.

PLANNED

SANTA MARIA, Santa Barbara Co., Cal.—SERA officials have approved the expenditure of funds for the necessary labor on the Veterans' Memorial bldg. in Santa Maria, and work was started this week. Materials for the structure will be purchased by the County of Santa Barbara. Approximately $75,000 will be spent on the building, which will contain a large auditorium, club rooms, dining room, fully-equipped kitchen, dressing rooms and recreation room. A. M. Hansen, Santa Maria, prepared plans for the structure and will supervise construction.

To Be Done By Day's Work.
BUILDINGS Cost, $50,000
SACRAMENTO, Sacramento Co., Cal. State Fair Grounds.
One-story wood frame educational building (400x80 feet) and two wood frame horse barns (temporary buildings).
Owner—State of California.
Architect—George B. McDougall, Public Works Building, Sacramento.
Work is being done by day's labor under SERA.

July 11, 1934

Preliminary Plans Completed.
COURTHOUSE Cost, $1,712,000
OAKLAND, Alameda Co., Cal. 7th and Fallon Streets.
Six-story mezzanine floor and basement reinforced concrete courthouse (220,000 sq. ft. of floor space), offices, courtroom, judges' chambers, storage room, paint shops, etc.
Owner—County of Alameda.
Architect—W. E. Schirmer, Financial Center Bldg., Oakland; James W. Plachek, Mercantile Bank Bldg., Berkeley; Carl Werner, 1303 Bay St., Alameda; William J. Corlett, Bank of America Bldg., Oakland; H. A. Minton, 2044 Alameda Ave., Alameda.

BIDS WANTED

SAN LEANDRO, Cal.—Until July 24, 10:30 A. M., bids will be received by Alameda County Board of Supervisors for furnishing and installing furniture and kitchen equipment in the Veterans Building, San Leandro. Henry H. Meyers, Kohl Bldg., San Francisco, Architect. Specifications may be obtained from the County Purchasing Officer.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 13,033 Broadway Terrace.
One-story frame and stucco residence (5 rooms).
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland.

Contract Awarded
ALTERATIONS Cost, $12,500
PALO ALTO, Santa Clara Co., Calif. Campus of Stanford University.
Alterations to sorority house.
Owner—Kappa Alpha Theta Sorority.
Architect—John K. Branner, 210 Post St., San Francisco.
Contractor — Moore and Roberts, 693 Mission St., San Francisco.

Contract Awarded
RESIDENCE Cost, $3000
SAN FRANCISCO, SE Pacheco and Oriole Way.
One-story and basement frame and stucco residence.
Owner—P. H. Olivero.
Contractor—A. R. Lyon, 401 Phelan Building.

To Be Done By Day's Work
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. 464 Spruce Street.
Two-story frame and stucco residence (7 rooms).
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Plans by Owner.

To Ask Bids July 16.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Arlington Avenue.
One-story and basement frame and stucco residence (5 rooms and 1 bath); shingle roof, gas heating system, hardwood floors.
Owner—Withheld.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Sub-Contracts Awarded.
ALTER RESIDENCE Cost, $1500
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Alterations to frame residence (plastering, tile roof, plumbing, wall tile, etc.)
Owner—D. Bohannon.
Architect—E. L. Norberg, 470 Occidental Ave., Burlingame.
Contractor — W. O. Nickolaides, 218 Peninsula Ave., San Mateo.
Heating—W. E. Allen, Burlingame.
Plumbing—W. E. Allen, Burlingame.
Electric Wiring—Mausser Electric Co. Burlingame.
Mill Work—Nelson & Shirkey, Burlingame.
Roofing and Sheet Metal — Izmarian Roofing Co., San Mateo.
Painting—M. Lambrook, Burlingame.
Plastering—Reg. Hampton, San Mateo
Tile Work—Benetti Tile Co., San Mateo.
Glass and Glazing — Peninsula Glass Co., San Mateo.
Lumber—Wisnom Lumber Co., San Mateo.
Hardware—Wisnom Lumber Co., San Mateo.
Hardwood Floors—Regal Floor Co., 450 Spear St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $——
UKIAH, Mendocino Co., Cal. Perkins and Hortense Streets.
Alterations to residence for apartments (2 5-room apts.)
Owner—Mrs. Jessie Brunner and W. H. Brunner, Preston Bldg., Ukiah.
Architect—Not Given.
Contractor — Harry Engman, 265 Washington St., Palo Alto.

Additional Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two-story frame and stucco residence (6 rooms) Colonial Type.
Owner—Withheld.
Architect—Not Given.
Contractor—F. W. Confer, 976 Keeler Rve., Berkeley.
Floors—Ambrose Bros., 48th Avenue, Oakland.
Hardware (Finished)—Maxwell Hardware Co., Shattuck at Addison, Oakland.
Glazing—Carter Glass Co., 333 Ninth St., Oakland.
Steel Sash — Gleason Steel Products Co., 63rd and Doyle, Emeryville.
Painting—Joseph Barbieri, 1842 Derby St., Berkeley.
Brick—Wilhelm Holst, 2827 Park St. Berkeley.
Electric Wiring — Higgins Electric Service, 1638 Stuart St., Berkeley.
Fixtures—K. Von Hacht, 110 Sutter St., San Francisco.
Other awards previously reported.

Sub-Contracts Awarded
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 26 Ascot Court.
Two-story frame and stucco residence (six rooms).
Owner—F. L. R. Confer, 2812 Russell St., Berkeley.
Plans by Owner.
Contractor—F. W. Confer, 976 Keeler Avenue, Berkeley.
Lumber—Tilden Lumber Co., foot of University Ave., Oakland.
Concrete—Axel A. Johnson, 1844 Channing Way, Oakland.
Concrete Materials—Golden Gate Stucco & Bldg. Materials Co., Masonic and Brighton Ave., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal. Holabird and Garber Streets.
Two-story and basement brick veneer and rustic residence (9 rooms and 3 baths) shinge roof, hot air heating system, hardwood floors, tile baths, etc.
Owner—Ray Vandervort.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.
Concrete—Nat Lena, 1174 19th Street, Oakland.
Mill Work — Oakland Planing Mill, Inc., Second and Washington Sts., Oakland.
Sub-bids are being taken on other portions of the work.

Contract Awarded.
RESIDENCE Cost, $8500
OAKLAND, Alameda Co., Cal. Ivanhoe Road, between Shafter Ave. and Chabot St.
One-story frame and stucco residence (Spanish style); tile roof, plank hardwood floors, tiled baths, gas hot air heating system, etc.
Owner—Withheld.
Architect—Not Given.
Contractor—Ernest W. Urch, 1924 50th Ave., Oakland.
Sub-bids will be taken within a few days.

To Be Done By Day's Work
RESIDENCE Cost, $5000
SAN FRANCISCO, W 27th Ave. 100 S Camino Del Mar.
One-story and basement frame and stucco residence.
Owner—Sarah Cohen, 364 Bush Street.
Architect—Not Given.

SUB-BIDS WANTED

PEBBLE BEACH, Monterey Co., Cal.—Rollin F. Pierson, 6763 Hollywood Blvd., Los Angeles, desires subcontracts from northern contractors for a Monterey type residence he will build near Pebble Beach for a client. Construction will start after Sept. 1. It will be a two-story structure, containing 12 rooms; frame construction, brick, stucco and shakes exterior, shingle roofing, oak, pine and linoleum floors, knotty pine walls and trim, six tiled bathrooms, tile drainboard, toilets and showers, gas heating, wood sash, roller screens, garage, etc. Cost, $25,000.

Grading Contract Awarded
RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Cal. The Uplands.
Two-story and basement frame and stucco residence (10 rooms and 6 baths) tile roof, hardwood floors, colored tile baths, etc., reinforced concrete bridge over creek in connection with residence, 45 ft. long.
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 369 Pine St., San Francisco and Premises.
Grading & Excavation—Ariss Knapp, 961 41st St., Oakland.

Sub-bids will be taken within a few days.

Contract Awarded.
RESIDENCE Cost, $18,000
MARIN COUNTY, Cal.
Two-story and basement frame and stucco residence (12 rooms and 4 baths) tile roof, gas heating system, hardwood floors, tiled baths.
Owner—James Adams.
Architect—A. J. Evers, 525 Market St. San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco.

To Be Done By Day's Work
STORE & RESIDENCE Cost, $——
SAN FRANCISCO. NW Hudson and Donahue.
One - story and basement frame and stucco store and rseidence.
Owner and Builder—Joseph Carnellery, 311 Visitacion Ave., Brisbane.

Contract Awarded.
RESIDENCE Cost, $4000
REDWOOD CITY, San Mateo Co., Cal. No. 1557 Hudson Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—Isadore Landes.
Architect—Not Given.
Contractor — Prosper Bou, 605 Angus Ave., San Bruno.

Contract Awarded.
DWELLING Cost, $3100
OAKLAND, Alameda Co., Cal. No. 2524 Twenty-fifth Avenue.
One-story five-room dwelling.
Owner—H. A. Pleitner, 4021 E-14th St., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon Ave., Oakland.

PREPARING PLANS
SANTA BARBARA, Cal.—Southern California Building Co., 3543 W. 60th St., Los Angeles, is preparing plans for a Spanish style residence to be erected in Santa Barbara for Mr. Rolph. It will be a two-story structure, containing 15 rooms and 7 bathrooms; frame and stucco construction, tile roof, hardwood and tile floors, etc. Cost, $38,000.

TAKING SEGREGATED BIDS
PORTERVILLE, Tulare Co., Cal.—Architect William J. Gage, 468 N. Camden Drive, Beverly Hills, is taking segregated bids for a one-story residence to be built on a ranch near Porterville for T. W. Hall. Construction will be frame, composition shingle roofing, oak and pine floors, pine trim, two tiled bathrooms, electric heating, water heater, tile drainboard, garage, etc.

Sub-Contracts Awarded
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Calif. 1921 Oak View Drive.
Two-story frame and stucco residence (8 rooms) Spanish style, tile roof, hardwood floors, etc.
Owner and Builder—W. P. Harwood, 2514 Lyon Ave., Oakland.
Architect—Not Given.
Sheet Metal—Golden Gate Sheet Metal Works, 1422 14th Ave., Oakland.
Fixtures—Kerr & Clifford, 3525 East 14th St., Oakland.
Painting—A. F. Palmer, 3202 35th Ave. Oakland.
Plastering—Harry Mortensen, 4060 E. 18th St., Oakland.
Plumbing—Wm. P. Rouse, 3606 Ardley Ave., Oakland.

Contract Awarded.
ALTERATIONS Cost, $10,336
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus.
Alterations and additions to sorority house (new front, etc.)
Owner—Kappa Kappa Gamma Sorority.
Architect — J. K. Branner, 210 Post St., San Francsico.
Contractor — H. H. Dabinett, 1402 Parkinson St., Palo Alto.

Plans Being Figured—Bids Close July 17, 3 P. M.
ALTER RESIDENCE Cost, $——
SAN FRANCISCO. No. 1909 Vallejo Street.
Alterations to residence (complete alterations to interior and exterior, work includes plumbing, painting, plastering, electrical work, etc.).
Owner—A. M. O'Neill.
Architect—Kent & Hasa, 525 Market St., San Francisco.
Bids are being received from a selected list of contractors only.

Contract Awarded
ADDITIONS Cost, $1200
BERKELEY, Alameda Co., Cal. 1463 Hopkins Street.
Additions to residence.
Owner—C. A. Phillips, 1463 Hopkins St., Berkeley.
Architect—Not Given.
Contractor—Frank G. Applebe, 2405 Acton St., Berkeley.

CONTRACT AWARDED
SANTA BARBARA, Cal.—O. J. Kenyon, 21 E. De la Guerra, Santa Barbara, awarded contract for erection of a 6-room residence at 2117 Alameda Padre Serra, Santa Barbara, for Mrs. Mattie Ashcraft. Cost, $7500. E. K. Lockard, architect, 117 E. De la Guerra, Santa Barbara.

Contract Awarded.
ADDITIONS Cost, $1500
BERKELEY, Alameda Co., Cal. No. 570 Santa Clara Street.
Additions to residence.
Owner—John Elliot, 570 Santa Clara St., Berkeley.
Architect—Not Given.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont.

Contract Awarded.
ALTERATIONS Cost, $1575
SAN FRANCISCO. No. 2918 Army St.
Alterations to frame residence.
Owner—John Noakes, 2918 Army St., San Francisco.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission St., San Francisco.

Sub-Contracts Awarded
ALTERATIONS Cost, $——
ATHERTON, San Mateo Co., Calif.
Alterations and additions to residence (add room, general overhauling, change entrance, add bath, garage etc.)
Owner — Mr. and Mrs. Laurance H. Dorsey.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Arthur Payne, 219 Jeter St., Redwood City.
Masonry—Finoli & Bettini, Menlo Pk.
Plumbing—R. Wilson, Atherton.
Electric Wiring—Coast Electric Co., Redwood City.
Mill Work — Pacific Mfg. Co., Santa Clara.
Roofing—Reeves Roofing Co., Palo Alto
Sheet Metal—Sequoia Sheet Metal Works, Redwood City.
Painting—A. Castagnimo, San Carlos
Plastering—W. Badie, Redwood City.
Tile Work—Art Tile Co., San Carlos.
Lumber—P. M. C. and West Bay Co., San Carlos.
Hardwood Floors—White Oak Co. Redwood City.

Prospective Bidders
RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park.
Two - story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Following have procured plans. Bids open July 16, 10 A. M.:
Jacks and Irvine, Call Bldg., San Francisco.
J. S. Malloch, 666 Mission St., San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco.
Leibert & Trobock, Rialto Bldg., San Francisco.
J. Harold Johnson, Hearst Bldg., San Francisco.
G. P. W. Jensen, 320 Market Street, San Francisco.

Additional Sub-Contracts Awarded
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Grizzly Peak Blvd.
Two-story frame and stucco residence (shingle roof, ornamental iron, stucco siding, tiled baths, hot water heating system, gas furnace).
Owner — Berkeley Hillside Properties Company.
Architect—Not Given.
Contractor—W. Netherby, 3853 Lyman Road, Oakland.
Tile—Brockhurst Tile Co., 2819 Shattuck Ave., Berkeley.
Furnace—Pollard - Seagrave Co., 472 20th St., Oakland.
Concrete—Axel A. Johnson, 1844 Channing Way, Berkeley.
Lumber (in part)—Smith Lbr. Co. of Oakland, foot of 19th Ave., Oakland.
Other awards previously reported.

Preparing Working Drawings.
RESIDENCE Cost, $10,000
APTOS, Santa Cruz Co., Cal.
Two-story and basement frame residence (batting exterior, shake roof, six fireplaces, Colonial type) 10 rooms and 3 baths.
Owner—Withheld.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Segregated bids will be asked in about six weeks.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 1021 Vassar Street.
Two-story frame and stucco residence
Owner and Builder—Taylor-Wheeler, Inc., Power Co. Bldg., Fresno.
Architect—Not Given.

15— SCHOOLS

15

Plans Being Prepared
ADDITION Cost, $6,000
AUBURN, Placer Co., Calif.
Addition to grammar school.
Owner—Auburn Grammar School Dist.
Architect—Harry Devine, California State Life Bldg., Sacramento.
Work will be done by day's labor under the SERA.

Plans Being Completed
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Calif.
One-story frame and stucco grammar school (five classrooms and recreation room).
Owner—Portola Grammar School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
It is expected that bids will be asked shortly.

BIDS WANTED

SHAFTER, Kern Co., Calif.—Until Tuesday, July 17, bids will be received by the Richland School District for the construction of a 14 - classroom school building at Shafter. Plans may be obtained from Architect Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield, upon deposit of $10. Building will have concrete walls, plastered exterior, rigid shingle roof, wood partitions, metal lath, maple floors, steam heating system, etc. Est. cost, $75,000.

Plans Completed

IMP. SCHOOL Cost, $100,000

PALO ALTO, Santa Clara Co., Cal.

Reconstruction and repairs to Palo Alto High School (work includes entire reconstruction of auditorium of reinforced concrete construction repairs and improvements to Administrative unit of frame construction).

Owner—Palo Alto High School Dist.

Architect—Birge M. Clark, 310 University Ave., Palo Alto.

Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.

Plans have been forwarded to Sacramento for approval. Bids will be asked shortly.

Sub-Contracts Awarded

ADDITION Cont. Price, $15,746

SANTA ROSA, Sonoma Co., Cal. High School.

One - story reinforced concrete addition to high school shop (67x100 ft.) steel trusses, concrete floors.

Owner—Santa Rosa High School Dist. (Sara A. Pryor, Secretary).

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contractor—Louis Holvorsen, 128 Dutton Ave., Santa Rosa.

Lumber—Sterling Lumber Co., Santa Rosa.

Mill Work—Allan F. Smith, Santa Rosa.

Plumbing—P. A. Dont, Santa Rosa.

Glass and Glazing—George Dale and Son, Santa Rosa.

Sheet Metal—Gust Malm, Santa Rosa

Brick Work—D. Lancina, Santa Rosa.

Electrical Work—L. A. Drake, Santa Rosa.

Painting—L. W. Jenson, Santa Rosa.

Reinforcing Steel—Truscon Steel Co., 604 Mission St., San Francisco.

Metal Sash and Misc. Iron—Mortenson Const. Co., 608 Indiana Street, San Francisco.

Steel Toilet Partitions—Trask and Squires, 39 Natoma St., San Francisco.

Steel Rolling Doors—Kinnear Mfg. Co. 361 Brannan St., San Francisco.

Cement, Sand, Gravel and Plastering Material—Santa Rosa Bldg. Materials, Santa Rosa.

Sub-Contracts Awarded

ADDITIONS Cont. Price, $9980

ALAMEDA, Alameda Co., Cal. Central Avenue and Oak Street.

Reinforced concrete and steel shop building addition to Alameda High School.

Owner—Alameda High School Dist.

Architect—Carl Werner, 1303 Bay St., Alameda.

Contractor — W. G. Thornally, 2059 Webster St., Oakland.

Heating—Henry Lass, 5300 Cole Street, Oakland.

Electric Wiring—Scott - Buttner Co., 19 Grand Ave., Oakland.

Mill Work—National Mill and Lumber Co., High St., Oakland.

Structural Steel — Independent Iron Works, 1821 Chase St., Oakland.

Reinforcing Steel—McGrath Steel Co., 2059 Webster St., Oakland.

Ornamental Iron—Frauneder Orn. Iron Works, 335 8th St., Oakland.

Roofing & Sheet Metal—Dickson-Holbrook Co., 2059 Webster Street, Oakland.

Painting—J. Turgeon, 2059 Webster St., Oakland.

Plastering—Frank Clauson, 2059 Webster St., Oakland.

Glass and Glazing—W. P. Fuller and Co., 259 10th St., Oakland.

Lumber—Sunset Lumber Co., High St. Oakland.

Iron Grille Work — Frauneder Iron Works, 335 8th St., Oakland.

Excavation has been completed.

Plans Completed.

SHOP Cost, $7000

SALINAS, Monterey Co., Cal.

One-story wood frame general shop (steel trusses, wood sash, etc.)

Owner—Salinas Union High School District.

Architect—Chas. Butner, 51 Maple St. Salinas.

Bids will be asked in about ten days

GRANT APPROVED

ROSEVILLE, Placer Co., Cal.—PWA approval grant of $16,000 to the Roseville School District. Funds are to be used to assist financing of school improvements in Roseville. Chas. Dean, California State Life Bldg., Sacramento, architect.

Plans Completed

AUTO SHOP Cost, $6000

SALINAS, Monterey Co., Calif. High School Site.

One-story wood frame auto shop bldg. (steel columns and trusses, composition roofing; 60x80 ft.)

Owner — Salinas Union High School District.

Architect—Chas. E. Butner, 61 Maple St., Salinas.

Plans have been forwarded to Sacramento for approval.

FUNDS ALLOTTED

ONTARIO, San Bernardino Co., Cal. —Public Works Administration has allocated $61,000 for the proposed new library building to be erected at Chaffey Junior college, Ontario. Allison & Allison, 1014 Edison Bldg., Los Angeles.

FUNDS AVAILABLE

SAN BERNARDINO, Cal.—San Bernardino Valley Junior College has been advised that funds for the college's $350,000 building program are available. The appropriation includes an outright grant of $105,000 and a loan of $245,000, the latter to be secured by a bond issue according to present plans. The program contemplates the construction of three buildings: An auditorium to cost $225,000; a technical building to cost $60,000, and a women's gymnasium to cost $65,000.

BIDS WANTED

COMPTON, Los Angeles Co., Cal.—Until 2 P. M., July 24, bids will be received by the Board of Public Building Reconstruction, at 600 S. Tamarind St., Compton, for repairing and rebuilding the Holly Avenue, Colonel Lindbergh and George Washington grammar schools in Compton for the Compton City School District. Separate bids will be taken for each project, the proposals to be segregated as follows: (1) general work; (2) plumbing and heating; (3) electrical work. Plans may be obtained beginning the first of next week, at 311 State Office Bldg., Los Angeles, upon deposit of $25 for each set. Certified or cashier's check for 10 per cent must accompany each bid. Work will consist of new frame and stucco exterior walls, composition roofing, interior plastering, floor repairs, etc. H. L. Gregory, architect, 116 N. Santa Fe Avenue, Compton.

Plans Being Figured—Bids Close Aug. 2nd, 8 P. M.

IMPROVE SCHOOL Cost, $120,000

SAN MATEO COUNTY, Calif.

Alterations and additions to San Mateo High and Applied Arts Bldg. and Burlingame high school (work includes steel, brick, concrete and wood construction).

Owner—San Mateo High School Dist.

Engineer—Harold Hammill, 381 Bush St., San Francisco.

Bids will be taken for the three buildings as a group and for each building separately. Plans and specifications may be obtained from Mr. Hammill upon deposit of $20.00 for each set of plans for each building.

Sub-Contracts Awarded

LOCKER ROOM Cont. Price, $12,503

SAN MATEO, San Mateo Co., Calif. High School Site.

One - story frame and stucco locker and shower room (55x81.6 feet) composition roofing.

Owner—San Mateo Union High School District (W. H. Eddy, Clerk).

Architect—Wm. Toepke, 74 New Montgomery St., San Francisco.

Contractor—J. Looman, 125 Park Rd., Burlingame.

Masonry—Ohran Bros., Burlingame.

Heating—H. Lander, Burlingame.

Plumbing—H. Lander, Burlingame.

Mill Work—San Mateo Planing Mill, San Mateo.

Electric Wiring—Atlas Electric Co., San Mateo.

Terra Cotta—San Mateo Feed & Fuel Co., San Mateo.

Structural Steel—Mortenson Const. Co. 608 Indiana St., San Francisco.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

Roofing—Izmarian Roofing & Sheet Metal Works, San Mateo.

Sheet Metal—Cotler Sheet Metal W'ks, San Mateo.

Painting—George Ames, Burlingame.

Plastering—B. C. Henderson, San Mateo.

Tile Work—Benity Tile Co., San Mateo

Glass and Glazing—Habenicht & Howlett, 529 Clay St., San Francisco.

Lumber—aSn Mateo Planing Mill.

Hardware—Burlingame Hardware Co., Burlingame.

Brick Work—Ohran Bros., Burlingame

Contract Awarded.

REPAIR SCHOOL Cont. Price, $37,559

SAN FRANCISCO. N McAllister St. bet. Franklin and Gough Streets.

Repair John Swett School.

Owner—City and County of San Francisco.

Engineer — H. J. Brunnier, Sharon Building.

Contractor—William Spivock, Hobart Building.

Following sub-contracts will be awarded:

Wrecking and Cutting—Emsco Concrete Cutting Corp., 260 Clementina St., $2367.

Structural Steel and Stack—California Steel Products Co., 490 Bay Street, $3750.

Miscellaneous and Ornamental Iron—Monarch Iron Works, 262 7th St., $324.

Gunite—California Gunite Co., Pier No. 35, $1495.

Reinforcing Steel Welding—L. Schaffer & Co., 366 10th St., $1.00 per lin. ft.

Sheet Metal — General Sheet Metal Works, 1529 Pine St., $669.

Electric—Fred Johnson Electric Co., 3365 Army St., $588.

Plumbing—Thomas Skelley, 1344 9th Avenue, $98.

Blackboards and Cork—Rucker-Fuller Co., 539 Market St., $876.

Roofing—Alta Electric Co., 467 O'Farrell Ct., $46.

Mill Work—J. L. Sage, 319 Bayshore Blvd., $85.00 M. ft.
Steel Sash — Michel & Pfeffer Iron Works, 10th and Harison Streets, $1000.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architect S. C. Lee, 2404 W. 7th St., and Structural Engineers Grant and Bruner, 607 Ferguson Bldg., to proceed with working drawings for reconstruction, rehabilitation and strengthening of the main building at the 59th Street school site, 5925 2nd Ave. Cost $71,814.

PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved completed plans for repairing, reconstructing and rehabilitating the Burnett elementary school, located at the corner of Hill and Atlantic Ave. Plans were prepared by Architect David E. Herrald, 732 Pine Avenue, and Structural Engineers J. H. Davies and C. D. Wailes, Jr., 1005 Ocean Center Bldg., Long Beach. The structure will be 1-story consisting of administration, auditorium and classroom buildings. The construction will be steel frame, composition roofing, maple floors, reinforced concrete work, steam heating.

LOW BIDDER

HUNTINGTON PARK, Los Angeles Co., Cal.—Johnson & Dahlquist, 654 E. 81st St., submitted low bid at $24,447 to the Los Angeles board of education July 10 for reconstruction, rehabilitation and strengthening of the Middleton Street school, located on the NE corner of Middleton and Zoe Avenue, Huntington Park. Richard M. Bates, Jr., 5333 Delaware Ave., architect, and W. M. Bostock, 6723 Passaic Street, Hunginton Park, structural engineer.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architect Wm. Mellema, 1661½ Beverly Blvd., to proceed with working drawings, both architectural and engineering, for reconstructing, rehabilitating and strengthening building No. 1 at the Second Street school site, 1942 E. 2nd St. Cost, $52,478.

PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved working plans for the Robert Louis Stevenson school to be built at Atlantic Ave. and 5th St. Plans by Structural Engineer Aaron J. Smith, 3726 Lemon Ave. and Architect Clarence N. Aldrich, 1834 Dawson Ave., Long Beach. Will contain 20 classrooms, kindergarten, offices and library. Reinforced concrete frame, concrete walls, composition roofing, concrete corridors and stairs, frame and plaster partitions, maple floors, tile toilet floors and wainscoting, steel toilet partitions, gas steam radiators, etc.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architect Walter E. Erkes, 1211 Rives-Strong Bldg., and Structural Engineer F. N. Ropp, 1014 Edison Bldg., to proceed with working drawings for reconstructing, strengthening and rehabilitating the main building at the 118th Street school site, 144 E. 118th St. Cost, $89,040.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architects Myron Hunt and H. C. Chambers, 408 S. Spring St., to proceed with working drawings for the erection of a 13-unit new building replacement at the Western Avenue school, 1755 W. 5th St. Cost, $89,613.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architect Arthur R. Huchason, 1001 Architects Bldg., and Structural Engineer, R. McC. Beanfield, Chamber of Commerce Bldg., to proceed with the working drawings for reconstructing, rehabilitating and strengthening the main and auditorium building, classroom building, and shop building at the John Burroughs junior high school 600 S. McCadden Place. Cost, $191,-050.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Calif.—Los Angeles board of education has approved preliminary plans and has authorized Architect Sumner Spaulding, California Bank Bldg., Beverly Hills, to proceed with working drawings for the erection of a new 13-unit building replacement at the Canoga Park elementary school, 21921 Valerio St., Canoga Pk. Cost, $89,360.

Plans Being Completed.

REPAIR SCHOOL Cost, $48,500
SAN FRANCISCO. Excelsior Ave. at London Street.
Repairs and reconstruction of Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishklan, 525 Market St., San Francisco.
Bids will be asked in about one week.

CONTRACT AWARDED

SA FRANCISCO.—Tattenham Elec. Co., 35 Marston Ave., at $3,150 was awarded contract by Department of Public Works for electrical work for the Bay View School, located at the southeast corner of Bay View and Flora Streets.

Work includes rewiring of basement floor, conduit to be Sheraduct Greenfield duct or equal; wire to be approved rubber covered wire; switches to be Hart & Hogeman, Bryant Electric or equal, of the flush tumbler type with bronze composition indicating handle; base plugs to be Hart and Hogeman Co. or Bryant Electric Co., or equal.

Complete bids published June 28.

BIDS OPENED

CHICO, Butte Co., Cal.—C. Freeman Smith, 3937 J St., Sacramento, at $4441.07 submitted only bid to Department of Public Works for refinishing one room in the library in the State Teachers' College, Chico. Bid held under advisement

Plans Being Completed.

SCHOOL Cost, $30,000
FRUITVALE, Kern Co., Cal.
One-story reinforced concrete school building (metal lath and plaster partitions, composition roofing, maple floors, awning type windows, low pressure steam heating system.
Owner—Fruitvale School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
Bids will be asked in about three weeks.

BID OPENING DATE POSTPONED

PASADENA, Los Angeles Co., Cal. —Until 11 A. M., July 24 (opening date postponed from July 20), bids will be received by the Pasadena Board of Education for repairing and strengthening the Washington Elementary School in Pasadena. Plans were prepared by Architect Frederick Kennedy Jr., 1041 E. Green St., Pasadena. The building will be divided into two separate structures and work will include removing a portion of the exterior brick walls and replace with reinforced gunite, strengthen roof trusses, etc. Cost, $100,000.

BIDS OPENED

RICHMOND, Contra Costa Co., Cal. —C. H. Brown, 220 S-12th St., Richmond, at $6980 awarded contract by Richmond Union High School District for lathing and plastering the classroom section of the Roosevelt Junior High School. Following bids received:
C. H. Brown, Richmond.....$6980
A. H. Winchocole, Richmond..... 8217
Vincent Fatta, Oakland..... 8990
Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO. — Gill-Mann Co., 725 Tehama St., at $2,943 awarded the contract by Department of Public Works for interior painting of the Pacific Heights School, located on the northwest corner of Webster & Jackson Streets.

Complete bids published July 7.
(4741) 1st report June 21; 2nd, July 7, 1934.

CONTRACT AWARDED

SAN FRANCISCO. — Gill-Mann Co., 725 Tehama St., at $1,477 awarded the contract by Department of Public Works for interior painting of the Longfellow School, southwest corner of Lowell and Morse Sts.

Complete bids published July 7.
(4758) 1st report June 25; 2nd, July 7, 1934.

CONTRACT AWARDED

TEHACHAPI, Kern Co., Cal.—Williams & Greenough, 130 Lincoln St., Bakersfield, at $43,474.74 awarded the contract by Tehachapi Elementary School District for the construction of a new grammar school building at Tehachapi. The district forwarded the three low bids to the Public Works Administration with the recommendation that the contract be awarded to Williams and Greenough. Edwin J. Symmes, architect, Haberfelde Bldg., Bakersfield. The building will have reinforced concrete frame, concrete filler walls, maple floors, rigid asbestos shingle and composition roof, gas unit heating system.

CONTRACT AWARDED

SAN FRANCISCO.—D. Zelinsky & Sons, Inc., 165 Grove St., at $2,892.00 awarded contract by Department of Public Works for interior painting of the Sanchez School, Sanchez and 17th Streets.

CONTRACT AWARDED

SAN FRANCISCO. — Gill-Mann Co., 725 Tehama St., at $2,587 awarded the contract by Department of Public Works for interior painting of Grant School, located on Pacific Ave. between Baker and Broderick Sts.

BIDS WANTED

PASADENA, Los Angeles Co., Cal. —Until 11 A. M., July 24 (opening date postponed from July 20), bids will be received by the Pasadena Bd. of Education for repairing and strengthening the Washington Elementary School in Pasadena. Frederick Kennedy, Jr., 1041 E. Green St., Pasadena, Architect. The building will be divided into two separate structures and work will include removing a portion of the exterior brick walls and replace with reinforced gunite, strengthening roof trusses, etc. Cost $100,000.

BIDS OPENED

SAN FRANCISCO. — Following bids received by Purchasing Department for furnishing wooden school furniture for the School Department, including:

(1) 300 chairs, tablet, arm, 18 inches in height;
(2) 500 chairs, library, 18 inches;
(3) 400 chairs, assembly folding, in sets of two;
(4) 6 chairs, swivel, full quartered oak, without arms;
(5) 500 chairs, primary, 14 inch, improved Mosher type;
(6) 100 desks, flat top, single pedestal
(7) 550 stools, maple, braced with 4 metal rods (a) 200 stools, 18 inch; (b) 100 stools, 24-in.; (c) 250 stools, 30 inch.;
(8) 100 teachers' tables;
(9) 100 typewriter tables;
(10) 1000 table tops, primary tables.

Gill-Mann Company	(1)	$5.70
	(2)	3.85
	(3)	3.89
L. & E. Emanuel	(8)	$8.75
	(9)	4.75
	(10)	2.95
J. A. Hart Mill & Lbr. Co.	(8)	$8.92
	(9)	4.59
	(10)	1.60
Rucker Fuller Co.	(1)	$4.91
	(2)	3.40
	(3)	.....
	(4)	8.85
	(5)	1.05
	(6)	22.90
	(7-a)	1.33
	(7-b)	1.57
	(7-c)	1.80
	(8)	26.75
	(9)	.....
	(10)	3.95
Braas & Kuhn	(6)	36.00
	(7)	.....
	(8)	8.65
	(9)	3.25
	(10)	1.14
M. Dohrmann	(1)	$4.94
	(2)	3.24
	(3)	.....
	(4)	.....
	(5)	1.05
	(6)	23.45
	(7-a)	1.30
	(7-b)	1.52
	(7-c)	1.73
	(8)	11.98
	(9)	5.375
	(10)	1.37
R. Brandlein	(1)	$6.90
	(2)	4.50
	(8)	7.95
	(9)	3.12
	(10)	1.20
Wm. Bateman	(8)	17.25
	(9)	9.26
	(10)	1.30
Munthe Equipment Co.	(1)	5.24
	(2)	3.39
	(3)	3.59
	(4)	10.56
	(5)	1.04
	(6)	23.80
	(7-a)	1.29
	(7-b)	1.53
	(7-c)	1.74
	(8)	8.58
	(9)	3.85
	(10)	1.08
J. W. Fricke & Co.	(1)	5.09
	(2)	3.28
	(3)	3.62
	(4)	
	(5)	1.04
	(6)	22.00
	(7-a)	1.30
	(7-b)	1.53
	(7-c)	1.75
	(8)	..
Fred E. Turner Co.	(1)	5.22
	(2)	2.97
	(5)	1.12
	(6)	.....
	(7-a)	1.40
	(7-b)	1.65
	(7-c)	1.88
	(8)	12.50
	(9)	5.50
	(10)	1.10
Herring & Nutting	(8)	10.50
	(9)	6.00
	(10)	1.60
Haas Wood & Ivory Works	(8)	12.75
	(9)	5.05
	(10)	1.07
Haywood Wakefield Co.	(1)	4.60
	(2)	3.25
	(3)	3.56
	(4)	8.80
	(5)	1.25
	(7-a)	1.45
	(7-b)	1.55
	(7-c)	2.00
Stephenson & Son	(6)	23.95
American Seating Co.	(1)	4.80
	(2)	3.18
	(3)	3.76
	(4)	8.80
	(5)	.97
	(6)	21.96
	(7-a)	1.25
	(7-b)	1.48
	(7-c)	1.69
	(8)	9.90
	(9)	3.96
	(10)	1.80
Remington Rand Co.	(1)	5.97
	(2)	3.68
	(3)	.....
	(4)	9.90
	(5)	1.22
	(6)	24.20
	(8)	10.80
	(9)	5.32
	(10)	.87
H. Schulte & Son	(8)	7.75
	(9)	2.85
	(10)	1.10
Royal Showcase Co.	(8)	6.00
	(9)	2.75
	(10)	1.15

Bids held under advisement.

CONTRACT AWARDED

RICHMOND, Contra Costa Co., Cal. —C. H. Brown, 220 S-12th St., Richmond, at $6980 awarded contract by Richmond Union High School Dist. for lathing and plastering the classroom section of the Roosevelt Junior High School.

Complete bids published July 10.

BIDS OPENED

TEHACHAPI, Kern Co., Cal.—Opperman & Kampe, 1327 Orange Drive, Bakersfield, at $38,681 submitted low bid to Tehachapi Valley Union High School District for the construction of an addition to the high school plant at Tehachapi. Work includes an addition of five classrooms, auditorium to seat 300, small community room, sanitary conveniences, etc. Estimated cost, $43,000. Edwin J. Symmes, Haberfelde Bldg., Bakersfield, architect.

Complete bids follow:

Opperman & Kampe	$38,681
Stroud Bros. & Seabrook	39,129
William & Greennaugh	39,376

Bids held under advisement.

Bids Wanted—To Close July 18, 2:30 P. M.

REPAIR SCHOOL Cost, $46,000

SAN FRANCISCO. Twelfth Ave. and Kirkham Street.

Repairs and reconstruction of Columbus School.

Owner—City and County of San Francisco.

Engineer—Jesse Rosenwald, 525 Market St., San Francisco.

Work involves:

UNIT A—The Westerly Building with reinforced concrete frame, three story structure.

(1) Demolition of all exterior brick walls and salvaging of all doors and windows;
(2) Rebuilding exterior walls of brick and backing with walls of cement gun concrete, reinforced with steel bars;
(3) Building transverse and longitudinal walls of cement gun concrete reinforced with steel bars;
(4) Horizontal struts and tension rods in the first and second floors and second story ceiling;
(5) Reinforcing the hollow tile interior partitions along-side stairs with cement gun concrete and replacing certain hollow tile partitions with metal lath and plaster;
(6) Bracing the roof construction;
(7) Reinforcing existing columns;
(8) Demolish sloping pavement to entrances and replace;
(9) Reinforcing brick entrance vestibule walls with cement gun concrete.

UNIT B—Easterly Building, structural steel frame, three-story structure.

(1) Fill in certain window and door openings of exterior walls with solid brick;
(2) Install steel reinforcing bars encased in cement gun concrete at leval of window sills;
(3) Build transverse and longitudinal walls of cement gun concrete reinforced with steel bars;
(4) Horizontal trusses, struts and tension rods at the leval of first and second story ceiling;
(5) Reinforcing hollow tile interior partitions alongside stairs with cement gun concrete;
(6) Remove gable ends of brick work and reconstruct and brace roof construction;
(7) Remove and lower top parapet balcony;
(8) Demolish entry to basement, and provide ramps to new entry;
(9) Provide horizontal beam of cement gun concrete and reinforcing steel circling perimeter at inside of brick work at top of wall;
(10) Reinforce brick entrance vestibule walls with cement gun concrete.

Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit of $25.00.

CONTRACTS AWARDED

MANTECA, San Joaquin Co., Cal.—J. F. Ecker, 17 W. Poplar St., Stockton, at $520 awarded contract for decorating work and Joe Dotson, Manteca at $1790 awarded contract for plastering by Calla School District for painting and decorating work, plastering and lathing for the one-story frame and brick veneer school building in Manteca for the Calla School District. Frank Mayo, 108 E. Miner St., Stockton, Architect.

SCHOOL Cost, $12,000

MARIPOSA, Mariposa Co., Cal.

One-story frame and stucco elementary school (3 classrooms).

Owner—Mariposa Elementary School District.

Architect—W. H. Weeks and Harold Weeks, 525 Market St., San Francisco.

CONTRACT AWARDED

SAN FRANCISCO. — Cramer Bros., 1325 Clement St., at $5,820 awarded contract by Department of Public Works for painting the Mission High School, 18th St. between Dolores and Church Streets.

CONTRACT AWARDED

SAN FRANCISCO.—M. Vukicevich, 666 Mission St., at $7,239 awarded contract by Department of Public Works for moving Visitacion Valley school, Visitacion Ave. and Schwerin St. and for constructing a new girl's toilet building.

Bonds Voted
REPAIR SCHOOL Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Bids will be asked shortly.

16—BANKS, STORES AND OFFICES

Sub-Bids Wanted
STORE Cost, $7500
SAN FRANCISCO. Bush St. between Mason and Taylor.
One-story Class C concrete store bldg. (75x80 ft.) wood floor joists, wood roof, etc.
Owner—Mr. Rice.
Architect—Martin Sheldon, Monadnock Building.
Contractor—G. P. W. Jensen, 320 Market Street.

Contract Awarded.
OFFICE BLDG. Cost, $1194
SAN FRANCISCO. No. 586 Howard Street.
Strengthening first and second floors of office building.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Engineer—Norman B. Green, 55 New Montgomery St., San Francisco.
Contractor—F. R. Siegrist, 604 Mission St., San Francisco.

Linoleum Contract Awarded.
REMODEL BUILDING Cont. Price, $87,632
OAKLAND, Alameda Co., Cal. 15th and Clay Streets.
Alterations and additions to Breuner Building (8-story, mazzanine floor and basement) and alterations and additions to Corder Building (4-story, mezzanine floor and basement).
Owner—Federal Land Bank (Willard D. Ellis, General Agent), 15th and Clay Sts., Oakland.
Architect — James Plachek, Berkeley Bank Bldg., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Linoleum — D. N. & E. Walter, 572 Mission St., San Francisco, $4981.
Other awards previously reported.

Contract Awarded
STORE Cost, $1,000
SAN FRANCISCO. 9 and 11 Clement Street.
Alterations to stores.
Owner—Richmond Masonic Temple Co. 9-11 Clement Street.
Engineers—Ellison & Russell, Pacific Building.
Contractor—J. S. Malloch, 666 Mission.

Contract Awarded.
ALTERATIONS Cost, $5000
SACRAMENTO, Sacramento Co., Cal. No. 227-231 I Street.
Alterations to building.
Owner—Capital Co., 625 Market St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Chas. Vanina, 2022 M St., Sacramento.

Electrical Contract Awarded.
ALTERATIONS Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 3420-22 E-14th Street.
Alterations to store building.
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Electric—Scott Buttner Electric Co., 23rd and Webster Sts., Oakland.
Other awards will be made shortly.

Sub-Contracts Awarded.
ADDITION Cost, $10,125
PALO ALTO, Santa Clara Co., Calif. Campus of Stanford University.
Two-story addition to building.
Owner—Alpha Phi Hall Assn., Inc., Palo Alto.
Architect—Gardner A. Dailey, 210 Post St., San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.
Plumbing—Christensen Anderson Co., Palo Alto.
Mill Work.—Pacific Mfg. Co., Santa Clara.
Other awards will be made shortly.

Contract Awarded.
OFFICE BLDG. Cost, $5125
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One-story frame and stucco doctor's office building (12 rooms) Pebco roof, 2 gas heating units, linoleum, mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Hertzka & Knowles, 982 Bryant St., San Francisco.
Contractor—Chas. W. Falk, 1520 E-38th St., Oakland.

Contract Awarded.
STORE Cost, $6500
SACRAMENTO, Sacramento Co., Cal. NE Ninth and S Streets.
One-story refreshment shop and Inn (common tile and cement construction, asbestos shingle roof, circulating heating system, lath and plaster exterior finish, special texture finish and knotty pine walls, plumbing and electrical work, etc.)
Owner — Mr. and Mrs. Joe Babich, Sacramento.
Architect—Frederick S. Harrison, 1005 10th St., Sacramento.
Contractor—J. M. Yoho, 3419 4th Ave., Sacramento.
Plumbing and electrical work will be let under a separate contract.

Contract Awarded
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Calif. 1900 Telegraph Avenue.
Alterations to store building.
Owner—National Shirt Shop, 1900 Telegraph Ave., Oakland.
Architect—Not Given.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco.

To Be Done By Day's Work
ALTERATIONS Cost, $5000
OAKLAND, Alameda Co., Calif. 201 Fourth Street.
Alterations to store.
Owner—Safeway Stores, Inc., Fourth and Jackson Sts., Oakland.
Plans by Engineering Dept. of Owner.

Bids Opened.
MARKET Cost, $8000
WATSONVILLE, Santa Cruz Co., Cal.
One-story frame and stucco drive-in market (25x150 feet) tile roof, concrete floors).
Owner—Rose Simmons.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Low Bidder—Friend & Resch, Watsonville.
Complete bids follow:
Friend & Resch, Watsonville.....$6247
P. H. Rosewall, Watsonville..... 6283
H. H. Larsen, San Francisco..... 6343
P. T. Wallstrum, Watsonville..... 6790
Bids held under advisement.

17— THEATRES

Contracts Awarded.
ALTER THEATRE Cost, $——
VALLEJO, Solano Co., Cal.
Alterations to theatre (work involves, plumbing, plastering, mill work, glass and glazing, tile work, ornamental iron, electrical work, etc.)
Owner—Fox West Coast Theatres.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Electric—Alta Electric Co., 467 O'Farrell St., San Francisco.

Contract Awarded.
THEATRE Cost, $50,000
PITTSBURG, Contra Costa Co., Cal.
One-story and balcony structural steel and reinforced concrete theatre (to seat 1000) composition roof, steam heating system, etc.
Owner—Withheld.
Architect—F. F. Amandes, 1879 16th Ave., San Francisco.
Contractor—Horace J. Siino, 710 Black Diamond St., Pittsburg.
Complete bids published June 16.

Additional Sub-Contracts Awarded.
ALTER THEATRE Cost, $25,000
PIEDMONT, Alameda Co., Cal. No. 4186 Piedmont Avenue.
Alterations and additions to present theatre building (new seats, decorating, painting, etc.)
Owner—E. L. Herbold.
Architect — A. A. Cantin, 557 Market St., San Francisco.
Lessee—Golden State Theatre Co., 25 Taylor St., San Francisco.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.
Sheet Metal—L. F. Witharm, 686 28th St., Oakland.
Structural Steel—Schrader Iron Wks., 1247 Harrison St., San Francisco.
Concrete Material—Rhodes & Kennedy, Inc., 101 4th St., Oakland.
Plastering and glass contracts will be awarded shortly.
As previously reported, Lumber awarded to E. K. Wood Lumber Co., Frederick and King Sts., Oakland; ornamental iron work to C. Frauneder, 335 8th St., Oakland; tile to Rigney Tile Co., 3012 Harrison St., Oakland; sash and doors to Western Door & Sash Co., 5th and Cypress Sts., Oakland; electric work to Matson Seabrooke Co., 4115 Broadway, Oakland; painting and decorating to Robert E. Powers Co., 34 Golden Gate Avenue, Oakland; heating to Aladdin Heating Corp., 1507 Broadway, Oakland.

Plans Being Figured—Bids Close July 18.
THEATRE Cost, $50,000
MODESTO, Stanislaus Co., Cal.
Two-story reinforced concrete theatre and store building (stadium type) to seat 900 people, two stores, wood roof trusses, cocposition roof pine and concrete floors, plate glass, tile toilets, ventilating system, marquise, tile and marble bulkheads, etc.
Owner—Redwood Theatres, 25 Taylor St., San Francisco.
Architect—S. Charles Lee, 2400 W. 7th St., Los Angeles.
Salih Bros., 25 Taylor St., San Francisco, are figuring the plans and desire sub-bids on all portions of the work.

PLANNED
AVENAL, Kings Co., Cal.—Patridge & Moore, owners of the Avenal open-air theater, last week announced plans for a new theater they propose building in Avenal, at a cost of $10,000. Work is scheduled to start in October

PREPARING PLANS
LOS ANGELES, Cal.—Architect C. A. Balch, 1914 S. Vermont St., is preparing plans for a park-in theater to be erected on Pico Blvd. near Fox studios, for a company now in process of organization. Improvements will include a stage 100 feet in length, a screen 37x50 feet, and a projection

room. An automatic parking area, 500 x 600 ft., will be provided, to be enclosed by a wood frame and plastered fence. 7

18—WHARVES & DOCKS

BIDS OPENED

SAN FRANCISCO.—Rolph Mills and Co., 525 Market Street, at $1,519 submitted low bid to State Board of Harbor Commissioners for furnishing and installing two steel rolling doors on Pier No. 42. Complete bids follow:

Rolph Mills & Co.	$1,519
Kawneer Mfg. Co.	1,537
D. A. Pancoast	1,700

Bids held under advisement. *

FUNDS ALLOTTED

SAUSALITO, Marin Co., Cal.—Public Works Administration has allotted $360,000 to the Golden Gate Yacht Harbor, Ltd. (Albert von der Werth, President) Sausalito. Funds are to finance construction of a new yacht harbor at Sausalito. Willis Polk Co. (Angus McSweenery) architect, 269 Pine St., San Francisco, will prepare the plans. Further details will be announced shortly.

Additional Prospective Bidders.

WHARF AND SHED. Cost, $725,000
STOCKTON, San Joaquin Co., Calif.
Port of Stockton.
Fireproof wharf (1740 feet in length) wood piling, transit shed in four continuous units to contain 180,000 sq. ft. of floor space; steel construction, built-up roof, etc.)

Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall.
Following are additional contractors who have procured plans. Bids open

PERMIT GRANTED

LOS ANGELES, Cal.—General Terminal Co. has been granted permit by the Los Angeles Harbor Department to replace fender system at Berths 238 and 239, Los Angeles Harbor. Estimated cost, $14,785.

CONTRACT AWARDED

SAN FRANCISCO — Rolph Mills & Co., 525 Market St., at $1519 awarded contract by State Board of Harbor Commissioners for furnishing and installing two steel rolling doors on Pier No. 42.

Complete bids published July 6.

WEDGE-NOTCH COLUMN CLAMPS
FOR
Rapidity, Economy and Efficiency
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STEELFORM CONTRACTING CO
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'Phone DOuglas 5583
LITTLE WONDER SCAFFOLDS
DOVETAIL ANCHOR SLOT
STEEL CONSTRUCTION TOWERS

July 17, 4 P. M. Other contractors reported July 2.

Franke Electric Co., 748 E. Weber St., Stockton.
Robert E. McKee, 108 E-Sixth St., Los Angeles.
Virginia Bridge & Iron Works, Roanoke, Virginia.
Minneapolis Moline Power & Imulement Co., 933 Chapman Bldg.
Rocca & Caletti, Box 243, San Rafael.
Rolph Mills & Co., 525 Market St., San Francisco.
Goldtn Gate Iron Works, 1541 Howard St., San Francisco.
Schuler & McDonald, 1723 Webster St., Oakland.
George M. Robinson, 389 Clementina St., San Francisco.
Geiger Iron Works, Scotts Ave. and Union St., Stockton.
M. J. Bevanda, Elks Bldg., Stockton.
Duncanson Harrelson, de Young Bldg., San Francisco.
Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

19—MISC. CONSTRUCTION

PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on August 15 for the re-erection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor. Spec. No. 7641.

General Const. Co., Central National Bldg., Richmond, Va.
Cedric W. Wood, 232 Delaware Ave., Buffalo, N. Y.
Buffalo Gasoline Motor Co., 1230 Niagara St., Buffalo, N. Y.
General Electric Co., Schnectady, New York.
Westinghouse Elec. Mfg. Co., Washington, D. C.
Mechanical Engr. Service, Washington, D. C.
Thos. J. Thompson, 12 N. 6th St., Philadelphia, Pa.
Victor R. Browning & Co., 1320 E. 222nd St., Cleveland, Ohio.
R. W. Kaltenbach Corp., Bedford, O.

BIDS WANTED

BONNEVILLE, Oregon—Until July 17, 10 A. M., (date previously reported as July 15) bids will be received by Bonneville dam engineer, Pittrock Block, Portland, for the construction and operation of a group of buildings at the Bonneville Dam. Group comprises motion picture theatre, general store, shoe repair shop, barber shop, etc. Plans prepared by Architect Hollis Johnston, Pittrock Block, Portland, Oregon.
(4814) 1st report July 5, 1934. * 19

20—MISC. SUPPLIES AND MATERIALS

LOW BIDDER

SAN DIEGO, Cal.—Penn Tile Works Co., Ampere, Pa., submitted low bid to Navy Department Bureau of Supplies and Accounts, June 29, at $1,684.68 for furnishing floor tile for San Diego and Puget Sound; Schedule 2732, C. & R., Lot 2285.

SAN FRANCISCO—Dallman Supply Co., 8th and R Streets, Sacramento, at $115.11 each, awarded contract by U. S. Forest Service for furnishing 11 wood and coal furnaces for the U. S. Forest Service.

BIDS OPENED

SAN FRANCISCO—K. Van Hacht, 110 Sutter St., at $855.05 submitted the low bid to U. S. Forest Service for furnishing 829 hand-made electric fixtures for various buildings for the U. S. Forest Service. Complete bids follow:

K. Van Hacht (total)		$ 855.05
	(1)	1.70
	(2)	.90
	(3)	.60
	(4)	3.00
	(5)	1.00
	(6)	.40
	(7)	.40
	(8)	.20
	(9)	1.25
W. J. Boyd Lighting Fixture Co., net (total)		$1,212.37
	(1)	2.09
	(2)	2.19
	(3)	1.05
	(4)	3.44
	(5)	.98
	(6)	.38
	(7)	.49
	(8)	.15
	(9)	2.62
Alfred J. Casella, 3% 10 days, (total)		$1,735.00
	(1)	2.64
	(2)	3.14
	(3)	1.52
	(4)	4.85
	(5)	1.31
	(6)	.86
	(7)	.86
	(8)	.44
	(9)	3.69

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO, Cal. — Dallman Supply Co., 8th and R Sts., Sacramento, at $115 each submitted low bid to U. S. Forest Service for furnishing 11 wood and coal furnaces for the U. S. Forest Service. Complete bids follow:

(1) To furnish 11 complete; (2) split prices:

Dallman Supply Co., Sacto.	(1)	$115.00
	(2)	115.00
Fox Furnace Co., S. F.	(1)	118.50
	(2)	125.00
Atlas Heating & Ventilating Co., San Francisco	(1)	120.00
	(2)	131.00
Mangrum Holbrook Co., San Francisco	1)	128.50
	(2)	131.00
North Bay Heating Co., San Anselmo	(1)	130.00
	(2)	135.00
Murray & Co., Oakland	(1)	205.00
	(2)	——

Bids held under advisement.

CONTRACTS AWARDED

SAN FRANCISCO—T. A. Brooks, Purchaser of Supplies, City Hall, has awarded contracts to (A) National Cast Iron Pipe Co.: (B) U. S. Pipe & Foundry Co., and (C) American Cast Iron Pipe Co., for furnishing cast iron bell and spigot pipe for the S. F. Water Department under Bid No. 1207. Amounts of bonds to be furnished by contractors are: (A) $52,000; (B) $143,058; () $35,490.

BIDS REJECTED

MARTINEZ, Contra Costa Co., Cal. —Martinez City Council rejected bids received for re-roofing the City Hall in Martinez. Following are the two

Master Craft Tile and Roof Co., Richmond	$489
Wade & Eaby, Martinez	498

BIDS OPENED

HUMBOLDT COUNTY—J. Starkenburg, Weott, at $2.13 per hour, operated, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Avenue, Eureka, July 6, for the rental on an hourly basis, operated, of three 3-yd. dump trucks for approximately 480 hours. The trucks are to be used in hauling gravel on the shoulders between Fernbridge and Ferndale, Humboldt County. Complete bids follow:

J. Starkenburg, Weott	$2.13
K. N. Dewar, Eureka	2.34
Sunset Decomposed Granite Co., Los Angeles	2.35
Wm. Kern, Weott	2.43
Larsen & Burnside, Glendale	2.47
Daniel Gallagher, T. M. & R. Co., San Francisco	2.50
M. E. Beckstrom, Trinadad	2.65

All bids held under advisement. 20 low bids:

BIDS OPENED

SACRAMENTO, Cal.—Identical bids at $2.77 per bbl. in paper sacks, delivery at Folsom; $2.61 per bbl. in paper sacks, delivery at San Quentin, and $0.20 per bbl. extra in cloth sacks, were submitted by the following firms to the State Purchasing Agent, Sacramento, for furnishing cement for San Quentin and Folsom Prisons for the fiscal year:

Calaveras Cement Co.; Henry Cowell Lime & Cement Co.; Santa Cruz Portland Cement Co.; Monolith Portland Cement Co., Monolith; Pacific Portland Cement Co., and Yosemite Portland Cement Corp. All bidders of San Francisco unless otherwise noted.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

LOS ANGELES—ELECTRIC SERVICES—(CITY)

LOS ANGELES, Cal.—The following bids were received by D. F. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 740, 207 South Broadway, for furnishing installation services for electric ranges and water heaters during a period of approximately six months beginning with date of contract and ending Dec. 31, 1934, under Spec. No. 1447.

The items were:

(I) Los Angeles District

(A) wiring, etc., for an electric range where the total lighting and range load under the City Wiring ordinance requires a 60-ampere service switch;

(B) wiring, etc., for an electric range where the total lighting and range load requires a 100 ampere service switch;

(C) wiring, etc., for an electric range and water heater requiring a 60-ampere service switch and a 30-ampere sub-meter switch for water heater;

(D) wiring, etc., for an electric range water heater requiring a 100-ampere service switch and a 30-ampere sub-meter switch for water heater;

(E) wiring, etc., for 30-ampere water heater circuit requiring no change in the capacity of service wires or switch;

(F) wiring, etc., for a 60-ampere water heater circuit requiring no change in the capacity of service wires or switch;

(G) wiring, etc., for a 30-ampere water heater circuit together with increasing the capacity of the service wires and switch from 30 amperes to 60 amperes;

(H) wiring, etc., for a 60-ampere water heater circuit together with increasing the capacity of the service wires and switch from 60 amperes to 100 amperes.

(II) San Fernando District. Same Requirements as under Item (I)

(III) Harbor District. Same Requirements as Under Items (I) and (II)

(IV) for conduit runs in excess of 50 feet:
- (a) for 60 amp. installations, per lin. ft.;
- (b) for 100 amp. installations, per lin. ft.;

(V) for conduit runs in excess of 30 ft.
- (a) for 30 amp. installations, per lin. ft.
- (b) 60 amp. installations, per lin. ft.

The bidders were:
(1) H. O. Bauerle.
(2) Frans & Payne.
(3) Otto K. Olesen Co.
(4) Quality Electric Company.
(5) Stone Electric Supply Co.
(6) Port Electric Company.
(7) Vancott Company.

The unit bids were:

SECTION NO. 1

	(1A)	(1B)	(1C)	(1D)	(1E)	(1F)	(1G)
(1)	$40.00	$47.95	$46.50	$54.50	$12.50	$15.50	$31.50
(2)	48.15	57.45	53.20	68.50	14.05	22.66	29.05
(3)	44.59	63.00	55.99	74.40	11.60	21.04	34.33
(4)	42.35	56.03	49.65	63.42	13.08	17.70	39.36
(5)	33.29	51.16	37.50	61.63	15.70	17.60	28.20
(6)	34.50	44.75	40.50	50.75	7.00	15.00	23.00
(7)	35.95	47.80	48.30	60.15	13.05	27.55	36.55

	(1H)	(2A)	(2B)	(2C)	(2D)	(2E)	2F)	(2G)
(1)	$38.50	$42.00	$49.95	$48.50	55.50	13.75	16.75	$32.75
(2)	49.30	50.55	59.85	61.60	70.90	16.15	25.06	31.45
(3)	47.57	46.59	65.00	57.99	76.40	13.60	23.04	36.33
(4)	58.36	44.85	58.53	62.15	65.92	15.58	20.20	41.86
(5)	46.25	.....	.....	.....	.....	.....	.....	.....
(6)	39.00	34.50	44.75	40.50	50.75	7.00	15.00	23.00
(7)	65.45	36.95	48.80	49.30	61.15	14.05	28.55	37.55

SECTION NO. 2

	(2H)	(3A)	(3B)	(3C)	(3D)	(8E)	(3F)	(3G)	(3H)	(4a)	(4b)	(5a)	(5b)
(1)	$39.75	$42.00	$50.50	$49.50	$56.00	$14.25	$17.50	$33.50	$40.50	$.22	$.32	$.18	$.22
(2)	51.70	52.55	61.85	63.60	72.90	18.45	27.06	33.45	53.20	.40	.54	.22	.36
(3)	49.51	47.59	66.00	58.99	77.40	14.60	24.04	37.33	50.51	.40	.54	.25	.40
(4)	60.86	44.85	58.53	52.15	65.92	15.58	20.20	41.86	60.86	.47	.60	.23	.47
(5)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.40	.50	.25	.35
(6)	39.00	34.50	44.75	40.50	50.75	7.00	15.00	23.00	39.00	.30	.36	.14	.30
(7)	66.45	36.95	48.80	49.30	61.15	14.05	28.55	37.55	66.45	.60	.80	.25	.40

Terms are as follows:
H. O. Bauerle, 1%, 20 days.
Frans & Payne, 2%, 30 days.
Otto K. Olesen Co., net.
Quality Electric Co., net.
Stone Elect. Supply Co., 2% ,30 days
Port Electric Co., net .
Van Cott Co., net.

New Amsterdam Casualty Company

COMPENSATION GENERAL LIABILITY PLATE GLASS
ACCIDENT AND HEALTH FIDELITY AND SURETY
BURGLARY AUTOMOBILE INSURANCE

Branch Office Pacific Coast Department

Walter W. Derr, Resident Vice-President and Manager
Montgomery Street San Francisco

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other Public agencies.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until July 17 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Order No. 6526/Stkn., for furnishing one new outboard motor, of no less than nine brake h.p. at 4,000-rpm, fully equipped.

Delivery fob U. S. Engineers, Stockton.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until July 17, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Order No. 6542/WMC, for the sale of one used Johnson Sea Horse A-35 outboard motor.

The motor may be inspected at the U. S. Engineer Office, Room 219, Post Office Bldg., Stockton.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies, materials and equipment, as follows:

PUMPS, fuel oil; Sch. 2739. Bids postponed from July 3 to July 17.
BRACES, ratchet, and breast drills; East and West Yards. Sch. 2841; July 20.
RULES, and tapes; East and West Yards. Sch. 2842; July 20.
SCREWDRIVERS; East and West Yards. Sch. 2843; July 20.
TORCHES, gasoline; East and West Yards. Sch. 2844; July 20.
TWINE, cotton and jute; East and West Yards. Sch. 2845; July 20.
PIPE, iron and steel, steel tubing and tubes; East and West Yards. Sch 2840; July 20.
HOSE, fire, 7500 ft.; Puget Sound. Sch. 2857; July 20.
CALIPERS, dividers, gauges, planes and squares; East and West Yards Sch. 2847; July 20.
TREADS, aluminum alloy ladder; East and West Yards. Sch. 2859; July 24.
ANGLES, corosion-resistig steel, and sheets; Mare Island. Sch. 2860; July 24.
CLAMPS and punches; East and West Yards. Sch. 2861; July 24.
COPPER and shect and strip brass; Mare Island. Sch. 2866; July 24.
ALLOY, copper-nickel, strip, 1775 lbs. Mare Island. Sch. 2867; July 24.
TUBING, seamless steel; East and West Yards. Sch. 2868; July 17.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until July 16, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1056, for furnishing 2 hydraulic oil pumps for installation in 1933 Model "50" Caterpillar.

Delivery f.o.b. bidder's shipping point, and/or f.o.b. Government Island.

Specifications obtainable from above office.

AGRICULTURAL DEPT.

SEATTLE, Wash. — Until July 17, bids will be received by Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for one automatic electric refrigerating unit. Proposal No. 7278.

BUTTE COUNTY

CHICO, Cal.—Until July 21, 5 P. M., bids will be received by the Chico Board of Education, Chico, for furnishing one 56-passenger bus for grammar school students.

Specifications obtainable from E. L. Cummings, Superintendent of Schools, Chico High School.

All bids to include trade-in on a 1926 Chevrolet 1-ton chassis, with 1924 body of seating capacity of 18.

OAKLAND CITY

OAKLAND, Cal.—Until July 24, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education, for furnishing paints, oils, varnishes, painting materials, shade cloth, roofing materials and glass under Schedule No. 12 and for radio equipment and supplies under Schedule No. 11. Specifications are on file in the office of the Director of Purchasing Room 115, Administration Bldg., Oakland.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until July 18, 5:30 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing 2700 tons of fine concrete aggregate and 6500 tons of coarse concrete aggregate.

Proposal No. 549 obtainable at Room 21 of the office of the District.

NAPA COUNTY

NAPA COUNTY, Cal.—Until July 16, 10 A. M., bids will be received by the Napa County Board of Supervisors, James A. Daly, Clerk, Napa, for the sale of the following used road equipment:

(1) 1 Austin Western Grader.
(2) 3 3-ton International Trucks.
(3) 1 Ford Pick-up.
(4) 1 30-hp. Caterpillar Tractor.

The above equipment may be examined at the County Warehouse, Napa.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until July 16, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing rubber and cotton hose for the various city departments. Bid No. 1235.

Specifications obtainable from above office.

SAN FRANCISCO—Until July 23, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing three 30" and three 36" gate valves.

Specifications obtainable from above office.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until July 24, 3 P. M., bids will be received by R. H. Stalnaker, Equipment Engineer, Department of Public Works, Division of Highways Yards, 1805 34th St., Sacramento, for the sale of the following equipment:

CHC 48 Compressor unit, Ingersoll-Rand Air 7-in. by 6-in. type 20, 160 cu. ft., mounted on:
CHC 2401 Truck, Graham, Model T. C. R. 2-ton pneumatic tire chassis.
CHC 102 Drill for rock, Cochise Jackhammer type;
CHC 148 Drill for rock, Chicago Jackhammer type.
CHC 189 Drill for rock, Cochise Jackhammer type.
CHC 469 Tractor, Caterpillar.
CHC 55 Snow Plow, Rightway Rotary with V plow.
CHC 68 Snow Plow, Rightway Rotary with V plow.
One 8-cylinder engine, incomplete, for 1932 Nash 9-90 Automobile.
Miscellaneous obsolete garage hand tools, also part for motor vehicles.
One Type "K' Fees System Burner with motor base and starter switch.
Four only steel furnace doors.

All the above equipment may be inspected at above address from 8 A. M. to 4 P. M., on any working day.

MADERA COUNTY

MADERA, Madera Co., Cal.—Until August 7, 10 A. M., bids will be received by the Madera County Board of Supervisors for one new ambulance fob Madera. Bids to include trade-in of one used Hudson ambulance(county hospital).

Specifications obtainable from L. W. Cooper, county clerk.

CANAL ZONE

PANAMA CANAL ZONE. — Until July 28, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Agent, the Panama Canal, Washington, D. C., under Schedule No. 2977, for furnishing miscellaneous supplies and equipment, including cable, insulated wire, magnet wire, flexible cord, steel conduit, watt-hour meters, transformers, panel boards, switches, fuses, street lighting globes, safety hand lamps, lighting fixtures ,terminal tubes, phenolic, insulation, elec. drills, cable clips, pumps, chain shackles, wire cloth, poultry netting, life preservers, oars, tumblers, rubber boots, automobile top fabric, toweling, cotton sheeting, cheese cloth, canvas, tennis nets, billiard cloths, asphalt emulsion, and zinc oxide in oil.

Plans and specifications obtainable from the above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

OAKLAND CITY

OAKLAND, Cal.—Until July 19, 9 P. M., bids will be received by the Oakland City Council for furnishing 5000 gallons of Ethyl gasoline for the City of Oakland.

ENGINEERING NEWS

21— BRIDGES

BIDS WANTED

YUBA COUNTY, Cal.—Until July 17 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville Hotel, Marysville, for constructing 7 timber sheet piling cofferdams approximately 40 feet long and 7 feet wide, backfilling with gravel, and capping with Portland cement concrete; on Piers No. 3 to 9, inclusive, on the north end of the D Street bridge across the Yuba river in Marysville.

The work involves:

(1) 53 MFBM treated Douglas fir select structural grade sheet piling;
(2) 693 each, driving treated Douglas fir sheet piles;
(3) 7 MFBM treated Douglas fir timber select structural grade;
(4) 5 MFBM untreated Douglas do;
(5) 250 c.y. gravel backfill;
(6) 2,500 lbs. hardware;

from the above office, and on file at the office of the Daily Pacific Builder.

(7) 20 c.y. Class A Portland cement concrete.

CONTRACT AWARDED

JACKSON COUNTY, Ore.—Hoffman Const. Co., 715 S. W. Columbia, Portland, at $39,692 awarded contract by the Oregon State Highway Commission, Portland, for the construction of 350 l.f. of grading and paving and the construction of concrete abutments for an overcrossing structure on the Ashland undercrossing section of Pacific Highway, Natioal Recovery Project NRH 157-B, in Jackson county.

Complete bids follow:

Hoffman Const. Co., Portland	$39,692.00
Joplin & Eldon, Portland	39,948.00
C. J. Montag, Portland	40,737.30
Mountain States Const. Co., Eugene	41,218.00
O. N. Pierce & M. L. O'Neil & Son, Portland	41,938.50
G. I. Stebbins Const. Co., Klamath Falls	42,674.00
The United Contr. Co., Portland	42,934.60

FUNDS ALLOTTED

SUTTER COUNTY, Cal.—The PWA has allotted approximately $30,000 to Sutter county to finance construction of a bridge over Tisdale Weir.

The county will construct the approaches. 21

BIDS WANTED

YUBA COUNTY, Cal.—Until July 20, 10 A. M., bids will be received by County Clerk W. M. Strief, Hall of Records, Marysville, for the construction of two reinforced concrete bridges, as follows:

(1) A reinforced concrete bridge over creek near the Whiteside Home, Road District No. 1;
(2) A reinforced concrete bridge across creek about ½ mi. westery from Iowa City in Rd. Dist. No. 2.

Plans and specifications obtainable from the County Clerk upon payment of $1, not returnable.

CONTRACT AWARDED

SAN JOAQUIN & SACRAMENTO COUNTIES, Cal.—Carl Nelson, 1421 E. Channel St., Stockton, at $6000 (Proposal 2) awarded contract by the Sacramento and San Joaquin County Boards of Supervisors for redecking a bridge on Elliott Road over Dry Creek, on the County Line between Sacramento and San Joaquin Counties, about 6 miles north of Lockford about 7 miles east of Galt.

Complete bids follow:

(1) Pine timber deck.
(2) Laminated Redwood timber deck.

Carl Nelson, Stockton, (1) $4400; (2) $6000.
C. H. Dodd, Stockton, (1) $4982; (2) $6857.
T. Jensen, Stockton, (1) $5334.06; (2) $6934.
F. H. Neilson, Orland, (1) $5102.21; (2) $7138.72.
M. J. Bevanda, Stockton, (1) $5688; (2) $7288.
Campbell Constr. Co., Sacramento, (1) $6500; (2) $8684.
F. O. Bohnett, Campbell, (1) $5115.07 (2) $6606.22.

SUB-CONTRACTS AWARDED

ALAMEDA COUNTY, Cal.—Subcontracts on portions of the Broadway Low-Level Tunnel have been awarded by Six Companies of California, Inc., as follows:

Exterior Concrete Structures—N. M. Ball, 1889 Yosemite Ave., Berkeley
Exterior Excavation—H. W. McKinley, 1326 N. Central Ave., Glendale
Temporary Buildings—W. E. Lyons Constr. Co., 357 Hobart St., Oakland.
Portal Buildings—K. E. Parker Co., 135 South Park, San Francisco.

Electrical and mechanical work to Alta Electric & Mechanical Co., Inc., 467 O'Farrell St., San Francisco, as previously reported.

BIDS WANTED

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the construction of the timber trestles for the Bay Crossing Pipe Line No. 2, in Alameda and San Mateo counties, under Spec. W. D. 52. Federal Works Project 1510.

Under the proposed contract, timber trestles are to be constructed to support sections of the Bay crossing Pipe Line No. 2, a 66-in. diameter steel pipe line, being constructed by the San Francisco Water Department from the Irvington Portal of the Hetch Hetchy Aqueduct near Irvington, Alameda county, to the Pulgas Tunnel, about three miles west of Redwood city, in San Mateo county. The pipe line crosses the southerly arm of San Francisco Bay at Dumbarton Strait, just north of the Dumbarton Bridge of the S. P. railroad. The trestles are to be constructed over the marsh lands bordering the bay. The total length of the trestles to be constructed will be approximately 19,300 feet, divided into three sections as follows:

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Town of Newark to east shore of Newark slough, 9,000 ft.

West shore of Newark slough to east shore of San Francisco Bay 7,600 ft.

West shore of San Francisco, Bay to Bay-Pulgas pumping plant, 2,700 ft.

The work involves:

(1) 115,000 l.f. furnishing untreated piling;
(2) 47,000 l.f. furnishing creosoted piling;
(3) 2,600 piles (driving);
(4) 25 piles (pulling);
(5) 400 c.y. excavation;
(6) 690 MFBM redwood lumber, in place;
(7) 60 MFBM, extra price for surfacing lumber;
(8) 49,000 lbs. galv. bolts and nuts;
(9) 16,000 lbs. galv. drift bolts;
(10) 22,000 lbs. cast iron washers;
(11) 33,000 lbs. galv. misc. steel;
(12) 560 c.y. concrete;
(13) 10 bbls. extra cement;
(14) 18,500 lbs. reinf. steel, in place.

Plans and specifications obtainable from the San Francisco Water Department, Room 605, 425 Mason St., upon deposit of $20. N. A. Eckart, chief engineer.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SAND ISLAND, Oregon. — Parker-Schram Co., 513 Couch Bldg., Portland, at $23,160 submitted low bid to the U. S. Engineer Office, Customhouse, Portland, July 3 for furnishing and placing 12,000 c.y. of stone along pile dike No. 110-0, and two spurs at easterly end of same ,located on the east end of Sand Island, Columbia river, about ten miles below Astoria.

Complete bids follow:

Parker-Schram, Portland	$23,160
Tidepoint Co., Astoria	25,440
Kern & Kibbe, Portland	26,760
Kuckenberg-Wittman Co., Portland	31,200
Engineer's estimate	29,640

Bids held under advisement.

July 7, 1934

CONTEMPLATED

VENTURA, Cal.—The General Petroluem Corp., has announced that work will start shortly on the construction of a 600-ft. steel pier as an extension to the existing pier on the Rincon at the Seacliff oil field. Estimated cost, $75,000.

BIDS OPENED

YUBA COUNTY, Cal.—Swinyer Construction Co., 219 Serra Madre Ave., Pasadena, at $0.1225, total $45,447.50 submitted low bid to the U. S. Engineer Office, 208 Post Office Building, Sacramento, Capt. J. G. Drinkwater, District Engineer, for the construction of a levee approximately 9.6 miles in length on the north side of Simmerly Slough from the W. P. R. R. to the S. P. R. R., and along the southside of the S. P. R. R. from Simmerly Slough to the east bank of the Feather river, and along the east bank of the Feather river from the S. P. R. R. to a point about eight miles northerly therefrom.

The work involves approximately 371,000 c.y. of embankment in place in levee.

Complete bids follow:

Swinyer Const. Co., Pasadena, (per c.y.) $0.1225; (total) $45,447.50.
Haas, Doughty & Jones, San Francisco, $.15; $55,650.00.
A. J. Callahan & Kuhn Brothers,

Manhattan Beach, $.175; $64,925.00.
Hemstreet & Bell, Marysville, $.1775 $65,852.50.
Biasotti, Willard & Biasotti, Stockton, $.21; $77,910.00.
Geo. Pollock Co., Sacramento, $.287; $84,217.00.
Ralph A. Bell, Los Angeles, $.253; $93,863.00.
R. E. Campbell, Los Angeles, $.265; $98,315.00.
Engineer's estimate, $.183.
All bids held under advisement.

CONTEMPLATED

SAN DIEGO, Calif. — Joe Brennan, Port Director, has announced that the Board of Harbor Commissioners has worked out a plan for the development of an outer harbor area in Coronado Roads, reclaiming 6,000 acres of land, and other improvements in a $27,300,000 harbor development project. The projects listed are:

Widen main ship channel off North Island; federal project, to start as soon as funds are available, adding 585 acres to North Island and removing 14,830,000 yards of material from the harbor, at a cost of $1,800,000.

Widen ship channel north of Pier 1; 6,918,000 yds.

Widen main entrance channel to 1,500 ft.; 780,000 yds.

Create 1500 ft. channel along south bay front and reclaim 213 acres; 7,958,000 yds.; make space available for 12 new piers.

Deepen a 500 ft. channel to Chula Vista, reclaiming 522 acres and making space for 18 piers; 10,759,000 yds.

Deepen Roseville yacht basin, removing 4,542,000 yds. and reclaiming a 93 acre island and 180 acres along shore; deepen Glorietta bay and create a 200 ft. entrance channel, reclaiming 198.5 acres.

Deepen anchorage basin south of ferry lanes; 17,100,000 yds.

Deepen middle ground channel off Ballast point, reclaiming 15 acres; 600,000 yds.

Deepen North Island seaplane basin by dredging Spanish light north of bridge and filling south of bridge, reclaiming 177 acres; 2,830,000 yds.

Restore entrance jetty by rock fill of 80,000 tons.

Deepen anchorage basin off destroyer base; 15,551,000 yds.

Deepen anchorage basin adjacent to Coronado strand, reclaiming 40 acres along Glorietta bay and 707.5 acres on the bay side of the strand; 19,386,000 yards.

Deepen a 1200 ft. channel to National City and Chula Vista; 12,717,000 yds.

Deepen anchorage basin opposite National City, 13,206,000 yds.

Deepen seaplane basin at Lindbergh Field, reclaiming 31 acres between airport and marine base, and 331 acres off airport; 4,000,000 yds.

Deepen additional anchorage off center of Coronado strand, reclaiming land on bay side; 25,375,400 yds.

Deepen full width basin off Chula Vista, reclaiming 1637.4 acres in vicinity of strand and Chula Vista; 23,375,400 yds.

APPLICATION FILED

AVALON, Calif. — Application has been made by the Santa Catalina Island Company for War Department permit to construct two stone jetties, one to extend 85 ft. from the shore, near the St. Catherine Hotel, into San Pedro Channel and the other to extend 100 ft. from the shore west of the bath house into Avalon Bay.

Drawings showing the location and plan of the proposed jetties may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until July 16, 11 A. M., or at the office of the Santa Catalina Island Co., Santa Catalina Island.

Major H. H. Stickney, District Engineer.

23—IRRIGATION PROJ.

CONTRACT AWARDED

RENO, Nevada—Dodge Bros. Construction Co., Fallon, Nevada, and Jack Latourette, Sacramento, at $64,850 awarded contract by the Nevada Emergency Relief Administration for pumping 36,000 acre ft. of water from Lake Tahoe in to the Truckee River as an emergency drought relief measure for Nevada irrigation interests.

Byron-Jackson Co., Berkeley, at $78,100 submitted the only other bid.

The contract calls for installation of pumps, construction of a flume or cofferdam, maintenance and operation expenses and removal of all equipment when pumping is completed. Pumping operations are to be under way by July 13.

FUNDS ALLOTTED

MODESTO, Cal.—Modesto Irrigation District has been allotted $225,000 by the PWA for improvements. The district plans to use $165,000 in concrete lining of canals and installation of new structures in the main canal. Construction of a second circuit on the transmission line between Don Pedro Power house and Station A in Modesto is estimated at $60,000.

The PWA allotment is a loan and grant. An election in the district will be necessary to authorize security for the loan.

B. W. Creim, electrical engineer and Neil M. Cecil, irrigation engineer.

APPLICATIONS FILED

SACRAMENTO, Cal. — Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources during June, 1934.

7962 (Inyo County) Mirtie A. Moore, % H. E., Woodson, 925 Breed St., Los Angeles, Calif., for 1 c. f. s. from Crystal Springs tributary to drain wash drainage area. To be diverted for mining purposes.

7963 (Inyo County) Mirtie A. Moore, Los Angeles, Calif., for 1 c. f. s. from Chappo Springs tributary to Darwin Wash Drainage Area. To be diverted for mining purposes.

7964 (Inyo County), Mirtie A. Moore, Los Angeles, Calif., for 1 c. f. s. from Mill Canyon Springs tributary to Darwin Wash Drainage Area. To be diverted for mining purposes.

7965 (Inyo County) Asa R. Moore, % H. E. Woodson, 925 Breed St., Los Angeles, Calif., for 1 c. f. s. from Wild Horse Springs Tributary to Indian Wells Valley Drainage Area. To be diverted for mining and domestic purposes.

7966 (Nevada County) F. Huntington Clark, 912 J St., Sacramento, Calif., for 25 c. f. s. from South Fork Yuba River Tributary to Yuba River. To be diverted for mining and domestic purposes. Estimated cost, $8000

7967 (Nevada County) F. Huntington Clark, Sacramento, Calif., for 25 c. f. s from South Fork Yuba River and Diamond Creek Tributary to Yuba River. To be diverted for power and domestic purposes. 1140 T. H. P. to be developed.

7968 (Plumas County) Schist Lode Mine, % Chester C. Roberts, Suisun, Calif., from an unnamed stream and a spring tributary to Willow Creek thence Middle Fork Feather River. To be diverted for mining and domestic purposes.

7969 (Lake County) E. Bruce MacDonald, Stubbs, Calif., for 0.01 c. f. s. from a spring tributary to Clear Lake Watershed. To be diverted for domestic purposes.

7970 (Trinity County) Berthe Perigot, Blue Lake, Calif., for 25 c.f.s. from Quimby and Sharber Creeks tributary to Trinity River. To be diverted for mining purposes.

7971 (Inyo County) Dallas D. Corum 5972 Chula Vista Way, Hollywood, Calif., for 0.04 c.f.s. from Flint Spring tributary to Tuber Canyon. To be diverted from mining and domestic purposes. Est. cost, $1000.

7972 (Trinity County) Albert C. Norton, Calvin H. Barkdull and Cecil M. Clary, 188 Tamalpais Road, Berkeley, Cal., for 150 c.f.s. from Stuarta Fork, Deep Creek and Rush Creek tributary to Trinity River. To be diverted for mining purposes.

7973 (Inyo County) Sierra Talc Co., 428 Union League Bldg., Los Angeles, Calif., for 1.0 c.f.s. from 2 unnamed springs tributary to Acme Wash. To be diverted for mining and domestic purposes. Est. cost, $20.

7974 (Shasta County) Division of Fish and Game, San Francisco, Calif., for 20 c.f.s. from East Fork Fishing Creek tributary to Pit River. To be diverted for fish culture and domestic purposes. Est. cost, $3500.

7975 (Shasta County)H. C. Crofoot, Igo, Calif., for 65 c.f.s. from Boulder, Brandy, Lower Boulder and Kanaka Creeks, tributary to Sacramento River To be diverted for mining and domestic purposes.

7976 (Inyo County) Joseph B. Roberts, Anaheim, Calif., for 0.05 c.f.s. from Goler Canyon tributary to Panamint Valley. To be diverted for mining purposes. Est. cost, $350.

7977 (Siskiyou County) Ralph J. Lelia M. Fenili, Walker, Calif., for 0.55 c.f.s. from McKinney Creek and Water Gulch tributary to Klamath River. To be diverted for irrigation and domestic purposes. Est. cost, $200.

7978 (Plumas County) W. B. Stout, Rich., Cal., for 0.025 c.f.s. from Indian Creek tributary to North Fork Feather River. To be diverted for domestic purposes. Est. cost $150.

7979 (Sutter County) Aileen B. Armstrong, et al, % J. W. Browning, Attorney, Gridley, Calif., for 5 c.f.s. from Butte Slough tributary to Sacramento River. To be diverted for irrigation purposes on 362 acres. Estimated cost, $5000.

7980 (Amador County) S. D. S. Mining Co., 319 Matson Bldg., San Francisco, Calif., for 3 c.f.s. from Slaughter House Gulch and tributaries tributary to Mokelumne River. To be diverted for mining and domestic purposes. Estimated cost, $300.

7981 (Plumas County) Frank W. Ingram, Reno, Nevada, for 3 c.f.s. from Fells Creek and Spring tributary to Middle Fork Feather River. To be Diverted for mining and domestic purposes. Estimated cost, $500.

7982 (Placer County) Joseph H. Stephens, Sacramento, Calif., 115 C.f.s. and 16,000 acre feet per annum from Monumental Creek and 9 other sources. Tributary to North Fork of North Fork of American River. To be diverted for mining purposes.

7983 (El Dorado County) Schuyler F. Seager, Pasadena, Calif., for 2.5 c. f.s. from Steeley Fork tributary to Cosumnes River. To be diverted for mining and domestic purposes. Est. cost $2500.

7984 (Humboldt County) Irigold Corporation, Salyer, Calif., for 50 c.f.s. from Mahela Creek tributary to South Fork Trinity River. To be diverted for mining purposes. Estimated cost, $5000.

7985 (Siskiyou County) Robert D. Nicol and Louis F. Falkenstein, 1733 Jefferson St., Oakland, Calif., for 112 c.f.s. from Canyon, Kelsey and Tompkins Creeks, tributary to Scott River. To be diverted for mining purposes. Estimated cost $75,000.

7986 (Sierra County) John Ulin, Downieville, Calif., for 3 c.f.s. from

Butcher Ranch Creek tributary to East Fork of North Fork of North Yuba River. To be diverted for mining and domestic purposes. Estimated cost, $15,000.

7987 (Sutter County) Sacramento and San Joaquin Drainage District, % A. M. Barton, Sacramento, Calif., for 0.5 c.f.s. from Wadsworth Canal, tributary to Sutter By-Pass. To be diverted for irrigation purposes on 17 acres.

7988 (Sutter County) Sacramento and San Joaquin Drainage District, Sacramento, Calif., for 37.5 c.f.s. from Wadsworth Canal and East and West Borrow Pits of Sutter By-Pass, tribuverted for irrigation purposes on 1500 tary to Sacramento River. To be diacres.

7989 (Sutter County) Sacramento and San Joaquin Drainage District, Sacramento, Calif., for 27 c.f.s. from East and West Borrow Pits of Sutter By-Pass Tributary to Sacramento River. To be diverted for irrigation purposes on 1090 acres.

7990 (Del Norte County) W. D. Hill, F. A. Davis and A. E. McGlashan, 5017 S. Western Ave., Los Angeles, Calif., for 50 c.f.s. from Jones Creek tributary to South Fork Smith River. To be diverted for mining purposes.

7991 (Siskiyou County) R. R. Young and Geo. Bailey, Hamburg, Calif., for 0.05 c.f.s. from Macks Creek tributary to Klamath River. To be diverted for domestic purposes. Est. cost, $250.

7992 (Siskiyou County) U. S. Shasta National Forest, Mount Shasta, Calif., for 10 c. f.s. from Tate Creek tributary to McCloud River. To be diverted for fish culture purposes. Estimated cost $2000.

7993 (Siskiyou County) Guy Ford, Sawyers Bar, Calif., for 2.5 c.f.s. from East Fork Whites Gulch tributary to North Fork Salmon River. To be diverted for mining and domestic purposes.

7994 (Placer County) T. H. Rosenberger, Forest Hill, Calif., for 10 c.f.s. from Black Canyon Creek tributary to Middle Fork American River. To be diverted for mining purposes. Est. cost $81,000.

7995 (Santa Clara County) American Trust Co., 464 California St., San Francisco, Calif., for 2 c.f.s. from Colero Creek tributary to Almaden Creek. To be diverted for irrigation purposes on 77 acres. Est. cost, $800.

7996 (Trinity County) W. C. Coons, 20903 Lower Center St., Hayward, Calif., for 0.4 c.f.s. from Browns Creek tributary to Trinity River. To be diverted for irrigation and domestic purposes on 25 acres.

7997 (Sutter County) Ela Backmer Feser, Meridian, Calif., for 0.3 c.f.s. from Sacramento River tributary to Suisun Bay. To be diverted for irrigation purposes on 18 acres. Est. cost $1200.

7998 (San Diego County) Billie Eichenaub and Harry A. Boegeman, 2746 Copey Ave., San Diego, Calif., for 0.4 c.f.s. from Springs aong unnamed creek tributary to Wison Creek. To be diverted for irrigation and domestic purposes on 8 acres. Est. cost, $300

7999 (Trinity County) A. C. McMian, Trustee for Trinity Exporation Co., % John C. Fales, Weaverville, Calif., for 85 c.f.s. from Cold Creek, Deer Creek and Bear Gulch, Browns reek and Robbers Roost Gulch tributary to Trinity River. To be diverted for mining purposes. Estimated cost $25,000.

8000 (Amador County) Raymond Silva, 2226 32nd Street, Sacramento, Calif., for 270,000 acre feet per annum from Cosumnes River tributary to Mokelumne River. To be diverted for power purposes.

8001 (Amador County) Raymond Silva, Sacramento, Calif., for 270,000 acre feet per annum from Cosumnes River tributary to Mokelumne River. To be diverted for municipal purposes.

PERMITS ISSUED

SACRAMENTO, Cal. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of June, 1934:

Permit 4337, Application 7798 (Humboldt Co.) issued to M. J., Joseph J., M. F. and Thomas E. Leavey, Arcata, for 2.0 cu. ft. per second from Mad Riv r, for domestic purposes and irrigation of 60 acres. Est. cost, $300.

4338, App. 7633 (El Dorado County) issued to R. J. Morrison, Sacramento, for 200 gals. per day from an unnamed spring for domestic purposes. Est. cost, $100.

4339, App. 7784 (Siskiyou Co.) issued to U. S. Shasta National Forest, Mt. Shasta City, for 25,000 gals. per day from Cold Springs, for domestic and fire control uses and irrigation of two acres. Est. cost, $10,000.

4340, App. 7486 (El Dorado Co.) issued to Bear State Gold Mines, Ltd., San Mateo, for 75.0 cu. ft. per second from Pilot Creek for mining and domestic purposes. Est. cost, $15,000.

4341, App. 7818 (Butte Co.) issued to Department of Natural Resources, Division of Forestry, Sacramento, for 40,000 gals. per day from an unnamed spring for domestic and industrial purposes.

4342, App. 7902 (Trinity Co.) issued to Department of Natural Resources, Division of Forestry, Sacramento, for 0.05 cu. ft. per second from Phillips Gulch, for domestic purposes. Estimated cost, $1500.

4343, App. 7748 (Tulare Co.) issued to United States Sequoia N'tl. Forest, Porterville, for 250 gals. per day from Poso Creek, for domestic purposes. Estimated cost, $130.

4344, App. 7905 (El Dorado Co.) issued to M. J. Bacon, Sacramento, for 200 gals. per day from Bull Creek, for domestic purposes.

4345, App. 7898 (Humboldt Co.) issued to H. A. Crossley, Eureka, for 16,000 gals. per day from an unnamed stream for domestic purposes. Estimated cost, $50.

4346, App. 7031 (Nevada Co.) issued to South Yuba Co., Ltd., San Francisco, for 50 cu ft. per second from South Yuba river, for mining purposes. Est. cost, $10,000.

4347, App. 7524 (Sierra Co.) issued to S. O. M'tchell and C. A. Scott, Los Angeles, for 3.0 cu. ft. per second from First Ravine, for mining and domestic purposes. Est. cost, $2,000.

4349, App. 7868 (Inyo Co.) issued to Mrs. John Cronin, Los Angeles, for 0.03 cu. ft. per second from Upper Centennial spring, for mining purposes. Est. cost, $500.

4349, App. 7893 (El Dorado County) issued to U. S. El Dorado National Forest, Placerville, for 10,000 gals. per day from Eagle Falls spring, for recreational and fire protection uses. Estimated cost, $350.

4350, App. 7848 (Placer Co.) issued to U. S. Tahoe National Forest, Nevada City, for 1000 gals. per day from Greek Store spring for recreational and domestic uses. Est. cost, $150.

24— STREET LIGHTING SYSTEMS

TO ASK BIDS

YREKA, Siskiyou Co., Cal.—Yreka City Council has authorized City Attorney James M. Allen to advertise for bids for installation of a street lighting system on Main Street. The contract will include furnishing 42 standards, complete with fixtures and necessary connections to existing underground conduit.

25—MACHINERY AND EQUIPMENT

PURCHASE PLANNED

FRESNO, Fresno Co., Calif.—Commissioner of Public Works Jean L. Vincenz has included in his budget recommended to the city council, the following items: $15,000 for purchase of ten garbage trucks, and $7,500 for one clamshell crane. The equipment is to be used in operation of a proposed municipal garbage collection and disposal system.

CONTRACT AWARDED

LOS ANGELES, Cal.—Kelman Elec. & Mfg. Co., 1650 Naud St., Los Angeles, awarded contract by the Los Angeles Water & Power Commission, at $49,360 for furnishing 34,000 500-volt oil circuit breakers. Spec. No. 3046.

CONTRACTS AWARDED

FELLOWS, Kern Co., Cal.—Following contracts awarded by the Midway School District, Fellows, for furnishing chassis and bodies for two school busses:

Midway Motor Sales, 531 Center St., Taft, $725.87 (Model V-8) inc. tax.
A. H. Karpe's Implement House, P. O. Drawer H, Bakersfield, $1095.40 (Model B-3) plus tax.
Gillig Bros., Post and Franklin Sts., San Francisco, $1275 (37-42 passenger) plus tax.
Gillig Bros., $1400 (43-49 pessenger) plus tax.

CONTRACT AWARDED

YUMA, Ariz.—Ruth Dredger Mfg. Co., 5980 Boyle, Los Angeles, at $12,-400 awarded contract by the U. S. Bureau of Reclamation, Denver, under Spec. No. 614D, for furnishing one ditch cleaning machine for the Yuma Project, Arizona.

POSTPONE AWARD

SAN MATEO COUNTY, Cal.—San Mateo County Board of Supervisors has postponed award of a contract for purchase of a ½-yard power shovel for the County Engineer's Department until the 1934-35 budget is finally approved. Bids for furnishing the shovel have been received by County Purchasing Agent Ernest Werder and referred to County Engineer James S. James for recommendation.

CONTRACT AWARDED

LOS ANGELES, Cal.—Allis-Chalmers Mfg. Co., at $40,370 awarded contract by Los Angeles Water and Power Commission for furnishing potential transformers under Spec. 1430.

CONTRACT AWARDED

LOS ANGELES, Cal.—Madson Iron Works, at $15,375 awarded contract by the Los Angeles Water and Power Commission, for furnishing stringing sheaves under Spec. No. 1548.

26— RAILROADS

CONTRACT AWARDED

SAN FRANCISCO—Theodore Cohn, Russ Bldg., San Francisco, at $12,-826.50 awarded contract by the Public Utilities Commission, Room 287, City Hall, for the reconstruction of the Potrero Avenue Street car line from 18th to Army Streets. M. R. R. Contract No. 168.

27—FIRE ALARM SYSTEM

PLANNED

SAN MATEO, San Mateo Co., Cal. —City Council is expected to authorize a bond issue proposed at a special election to provide $25,000 for extension of the fire alarm system. City

Manager E. A. Tilsey recommends addition of 145 boxes to the present system. 27

28—FIRE EQUIPMENT

CONTRACT AWARDED

EUREKA, Humboldt Co., Cal.—Pioneer Rubber Mills, 353 Sacramento St. San Francisco, at $1.10 per ft. awarded contract by the Eureka city council for furnishing 1,000 ft. of 2½-inch double cotton jacketed rubber lined fire hose in 50 ft. lengths, with couplings.

PLANNED

DINUBA, Tulare Co., Calif.—Purchase of a fire truck for use in rural areas in the vicinity of Dinuba is requested of the Tulare County Board of Supervisors by local property owners. Estimated cost of the truck is $3,000.

CONTEMPLATED

NAPA COUNTY, Cal.—Napa County Board of Supervisors has fixed July 16, 10 A. M., as the time for hearing a petition of residents to form the Chiles & High Valley Fire Protection Dist.

James A. Daly, Clerk of the Board.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

BONNEVILLE, Ore.—R. S. McClintock, South 119 Stevens St., Spokane, Wash., at $14,116 awarded contract by the U. S. Engineer Office, Customhouse, Portland, under Bid. No. 34-727, for exploration drilling of about 38 holes at the site of the Bonneville Power & Navigation Project on the Columbia River.

CONTRACT AWARDED

FORT PECK, Montana.—Morrison-Glasscock-Connor Co., 1822 Main St., Kansas City, Mo., at $143,718.95 was awarded contract by the U. S. Engineer Office, Kansas City, Mo., for the construction of the left bank trestle for upstream toe of Fort Peck dam.

FORT PECK, Montana — Frazier-Davis Construction Co., 1319 Macklind Ave., and G. L. Tarlton, 1406 Ambassador Bldg., St. Louis, Missouri, at $2,157,840 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., for the construction of a steel sheet pile cutoff wall for the Fort Peck Dam, Montana.

Kansas City Bridge Co., Kansas City, Mo., at $2,285,280, and Massman Constr. Co., Kansas City, Mo., at $3,995,104.50 submitted second and third low bids respectively.

CONTEMPLATED

KING and Pierce Cos., Wash.—The Washington State Planning Council's Flood Control Committee has approved construction of a $2,000,000 dam at Mud Mountain on the White river, to curb floods on the White and Puyallup rivers. The project includes construction of a concrete arch dam on White river about six miles southeast of Enumclaw, to store 140,000 acre ft. of water in its reservoir. It would pass 8,000 cu. ft. of water a second at all times and store any flow in excess of that amount.

B. P. Thomas, Sumner, Chief Engineer of the Inter-County River Improvement Assn. of King and Pierce counties, is in Washington, D. C., attempting to secure approval of the project and authorization of funds for its construction.

LOW BIDDERS

FORT PECK, Montana—McDowell-Cooley Co., Kansas City, Mo., at $2,362,500 submitted low bid to U. S. Engineer Office, Kansas City, Mo., for furnishing 1,750,000 cu. yds. gravel for upstream and downstream toes of Fort Peck Dam. Stevens Bros., St. Paul, Minn., at $2,800,000 submitted second low bid at the opening July 2.

PLANNED

LOS ANGELES, Cal.—Construction of the Mono Basin Tunnel will be started within the next sixty days, according to H. A. Van Norman, Chief Engineer of the Bureau of Water Works and Supply. Preliminary work and initial construction will cost about $1,500,000, funds for which will be provided from the proceeds of a $2,000,000 block of 1930 bonds recently voted. The total cost of the tunnel is estimated at $6,500,000. The preliminary work will involve the construction of four camps, telephone lines and water supply pipe lines.

The proposed tunnel will consist of a 9-ft. wide horseshoe section, with concrete lining 25,260 ft. in length, located about 122 miles north of Owenyo on the S. P. railway and approximately the same distance north of Lone Pine on the State highway. The lower portal is located about 345 miles north of Los Angeles. Narrow gauge railroads provide access from Benton and Laws. Construction roads have been built by the department to provide approach to the tunnel portal. Power will be supplied by a transmission line to be constructed from the Southern Sierras Power Co. plant No. 3 on Levining Creek.

Construction will be worked from six headings and camps will be established at four points along the line of the tunnel. These camps are: a 90-man camp at the east portal, a 125-man camp at the west portal, and camps of 250 men each located at shafts Nos. 1 and 2. Shaft No. 1 is 914 feet in depth and Shaft No. 2, 465 ft. The headings are listed as follows:

No. 1, 153,22 ft. in length (west portal).

No. 2, 9,558 ft. in length (Shaft No. 1.)

No. 3, 10,674 ft. in length (Shaft No. 1.)

No. 4, 10,674 ft. in length (Shaft No. 2.)

No. 5, 6,624 ft. in length (Shaft No. 2.)

No. 6, 10,026 ft. in length (East Portal).

The basis upon which the estimate has been prepared fixes the excavation per lin. ft. of tunnel at 3.677 cu. yds. and the concrete at 1.19 cu. yds. Estimated with 5% overbreak and 50% timbered, the total construction quantities amount to the following:

(1) 238,961 c.y. excavation;
(2) 77,660 c.y. concrete;
(3 2,822,495 ft. BM timber.

The engineering department's test holes show about ⅔ of the material through which the tunnel is to be driven as granite. Drilling operations will require a total of 1,632,000 lbs. of explosives.

The project will involve a water supply line of about 84,950 ft. of pipe, including air valves, vacuum valves, blowoff valves, gate valves and expansion joints and local distributing systems. The line consists of:

(1) 2,000 ft. 10¾-in. O. D. pipe;
(2) 29,350 ft. 7-in. do;
(3) 33,250 ft. 6-in. do;
(4) 20,350 ft. 5-in. do.

The transmission line to be built from the Southern Sierras Power Co. plant No. 3 on Levining Creek will involve construction of 20.5 miles of 33,000 volt 1/0 copper conductor, strung on 40-ft. creosoted poles, spaced 175 ft. apart.

The second unit of construction will be the enlargement of the Grant Lake reservoir to 48,000 acre feet capacity by the construction of an earth fill dam 80 ft. in height. The dam will be built across Rush Creek a short distance below Grant Lake.

Conduit construction proposed includes:

Mill Creek-Levining Creek cut and cover conduit, capacity 75 second ft.; length, 45,500 lin. ft.

Walker Creek extension conduit capacity 300 second ft.; length $23,000 ft.

Rush Creek - Mono Craters Tunnel conduit, capacity 350 second ft.; length 16,000 ft.

Grant Lake spur conduit, 1620 l.f.

In addition to numerous short lengths of tunnel, the final unit will be the Long Valley Dam. This dam will be constructed on the Owens River in Mono County. It will be 140 ft. high, creating a reservoir of 163,000 acre feet capacity. The location of this reservoir is such as to impound and regulate all of the waters received from the Mono Basin project and the flow from the Owens river and its tributaries above the dam site. The estimated cost, including dam, gate, towers, diversion tunnel and by-pass, is $1,500,000.

31—PIPE LINES & WELLS

PREPARING PLANS

PHOENIX, Arizona — The Western Gas Co., Phoenix, has announced that plans are under way for the extension of natural gas lines in Mariposa County at an estimated expenditure of $15,000 to $20,000. The line serving Phoenix will be extended from Mohave St. to the steam electric plant of the Central Arizona Light & Power Co. on Lateral 16 and the Southern Pacific Railway. The company also will extend a line from Hunter Drive north of Guadalupe to the town of Tempe.

BID REJECTED

SAN FRANCISCO — The Public Utilities Commission, Room 287, City Hall, has rejected the only bid received, that of the Youdall Constr. Co., 215 Market St., at $71,556.70 for laying of the University Mound Pipe Line Extension on Potrero Ave., from 25th St. to Brannan St., under Spec. W. D. 62.

The project will be re-advertised.

BIDS OPENED

COOLIDGE, Arizona — The Roscoe Moss Co., 4360 Worth St., Los Angeles, at (1) $69,938.40, for drilling thirty wells; (2) $21,767 test wells; (3) $91,705.40 grand total; submitted low bid to the U. S. Indian Irrigation Service, Coolidge, Arizona, for drilling thirty wells for the San Carlos Project, F. P. 261, Coolidge, Arizona. The other bids were:

Lyon Bros., Los Angeles, (1) $74,954.40 (2) $23,733; (3) $98,737.40.

E. N. Brown, Phoenix, (1) $82,808.40; (2) $27,355; (3) $110,163.40.

Lyon Bros. at $7758.85 for drilling, and $1095 for testing, submitted an alternate bid for constructing one group of three wells, 20-in. diameter.

32—SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

SAN FRANCISCO — E. J. Treacy, 309 Call Bldg., San Francisco, at $16,767.89 awarded contract by the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the construction of a sewer and appurtenances in Sloat Blvd. and Forty-fourth Avenue.

FUNDS ALLOTTED

BRAWLEY, Imperial Co., Cal.—The City of Brawley has been given PWA loan and grant of $108,000 for the construction of two new outfall sewer lines.

Koebig & Koebig, 821 Rowan Bldg.,

Los Angeles, consulting engineers, have completed plans for the work.

BIDS WANTED

SALINAS, Cal.—Until July 16, 7:30 P. M., bids will be received by the Salinas City Council, City Hall, Salinas, F. E. Heple, City Clerk, for constructing a pumping station and for furnishing and installing centrifugal sewage pumps in Romie Lane, Salinas.

Plans and specifications obtainable from the above office.

SURVEY PLANNED

COLUSA COUNTY, Cal.—See item under WATERWORKS—(33) 32

CONTRACT AWARDED

SANTA MARIA, Cal. — Oakland Sewer Constr. Co., 9915 Walnut St., Oakland, at $2059 awarded contract by the Guadalupe Sanitary District for constructing sewers in Guadalupe Subdivision No. 1 and Tognazzini Ave. PWA has allotted $1000 to the district.

33— WATERWORKS

SURVEY PLANNED

COLUSA COUNTY, Calif.—The Directors of the Maxwell Utility District and the Colusa County Board of Supervisors have appointed Charles de St. Maurice to make a survey of the district for the installation of water and sewerage systems. Plans are being made to secure financial aid from the PWA.

BIDS POSTPONED

LOVELOCK, Nevada — Until July 9, bid opening pate postponed from July 9, 12 M., previously reported, bids will be received at the office of V. A. Swigg, City Clerk, for construction of water supply pipe line together with well and pumping plant, etc.

FUNDS ALLOTTED

BRAWLEY, Cal.—The Public Works Administration has allotted $216,000 to the City of Brawley, Imperial County, for the construction of a water filtration plant and water mains. Bonds in the amount of $65,000 for the plant, and $258,000 for the water mains were authorized at the bond election Oct.

Koebig & Koebig, 821 Rowan Bldg., Los Angeles, consulting engineers, have completed plans for the work.

CONTRACT AWARDED

SAN FRANCISCO—E. T. Lesure, 87 Miss Circle, Oakland, at $84,830.15 awarded contract by the Public Utilities Commission, Room 287, City Hall, for the construction of the Calheras Aerator, under Spec. W. D.

BIDS WANTED

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for laying 6- and 8-in. cast iron mains, together with necessary fittings, in the area from 8th Ave. to 24th Ave., and from Fulton Street to Lake St., under Spec. W. D. 48.

The work involves:

(1) 34,830 l. f. excavation and backfill for 6- and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 550 c.y. additional excavation and backfill;
(3) 1,200 sq. ft. additional pavement removal and replacement;
(4) installing pipe:
(a) 20,820 l.f. 6-in. bolted joint cast iron pipe;
(b) 14,010 l.f. 8-in. do;
(5) 25,000 lbs. installing fittings, gate valves, etc.;
(6) making joints for pipe and fittings, 618 l.f. bell and spigot joints;
(7) making joints for 6-in. cast iron pipe, 3,825 bolted joints;
(8) making joints for 8-in. cast iron pipe, 2,560 bolted joints;
(9) 54,400 sq. ft. repavement;
(10) connections, work to be done by S. F. Water Dept.

Plans and specifications obtainable from the San Francisco Water Department, Room 605, 425 Mason St., upon deposit of $10. N. A. Eckart, engineer.

BIDS WANTED

SAN FRANCISCO.—Until July 12, 2 P. M., bids will be received by H. N. Krenkel, Supply Officer, Marine Hospital, 14th Ave. and Lake St., for the installation of one fire plug at the U. S. Marine Hospital.

Specifications obtainable at Rm. 113, Marine Hospital.

NEW BIDS ASKED

FRESNO, Cal.—Until July 16, 2 P. M., new bids will be received by the Fresno City Council for furnishing one deep well turbine pump complete, to be installed at Water Dept. Station No. 7, Huntington and Raisina Sts.

All bids received June 29 were rejected by the Commissioner of Public Works, Jean L. Vincenz, with the consent of A. D. Wilder, State PWA Engineer.

BIDS WANTED

LA MESA—Until July 28, 10 A. M., bids will be received by the La Mesa, Spring Valley, and Lemon Grove Irrigation District, La Mesa, for furnishing 3,000 ft. 24" electrically welded drive joint pipe, 3/16", with couplings and lugs.

All bids received June 30 for 3,500 ft. were rejected. The board, July 3, authorized C. Harritt, General Manager, to purchase 500 ft. in the open market and readvertise for 3,000 ft., as above, authorizing a change in the specifications to permit bidder to offer a substitute steel pipe, showing methods of manufacture, testing and dipping.

BIDS WANTED

FALLON, Nevada—Until July 17, 8 P. M., bids will be received by the Fallon City Council for the improvement of a portion of the water supply and distribution mains of the municipal water system, and the construction of an entirely new 1,000,000 gallon reservoir in solid and loose rock of a semi-surface type to be connected to the supply mains of the water system.

BIDS WANTED

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the laying of 6- and 8-in. cast iron mains, together with necessary cast iron fittings, in the area from Egbert St. to Sunnydale Ave., and from Elliott St. to Griffith Ave., under Spec. W. D. 49.

The work involves:

(1) 34,250 l.f. excavation and backfill for 6- and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 550 c.y. additional backfill and excavation;
(3) 1,200 sq. ft. additional pavement removal and replacement;
(4) installing of pipe;
(a) 24,580 l.f. 6-in. bolted joint cast iron pipe;
(b) 9,670 l.f. 8-in. do;
(5) 18,300 lbs., installing of fittings, gate valves, etc.;
(6) making joints for pipe and fittings, 466 l.f. bell and spigot joints;
(7) making joints for 6-in. cast iron pipe, 4,500 bolted joints;
(8) making joints for 8-in. cast iron pipe, 1,770 bolted joints;
(9) 48,615 sq. ft. repavement;
(10) connections, work to be done by S. F. Water Dept.

Plans and specifications obtainable from the S. F. Water Department, Room 605, 425 Mason St., upon deposit of $10.

N. A. Eckart, engineer.

34—PARKS AND PLAYGROUNDS

CONTRACT AWARDED

SANTA PAULA, Calif.—Davis Co., 317 North Avenue 21, Los Angeles, at $1010 awarded contract by the Santa Paula High School District under Proposal D, Item 11, for resurfacing two tennis courts.

PROSPECTIVE BIDDERS

HAMILTON FIELD, Marin Co., Cal. —Following have procured plans for the purpose of submitting a bid July 17, 11 A. M., to the Constructing Quartermaster, Hamilton Field, for constructing approximately 734 lineal feet of fence, two 20-foot gateways and one 26-ft. gateway (consisting of four 10-ft. gates and two 13-ft. gates) at Hamilton Field. Bids will be taken as follows:

(1) Work complete with chain link fence;
(2) Alternate proposal to construct steel picket fences in place of chain link fences:

C. J. Waterhouse, 55 New Montgomery St., San Francisco.
Trask & Squires, 39 Natoma Street, San Francisco.
Menke Bros., Corte Madera.
Kamlan Fence Co., 351 Bryant St., San Francisco.
Anchor Post Fence Co., 460 5th St., San Francisco.
Wilewire Spencer Co., 144 Townsend St., San Francisco.
Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.
California Wire Cloth Co., 587 Mission St., San Francisco.
Standard Fence Co., 440 Bayshore Blvd., San Francisco.
American Fence Co., 2617 San Fernando Blvd., Los Angeles.
Stuart Iron Works, Cincinnati, O.
Chain Link Fence Co., Chicago.
Munthe Equipment Co., 7 Front St., San Francisco.
Pacific Fence Co., 1012 N. Highland, Los Angeles.
Star Ornamental Iron Works.

Plans and specifications may be obtained from above office upon deposit of $5.00 per set. A set of plans will be on file in the Builders' Exchange, 666 Mission St., San Francisco, and at the office of the Constructing Quartermaster, Fort Mason, San Francisco.

BIDS WANTED

SAN FRANCISCO—Until July 18, 1:45 P. M., bids will be received by S. J. Hester, Department of Public Works, for fence work at the Guadalupe School, Cordova and Prague Sts. Work involves, dismantling and straightening existing chain link fabric, 6 feet high; furnish new clips and tie wires; re-stitch fabric, furnish chain link fabric and necessary fittings for one-half of existing 5 foot double wing gate. Specifications available from above office. Estimated cost under $1000.

29—STREETS AND HIGHWAYS

AWARD

LOLETA, Humboldt Co., Cal.—The Hellwig Const. Co., Sebastopol, at $3,624.50 submitted low bid and awarded contract by the Humboldt County Board of Supervisors, Eureka, for surfacing 1½ miles of streets in Loleta and .25 mile on the Ryan Slough road.

The other bids were:

Mercer-Fraser Co., Eureka.....$3,980
F. J. Maurer Co., Eureka..... 4,541

BIDS WANTED

TULARE COUNTY, Cal.—Until July 23, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, R. M. Gillis, District Engineer, State Highway Building, Fresno, for treating shoulders with fuel oil on about 29 miles in Tulare County between Kern county line and Porterville, and between Tulare Wye and four miles west of Lindsay.

Plans and specifications obtainable from the above office.

CONTRACT REVISED

GRAND COULEE, Wash.—The contract for grading of the railroad and highway which was recently awarded to Crick & Kuney, Realty Bldg., Spokane, at $220,676.50 (Sched. 1), has been revised to include an additional estimated 670,000 c.y. of material.

The original contract called for 415,000 c.y. Should the estimate now prove correct, it will bring total to $1,085,000 c.y. Spec. No. 569.

CONTRACT AWARDED

LOS ANGELES, Cal.—T. E. Shafer, 405 N. Rampart Blvd., Los Angeles, at $8,727.50 awarded contract by the Los Angeles Board of Public Works, for improving Imperial Highway from Central Ave. to Belhaven St.

NOTICE TO BIDDERS

KERN COUNTY. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening July 25, in Sacramento.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue line prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened July 25, in Sacramento.

VI-Ker-4-A between Fort Tejon and 1 mile north of Grapevine Station:

PLANS: 16 sheets, cost, $1.60.

CROSS-SECTIONS: 80 sheets; cost, $8.00.

Total, $9.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

Requests for plans, specifications, and proposal forms must be addressed to the State Highway Engineer's Office, P. O. Box 1499, Sacramento.

AWARD RECOMMENDED

APACHE COUNTY, Ariz. — R. L. Sharp, Nutrioso, Arizona, at $2,296 submitted low bid to the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, July 3, and recommended for award of contract for placing subgrade reinforcement of 1.455 miles of the Springerville-Alpine State Line Highway, Route No. 20, Section 13, J2, Unit 3, Apache National Forest, Apache County, Arizona.

Complete bids follow:

R. L. Sharp, Nutrioso.....$2,295
Erastus Skousen, Alpine..... 2,347
Engineer's Estimate..... 2,260

BIDS WANTED

NAPA COUNTY, Cal.—Until July 16 10 A. M., bids will be received by the Napa County Board of Supervisors, James D. Daly, clerk, for surfacing with asphaltic wearing surface a portion of the Wooden Valley road from the junction of Berryessa road for a distance of 3½ miles southerly and for a portion of the Howell Mountain road from Four Corners to the Pacific Union College, a distance of two miles.

Specifications obtainable from above office.

CONTRACT AWARDED

APACHE COUNTY, Ariz. — R. L. Sharp, Nutrioso, Arizona, at $1,675 awarded contract by the U. S. Bureau of Public Roads, Phoenix, for 1.88 mi. of subgrade reinforcement on the Springerville Alpine-State Line, Route 20, Section 13, J2, Unit 2, Apache National Forest, Apache County.

BIDS OPENED

PERSHING COUNTY, Nevada — Union Paving Co., 624 Call Bldg., San Francisco, at $66,648.60 submitted low bid to the Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, for 4.77 miles of highway reconstruction in Pershing County, bet. Lovelock and 5 miles east, Route 1, Section C1. Complete bids follow.

Union Paving Co., San Francisco, $66,648.60.
N. M. Ball, Berkeley, $69,394.
Nevada Rock Sand Co., Reno, Nevada $71,055.03.
Dodge Bros. Constr. Co., Fallon, $71,328.71.
Geo. French Jr., Stockton, $73,524.27
Gibbons & Reed, Salt Lake City, $77,385.24.
Engineer's estimate, $71,,858.62.
All bids held under advisement.

BIDS WANTED

BERKELEY, Calif.—Until July 17, 10 A. M., bids will be received by the Berkeley City Council for constructing a retaining wall and incidental work in the improvement of Tunnel Road from Alvarado Road to the East City Limits. The work involves:

(1) 3800 cu. yds. excavation;
(2) 50 cu. yds. excav. below subgrade;
(3) 1145 cu. yds. reinf. concrete;
(4) 1030 cwt. reinforcing steel;
(5) 840 lin. ft. wire mesh guard fence;
(6) 13,000 sq. ft. waterproofing;
(7) 2 catchbasins;
(8) 960 lin. ft. remove and relay electrolier conduit and cable;
(9) 100 lin. ft. new electrolier conduit;
(10) 100 lin. ft. new electrolier cable;
(11) 6 metal junction boxes;
(12) 4 reset junction boxes;
(13) 1 reset electrolier;
(14) 4 remove electroliers;

Plans and specifications obtainable from Harry Goodridge, City Engineer, upon deposit of $10.

CONTRACT AWARDED

HAMILTON FIELD, Cal.—Frank J. Main, Fairfax, at $14,526.25 awarded contract by the Constructing Quartermaster, Hamilton Field, for the construction of sidewalks and driveway at Hamilton Field.

CONTRACT AWARDED

CAMPBELL, Cal. — A. J. Raisch Paving Co., Burrell Bldg., San Jose, awarded contract by the Board of Trustees of Campbell Union Grammar School District, Campbell, for paving the grammar school courtyard approximately 20,000 sq. ft. in area.

CONTRACT AWARDED

SISKIYOU COUNTY, Cal.—Hanrahan Co., Hobart Bldg., San Francisco, at $8119.80 awarded contract by the State Highway Commission, Sacramento, for 9.6 miles bituminous seal coat in Siskiyou County, between McCloud and the Junction of Routes 3 and 83, near Mt. Shasta City.

CONTRACT AWARDED

NAPA COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $14,577 awarded contract by State Highway Commission, Sacramento, for 0.6 mile surfacing with crusher run and bituminous treated crushed gravel or stone in Napa county between Napa and Greenwood Corner.

CONTRACT AWARDED

SAN FRANCISCO.—Union Paving Co., 624 Call Bldg., San Francisco, at $164,115 awarded contract by the State Highway Commission, Sacramento, for widening and paving with Portland cement concrete and asphalt concrete about 1.4 miles along Potrero Avenue Division St. and Army St., San Francisco.

BIDS WANTED

YUBA COUNTY, Cal.—Until July 24, 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville Hotel, Marysville, for surfacing with bituminous treated crushed gravel or stone surfacing (plant mixed) about 0.12 mile in the city of Marysville, between the north send of the "D" St. bridge and Second St. The work involves:

(1) 425 tons crushed gravel or stone (bituminous treated surfacing);
(2) 21 tons cut-back asphalt (bituminous treated surfacing);
(3) 3,300 sq. yds. emulsified asphalt paint binder.

The surfacing will be of variable width of from 43- to 50-ft. and to a variable thickness of from .13 to .25-ft.

Plans and specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO COUNTY, Cal. — Until July 23, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young County Clerk, Room 201, Court House Bldg., Sacramento, for the construction of an asphalt macadam shoulder on Greenback Lane.

Plans and specifications obtainable from County Engineer John J. Rooney upon deposit of $10.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until July 23, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, County Court House, San Jose, Henry A. Pfister Clerk, for the improvement of approximately 1.5 miles of Dry Creek Road from San Jose - Los Gatos road to Hicks Ave. in Supervisor District Nos. 4 and 5.

The work involves 149,000 sq. ft. of oil macadam.

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.00.

For Sale— Entire Construction Plant and Equipment of Bridge Builders, Inc.

All available on completion of contract. Some items available now. Now in service on East Bay substructure, San Francisco-Oakland Bay Bridge contract. Estimated now, all will be available not later than December 1, 1934.

Practically all purchased NEW—June-August, 1933.

2 American Whirlers 85 ft. Boom Mounted on Barge 40 ft. x 60 ft. x 6 ft.
4 Lambert Derricks 20 Ton 100 ft. Booms Lidgerwood Electric Hoists.
2 Lambert "A" Frame Derricks, 10-Ton (1 100 ft. Boom) 1 80-90 ft. Boom) with American H. & D. Boilers and Hoists Mounted on 1 36 ft. x 72 ft. x 8 ft. Barge and 1 40 ft. x 80 ft. x 8 ft.Barge.
1 Pile Extractor 125 Ton Sheer leg "A" Frame, mounted on 34 ft. x 110 ft. x 8 ft. 8 in. Barge.
1 American H. & D. Gantry Pile Driver Telescopic Leads 85 ft. 4 Drum Steam Hoist.
10 Barges, Flat Deck Sizes 16 ft. x 48 ft. x 6 ft. to 36 ft. x 136 ft. x 8 ft.
4 Dump Scows 30 ft x 100 ft. x 9 ft.
1 Oil and Water Barge Complete with Tanks and Pumps 26 ft. x 72 ft. x 6 ft. 9 in.
1 Tug 160 H. P. 6 Cyl. Atlas Diesel Engine.
1 Tug 125 H. P. 5 Cyl. Union Diesel Engine.
1 Tug 65 H. P. 3 Cyl. Atlas Diesel Engine.
4 Launches 30 H. P. 4 Cyl. Redwing Engines.
2 McKiernan Terry Hammers 10-B-3 (For submarine use).
3 Vulcan Hammers No. 1.
1 Vulcan Extractor No. 400.
1 Vulcan Extractor No. 800.
8 Byron Jackson, Jet Pumps, Vertical—6 stage 1200 G. P. M., 250 H. P., 1750 RPM.
2 Byron Jackson, Jet Pumps, Vertical—4 stage 1000 G. P. M. 125 H. P., 1770 RPM.
1 Byron Jackson Dewatering Vertical—4500 G. P. M. 50 ft., 75 H. P., 1150 RPM.
2 Byron Jackson Dewatering Vertical—2500 G. P. M., 50 ft., 40 H. P., 1765 RPM.
2 Byron Jackson Dewatering Vertical—1650 G. P. M. 50 ft., 30 H. P., 1750 RPM.
2 Sullivan Compressors WJ3 Angle Compound 1-1300 cu. ft. 1-1575 cu. ft.
2 Sullivan Compressors WJ3 Angle Compound 642 cu. ft. 16 in. x 9¾ in. x 10 in.
1 Ingersoll Rand Portable Compressor 210 cu. ft., Type 20.
1 Le Roi Rix Portable Compressor 120 cu. ft. (on skids),
3 Owens Dredging Buckets 2 cu. yd., Type "D" Extra Heavy.
1 Owens Dredging Bucket 1½ cu. yd., Type "D" Extra Heavy.
2 Williams Dredging Buckets 2 cu. yd., Type "PD."
2 Williams Dredging Buckets 1½ cu. yd., Type "PD."
1 Ind. Brown Hoist Locomotive Crane 30 Ton Standard Gauge.
785 Ton Steel Sheet Piling Carnegie M-112—72 foot lengths.
1950 Tons 36 in. Beams Carnegie CB 362, 230 lb.. 72 foot lengths.

Also many other items—write for complete list and details, all to be in first class mechanical condition at time of sale.

IT WILL PAY YOU TO INVESTIGATE THIS EQUIPMENT.
YOUR INSPECTION CORDIALLY INVITED.

Address All Inquiries to

BRIDGE BUILDERS, INC.

Outer Harbor—Parr Terminal, Oakland, California. Phone GLencourt 5909

(Continued from Page 3)

The cost of the gates alone will be about $1,500,000.

Endeavoring to solve the problem presented by the probable accumulation of silt on the upstream side of the dam, the scouring of the river bed on the downstream side by the turbulence of the flow in flash floods over the spillway, and the consequent danger to the stability of the dam itself, engineers of the Reclamation Bureau and the Metropolitan Water District experimented extensively. Several models were built and tested at the Sunset reservoir of the Pasadena city water department. The final model was made accurately as to scale and design, conforming to the approved plans. Water flowing over the spillway will be regulated by the Stoney gates, and when they are raised the silt in the stream bed above the dam will be scoured out.

Two hundred sixty thousand cu. yds. of concrete will be contained in the dam itself, with 15,000 cubic yards of concrete in the spillway bridge piers, gate guides, and stairway shaft, 1,150 cu. yds. in the operating house, and 850 cu. yds. in the curbs, parapets, and roadway bridges.

Concrete to be used in the dam will range in character from mass concrete made with 6-in. maximum size aggregate, minimum cement content of one barrel per cu. yd., maximum water-cement ratio of 0.9 by volume, and minimum compressive strength at time of full loading of 3000 lbs. per sq. in. to heavily reinforced concrete having ¾-in. maximum size aggregate, cement content of approximately 1½ barrels per cubic yard, maximum water-cement ratio of 0.9 by volume and minimum compressive strength at time of loading of 3500 lbs. per sq. in. The individual mixes will be based on securing concrete having suitable workability, density, impermeability, and required strengths without the use of an excessive amount of cement, and using, so far as practicable, the entire yield of suitable materials from the natural deposits from which the aggregates are obtained.

The gravel deposits are about 1½ miles above the dam site at the mouth of the Bill Williams river. The contractor will be allowed free use of these deposits, but will furnish the necessary plant for washing and screening the material. Equipment for the concrete mixing plant must be capable of controlling the delivery of material for weighing or volumetric measurement, so that the combined inaccuracies in feeding and measuring during normal operations will not exceed 1½ per cent for cement or water and 2½ per cent for each separate aggregate. Cement will be furnished by the government to the contractor in bulk.

Concrete will be placed in the dam by means of bottom dump buckets and compacted into a horizontal layer not exceeding 18-in. in thickness. Concrete in general and mass concrete in particular shall be compacted by concrete vibrators of the internal type. Surface vibrators will not be used unless necessary to secure proper embedment of the large aggregate. Exposed surfaces of concrete must be finished by tooling or rubbing, the addition of mortar coats not being permitted. A hand rubbing finish may be required on portions of the dam designated by the contracting officer.

Two diversion tunnels will be blasted through the rock cliffs on the Arizona side of the river. These will be 29 ft. horseshoe shaped tunnels with a combined capacity to pass 60,000 second feet of water. Due to the fact that the flow of the Colorado will be very low during the filling of the Boulder Dam reservoir, which will be started the coming fall, this capacity will be sufficient not only to take care of that but also any flash flood that may be discharged by the Bill Williams river just above the dam site.

The tunnels will each be approximately 1600 ft. in length with open cut excavation at the portals. There will be 72,000 cu. yds. rock and 7,000 cu. yds. common excavation in the portal cuts and 108,800 cu. yds. excavation of all classes in the tunnels. The bores will be lined with a minimum of 6 inches of concrete with a smooth dense finish on all interior surfaces.

The cofferdams will be earth fills, built up in 8-in. layers, watered and rolled. Material will be a mixture of silt, sand and gravel obtained from common excavation for the dam. Specifications call for the use of a "Rohl" type roller having cast iron ball feet spaced over its cylindrical surface and weighing not less than 1000 lbs. per lin. ft. of width of tread. The upstream slope of the upper cofferdam and the downstream slope of the lower cofferdam will be covered to a depth of not less than 3 feet with dumped rip-rap. The slopes will be 3:1 for the faces covered with rip-rap and 2:1 for the other faces. The cofferdams will require approximately 438,000 cu. yds. earth fill and 22,000 cu. yds. of rip-rap. The larger dam, upstream, will be 82 feet in height above the foundation in the river and will be 30 ft. thick on the crest. The smaller downstream dam will be about 45 ft. high and 20 ft. thick on the crest.

Excavation for the diverson dam and cofferdams will approximate 1,508,000 cu. yds. common and 83,000 cu. yds. rock excavation. The main excavation for the dam in earth will be made with 2:1 slopes. Rock excavated for the foundation will be placed as a blanket on the slopes of the common excavation to stabilize the lower part of the slopes.

When the diversion dam is completed the diversion tunnels will be dewatered, earthfill cofferdams shutting off the river at the portals, and will be plugged with concrete in enlarged sections near the upstream portals.

Construction of a permanent road on the California side of the river about 1800 ft. in length, extending from a connection with the existing highway to the crest of the dam, and a spur to the power house site, is included in Schedule No. 1. This road will be cut into the face of the cliffs along the river, involving 68,000 cu. yds. rock excavation and in the disposition of the material 754,000 station cu. yds. overhaul will be allowed. The road will have an oil treated surface 24 ft. wide. The maximum grade will be 6 per cent.

Specifications for work to be done immediately have not overlooked plans for the future, for included in Schedule No. 1 is excavation and in Schedule 2 is concrete and metal work for a part of the power plant project. The power plant is to be erected immediately downstream from the dam. Leading from the forebay to the power house will be four penstock tunnels, the flow being regulated by penstock gates in the forebay structure. A trashrack structure and a sluice tunnel for drainage will protect the forebay. Near the upper end of the forebay sluice tunnel a concrete bulkhead will be built, and the concrete lining of the tunnel will be placed as a part of the future development. Excavation for the forebay, 134,000 cu. yds. of rock and 1,000 cu. yds. of common, is included in Schedule No. 1. Concrete in the forebay trashrack structure and sluice tunnel plugs, 5200 cu. yds., and installation of trasbrack metal work are included in Schedule No. 2.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN FRANCISCO—CALAVERAS AERATOR—(CITY)

SAN FRANCISCO—E. T. Lesure, 87 Ross Circle, Oakland, at $84,830.15 submitted low bid to the Public Utilities Commission, Rm 287, City Hall, for the construction of the Calaveras Aerator, under Specifications No. W. D. 47.

Under the proposed contract, an aeration basin, valve house, and screen chamber are to be constructed near the base of Calaveras Dam, which is located about 10 miles southeasterly from the town of Sunol, Alameda County. The aeration basin will be a reinforced concrete structure about 68 ft. wide by 106 ft. long. The valve house will be a wood frame structure, about 12½ ft. wide by 54 ft. long, with a cement plaster finish and tile roof. The screen chamber and valve house foundation will be reinforced concrete, about 33 ft. wide by 54 ft. long. The work involves:

(1) 3,000 c. y. e cav. for pipe trenches, earth;
(2) 1,000 c. y. do, rock;
(3) 750 c. y. other excavation, earth;
(4) 150 c. y. do, rock;
(5) 3,800 c. y. grading and fill;
(6) 750 c. y. Class A concrete;
(7) 440 c. y. Class B concrete;
(8) 50 c. y. Class C concrete;
(9) 40 bbls. extra cement;
(10) 2,500 lbs. furnish and install copper seals;
(11) 160,000 lbs. reinf. forcing steel in place;
(12) 1,100 lin. ft. furnish and lay 18-in. reinf. concrete pipe;
(13) 450 lin. ft. furnish and lay 44-in. dia. welded steel pipe of 5/16-in. plate;
(14) 475 lin. ft. remove and relay a portion of existing 36-in. Newark-San Lorenzo pipe line;
(15) 7,600 lbs. furnish and install steel pipe specials not included in the other items;
(16) 34,000 lbs. furnishing and laying wrought iron pipe;
(17) 160 nozzles, furnishing and installing aerator nozzles;
(18) 23,000 lbs. furnish and install cast cast steel fittings;
(19) 28,000 lbs. do cast iron pipe and fittings;
(20) 4,500 do misc. steel work;
(21) 8 valves, do 16-in. gate valves;
(22) 1 valve, do, 12-in. gate valve;
(23) 1 valve, do, 20-in. plug type valve
(24) furnish and install 18-in. sluice gate;
(25) 8,600 lbs. installing valves and fittings furnished by city;
(26) removal of needle valve and installing in new location;
(27) 8 couplings of furnishing and installing flexible couplings for 20-in. wrought iron pipe;
(28) 400 lin. ft. furnish and install 6-in. drain tile;
(29) constructing valve rouse above foundation;
(30) 60 screens, furnish and install;
(31) 2.0 MFBM redwood lumber, in place;
(32) 500 l. f. furnish an dinstall pipe handrails;
(33) 700 sq. yds. rubble masonry work
(34) 1500 c. y. cleaning out culvert through dam;
(35) 1,300 l. ft. removing pipe from culvert through dam;
(36) 400 c. y. placing top soil at aerator site;
(37) 580 l. ft. furnish and lay 2½-in. galv. wrought iron pipe;
(38) 500 sq. ft. applying metallic protective coating to exterior of wrought iron pipe;
(39) 500 sq. ft. applying spun enamel lining to interior of wrought iron pipe.

Complete bids follow:

(A) E. T. Lesure, Oakland, $84,830.15.
(B) Lindgren & Swinerton, Inc., San Francisco, $87,137.97.
(C) Barrett & Hilp, San Francisco, $91,719.
(D) *Youdall Constr. Co., San Francisco, $92,530.07.
(E) Dinwiddie Constr. Co., San Francisco, $92,977.81.
(F) *S. H. Palmer, San Francisco, & A. J. Grier, Oakland, $98,098.
(G) MacDonald & Kahn Co., Ltd., San Francisco, $122,069.50.
(H) L. Devincenzi & Co., San Francisco, $123,105.65.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 2.00	$ 1.44	$ 2.00	$ .90	$ 2.00	$ 1.50	$ 2.95	$ 4.00
(2)	3.00	2.40	2.70	2.25	2.95	6.00	6.35	5.50
(3)	2.10	1.65	2.25	.65	1.70	1.00	1.50	1.50
(4)	4.10	2.25	4.25	1.95	3.40	3.00	5.00	4.00
(5)	.75	.51	.60	.39	.90	.70	1.35	1.50
(6)	14.50	19.20	26.00	23.20	22.50	24.00	23.50	28.00
(7)	13.25	11.76	16.50	21.00	11.70	20.00	21.50	26.00
(8)	7.25	8.40	12.50	20.50	9.20	13.00	19.25	20.00
(9)	2.66	3.00	2.60	3.00	2.40	6.00	3.35	3.90
(10)	.26	.45	.35	.65	.57	.30	.35	.60
(11)	.05	.0454	.04	.048	.044	.05	.0515	.06
(12)	5.10	5.82	5.00	6.63	6.44	6.00	6.60	6.45
(13)	9.00	10.52	9.60	8.58	10.49	10.00	10.00	10.00
(14)	4.21	1.95	3.20	2.62	3.06	3.00	2.60	2.85
(15)	.22	1.84	.21	.19	.195	.18	.25	.195
(16)	.10	.1056	.095	.086	.12	.10	.11	.095
(17)	9.00	10.89	9.50	8.30	5.67	7.50	11.25	8.67
(18)	.26	.37	.22	.30	.345	.30	.35	.33
(19)	.18	.164	.14	.19	.165	.20	.22	.195
(20)	.10	.125	.10	.12	.10	.20	.13	.20
(21)	290.00	282.00	275.00	318.00	295.00	300.00	405.00	325.00
(22)	150.00	157.00	110.00	155.25	160.00	150.00	205.00	161.40
(23)	2455.00	2561.00	2300.00	2458.00	2529.00	2600.00	3250.00	2580.00
(24)	250.00	272.00	190.00	241.00	233.65	250.00	320.00	255.00
(25)	.07	.06	.09	.065	.037	.05	.085	.08
(26)	480.00	417.00	500.00	533.00	232.50	300.00	705.00	750.00
(27)	21.00	22.14	20.00	19.54	22.12	20.00	26.00	20.55
(28)	.45	.64	1.00	.26	.69	.75	.65	.76
(29)	1650.00	1745.00	2300.00	2430.00	1700.00	2000.00	1600.00	3250.00

BIDS OPENED

SAN FRANCISCO.—Theodore Cohn, Russ Bldg., at $12,826.50 submitted low bid to the Public Utilities Commission, Room 287, City Hall, for the reconstruction of the Potrero Avenue street car line from 18th to Army Sts. (MRR Contract No. 168).

Complete bids follow:
(A) Theodore Cohn, $12,826.50.
(B) A. D. Schader, $16,995.97.
(C) Eaton & Smith, $22,866.00.
(D) Union Paving Co., $29,480.00.

Unit quantities follow:
(1) 9400 ft. removal of rail and fastenings, inc. special work, single track;
(2) 9100 ft. constructing plain single track;
(3) installing double track over double track crossing;
(4) installing diamond turnout;
(5) hauling rail, special work and appurtenances from the Municipal pipe yard to the work and from the work to the pipe yard; 110 short tons;
(6) 600 furnish and install joint bonds
(7) 20 furnish and install 6-ft. 4/0 cross bonds;
(8) 6 furnish and install 7-ft. 4/0 cross bonds.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .25	$ .54	$ .16	$ .50
(2)	.90	.98	2.12	2.30
(3)	500.00	850.00	600.00	1500.00
(4)	300.00	280.27	250.00	500.00
(5)	2.00	2.20	1.25	2.00
(6)	2.00	2.55	1.85	2.50
(7)	2.50	3.80	2.50	5.00
(8)	2.75	3.95	2.75	5.00

BIDS OPENED

SAN FRANCISCO. — Following bids received by Public Utilities Commission, Room 287, City Hall, for construction of the Sunset Reservoir Supply Line, F.P.W. Project 1510-4:

Alternate "A": Barrett & Hilp, San Francisco, $157,669.50; Chas. L. Harney, San Francisco, $160,858.07; Youdall Const. Co., San Francisco, $164,461.07.

Alternate "B": Charles L. Harney, San Francisco, $176,932.

Alternate "C": American Concrete & Steel Pipe Co., Oakland, $180,872.50.

Item follow:

ALTERNATE "A"

(1) Fabrication, testing, lining and coating and delivery of 64-in. steel pipe with asphalt dip;
(a) 8625 lin. ft. from 5/16-in. steel plates;
(b) 275 lin. ft. ⅜-in.. steel plates.
(2) Excavation, backfill, excess removal, etc., of trench, 8900 lin. ft.
(3) Additional excavation, backfill, excess removal, etc., 650 cu. yds.;
(4) Additional pavement removal and replacement, 1000 sq. ft.;
(5) Installation of pipe, making of field joints, cleaning up, etc., 8900 lin. ft.;
(6) Installation of fittings, gate valves, air valves, etc., 19,100 lbs.;
(7) Additional field joints, including preparation, handling, making and lining and coating of joint, 150 lin. ft.;
(8) Insulating joints, including material, preparation of pipe, making and installation of joint, wrapping and lining of joint, 4 joints;
(9) 39,185 sq. ft. repavement;
(10) Connections, work to be done by San Francisco Water Department;

ALTERNATE "B"

Steel Pipe With Spun Lining.

(30)	9.50	15.36	12.00	57.00	13.04	12.00	13.75	5.00
(31)	85.00	120.00	175.00	115.00	170.00	125.00	105.00	180.00
(32)	1.84	2.00	1.40	1.95	2.06	1.50	3.50	2.50
(33)	2.50	2.64	1.40	1.43	3.60	2.50	2.65	6.00
(34)	1.00	1.52	2.00	.97	.80	1.10	4.00	1.50
(35)	.65	.48	.50	.26	.205	.20	4.00	1.00
(36)	1.50	.90	1.75	.78	1.70	2.25	1.30	2.00
(37)	.74	.53	1.00	.93	.455	1.00	.80	.90
(38)	.38	.45	.40	.38	.455	.40	.50	.45
(39)	.85	.40	.40	.83	.40	.35	.43	.40

*Due to a misunderstanding in the hour set for the bid opening, this proposal was accepted and read tentatively on the advice of the City Attorney pending a final ruling on its legality

BONNEVILLE, Ore.—Powerhouse & Lock Masonry (—Govt)

BONNEVILLE, Ore.—General Construction Co. and J. F. Shea, Inc., Henry Bldg., Portland, at $3,895,592, as previously reported, submitted low bid to the U. S. Engineer Office, Customhouse, Portland, for the construction of navigation lock and power house substructure masonry for the Bonneville Power & Navigation Project, under Spec. 34-745.

The work involves:

SCHEDULE I

(1) 5,000 c. y. embankment cutoff trench, Class 1, common.
(2) 12,500 c. y. Powerhouse excavation, unclassified.
(3) 3,000 c. y. Powerhouse excavation, Class 2, Rock.
(4) 22,000 c. y. Fishway excavation, Class 2, Rock.
(5) 130,000 c. y. Lock and approach excavation, Class 1, common.
(6) 15,200 c. y. Lock and approach excavation, Class 2, Rock.
(7) 200,000 sta. yds. Overhaul.
(8) 125,000 c. y. Cofferdam removal.
(9) 18,000 c. y. rock riprap on embankment.
(10) 6,000 c. y. hand placed riprap.
(11) 210,000 c. y. Powerhouse backfill.
(12) 130,700 c. y. Reinforced concrete, Class "A."
(13) 16,000 c. y. Reinforced concrete, Class "B."
(14) 33,700 c. y. Plain concrete, Class "B."
(15) 10,000 c. y. Reinforced concrete, Class "C."
(16) 20,810,000 lbs. Reinforcing steel.
(17) 2,959,000 lbs. Structural steel.
(18) 96,000 lbs. Structural steel ,copper bearing.
(19) 71,300 lbs. Corrosion resisting steel.
(20) 215,000 lbs. Nickel steel.
(21) 86,800 lbs. Steel castings.
(22) 11,600 lbs. Iron castings.
(23) 60,000 lbs. Wrought iron.
(24) 17,000 lbs. Bronze, rolled.
(25) 180,000 lbs. Steel rails.
(26) 3,500 l. f. Vertical copper water stops.
(27) 15,500 l. f. Horizontal copper water stops.
(28) 263,500 sq. ft. Curved forms.
(29) 42,000 acre ft. Pumping.
(30) 29,300 l. f. drilling anchor holes.
(31) 310,000 lbs. anchor bars.
(32) 3,000 l. f. Drilling grout hoels.
(33) 1,300 l. f. 2 in. grout pipes.
(34) 400 cu. ft. Pressure grouting.
(35) 39,300 lbs. Standard 1 in., 2 in., 3 in., 4 in., and 10 in. galvanized W. I. pipe.
(36) 50,000 lbs. Steel pipe, ¼ in. to ½ in. plate.
(37) 209,000 lbs. Cast iron pipe 6 in. to 28 in. diameter.
(39) 18,000 lbs. Cast iron pipe valves.
(40) 10,000 l. f. Fiber conduit, 4 in.
(41) 20,100 l. f. Fiber conduit, 3 in.
(42) 1,435 l. f. Metal conduit, 2 in.
(43) 3,250 l. f. Metal conduit, 1 in.
(44) 41,000 lbs. Miscellaneous items of metal work.
(45) 16,000 l. f. Wood bearing piling below cutoff.
(46) 1,900 l. f. Wood bearing piling, above cutoff.
(47) 40 M. F. B. M. Pile bracing.

SCHEDULE II

(48) 2,400 c. y. Lock & bridge pier excavation, Class 2, rock.
(49) 2,800 c. y. Reinforced concrete, Class "A."
(50) 2,000 c. y. Reinforced concrete, Class "B."
(51) 5,800 c. y. Plain concrete, Class "B."
(52) 320,000 lbs. Reinforcing steel.
(53) 92,000 lbs. Structural steel.
(54) 10,000 lbs. Structural steel, copper bearing.
(55) 6,000 lbs. Nickel steel.
(56) 900 lbs. Steel catsings.
(57) 800 lbs. Iron castings.
(58) 7,500 sq. ft. Curved forms.
(59) 7,000 l. f. Drilling anchor holes.
(60) 73,000 lbs. Anchor bars.
(61) 900 l. f. Fiber conduit, 3 in.
(62) 65 l. f. Metal conduit, 2 in.
(63) 50 l. f. Metal conduit, 1 in.
(64) 1,000 lbs. Miscellaneous items of metal work.
(65) 15,000 l. f. Wood bearing piling below cutoff.
(66) 1,800 l. f. Wood bearing piling above cutoff.
(67) 2 M. F. B. M. Pile bracing.
(68) 3 stations Roadway grading.
(69) 3 stations Roadway macadam surface.

Total bids follow:

(A) General Construction Co. and J. F. Shea, Inc., Portland, $3,895,592.
(B) Columbia Construction Co., Lewis Bldg., Portland, $3,927,755.
(C) Frazier-Davis Constr. Co. & G. L. Tarlton, St. Louis, Mo., $3,943,-874.
(D) Silas Mason, Inc., New York, & Atkinson-Kier Co., San Francisco, $5,219,880.
(E) Fraser Brace Corp., New York City, $5,264,477.

Unit bids follow:

SCHEDULE I

	(A)	(B)	(C)	(D)	(E)
(1)	$ .60	$ .40	$ .40	$ 1.00	$ 1.50
(2)	1.50	.66	1.00	1.00	1.50
(3)	6.00	4.65	7.00	5.00	4.00
(4)	6.00	2.10	4.00	8.50	3.00
(5)	.60	.60	.60	1.00	.97
(6)	6.00	4.60	5.00	8.50	4.00
(7)	.02	.0125	.01	.01	.02
(8)	.60	.60	.30	1.00	1.00
(9)	.80	.70	.40	1.00	1.50
(10)	3.00	5.80	1.50	4.00	3.00
(11)	.40	.55	.40	.50	.80

(1) Fabrication, testing, lining and coating and delivery of 51-in. steel pipe with spun lining, 8900 lin. ft.;
(2) to (8) same at Alternate "A";
(9) 37,404 sq. ft. repavement;
(10) Same as Alternate "A".

ALTERNATE "C"

Reinforced Concrete Pipe.

(1) Fabrication, testing, lining and coating and delivery of 51-in. reinforced concrete pipe, 8900 lin. ft.;
(2) to (8) same as Alternate "A";
(9) 40,682 sq. ft. repavement;
(10) Same as Alternate "A".

The bidders were:

(A) Barrett & Hilp, San Francisco.
(B) American Concrete & Steel Pipe Co., Oakland.
(C) Chas. L. Harney, San Francisco.
(D) Youdall Const. Co., San Francisco.

Unit prices were:

ALTERNATE A

	(A)	(C)	(D)
(1a)	$ 10.50	$ 8.90	$ 8.90
(1b)	15.00	10.35	10.35
(2)	3.00	4.60	4.80
(3)	1.50	2.30	1.85
(4)	.30	.35	.463
(5)	2.25	2.28	2.28
(6)	.05	.078	.078
(7)	5.00	4.31	4.31
(8)	985.00	695.13	695.13
(9)	.20	.30	.351
(10)	1500.00	1500.00	1500.00

ALTERNATE B

	(C)
(1)	$ 10.60
(2)	4.60
(3)	2.30
(4)	.35
(5)	2.49
(6)	.078
(7)	4.74
(8)	681.00
(9)	.30
(10)	1500.00

ALTERNATE C

	(B)
(1)	$ 14.25
(2)	3.00
(3)	1.75
(4)	.30
(5)	1.10
(6)	.07
(7)	.75
(8)	750.00
(9)	.25
(10)	1500.00

All bids held under advisement.

AWARD RECOMMENDED

SACRAMENTO, Cal.—Larsen Bros., 5200 21st Ave., Sacramento, at $9,980 submitted low bid and recommended for award of contract by the Board of Trustees of the American River Flood Control District, Room 410, State Bldg. Sacramento, for the construction of Chicken Ranch Slough diversion ditch and dam. The work involves:

(1) 88 c.y. concrete in two reinf. conc. structures;
(2) 28,000 c.y. common excavation;
(3) 14,000 c.y. rolled dam fill;
(4) 10,000 l.f. 3 wire fenceing (lump sum).

Complete bids follow:

(A) Larsen Bros., Sacramento, $9,-980.00.
(B) J. R. Reeves, Sacramento, $10,-305.00.
(C) C. A. Baker, North Sacramento, $10,477.20.
(D) A. Teichert & Son, Sacramento, $13,130.40.
(E) Ralph A. Bell, Los Angeles, $19,-480.00.

The unit prices were:

	(1)	(2)	(3)	(4)
(A)	$0.19	$0.10	$20.00	$1500.00
(B)	.14	.25	20.00	1125.00
(C)	.185	.185	21.00	859.20
(D)	.20	.26	21.80	1972.00
(E)	.30	.50	35.00	1000.00

The bids have been referred to the State PWA Engineer with the recommendation that contract be awarded to the low bidder, Larsen Brothers.

2)	8.00	8.85	9.50	15.00	12.36
3)	8.00	8.85	7.00	14.00	12.36
4)	8.00	8.85	7.00	11.50	12.36
5)	8.00	8.85	5.50	18.00	12.36
6)	.045	.04	.047	.045	.048
7)	.06	.063	.07	.06	.11
8)	.06	.063	.073	.062	.11
9)	.40	.62	.50	.38	.42
0)	.12	.20	.12	.11	.24
1)	.15	.20	.15	.14	.12
2)	.10	.135	.10	.11	.12
3)	.15	.17	.15	.08	.20
4)	.40	.62	.40	.30	.46
5)	.05	.042	.07	.54	.06
6)	.40	.53	.60	.60	.60
7)	.30	.40	.20	.30	.50
8)	.80	.85	.50	.50	1.00
9)	3.00	3.50	5.00	3.50	5.00
0)	.60	.56	.70	.50	.50
1)	.06	.056	.07	.06	.07
2)	3.00	1.40	2.00	2.00	3.00
3)	.50	.45	.40	.50	.65
4)	4.00	2.35	4.00	4.00	1.00
5)	.13	.11	.15	.10	.30
6)	.08	.135	.09	.08	.12
7)	.07	.08	.07	.08	.10
8)	.12	.125	.13	.12	.15
9)	.40	.40	.20	.20	.50
0)	.35	.45	.35	.40	.35
1)	.30	.35	.30	.35	.30
2)	.50	.45	.50	.45	.55
3)	.28	.25	.30	.30	.29
4)	.12	.20	.08	.22	.20
5)	.50	.60	.70	.60	.60
6)	.20	.85	.40	.20	.35
7)	60.00	56.00	100.00	60.00	100.00

SCHEDULE II

	(A)	(B)	(C)	(D)	(E)
3)	4.00	4.00	4.00	8.00	4.00
4)	7.00	7.50	9.00	7.00	12.36
5)	7.00	7.50	6.00	6.00	12.36
)	7.00	7.50	6.00	5.00	12.36
6)	.04	.04	.04	.03	.048
7)	.06	.055	.06	.055	.11
8)	.063	.06	.063	.06	.11
9)	.12	.20	.12	.11	.24
0)	.15	.25	.15	.14	.18
1)	.10	.12	.10	.11	.12
2)	.60	.60	.40	.50	1.00
3)	.60	.50	.50	.50	50
4)	.05	.05	.06	.06	.07
5)	.30	.30	.35	.30	.30
6)	.50	.40	.50	.50	.55
7)	.28	.20	.30	.40	.29
8)	.10	.15	.08	.22	.20
9)	.50	.50	.60	.60	.60
0)	.20	.75	.40	.20	.35
1)	50.00	50.00	100.00	50.00	100.00
3)	200.00	200.00	200.00	200.00	150.00
4)	200.00	200.00	300.00	200.00	200.00

The Engineer's estimate of the work is $3,957,562.

All bids held under advisement.

BIDS OPENED

ORANGE COUNTY, Cal.—Sharp and Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $4,908 submitted low bid to the Department of Public Works, Division of Highways, E. V. Cortelyou, District Engineer, State Bldg., Los Angeles, for grading 1 miles in Orange county between Talbert Ave. and Heil Ave., near Santa Ana river bridge.

The work involves:

(1) 77 sta. clear and grub right of way;
(2) 23,000 c.y. rdwy. embankment, in place.

Bidders follow:

(A) Sharp & Fellows Contracting Co. Los Angeles.
(B) Gogo & Rados, Los Angeles.
(C) A. S. Vinnell, Los Angeles.
(D) Pacific Crane & Rigging Co.
(E) Kovacevich & Price, Inc., South Gate.
(F) John Oberg, Los Angeles.
(G) Martter & Bock, Ltd., Los Angeles.
(H) Kuhn Bros, Inc., Manhattan Beach.
(I) Post Brothers, Santa Ana.
(J) C. O. Sparks, Los Angeles.
(K) Dimmitt & Taylor, Los Angeles.
(L) H. E. Cox & Sons, Pasadena.
(M) Sunset Decomposed Granite Co., Los Angeles.
(N) Wm. V. Horn, Pasadena.
(O) D. O. C. Const. Co., Santa Barbara.

	(1)	(2)	Total
(A)	$ 4.00	$0.20	$ 4,908.00
(B)	2.00	.225	5,329.00
(C)	2.00	.25	5,904.00
(D)	2.00	.25	5,904.00
(E)	.50	.2875	6,651.00
(F)	6.00	.28	6,902.00
(G)	3.00	.315	7,476.00
(H)	5.00	.33	7,975.00
(I)	1.00	.35	8,127.00
(J)	5.00	.35	8,435.00
(K)	5.00	.36	8,665.00
(L)	5.00	.374	8,987.00
(M)	12.00	.59	9,894.00
(N)	5.00	.472	11,241.00
(O)	2.00	.58	13,494.00

BIDS OPENED

SAN BERNARDINO COUNTY, Cal.—George Herz & Co., 311 Platt Bldg., San Bernardino at $13,964.10 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 3rd St., San Bernardino, for 28.5 miles of existing roadbed to be treated with fuel oil in San Bernardino county between Summit Station and Cedar Springs; between the Stables and the North Shore toll gate at Lake Arrowhead; and between Dolly Varden Angling Club and the south fork of the Santa Ana river.

The work involves:

(1) 3,590 bbls. heavy fuel oil in place;
(2) 28.5 miles preparing roadbed and mixing and shaping oiled material.

Complete and unit bids follow:

George Herz & Co., San Bernardino, (1) $2.04; (2) $233; (total) $13,964.10.

George Gardner & Sons, Redlands, (1) $1.95; (2) $270; (total) $14,695.50.

BIDS OPENED

LOS ANGELES AND ORANGE COUNTIES, Cal.—Sunset Decomposed Granite Co., 1152 N. Fairfax Ave., Los Angeles, at $9882.35 submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, State Bldg., Los Angeles, for highway improvement in Los Angeles and Orange Counties, at various locations; about 2 miles of existing roadbed shoulders and about 11.6 miles of existing roadbed to be treated with fuel oil, and about 9.7 miles of existing roadbed shoulders to be treated with a bituminous seal coat involving:

(1) 18,800 sq. yds. preparing, mixing and shaping shoulders, Location "A";
(2) 65,300 sq yds. preparing, mixing, and shaping roadbed, Location "B";
(3) 38,020 sq. yds. preparing, mixing and shaping roadbed, Location "C";
(4) 25,350 sq. yds. preparing, mixing and shaping roadbed, Location "E";
(5) 2740 bbls. heavy fuel oil in place, Locations "A", "B", "C" and "E";
(6) 68,300 sq. yds. preparing shoulders for seal coat, Location "D";
(7) 50 tons cutback asphalt in place Location "D";
(8) 500 tons sand in place. Location "D".

Complete bids follow:

Sunset Decomposed Granite Co., $9,822.35; (1) $0.377; (2) $.0215; (3) $.0276; (4) $.0324; (5) $1.48; (6) $.0065; (7) $18.50; (8) $.95.

Geo. Gardner & Sons, Redlands, $11,877.90; (1) $.045; (2) $.04; (3) $.045; (4) $.05; (5) $1.25 (6) $.005; (7) $18.00; (8)$1.55.

Gogo & Rados, Los Angeles, $12,245.75 (1) $.045; (2) $.045; (3) $.045 (4) $.045; (5) $1.45; (6) $.002; (7) $18; (8) $1.20.

Kovacevich & Price, Inc., South Gate $12,440.79; (1) $.045; (2) $.04; (3) $.042; (4) $.042; (6) $2.60; (6) $.0075 (7) $17.00; (8) $1.15.

Dimmitt & Taylor, Los Angeles, $13,509.97; (1) $.0425; (2) $.0425; (3) $.0425; (4) $.0425; (5) $1.50; (6) $.025; (7) $18.50; (8) $1.00.

Kemper Constr. Co., Los Angeles, $14,275; (1) $.064; (2) $.042; (3) $.055; (4) $.061; (5) $1.55; (6) $.0075 (7) $18.65 (8) $2.00.

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IN THIS ISSUE

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$907,000 Bridge Contract Awarded

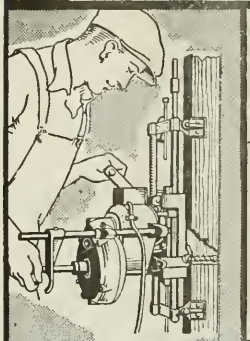
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

July 21, 1934

Vol. XVII—No. 29

WAPPAT Electric TOOLS



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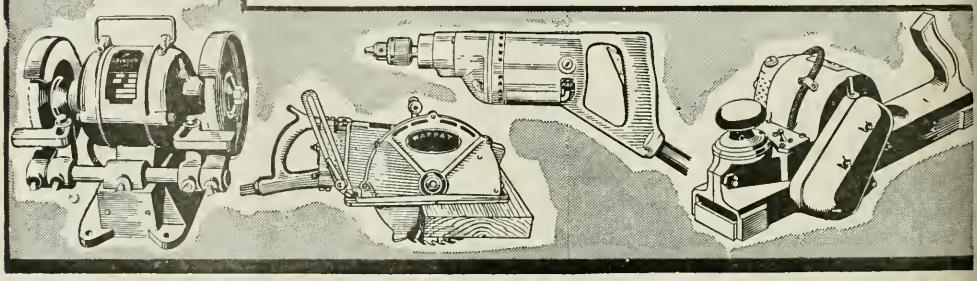

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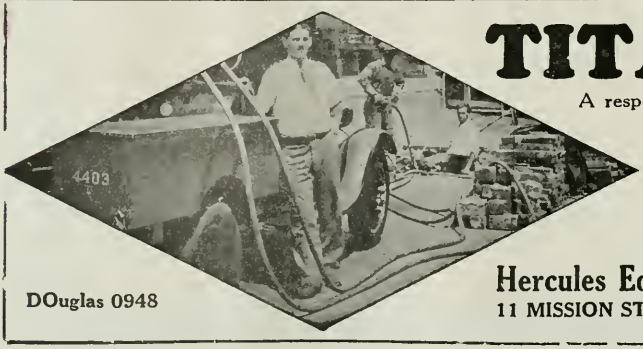

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Vol. XVII SAN FRANCISCO, CALIF., JULY 21, 1934 No. 29

PLAN $300,000 SEWER SYSTEM ON PENINSULA

Burlingame, San Mateo To Vote On Bonds For Joint Project

Construction of a jointly-financed outfall sewer system and treatment plant is to be financed by peninsula cities through PWA funds and bond issues, on which votes will be cast September 4. The election date is tentative, although councilmen in both San Mateo and Burlingame are expected to make it definite by action within a week

Cost of the completed project is to exceed $300,000. It will be shared by Hillsborough which already has voted bonds and has cash in the treasury and has pledged $21,000 toward the work.

San Mateo will vote on a bond issue of $85,000 and Burlingame on an issue of $86,000, according to preliminary cost surveys. Both cities have been allocated grants of 30 percent of the cost of labor and materials from PWA funds.

Intercepting lines will be constructed within each city to connect with a single outfall line and jointly operated treatment plant.

The possibility of a monthly service charge against property served as a means of amortizing the bonds is being considered in Burlingame.

Harry N .Jenks, Berkeley consulting engineer, has been engaged to work with City Engineer C. M. Thomas of Burlingame and City Engineer E. P. Wilsey of San Mateo in preparation of the project.

MATERIAL PRICES DECLINE SLIGHTLY

Building material prices decreased three-tenths of one per cent as a group in the week ending July 7, according to the weekly survey of the U. S. Bureau of Labor Statistics. The decline is attributed to weakening prices in certain paint materials, plumbing and heating materials and miscellaneous building materials. The present level is 13½ percent higher than the level for the corresponding week of last year, and 24 percent above two years ago when the index numbers registered 77.0 and 70.7, respectively, the Bureau stated.

Tabulation of San Francisco materail price quotations appears today on Page 4.

Lighthouse Service Opens Proposals For Road Construction

The Mercer-Fraser Co. of Eureka, yesterday, submitted low bid to the Superintendent of Lighthouses, Custom House, San Francisco, for the coustruction of four miles of roadway in Humboldt County. Bidding was taken on three alternates as follows: Job complete; job complete except surfacing a distance of 5,473 ft.; and job complete except surfacing a distance of 5,473 ft., and erection of right-of-way fencing and gates. The Eureka firm was low bidder on all propositions.

Following are the bids received for the job complete:

Mercer-Fraser, Eureka	$25,250.00
H. C. Anderson, Alton	27,399.55
Fred J. Maurer & Sons, Eureka	27,460.00
Hemstreet & Bell, Marysville	27,614.87
Meyer Rosenberg, San Francisco	32,900.00
Mittry Bros. Construction Co., Los Angeles	38,100.00
Biasotti, Willard & Biasotti, Stockton	49,700.00

'M' STREET SPAN CONTRACT LET TO GEO. POLLOCK

Construction of Sacramento Bridge to Cost $907,000 Starts Immediately

SACRAMENTO, July 14.—A contract was let today to George Pollock Co., Inc., for construction of the "M" Street bridge over the Sacramento river here. Pollock Company was low bidder on the span contract at $907,365. The bids were opened by the State Highway Commission June 27.

Award of the contract was deferred until an additonal appropriation from state funds was secured, the low bid having exceeded estimates by approximately $85,000.

The bridge is being financed jointly by the state from gasoline tax money, the county of Sacramento and NIRA highway funds of the 1933 appropriation.

The new span replaces the existing obsolete structure on the main highway entrance to the capital city. It is also used as a crossing by the Sacramento Northern railway and provision is made for the railroad tracks on the new bridge. Construction of the new bridge is complicated by necessity for maintaining a temporary crossing at the site for heavy highway and rail traffic during the construction period.

The new bridge will include a 209-foot vertical lift span. Mechanical and electrical work is part of the general contract. Contractor Pollock said equipment would be moved to the site at once in order to take full advantage of low water levels this season. Mr. Pollock has just completed a contract at Mare Island for extension to Dike No. 12.

MacDONALD - KAHN LOW BIDDERS ON BRANNAN SEWER

Public Works Board Receives Bids on Two PWA Contracts

Bids were taken yesterday by the Board of Public Works on two PWA - financed contracts, the low figures aggregating $274,000. The work to be done under the two contracts includes one of the principal sewer extension jobs and the first portion of the high pressure fire protection lines to be advertised.

MacDonald & Kahn offered the low bid at $245,542 for construction of sewers in Brannan street and in Eighth street. Complete bids follow:

MacDonald & Kahn	$245,542
Healy - Tibbitts	261,878
M. B. McGowan	265,679
Eaton & Smith	291,714
Union Paving Co.	297,648

For extension of the auxiliary water supply system in Potrero Avenue from Twenty-fifth to Alameda streets, the low bid was submitted by Herman Lawson Co., at $28,747.

The complete bids are:

Herman Lawson Co.	$28,747
E. J. Treacy	36,516
Eaton and Smith	37,499
Lowrie Paving Co.	40,927
Alta Electric and Mechanical	49,741

Supervisors Reject Single Bid Offered For Municipal Bonds

The San Francisco Board of Supervisors Monday rejected the sole bid received on the new issues of general obligation bonds. The bonds offered were: Water Distribution bonds, $2,959,000; Hetch Hetchy dam bonds, $3,500,000; Sewer bonds, $1,500,000, and Airport bonds $260,000.

The bid received was from the local banking syndicate composed of R. H. Moulton & Co., Security First National Bank, Anglo-California National Bank, Dean Witter & Co., and Heller, Bruce & Co., was offered par and $1 per bond premium for the water and airport bonds provided they carry a 4 percent interest coupon. This offer is equivalent to calling for 3.99 percent interest rate, and was rejected by the city.

No offer was made for either the sewer bonds or the Hetch Hetchy bonds.

COMMISSION LETS FOUR CONTRACTS

SPECIAL TO DAILY PACIFIC BUILDER

SACRAMENTO, July 17.—The State Highway Commission today awarded four contracts totaling $36,975, as follows: Geo. Herz & Co., San Bernardino, for fuel-oil treating 28.5 miles in San Bernardino County, $13,964; Robert D. Paterson, Santa Barbara, for construction of two timber bridges near Fresno, $12,745; Sharp & Fellows Contracting Co., Los Angeles, for grading 1.5 miles in Orange County, $4,908; and D. A. Loomis, Glendale, for erection of maintenance station buildings at Los Angeles County Park, $5,358.

The Highway Commission announced that no new contracts would be advertised this week.

LET $98,954 SCHOOL JOBS IN OAKLAND

Six Bidders Share In Awards For 90 Temporary Buildings

The Oakland Board of Education yesterday awarded contracts totaling $98,954 for building ninety temporary classrooms to house students at schools vacated until they have been reconstructed to conform to State regulations.

The contracts were divided among six bidders, as follows:

Sequoia (8)

John E. Branagh ..... $ 7,980

Cole (16)

John M. Bartlett $17,746

Roosevelt (27)

Meyer Const. Co. $29,485

Montclair, Maxwell Stonehurst (11)

W. F. Lynn $12,870

Webster

Kelly and Tulloch 13,470

Burckhalter, Toler Heights, John Swett (5)

W. V. Bernard ..... $ 5,195

FRESNO ARCHITECTS FEE SET BY BOARD

Formal approval has been given by Fresno county supervisors to a contract under which the Allied Architects of Fresno will receive six per cent of the total cost of the new hall of records for their services in connection with the work.

The allied architects are W. D. Coates, Jr., Fred L. Swartz, H. Rafael Lake, E. J. Kump, E. W. Peterson and Charles H. Franklin.

U. S. FUNDS FOR RECONDITIONING AVAILABLE SOON

Billion Dollars Loaned During First Year of Mortgage Relief Project

Martin Stelling, Jr., of San Francisco, recently appointed State Reconditioning Supervisor for the Home Owners' Loan Corporation, has opened headquarters in the regional office of the Corporation at 444 California street, San Francisco. The office will be ready to accept reconditioning applications probably by August 10.

Numerous applications regarding the new reconditioning service instituted by the Government in connection with the new housing activities have been made to the Home Owners' Loan Corporation recently, it is reported.

Charles M. Potter, Special Representative in charge of the operations of the affairs of the Corporation in the State of California, emphasizes the fact that the reconditioning services provided for in the recent amendment to the Home Loan Act should not be confused with the necessary repairs required by the original act.

More than one billion dollars disbursed in Federal mortgage relief to distressed urban home owners in slightly more than one year (under the Act of June 13, 1933) is announced by the Home Owners Loan Corporation. The announcement covered figures available as of June 29, 1934.

During the week ending that date 17,510 loans, amounting to $51,911,690 were closed, the report revealed, bringing the total of mortgage refunding and other advances by the Corporation to date to $1,027,991,565, distributed among 341,162 individual homes throughout the country. The average loan is $3,013. Twenty-two states have each closed more than 5,000 loans to date. Hawaii reports 216 loans closed.

During the same week 22,277 applications for loans were received. To that date 1,510,750 applications, amounting to $4,856,269,830, have been filed. A large proportion of these are ineligible, largely because many of the applicants are not in genuine distress, and such applications will be rejected as rapidly as investigation discloses the facts.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
348	Broadwall	Mullen	1800
349	Standard	Standard	4000
350	Standard	Standard	4000
351	Capital Co.	Owner	1000
352	Malloch	Owner	1000
353	Wilhelm	Wilhelm	9500

ALTERATIONS
(348) NO. 141 GRANT AVE. Alter store.
Owner—Graham Broadwall, Premises.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco. $1800

SERVICE STATION
(349) NW COR. MAIN and Mission Sts.; 1-story Class A service station.
Owner — Standard Stations, Inc., 200 Bush Street.
Architect—Not Given.
Contractor—Standard Oil Co. of California, 225 Bush St. $4000

GREASING STATION
(350) NW COR. MAIN and Mission Sts.; 1-story Class A greasing station.
Owner — Standard Stations, Inc., 200 Bush Street.
Architect—Not Given.
Contractor—Standard Oil Co. of California, 225 Bush St. $4000

ALTERATIONS
(351) 785 MARKET ST; alter office bldg.
Owner—Capital Co., 625 Market St.
Architect—Not given.
Contractor—Day Work. $1000

(352) 1252-1254 POLK ST.; alter store.
Owner—L. & J. Hirsch, c-o contractor.
Engineer—Ellison & Russell, Pacific Bldg.
Contractor—J. S. Malloch, 666 Mission St. $1000

ALTERATIONS
(353) 1896 PACIFIC AVE.; alter apt. house (erect Class A penthouse on roof).
Owner—A. H. Wilhelm, 666 Mission Street.
Architect—Martin A. Sheldon, 819 Monadnock Bldg.
Contractor—Owner.
Engineer—Felix H. Spitzer, 2001 Pierce Street. $9500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
83	Scammell	Owner	4500
84	Lacey	Owner	1000
85	S. F. Sulphur	Steel	1500
86	University	Norgrove	1425
87	Syndicate	Leekins	2750
88	Syndicate	Leekins	2750
89	Syndicate	Leekins	2750
90	Six Companies	DeVelbiss	1100
91	Coe	owner	1000
92	Grubb	Owner	3100
93	Halperin	Pfeiffer	1800

DWELLING
(283) NO. 3727 ELSTON AVE., OAKLAND. Onestory six-room dwelling.
Owner — J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4500

SHOP
(284) NO. 530 LAKE PARK AVE., OAKLAND. One-story tile shop.
Owner—W. S. Lacey, 610 Beacon St., Oakland.
Architect—Not Given. $1000

ADDITIONS
(285) 836 HEINZ ST., BERKELEY; additions.
Owner—S. F. Sulphur Co., Seventh & Heinz, Berkeley.
Architect—Not Given.
Contractor—Steel Tank & Pipe Co. $1500

ALTERATIONS
(286) 2161 CENTER ST., BERKELEY; alterations.
Owner—University of California.
Architect—Not Given.
Contractor—C. M. Norgrove, 220 Roosevelt, Berkeley. $1425

DWELLING & GARAGE
(287) 6266 CROWN AVE., OAKLAND; two-story 5-room dwelling and 1-story garage.
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $2750

DWELLING & GARAGE
(288) 5585 MERRIEWOOD DR., OAKLAND; two-story 5-room dwelling and 1-story garage.
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $2750

DWELLING & GARAGE
(289) 281 TAURUS AVE., OAKLAND; one-story 5-room dwelling and 1-story garage.
Owner—Syndicate Merriewood Co.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $2750

COMPRESSOR HOUSE
(290) WEST PORTAL, of Broadway Tunnel, OAKLAND; 1-story compressor House.
Owner—Six Companies of California. P. O. Box 120, Berkeley.
Architect—Not Given.
Contractor—C. D. DeVelbiss Co., 354 Hobart St., Oakland. $1100

NEW DWELLING
(291) 6818 PASO ROBLES DRIVE, Oakland; one-story 3-room dwelldwelling.
Owner—E. H. Coe, 1829 6th Avenue.
Architect—Not given.
Contractor—Owner. $1000

DWELLING & GARAGE
(292) 1827 108th AVE., OAKLAND; one-story 6-room dwelling and 1-story garage.
Owner and Contractor—Jas. B Grubb, 1801 109th Ave., Oakland.
Architect—Not Given. $3100

SERVICE STATION
(293) 1849 SHATTUCK AVE., BERKELEY; one-story 2-room Class C building (service station).
Owner—J. Halperin, 147 Lake Avenue, Piedmont.
Architect—Not Given.
Contractor — The Pfeiffer Company. 6221 Bromley St., Berkeley. $1800

SAN FRANCISCO UNDER $1000

SIGN, electric, $150; 1001 Grant Ave.; owner, Fung Chong Co. 1001 Grant Ave.; contractor, Wonderlite Neon Prod. Corp., 170 Otis St.
BLDG., 1-story frame, $500; SE Sunnydale and Delta; owner, C. Martorella, 60 Ocean Ave.
SIGN, electric, $400; 1365 Van Ness; owner, W. R. Casey, 1356 Van Ness; contractor, Wonderlite Neon Prod. Co., 170 Otis St.
STUCCO dwelling, $585; 429 Greenwich St.; owner, C. Conterno, 427 Greenwich St.; contractor, L. Polidoro Co., 780 Vallejo St.
ALTER flat, $300; 4182 17th Street; owner, C. A. Cooke, 2360 Van Ness Avenue.
ALTER dwelling, $400; 104 Fair Oaks; owner, R. E. Schmales, 104 Fair Oaks.
ALTER store, $200; 4744 Third St.; owner, L. Marty, 4744 3rd St.
ALTER dwelling, $450; 2912 Army St. owner, Mrs. Johanna Hildrich, 1563 Hampshire St.; contractor, Hanson Bros., 5840 Mission St.
ALTER dwelling, $80; 244 Sandowa; owner, Mrs. Selma Sperling, 244 Sandowa St.
ALTER dwelling, $950; 2854 Army St. owner, John Saccone, Premises; contractor, Carl Frank Co., 305 Bocana St.
SIGN, electric, $150; 2620 Mission St.; ownerfi M. L. Misuta, 2620 Mission Street; contractor, Neon Sign Service, 1707 Folsom St.
ALTER store, $200; 1111 Market St.; owner, A. Allen & Co., 2048 Market St.; contractor, Ira W. Coburn, 2048 Market St.

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BUILDING NEWS

NEWS INDEX

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17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Preliminary Sketches

APARTMENT HOUSE REMODELING Cost, $——
Carlton Ave., Berkeley.
Modernization.
Owner—Name withheld.
Architect—F. L. Confer, 2812 Russel St., Berkeley.
Contractor—Owner has selected contractor, name withheld.

Contract Awarded.

APARTMENT Cost, $9500
SAN FRANCISCO. 1896 Pacific Ave.
Erect Class A penthouse on roof.
Owner and Builder—A. H. Wilhelm, 666 Mission Street.
Architect—Martin A. Sheldon, 819 Monadnock Bldg.
Structural Engineer—Felix H. Spitzer, 2001 Pierce Street.

2— BONDS

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until August 6, bids will be received by the Santa Clara county board of supervisors for sale of $18,000 imprvement bnds of the Los Gatos Elementary School District. Proceeds will be used in repair and reconstruction of the school auditorium.

BIDS REJECTED

SAN FRANCISCO. — A syndicate composed of R. H. Moulton & Co., Anglo-California National Bank, Security First National Bank, Dean Witter & Co., and Heller, Bruce & Co., submitted the only bid to the Board of Supervisors for $2,659,000 in water bonds and $260,000 in airport bonds. The bids was offered at par plus a $1 premimum, provided the bonds carry a 4% interest, and was rejected by the Board.

No bids were received on the $3,500-000 Hetch Hetchy bonds and the $1,-500,000 sewer bonds.

3— CHURCHES

Contract Awarded

RECTORY Cost, $25,000
VALLEJO, Solano Co., Cal., Sacramento street, between Florida and Kentucky streets.
Two-story and basement frame and brick veneer rectory (18 rooms); steam heating system, slate or composition shingle roof.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco .
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Heating — Scott Co., 113 Tenth St., Oakland.
Plumbing—Dowd-Welch, 3558 Sixteenth St., San Francisco.
Electrical—Alta Elec. Co., San Francisco.
Building will be occupied by St. Vincent's Ferrer Church (Rev. Father Butler, Rector), Vallejo.

4 — FACTORIES & WAREHOUSES

Owner Taking Bids.

DISTILLERY Cost, $10,000 (excluding equipment)
ESCALON, San Joaquin Co., Cal.
One-story wood frame and corrugated iron distillery (wood trusses, concrete floors, composition roof).
Owner—Petri Wine Co., Battery and Vallejo Sts., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

MATERIAL BIDS BEING TAKEN

RICHMOND, Contra Costa Co., Cal.—The W. G. Kellogg Co., 225 Broadway, New York City, receiving bids from California firms for steel, tanks, vessels, etc., for the construction of a combination atmospheric and vacuum pipe still with a capacity of 21,-000 lbs. per day and for the construction of a re-run still at the Richmond Standard Oil Refinery. Work includes furnaces for heating oil, steel towers, pumping equipment, distillation equipment, etc. Estimated cost of work complete, is $1,750,000. Construction will start in thirty days. D. W. Wilson, 200 Bush St., San Francisco, is representing the company in San Francisco.

To Be Done By Day's Work.

ADDITION Cost, $25,000
FRESNO, Fresno Co., Cal. No. 2310 Railroad Avenue.
Addition to present winery (building 92x44x176 ft. to contain sales offices and display room, fortifying room, new still, etc.) capacity of 300,000 gallons.
Owner—G. Maselli & Sons, Inc., 2310 Railroad Ave., Fresno.
Architect — E. W. Peterson, Mason Bldg., Fresno.
Work will be done by day's work under segregated contractors on a cost plus basis.

To Be Done By Day's Work.

WINERY Cast, $——
ELK GROVE, Sacramento Co., Cal.
Construct concrete addition to winery 75x100 feet), 400,000 gallon cooperage.
Owner—Elk Grove Vineyard Assn. (1 Kubel, Secretary).
Architect—Not Given.

Plans Being Prepared.

ADDITION Cost, $100,000
SEATTLE, Washington. 3100 Airport Way.
Masonry addition to cellar of brewery (40,000 bbls capacity).
Owner — Century Brewing Co. (Carl Heigenmooser, Plant Supt.)
Architect — Joseph Wohleb, Chambers Bldg., Olympia, Wash.

PLANNED

MAYWOOD, Los Angeles Co., Cal.—McCloskey Varnish Co., Philadelphia, Pa., has purchased a two-acre site at 4575 E. Slauson Ave., near Maywood, on which the company proposes erecting a $150,000 plant and warehouse. Several buildings already are located on the property, but additional ones are to be erected. McCloskey Company manufactures technical varnishes, driers and granding finids used by paint manufacturers.

Cotract Awarded

COMPRESSOR HOUSE Cost, $1,500
OAKLAND, Alameda Co., Calif., West Portal End of Broadway Tunnel.
One-story compressor house.
Owner—Six Companies of California, P. O. Box 120, Berkeley.
Architect—Not given.
Contractor—C. Dudley DeVelbiss Co., 354 Hobart St., Oakland.

BIDS OPENED

SARATOGA GAP, Santa Cruz Co.—Theodor Johanns, 2020 Fifteenth St., San Francisco, at $6890 submitted the low bid to Department of Public Works, Division of Highways, 211 State Bldg., San Francisco, for the erection of maintenance station buildings at Saratoga Gap. Contract includes one standard truck shelter (valley type, 30x80 feet) one standard gasoline and oil house, one loading platform, one septic tank and leaching field, one pump house with pump and water pressure system. Work comprises excavation, concrete and masonry, carpentry, mill work, sheet metal, painting, glazing, plumbing and electrical installations.

Complete bids:

Theodor Johanns, San Francisco $6890
A. Soda & Son, Oakland..... 7891

PLANNED

FALLBROOK, San Diego Co., Cal.—Fallbrook Citrus Association, Fallbrook, contemplates erecting a new packing plant at Beech St. and the railroad tracks, Fallbrook, to cost $30,000.

CONTRACT AWARDED

LOS ANGELES, Cal.—D. A. Loorais, 676 W. Salem St., Glendale, at $5358 awarded contract by the State Department of Public Works, Division of Highways, for erecting maintenance station buildings at Los Angeles County Park, consisting of one truck shelter (mountain type) one gasoline and oil house, and one 1000-gal. gasoline tank.

PREPARING PLANS

VENTURA, Calif.—Architect Roy C. Wilson, 112 S. Mill St., Santa Paula, has completed working drawings for the first unit of a packing plant to be erected one and one-half miles east of Montalva, Ventura county, for the Saticoy Lemon Assn.; Albert J. Thille, president, Santa Paula. Plans will go out to a selected list of bidders July 25 and bids will be opened August 2. The building will have a reinforced concrete basement reinforced concrete and tile side walls sawtooth type roof construction with wood trusses and steel purlins, maple flooring, mechanical ventilation, composition roofing, steel sash, low pressure steam boilers, etc. Estimated cost $45,000.

BIDS OPENED

OAKLAND, Calif.—D. A. Pancoast 26 O'Farrell St., San Francisco, at $2-416 for Item A (furnishing and installing 16 steel rolling doors (and at $522 for Item B (furnishing and installing two fire doors) submitted low bid to Oakland Port Commission, Oakland Doors are to be installed in Terminal

Warehouse "E" now under construction at Outer Harbor.
Complete bids follow:
D. A. Pancoast, San Francisco, (A) $2416; (B) $522; (total) $2938.
Kinnear Mfg. Co., San Francisco, (A) $2579; (B) $522; (total) $3101.
Cornell Iron Works, Inc., (C. J. Waterhouse, San Francisco, Northern California Rep.) (A) $2604; (B) $545; (total $3149.
Rolph Mills & Co., San Francisco, (total) $3599.
Bids held under advisement until next meeting of Commission on July 23.

Additional Sub-Contracts Awarded
WAREHOUSE Cost, $25,000
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse (concrete work, steel sash, etc.)
Owner—Edward J. Neil.
Architect—Dodge Riedy, Pacific Bldg.
Lessee—Hyman Rosenthal, 850 Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.
Structural Steel—Western Iron Works, 141 Beale Street.
Steel Rolling Doors—Acme Partition Co., Call Bldg.
Plumbing—F. W. Snook, 596 Clay St.
Heating—Skelly & Kohler, 1342 Ninth Avenue.
Miscellaneous Iron—Patterson & Koster, 280 13th Street.
Electrical—Collonan Electric & Mfg. Co., 3201 Mission St.
As previously reported, lumber contract awarded to Loop Lumber Co., Central Basin; steel sash, reinforcing steel to Soule Steel Co., 1750 Army St.

Sub-Contracts Awarded
SHOP & SALESROOM Cost, $5000
SAN FRANCISCO. NE O'Farrell and Taylor Streets.
Alter tire shop and construct 1-story Class C salesroom.
Owner—Larry Barrett, % contractor.
Architect—Not Given.
Contractor Barrett & Hilp, 918 Harrison Street.
Steel Building—Michel & Pfeffer Iron Works, Inc., 10th and Harrison.

Sub-Contracts Awarded
ALTERATIONS Cost, $30,000
SPRECKELS, Monterey Co., Calif.
Alterations and additions to refinery (add one-story of brick, concrete and structural steel construction).
Owner—Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel—Judson - Pacific Co., 609 Mission St. ,San Francisco.

Sub-Contracts Awarded
WAREHOUSE Cost, $30,000
MANTECA, San Joaquin Co., Calif.
One - story brick and structural steel warehouse (60x130 ft.) wood roof.
Owner—Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel—Judson - Pacific Co., 609 Mission St., San Francisco.
Steel Sash & Reinforcing Steel—Soule Steel Co., 1750 Army Street, San Francisco.

6—GARAGES & SERVICE STATIONS

Planned.
SERVICE STATION Cost, $——
MONTEREY, Monterey Co., Cal. SE Del Monte Ave. and Washington Street.
Brick service station (stucco work, etc.)
Owner—Standard Oil Co., St. Claire Bldg., San Jose.
Plans by Engineering Dept. of Owner.

Sub-Contracts Awarded
SERVICE STATION Cost $.....
STOCKTON, San Joaquin Co., Cal., NW cor. Miner Ave. and Wilson Way.
Steel Service Station.
Owner—Standard Oil Co., California Bldg., Stockton.
Architect—Plans by Engineer Dept. of owner.
Contractor — S. C. Giles, 121 West Knowles Way; Stockton and Independent Iron Works, 121 Pine St., Oakland.
Masonry—David J. DePaull, 982 Pleasant avenue, Stockton.
Plumbing—W. T. Jack, Stockton.
Electric Wiring—Square Electric Co., 1536 S. Grant st., Stockton.
Millwork and Lumber—Fisher Brothers Lumber and Mill Co., 48 N. Wilson Way, Stockton.

Contract Awarded.
SERVICE STATION Cost, $1800
BERKELEY, Calif —1 849 Shattuck Ave. One-story, 2-room, class C Service Station.
Owner—J. Halperin, 147 Lake Ave.-Berkeley.
Architect—Not Given.
Contractor—The Pfeiffer Co., 6221 Bromley St., Oakland.

7—FEDERAL BUILDING

CONTRACT AWARDED
EDIZ HOOK, Wash.—Pioneer Construction Co., Seattle, awarded contract by U. S. Coast Guard at $96,-900, for construction of structural stael and masonry seaplane hangar, approximately 120x100 feet, with steel sliding doors at the front. two leanto extensions, each approximately 20x100 feet with concrete footings, foundations and floors, complete with modern improvements; a creosoted timber and pipe seaplane ramp approximately 50x196 feet; dredging, concrete turning platform, runway ramps, apron and retaining walls and accessories for the Coast Guard at Port Angeles Air Station, Ediz Hook, Wash. Geo. Hess, who submitted the low bid, withdrew his offer.

BIDS OPENED
SAN FRANCISCO—Original Cabinet Co., at $196.80 submitted low bid to Custodian, U. S. Post Office, San Francisco, for furnishing two lobby tables for the post office in San Francisco.
Complete bids follow:

Original Cabinet Co.	$196.80
R. Brandelin	327.00
H. Schulte & Son	330.00
Thomas M. Jones	371.00
Ostlund & Johnson	425.00
Frank Starrett, Washington	465.00
John Smith	494.00
Mullen Mfg. Co.	487.00

SEATTLE, Wash.—Until August 7, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for furnishing and installing two artificial ceilings and plastering, etc., in the U. S. Marine Hospital, Seattle. Specifications may be obtained from above office or from the Custodian, Marine Hospital, Seattle.

BIDS WANTED
WINSLOW, Ariz.—Until August 15, 3 p. m., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the U. S. Post Office in Winslow, Ariz. Appropriation for the building is $49,-500.

TO SELECT SITE
GRANTS PASS, Ore.—Bids are being received until July 23, 9 a .m., by C. H. Massie, postmaster, Grants Pass, Ore., for a site for the proposed postoffice. The building will cost about $150,000.

BIDS WANTED
PEARL HARBOR, T. H.—Until August 29, bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for fireproof ceiling in storehouse extension at the Naval Fleet Air Base, Pearl Harbor, T. H. Specification 7700. Deposit for plans $10.

PROSPECTIVE BIDDERS
SAN DIEGO, Cal.—Plans for Senior Medical Officers' Quarters to be constructed at the U. S. Quarantine Station in San Diego for which bids will be received by the Treasury Department July 31 (as previously reported) have been issued to the following:
Robert E. McKee, Central Building, Los Angeles.
William Spivock, Hobart Bldg., San Francisco.
Wm. MacDonald Const. Co., 38299 W. Pine Blvd., St. Louis.
K E. Parker Co., 135 South Park, San Francisco
Schuler & McDonald, 1723 Webster St., Oakland.
Dinwiddie Const. Co., Crocker Bldg., San Francisco.
Building will be a two-story wood frame structure with siding exterior, wood shingle roof, low pressure one-pipe steam heating system, etc.

CONTRACT AWARDED
SAN FRANCISCO.—Diamond Match Co., Chico, at $1513.36 awarded contract by the U. S. Forest Service, 85 Second Street, San Francisco, for furnishing one ready-cut building for the Feather River District station. Bids were opened July 16.

BIDS OPENED
GALLUP, New Mexico.—Kane Mfg. Co., Kane, Pa., at $499.93 submitted low bid to Treasury Department for insect screens in the U. S. Post Office at Gallup. Complete bids follow:

Kane Mfg. Co., Kane, Pa.	$499.93
Chamberlin Metal Weatherstrip Co., Detroit	$520.12
Johnson Metal W'ks Co., Washington, D. C.	526.00
Ceco Weatherstrip & Screen Co.	533.18
Cincinnati Fly Screen Co., Cincinnati	588.28
Watson Mfg. Co., Jamestown, New York	600.90

BUILDING MATERIALS APPROVED
LOS ANGELES, Calif.—The Public Works Branch, Procurement Division, Treasury Department, has approved the following equipment for installation in Quarantine Station Buildings 1, 2, 3 and 4, Los Angeles. Contractor Chas. T. Montague, Los Angeles; gas water heater, Hollywood Water Heater Company.

CONTRACT AWARDED
SAN DIEGO, Cal.—As previously reported, Los Angeles Contracting Co. and C. G. Wopschall, 4816 West Pico Blvd., Los Angeles, at $238,550 awarded contract by Bureau of Yards and Docks, Navy Department, Washington D. C., for the construction of seven hangars at the Naval Operating Base (Air Station), San Diego. Work includes structural steel, brick, tile work steel windows, plumbing and electrical systems. Spec. No. 7295-A.

Complete bids follow:

Los Angeles Contr. Co., Los Angeles	(1)	$378,000
	(2)	11,500
	(3)	5,900
	(4)	250
	(5)	2,200
	(6)	2,000
	(7)	4,700
M. H. Golden, San Diego	(1)	$384,557
	(2)	9,982
	(3)	5,909
	(4)	181
	(5)	2,500
	(6)	2,000
	(7)	5,500
H. Mayson, Los Angeles	(1)	$385,600
	(2)	10,300
	(3)	5,153
	(4)	121
	(5)	2,777
	(6)	1,400
	(7)	6,000
B. O. Larsen, San Diego	(1)	$389,900
	(2)	9,700
	(3)	5,000
	(4)	200
	(5)	3,200
	(6)	2,300
	(7)	5,922
Lynch-Cannon Co., L. A.	(1)	$393,500
	(2)	9,750
	(3)	5,550
	(4)	150
	(5)	2,750
	(6)	1,500
	(7)	5,400
Robt. E. McKee, L. A.	(1)	$394,600
	(2)	9,775
	(3)	5,100
	(4)	225
	(5)	3,300
	(6)	1,400
	(7)	5,930
G. F. Campbell Bldg. Co., San Diego	(1)	$396,433
	(2)	10,180
	(3)	5,320
	(4)	200
	(5)	5,224
	(6)	2,380
	(7)	6,380
H. M. Baruch Corp., L. A.	(1)	$399,726
	(2)	9,552
	(3)	5,057
	(4)	217
	(5)	4,027
	(6)	1,350
	(7)	6,035
Geo. Hess, Los Angeles	(1)	$409,600
	(2)	8,300
	(3)	5,200
	(4)	140
	(5)	2,800
	(6)	1,400
	(7)	5,200
Fred E. Potts Co., L. A.	(1)	$410,000
	(2)	10,200
	(3)	5,150
	(4)	150
	(5)	2,700
	(6)	1,300
	(7)	6,500
K. E. Parker Co., S. F.	(1)	$412,000
	(2)	10,100
	(3)	5,600
	(4)	200
	(5)	3,300
	(6)	2,150
	(7)	5,700
Theo. A. Beyer Corp., L. A.	(1)	$416,000
	(2)	12,000
	(3)	6,100
	(4)	200
	(5)	3,700
	(6)	1,400
	(7)	5,900
Murch Bros. Const. Co., San Diego	(1)	$478,000
	(2)	10,500
	(3)	6,400
	(4)	250
	(5)	4,000
	(6)	1,500
	(7)	6,000

8— CLUB BUILDINGS

Contract Awarded.

CLUBHOUSE Cost, $6000

OAKLAND, Alameda Co., Cal. Glenfield Ave. near Park Blvd.

One and two-story frame clubhouse.

Owner—Glen View Women's Club, 4912 Park Blvd., Oakland.

Plans by V. N. Strang, 1521 Ninth St., Alameda.

Contractor — Fred Hambleton, 1005 Chatham Road, Oakland.

Planned

CLUB HOUSE Cost, $15,000

FRESNO, Calif., Italian Entertainment Park.

Replace clubhouse recently destroyed by fire.

Owner—Verdi Club (Joseph Ochinero, President, Fresno.

Architect—Not given.

FIRE LOSS

SAN FRANCISCO.—Roof Garden Cafe, 504 Broadway, damaged by fire. Estimated loss, $50,000.

9— HOSPITALS

BIDS WANTED

MADERA COUNTY, Calif. — Until August 7, 2 P. M., bids will be received by the Madera County Board of Supervisors for the sale of $70,000 in general obligation bonds, proceeds of which are to be used in construction of a County Hospital and Almshouse at Madera. A PWA grant of $27,000 has been allocated to the project. Architect Ernest J. Kump, Rowell Bldg., Fresno, is preparing plans.

Plans Being Completed

ADDITIONS Cost, $6000

MARYSVILLE, Yuba Co., Calif.

Refinishing & improvements to bldgs. for new men's ward and new isolation ward (brick walls, cement and plaster exterior, alterations and additions to heating plant)

Owner—Yuba County (F. W. Loehne, chairman of the Board).

Architect—Charles Dean, California State Life Bldg., Sacramento.

Bids will be asked shortly. •

PLANNED

TUCSON, Ariz.—Executive board of the Southern Methodist hospital and sanatorium, Tucson, has recommended the construction of a 60-bed addition to the hospital, the new unit to be strictly modern throughout. L. J. Cox, Phoenix, is president of the institution and Rev. W. J. Sims, Tucson, is superintendent.

Commissioned To Prepare Plans

HOME Cost, $100,000

EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.

Construction of new home for orphan Chinese boys (2-story reinf. concrete structure to accommodate 75).

Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephert Supt.)

Architect—Frederick Reimers, 233 Post St., San Francisco.

BIDS WANTED

SEATTLE, Wash.—Until August 7, at 2 p. m., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering, etc., in the U. S. Marine Hospital at Seattle, Washington.

Drawings and specifications may be obtained from Custodian of the building or at above office. W. E. Reynolds, Assistant Director of Procurement, Public Works Branch.

13— PUBLIC BUILDINGS FIRE HOUSES A JAILS

To Ask Bids In About One Week

ALTERATIONS Cost, $40,000

WEAVERVILLE, Trinity Co., Calif.

Alterations and additions to present two - story brick court house and construction of two-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)

Owner—County of Trinity.

Architect—Jens C. Petersen, 826 26th Street, Sacramento.

This project is financed in part by PWA funds and contractors are subject to PWA regulations. •

Preliminary Plans Being Prepared

AUDITORIUM Cost, $400,000

FRESNO, Fresno Co., Cal. Fresno St.

Two - story concrete municipal auditorium (to seat 2000; stage, dressing rooms, etc.)

Owner—City of Fresno.

Architects—W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz and E. W. Peterson, Fresno.

Consulting Architects—Chas. Butner & Edward Glass, 175 N. Fulton St., Fresno.

This project is financed in part by PWA funds and contractors are subject to PWA regulations. •

BIDS OPENED

OAKLAND, Cal.—United Iron Wks., 580 Second St., Oakland, at $1500 submitted low bid to the Oakland City Council for boiler tubes for the Municipal Auditorium, Oakland. Only other bid was submitted by the Crane Company, San Francisco, at $1518.16. Bids held under advisement.

BONDS FOR SALE

FRESNO, Fresno Co., Cal.—County of Fresno will sell bonds in the amount of $280,000 on August 17th. Funds are to assist in financing construction of a 3-story Class A steel frame and concrete Hall of Records on Van Ness Ave. and Tulare St., Fresno, for the county. Plans are being prepared by Architects W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump and E. W. Petersen, all of Fresno PWA approved grant of $120,000 to assist financing

Contract Awarded

COURTHOUSE Cost, $125,721

VISALIA, Tulare Co., Cal.

Four - story reinforced concrete addition to present structure (50x100) steam heating plant, steel sash elevator, dampproofing, granite exterior plaster, metal studs, vaults, hardwood trim, insulation, composition roofing.

Owner—County of Tulare.

Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.

Sub - contracts will be announced shortly.

Complete bids follow:

Frank J. Reilly, S. F.	$125,721
Dinwiddie Constr. Co., S. F.	127,970
W. J. Ochs, San Jose	129,710
Stroud Brothers & Seabrook, Bakersfield	136,561
Carl N. Swensen, San Jose	145,027
Schuler & McDonald, Oakland	149,947

FUNDS GRANTED

SANTA CLARA Co.—Public Works Administration has changed a loan and

grant of $185,500 allocated to the county of Santa Clara for construction of a new jail to a grant only of $52,000. Further action on the project is delayed until the county board of supervisors decides whether or not to propose a bond issue for the balance of the estimated cost.

TO ASK BIDS

PETALUMA, Sonoma Co., Calif.—Petaluma city council has authorized the city clerk to advertise for bids for removal of the town clock and tower from the Masonic building and for making necessary repairs to the building.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $6000
FRESNO, Fresno Co., Cal. No. 805 Yale Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—G. Gorgoorian, 3138 Illinois St., Fresno.
Architect—Not Given.
Contractor—G. C. Walker, 437 Cornell St., Fresno.

Contract Awarded
RESIDENCE Cost, $7,000
SAN JOSE, Santa Clara Co., Calif. 1515 Calaveras Avenue.
Two - story and basement frame and stucco residence (8 rooms).
Owner—Paul Aubineau, 1475 Calaveras Ave., San Jose.
Architect—Not Given.
Contractor—Geo. Kocher, 90 S. Third St., San Jose.

Sub-Bids Wanted
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Cragmont Ave. and Grizzly Peak Blvd.
Two - story frame, brick veneer and redwood siding residence (6 rooms) shingle roof, gas heating system, hardwood floors, tiled bath.
Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Preliminary Sketches
DWELLING REMODELING Cost, $——
Carlton Ave., Berkeley
Modernization.
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor—Owner has selected contractor, name withheld.

CONTRACT AWARDED

SAN PEDRO, Los Angeles Co., Cal. —Contracting Engineers, Inc., 2310½ W. Vernon St., Los Angeles, at $7630 awarded contract by Superintendent of Lighthouses, San Francisco, for construction of a dwelling at the San Pedro Lighthouse Station.

Sub-Contracts Awarded.
RESIDENCE Cost, $16,850
BERKELEY, Alameda County, Calif. Parnassus Road.
Two-story and basement frame and stucco residence (9 rooms).
Owner—Mrs. Angela W. Roth, 668 Calmar St., Oakland.
Architect—Howard Burnett, 931 Hillcrest Circle, Oakland.
Contractor — George J. Maurer, 50 York Drive, Piedmont.
Mill Work—National Mill & Lumber Co., 400 High St., Oakland.
Lumber—Tilden Lumber Co., foot of University, Berkeley.
Plumbing— J. Fazio, 402 Castro St., Oakland.
Plastering — Herman Thorndyke, 2450 E. 21st Street, Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Heating—Grady Sheet Metal Works 2112 McKinley, Berkeley.
Roofing—General Roofing Co., 3985 Beach, Oakland.
Steel Sash—Detroit Steel Products, 63rd and Doyle, Emeryville.
Building Material — Hughes Bldg., Material Co., 1001 Ashby Ave., Berkeley.
Floor—Inlaid Floor Co., 4067 Watts Oakland.

Contract Awarded.
RESIDENCE Cost, $3,100
OAKLAND, Calif., 1827 108th Ave.,
One-story, 6-room dwelling and one story garage.
Owner—Jas. B. Grubb, 1801 109th Avenue, Oakland.
Architect—Not Given.
Contractor—Owner.

Low Bidder
RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park.
Two - story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Helman, 605 Market St., San Francisco.
Young and Horstmeyer, 461 Market St., San Francisco, submitted the low bid. Contractor will be asked to submit new figures on revised plans to reduce cost.

Bids In—Under Advisement
ALTER RESIDENCE Cost, $——
SAN FRANCISCO, 1909 Vallejo St.
Alterations to residence (complete alterations to interior and exterior, work includes plumbing, painting, plastering, electrical work, etc.)
Owner—A. M. O'Neill.
Architect—Kent & Hass, 525 Market.
Bids received from a selected list of contractors, held under advisement.

CONTRACT AWARDED

TUCSON, Arizona — M. M. Sundt Constr. Co., Tucson, Ariz., awarded contract at $67,000 for the erection of a large residence on Wilmot Road, Tucson, for Miss Florence L. Pond, % of the Desert Sanatorium, Tuscon. Plans prepared by Architect Grosvenor Atterbury, 139 E. 53rd St., New York City.

CONTRACT AWARDED

TUCSON, Ariz.—Bailey & Mc-Coy, Tucson, Ariz., awarded contract for erection of a large residence in El Encanto Estates, Tucson, for Dr. Clarence H. Gardner of Providence, Rhode Island.

SUB-BIDS WANTED

PEBBLE BEACH, Monterey Co., Cal.—Rollin F. Pierson, 6763 Hollywood Blvd., Los Angeles, desires bids from northern contractors only on concrete work and plastering for a 12-room residence to be built at Pebble Beach for a client.

Low Bidder
RESIDENCE Cost, $——
BERKELEY Alameda County, Calif. Spruce Street.
One-story frame and shingle residence (5 rooms and 1 bath) gas heating system, shingle roof, hardwood floors, etc.
Owner—George P. Adams.
Architect—W. W. Wurster, 260 California St., San Francisco.
Low Bidder—Frank Appelbe, 2405 Acton St., Oakland.

Preparing Working Drawings.
RESIDENCE Cost, $12,000
SAN ANSELMO, Marin Co., Cal.
Two-story frame nd stucco residence (8 rooms, 3 baths) wood shakes roof, tiled baths, hardwood floors, etc.
Owner—F. M. Hansen.
Architect — Farr & Ward, 68 Post St., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3727 Elston Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.

Sub-Bids Being Taken
RESIDENCE Cost, $——
SAN CARLOS, San Mateo Co., Calif. Brittain Acres, Cedar Street.
Two one-story frame and stucco residences (5- and 6-rooms) tile and shingle roofs, tiled baths, gas heating system, hardwood floors).
Owner—Brittain Acres, San Carlos.
Architect—Not Given.
Contractor—J. W. Rutherdale, Phelps Road, San Carlos.

Bids Opened.
RESIDENCE Cost, $——
HEALDSBURG, Sonoma Co., Cal.
One-story and basement frame and stucco residence (five rooms); tile roof, hot air heating system, hardwood floors, tile bath, etc.
Owner—L. S. Sayre, Healdsburg.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Low Bidder—Heitz & Witter, Healdsburg.
Following bids received:
Heitz & Witter, Healdsburg.....$8081
Roy Sawtelle, Healdsburg..... 8648
Young & Horstmeyer, S. F..... 8700
Bids held under advisement.

Sub-Contracts Awarded
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. 45 Washington Avenue.
Two-story frame and stucco residence
Owner—E. J. Reed, 833 Forest Ave., Palo Alto.
Architect—Not Given.
Contractor—Aro & Okerman, Box 433 Palo Alto.
Masonry — C. Mezzapelli, 343 Hawthorne Ave., Palo Alto.
Heating—Stanford Sheet Metal Works, Palo Alto.
Plumbing—Wallace & Stump, 455 Hop St., Mt. View.
Mill Work—Minton Lumber Co., Mt. View.
Structural Steel and Windows—Soule Steel Co., 1750 Army Street, San Francisco.
Sheet Metal—Stanford Sheet Metal Works, Palo Alto.
Painting—C. R. North, 135 Churchhill Ave., Palo Alto.
Plastering—E. J. Silva, Menlo Park.
Glass and Glazing—Acme Glass Co., Palo Alto.
Lumber—Palo Alto Lumber & Roofing Co., Palo Alto.
Grading and Excavation—Nels Johnson, 823 Santa Rita Ave., Palo Alto

Planned.
ADDITION Cost, $——
PALO ALTO, Santa Clara Co., Cal. Stanford University.
Addition to fraternity house.
Owner—Delta Chi Fraternity, Campus of Stanford University, Palo Alto
Architect—Not Given.
Proposed work is in a very preliminary stage.

Sub-Contracts Awarded.
RESIDENCE Cost, $25,000
KENTFIELD, Marin Co., Cal.
Two-story frame and stucco residence (10 rooms and 3 baths) 2-car ga-

rage, gas oil heating system, colored tile baths, steel sash, etc.
Owner—Mr. Huber.
Architect—H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland.
Lumber—Hess Lumber Co., San Rafael.
Mill Work—Lannom Bros. Mfg. Co., 5th and Mangolla Sts., Oakland.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda County, Calif. Spruce Street.
One-story frame and shingle residence (5 rooms and 1 bath) gas heating system, shingle roof, hardwood floors, etc.
Owner—George P. Adams.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor — Frank Appelbe, 2405 Acton St., Oakland.
Heating — Aladdin Heating Co., 5107 Broadway, Oakland.
Mill Work — Western Door & Sash Co. and Clinton Mill & Lumber Co., Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Plumbing—Carl T. Doell, 467 21st St., Oakland.

15— SCHOOLS

Plans Being Figured—Bids Close Aug. 1st, 8 P. M.
AUTO SHOP Cost, $6000
SALINAS, Monterey Co., Calif. High School Site.
One-story wood frame auto shop bldg. (steel columns and trusses, composition roof; 60x80 ft.)
Owner—Salinas Union High School District.
Architect—Charles E. Butner, 51 Maple St., Salinas.
Plans, specifications and proposal forms available at the office of the architect and the clerk of the board, Melrowe Martin; returnable deposit, $5.00.

BIDS REJECTED
WESTMINISTER, Los Angeles Co., Cal.—The Westminister School Dist. rejected all bids received July 10 by the State Board of Public Building Reconstruction for reconstructing, rehabilitating and strengthening the Westminister school. Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, have been invited by school district to prepare preliminary plans for an entire new building to compare with possible plans for the rebuilding the old structure. Cost of a new building estimated at between $25,000 and $30,000.

Bids Opened
REPAIR SCHOOL Cost, $52,460
SAN FRANCISCO. Twelfth Ave. and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.
Low Bidder—DeLuca & Son, Inc., 320 Market Street, $52,460.
Complete bids follow:

DeLuca & Son, Inc.	$52,460
J. Harold Johnson	53,717
William Spivock	54,170
F. Amoroso & Son	54,694
A. L. Petersen	58,500
C. L. Wold	58,555
O. Monson	59,800
Anderson & Ringrose	59,931

BIDS WANTED
RED BLUFF, Tehama Co., Cal.—Until July 25, 7:30 P. M., bids will be received by Camille H. Hart, Clerk, Red Bluff Grammar School District, for finishing interior of the auditorium, stage and heating system of the Lincoln Grammar School, Red Bluff. P. L. Dragon and C. R. Schmidts, 3016 Telegraph Ave., Berkeley, Architects. Plans and specifications may be obtained from the architects or from the Clerk of the Board upon deposit of $10. Certified check for 10 per cent of amount bid required.

BIDS OPENED
ALBANY, Alameda Co., Cal.—Following bids received by Albany School District Directors for construction of reinforced concrete basement up to first floor line with concrete floor slabs and temporary roof. Architects Dragon and Schmidts, 3016 Telegraph Ave., Berkeley.
Proposal 1: for rough concrete work.
Proposal 2: add for temporary roof
Proposal 3: add for finishing basement concrete.
Proposal 4: add for plumbing.

E. T. Leiter & Son, 811 37th St., Oakland	(1)	$7637
	(2)	687
	(3)	3487
	(4)	737
C. M. Norgrove, 220 Roosevelt St., Berkeley	(1)	$7825
	(2)	765
	(3)	2924
	(4)	1036
Geo. Peterson, San Leandro	(1)	$8241
	(2)	1125
	(3)	3905
	(4)	1098
A. Soda & Son, Oakland	(1)	$8427
	(2)	1263
	(3)	3800
	(4)	953
Geo. Swanstrom, Oakland	(1)	$9094
	(2)	582
	(3)	2814
	(4)	1070
Albany Cement Contractors, Albany	(1)	$9595
	(2)	1650
	(3)	3995
	(4)	1000

Heating
Scott Co., 113 Tenth St., Oakland, $570.00.
Pacific Heating & Ventilating Co., Builders Exchange, Oakland, $665.00.
George Bell Co., Oakland, $682.00.
Carl T. Doell Co., Oakland, $737.00.

Electric
Scott-Buttner Electric Co., 19 Grand Ave., Oakland, $685.00.
Fred Schmits, Oakland, $703.00.
Matson-Seabrooke Co. Oakland, $713.
Bids held under advisement until July 24.

Plans Awaiting Approval
SCHOOL Cost, $9000
DUNNIGAN, Yolo Co., Calif.
One-story wood frame grammar school
Owner—Dunnigan School District.
Architect—Charles Dean, California State Life Bldg., Sacramento.

BIDS WANTED
TERRA BELLA, Tulare Co., Cal.—Until July 23, 8 P. M., bids will be received by Terra Bella Grammar School District for the installation of plumbing in the grammar school. Plans and specifications may be obtained from W. C. Bradford, Terra Bella, or from Frank O. Sheldon, 205 South Main St., Porterville, or at the office of the architect, W. D. Coates, Jr., Rowell, Bldg., Fresno.
Bids were received previously June 29.

PREPARING PLANS
LAGUNA BEACH, Orange Co.—Architects Allison & Allison, 1014 Edison Bldg., Los Angeles (MI 1901), have been commissioned by the Laguna Beach School District to prepare plans and specifications for structures necessary to complete the high school and grammar school project at Laguna Beach. A bond issue of $75,000 was recently voted by the district. S.E.R.A. funds have been applied for to be used in connection with the erection of a second tennis court that is planned for the school site.

PREPARING PLANS
ONTARIA, San Bernardino Co., Cal.—Architect Harry L. Pierce, 1443 Mt. Pleasant St., Los Angeles, is completing working drawings for a women's gymnasium building to be erected at Chaffey Junior College, Ontario, for the Chaffey Union High School District. The building will be a part one- and part two-story structure, 100x150 feet, and will house a health unit in addition to the gymnasium. It will have reinforced concrete walls, structural steel frame, steel roof trusses, composition roofing, steel sash, concrete and hardwood floors, etc. Estimated cost $65,000. Application has been made to the SERA for funds with which to finance the labor. Part of the materials have been purchased, the remainder to be bought as the work progresses. Construction will probably be started this fall.

BIDS WANTED
LOS ANGELES, Calif.—Until 11:30 a. m., August 6, bids will be received by Los Angeles Board of Education for reconstructing, rehabilitating and strengthening building No. 1 at Virginia Road School. Work will consist of removing third story of building, constructing new wood and composition roof, and recostructing walls and interior of the remaining portions of the building to conform to State code. Plans were prepared by Architect Robert H. Orr, 1300 Corporation Bldg., and Structural Engineer K. McC. Beanfield, 615 Chamber of Commerce Bldg. Cost $38,082.

July 17, 1934

BONDS VOTED
REDONDO BEACH, Los Angeles Co., Calif.—Grant School District affirmed a $35,000 bond issue, proceeds to be used for financing the erection of a new auditorium and class room building in Shore Acres, near Redondo Beach. The building will be a one-story structure, containing 10 rooms, auditorium, office and storage facilities; frame and stucco construction, composition roofing, etc. Architects Marsh, Smith & Powell, 816 W. 5th St., Los Angeles. It is planned to use SERA labor. Cost $95,000.

Grant Approved
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Calif.
One-story frame and stucco grammar school (five classrooms and recreation room).
Owner—Portola Grammar School District.
Architect—Harry Devine, California State Life Bldg., Sacramento.
PWA approved grant of $7,800 to assist in financing construction. Bids will be asked shortly.

Bids Rejected — New Plans to Be Prepared
ADDITION Cost, $——
Gonzales, Monterey Co., Calif. High School.
Shower Room Addition to Gymnasium of high school, (24x65 feet).
Owner — Gonzales High School District.
Architect—Plans by Mervyn Campbell, Gonzales.
Prices were $2,474.25 and $4,645.01, on the two bids received. Bids were rejected. Plans will be revised and new bids asked next year.

BIDS OPENED ....

SHOP Cost, $15,000
CLARKSBURG, Yolo County.
One-story frame shop building (concrete floor).
Owner—Clarksburg High School District, Clarksburg, Yolo County.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder — Charles Unger, 2426 Seventh Avenue, Sacramento, $14,182.
Complete bids:
Charles Unger, Sacramento.....$14,182
H. W. Robertson, Sacramento.... 15,216
F. H. Betts, Sacramento..... 14,578
Campbell Con. Co., Sacramento.. 15,224
F. H. Holdener, Sacramento..... 15,820

To Ask Bids Shortly

ADDITION Cost, $7000
LINDA SCHOOL DISTRICT, Yuba County.
Two-room addition, frame and stucco, composition shingle roof; oil-fired circulating heaters.
Owner—Linda School District.
Architect—Chester Cole, 4418 Second St., Chico, Cal.

PLANS COMPLETED

COLTON, San Bernardino Co., Cal. —Architect E. Charles Parke, 657 N. Eighth St., Colton, has completed working drawings for a one-story reinforced concrete grammar school (4 classrooms) to be erected in East Colton for the Colton School District. Plans will be sent to the state architect next week for approval. Will be a one-story structure, containing offices, lavatories and a store room, Reinforced concrete construction, composition shingle roof, gas radiators, etc. $25,000 bond issue voted in February.

BIDS WANTED

SAN FRANCISCO. — Until July 25, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for the exterior painting of the Portola Junior High School, Bacon and Girard Streets. Estimated cost, $2,500.
Specifications may be obtained from C. H. Sawyer, city architect, City Hall.

BIDS WANTED

SAN FRANCISCO. — Until July 25, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for the exterior painting of the Douglas School, 19th and Collingwood Streets. Estimated cost, $1,450.
Specifications may be obtained from C. H. Sawyer, city architect, City Hall.

BIDS WANTED

MARTINEZ, Contra Costa Co., Cal. —Until July 25, 8 P. M., bids will be received by P. D. Butcher, Clerk, Alhambra Union High School Dist., for painting exterior of the Alhambra Union High School and Gymnasium buildings in Martinez. Specifications prepared by Architect W. H. Weeks, 525 Market St., San Francisco,. Specifications may be seen at the office of the District Superintendent of Schools, Senior High School, Martinez.

Plans To Be Prepared.

REPAIR SCHOOL Cost, $18,000
LOS GATOS, Santa Clara Co., Cal.
Repairs and reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Bonds in the amount of $18,000 were voted recently.

CONTRACTS AWARDED

OAKLAND, Cal.—Following awarded contracts by Oakland Board of Education for the construction of ninety temporary classroom buildings for the Oakland Board of Education. W. G. Corlett, Bank of America Bldg., Oakland, architect:

Sequoia School: Lincoln Avenue and Scenic St. John E. Branagh, 116 Monticello St., Oakland (eight buildings); $7,980.

Cole School: Tenth and Union Sts. John M. Bartlett, 1706 Parker Street, Berkeley; (16 buildings), $17,746.

Roosevelt School: 19th Ave. and E. 19th St. Meyer Construction Co., 727 Portola Boulevard, San Francisco; (27 buildings), $29,485.

Webster School: 81st and Olive Sts. Kelly & Tulloch, 335 Eighth St.; (12 buildings), $12,208.

Burckhalter School: Burckhalter and Sunnymere Ave.; (5 buildings). **Toler Heights School:** Thermal Avenue and Scott Street, (four buildings) and **John Swett School,** Tompkins and Buell Sts. (two buildings). W. F. Lynn, 1037 Ashmount, $13,470.

Crocker Highlands School: Longridge and Sunnyhills Road (5 buildings), W. V. Bernard, 227 San Carlos, Berkeley, $5,195.

Montclair: Thorn Rd. and Mt. Blvd., (5 buildings). **Maxwell Park School:** Monticello and Fleming Avenues (3 bldgs.), and **Stonehurst School,** 103rd and Bigereau St. (3 buildings). W. F. Lynn, 1037 Ashmount, Oakland, $12,-870.

Complete bids follow:

Sequoia School

John E. Branagh, Oakland..... $ 7,980
A. E. Sater, Oakland..... 8,455
E. T. Leiter & Son, Oakland..... 8,467
W. J. Baker, Oakland..... 8,775
Ed. Larner & Sons, Oakland..... 9,688
Mark Bristol & Co., Oakland..... 9,800

Cole School

John M. Bartlett, Oakland.....$17,746
A. Cederborg, Oakland 23,900

Roosevelt School

Meyer Const. Co., S. F.....$29,485
W. G. Thornally, Oakland..... 31,820
A. Cederborg, Oakland..... 40,900

Webster School

Kelly & Tulloch, Oakland.....$12,208
Herbert K. Henderson, Oakland 12,998
H. J. Christensen, Oakland..... 13,684
W. G. Thornally, Oakland..... 14,448
Geo. Swanstrom, Oakland..... 15,036
Ed. W. Larmer, Oakland..... 15,553
A. Cederborg, Oakland..... 17,900

Burchkalter, Toler Heights and John Swett Schools

W. S. Lynn, Oakland $13,470

Crocker Highlands School

W. V. Bernard, Oakland.....$ 5,195
Alfred Olsen, Oakland..... 5,199
E. T. Leiter & Son, Oakland..... 5,267
A. Holyoak, Hayward..... 5,367
C. M. Norgrove, Oakland..... 5,475
John M. Bartlett, Oakland..... 5,670
David Nordstrom, Oakland..... 5,820

Montclair, Maxwell Park and Stonehurst Schools

W. F. Lynn, Oakland.....$12,870
Geo. Swanstrom, Oakland..... 13,686

BOND ELECTION ....

HEALDSBURG, Sonoma Co., Cal.—Healdsburg Grammar School District will hold an election on August 2 at which time they will vote bonds in the amount of $64,000 to finance construction of a one-story frame and stucco grammar school building to contain 13 classrooms, auditorium, cafeteria and lunch room in Healdsburg. John I. Easterly, 302 Grant St., Headsburg, Architect.

BOND ELECTION

BAKERSFIELD, Kern Co., Calif.—Bakersfield Union High School District will hold an election on Sept. 14, at which time bonds in the amount of $300,000 will be voted to finance construction of an auditorium at the high school. Proposed building will have a seating capacity of 3,000. Plans are being prepared by Architect Charles Biggar, Haberfelde Bldg., Bakersfield.

Bids Wanted—To Close August 7

ADDITION Cost, $8500
CHOWCHILLA, Madera Co., Calif.
One - story concrete addition to high school (add music room) tile roof.
Owner—Chowchilla Union High School District (Mrs. G. W. Hier, Clerk).
Architect—Howard Bissell, 327 East Channel St., Stockton.
PWA approved grant of $2,400 to assist financing.

16—BANKS, STORES AND OFFICES

PLANNED

LOS ANGELES, Cal. — California Fruit Growers' Exchange, Consolidated Bldg., Sixth and Hill Sts., contemplates erecting a height limit office building at Fifth and Hope Sts. City council has granted a zone variance for the site, authorization specifying that improvements must be under way within 180 days from the time the mayor signs the variance. Sketches prepared by Architects A. R. Walker and P. A. Eisen, Pacific Commerce Bldg., Los Angeles.

Contract Awarded.

STORE Cost, $——
RED BLUFF, Tehama Co., Cal. Walnut St., between Washington and Jefferson Streets.
One-story and basement store building (50x55 feet) reinforced concrete and steel construction, pressed brick front, etc.
Owner—Dr. F. L. Bailey.
Plans by Liston Ehorn, Red Bluff.
Contractor — Clifford O'Connor, Red Bluff.

Completing Plans

OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Westerly side El Camino Real at Stanford Avenue.
One - story reinforced concrete office building (45x75) to contain thirteen offices and clinical treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—Henry C. Collins, Decker Oak Bldg., Palo Alto.
Bids are to be asked in about one month.

Sub-Contracts Awarded

OFFICE BLDG. Cost, $5125
OAKLAND, Alameda Co., Cal. Foothill Blvd. and Brookdale Ave.
One - story frame and stucco doctor's office building (12 rooms) Pabco roof, 2 gas heating units, linoleum, mahogany and tile floors, etc.
Owner—Dr. Chas. B. Knowles, % Mr. Hertzka.
Plans by Hertzka & Knowles, 982 Bryant St., San Francisco.
Contractor—Charles W. Falk, 1520 E. 38th St., Oakland.
Heating and Plumbing—Max Finzell Plumbing Co., 2025 Hopkins St., Oakland.
Cement Work—F. Lopes, 915 Antonio St., San Leandro.
Steel Sash—Michel and Pfeffer Iron Works, Inc., Tenth and Harrison Sts., San Francisco.
Roofing—R. Tyler & Son, Oakland.
Sheet Metal—California Furnace Co., 4801 14th St., Oakland.
Lumber—E. K. Wood Lbr. Co., Frederick and King Sts., Oakland.
Window Shades — Western Door and Sash Co., Fifth and Cypress Sts., Oakland.

Contract Awarded.

ALTER STORE Cost, $11,000
FRESNO, Fresno Co., Cal. Fulton & Tulare Streets.
Remodel store and office building (general alterations, etc.)
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis Dunn, 424 Monadnock Bldg., San Francisco.
Sub-bids will be taken July 27.

Sub-Contracts Awarded.

ALTERATIONS Cost, $10,000
OAKLAND, Alameda Co., Cal. No. 3420-22 E-14th Street.
Alterations to store building.
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Flooring — Venor Co., 2059 Webster St., Oakland.
Painting—Allied Painting Co., -150 So. Park, San Francisco.
Cabinet Work—Lannom Bros. Planing Mill, Fifth & Magnolia Sts., Oakland.
As previously reported, electric work awarded to Scott Buttner Elec. Co., 23rd and Webster Sts., Oakland.

Contract Awarded

RESTAURANT Cost, $2000
SAN JOSE, Santa Clara Co., Calif. 800 Lenzen Avenue.
One-story frame restaurant.
Owner—Gertrude Seifert, 810 Lenzen Ave., San Jose.
Architect—Not Given.
Contractor—J. L. Clark, White Road, San Jose.

Contract Awarded

OFFICE BUILDING Cost, $1000
SAN FRANCISCO, 785 Market Street.
Alterations to office building.
Owner—Capital Company, 625 Market St., San Francisco.
Architect—Not given.
Contractor—Owner.

Contract Awarded

STORE ALTERATIONS Cost, $2350
REDWOOD CITY, San Mateo Co., Cal. 2600 Broadway.
Owner—Borden Daly Delivery Co. (H. A. Beeger, et al, 83 Duane St.)
Architect—Not Given.
Contractor—Gus Waller, 221 Hudson Street.

Contract Awarded

STORE Cost, $1000
SAN FRANCISCO, 1252-1254 Polk St.
Alterations to store.
Owner—L. & J. Hirsch, c-o contractor.
Engineers—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—J. S. Malloch, 666 Mission St., San Francisco.

Bid Opening Postponed Indefinitely

STORE & RESIDENCE Cost, $——
DALY CITY, San Mateo Co., Calif.
Two-story frame and stucco store and residence (2 stores and five-room residence).
Owner—Not Given.
Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Opening of bids has been postponed due to strike conditions.

Plans Being Figured—Bids Close July 24th, 2 P. M.

REMODELING Cost, $——
SAN FRANCISCO. 2231 Chestnut St.
Remodeling front of one-story frame store building to provide two entrances.
Owner—Stelling and Gould, Ltd., 155 Montgomery Street.
Architect—Bertz, Winter and Maury, Monadnock Building.

Prospective Bidders—Bids Close July 30th, 2 P. M.

REMODEL FOR STORES Cost, $10,000
SAN FRANCISCO. SE Polk and Green Streets.
Alterations for 4-story Class C store and apartment building, including some structural steel, plumbing, painting, plastering, etc.
Owner—Bothin Real Estate Co., 604 Mission Street.
Architect—Bertz, Winter and Maury, Monadnock Building.
Following is a partial list of prospective bidders:
Young & Horstmeyer, 461 Market St., San Francisco.
G. P. W. Jensen, 320 Market St., San Francisco.

17— THEATRES

Plans Being Prepared

ALTERATIONS Cost, $10,000
TRACY, San Joaquin Co., Cal. Central Ave. between 6th and 7th Sts.
Alterations to theatres (marque, heating, ventilating system, etc.)
Owner—Slack Interests (A. Grunauer and Rudolph Mohr, representatives San Francisco.
Alterations to theatres (marquee, heat. Commerce St., Stockton.
Contractor—C. A. Tornell, 26 Highland Ave., Tracy.

18— WHARVES & DOCKS

Plans Complete—Bid Opening Date Postponed Indefinitely

WHARF & SHED Cost, $725,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf (1740 ft. in length) wood piling, transit shed in four continuous units to contain 180,000 sq. ft. of floor space; steel frame, sheet metal siding, built-up roof.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, port director).
Opening of bids scheduled for July 17, 4 P. M., postponed indefinitely due to strike conditions. Contractors have been advised to hold plans until advised of new opening date. One week will be allowed for completing figures after new opening date is set.

19—MISC. CONSTRUCTION

TOTAL BIDS

SAN FRANCISCO. — Following are the preliminary totals issued by the Department of Public Works for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Streets:

Eaton & Smith	$42,131.00
Meyer Rosenberg	46,783.20
C. L. Wold Co.	53,643.01
Union Paving Co.	57,805.90
A. J. Raisch	94,383.19

Complete tabulation of unit bids published in Unit Price section.

BIDS WANTED

BAKERSFIELD, Kern Co., Calif. — Until July 23, 11 a. m., bids will be received by F. W. Smith, County Clerk, Board of Supervisors, for outdoor lighting system at the Kern County Fair Grounds, Bakersfield. Plans and specifications may be obtained at the office of the County Surveyor, Room 200, Court House, Bakersfield.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

SAN FRANCISCO.—Walsh Air Conditioner Co., Berkeley, at $550 awarded contract by U. S. Forest Service, 85 Second Street, San Francisco, for furnishing two air-conditioning units for office buildings at Weaverville and Northfork. Only other bid was submitted by Aladdin Heating Corp., San Francisco, at $940.

BIDS OPENED

LOS ANGELES, Calif. — Following bids received by the U. S. Forest Service, 751 S. Figueroa St., Los Angeles, July 16, for furnishing creosoted poles under Bid No. 376:

Joslyn Co., (1) $2,587.50 ;(2) $930; (3) $640.

Neidmeyer - Martin Co., (1) $2,850; (2) $1000; (3) $700.

J. H. Baxter & Co., (1) $3,262; (2) $1,150; (3) $695.

Graybar Electric Co., (1) $2,782; (2) $1,030; (3) $688.

Consolidated Lumber Co., (1) $2,805; (2) $1,006; (3) $623.

Texas Creosoting Co., (1) $2,775; (2) $1,030; (3) $688.

Chas. R. McCormick Lumber Co., (1) $3,150; (2) $1,140; (3) $720.

BIDS OPENED

SACRAMENTO, Calif.—San Joaquin Lumber Co., 12th and North B Streets, Sacramento, at $347 submitted low bid to Department of Public Works, Division of Architecture, Sacramento, for furnishing composition roofing for the Preston School of Industry. Other bids were: Bush Roofing Co., Sacramento, $353; Capitol Roofing Co., Sacramento, $360; Allan L. Burr Co., Sacramento, $426.

CONTRACT AWARDED

SAN FRANCISCO—K. Von Hacht, 110 Sutter St., at $855.05 awarded contract by the U. S. Forest Service, for furnishing 829 hand-male electric fixtures for various buildings for the U. S. Forest Service.

CONTRACT AWARDED

LOS ANGELES, Cal. — Southern California Gas Co., Los Angeles Gas & Electric Corp., and Southern Counties Gas Co., at $30,000 awarded contract by the Los Angeles Water & Power Commission for furnishing fuel gas under Spec. 1452.

CONTRACT AWARDED

SAN FRANCISCO.—K. Von Hacht, 110 Sutter Street, at $855.05 awarded contract by U. S. Forest Service, 85 Second St., San Francisco, for furnishing 829 hand-made electric fixtures.

CONTRACT AWARDED

SAN FRANCISCO.—Enterprise Foundry Corp., 2902 19th Street, at $.037 per pound, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing approximately 324 tons of cast iron bell and spigot pipe fittings, 16-in. and under, under Bid No. 1218.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

WAR DEPARTMENT

BIDS WANTED

FORT MASON.—Until July 26, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 928-4501-35, Memo 4408, for furnishing one air compressor unit, complete, air or water cooled; having a displacement of approximately 160 cu. ft. per min. and suitable for operating pressures of 100 lbs. per sq. inch.

Specifications obtainable from the above office.

FORT MASON, San Francisco.—Until July 24, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Schedule No. 928-35-10, for furnishing one velvet rug, size 8'3"x10'6"; one 10-qt. capacity motor-driven puree mixer; one 15-lb. capacity motor-driven vegetable peeler; and one cooks' table.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until July 23, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for 32 counter height steel filing cabinets for the Municipal Court. Specifications available from the above office.

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by T. A. Brooks, City Purchasing Agent, Room 270, City Hall, for furnishing visible filing equipment, steel lockers, hospital equipment, office furniture, beds and mattresses under Bid No. 1239.

Specifications obtainable from above.

STANISLAUS COUNTY

EMPIRE, Stanislaus Co., Cal.—Until July 25 bids will be received by the Board of Trustees of the Empire Union Grammar School, Empire, for furnishing one Model 1D Reo chassis or equal and one Patchetts & Carstensen all-steel double strength school coach body, Model No. 92-214 or equal, to accommodate 55 to 63 grammar school students.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE—Until August 31, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2979, for furnishing miscellaneous supplies, including: Structural steel shapes, steel plates and sheets, steel bars, sheet copper, copper-nickel-alloy sheets and rounds, copper bars, brass bars, sheet brass, zinc plates, wire rope, steel wire, guy wire, copper wire, iron or steel pipe, boiler tubes, brass pipe, copper pipe, screws, nails, staples, tacks, hand sprayers, paint pots, tackle blocks, scythestones, manila rope, rubber hose, electrode holders, jute twine, and portable well-drilling machine.

Specifications obtainable from above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE—Until July 31, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, as follows:

(1) 2,491 MFBM Southern yellow pine or Douglas fir lumber;
(2) 20,000 FBM Southern yellow pine or Douglas fir lumber (car decking);
(3) 150,000 l.f. Southern yellow pine or Douglas fir plain screening strips, dressed four sides;
(4) 100,000 l.f. Southern yellow pine or Douglas fir ¾-in. wide standard molding.

Specifications obtainable from above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco. Schedule 2980.

BIDS WANTED

PANAMA CANAL ZONE. — Until July 24, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2978, for furnishing miscellaneous supplies, including: 12 street light newels; 12 globe holders; 2 master clocks; 1 18" electric motor-driven lathe; 75 railway signal bonds; 26 electric lighting fixtures; twist drills; dies; hacksaw blades; chopping axes; brass or bronze relief valves; gas engine lubricators; copper measures; fiber brooms; loofa sponges; rod cup grease; paint thinner; carbolic acid, and copper sulphate.

Specifications obtainable from the above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until July 23, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1066, for furnishing the following:

(1) 40 cutting edges for Isaacson trail builder; 7-ft. 7½-in. long, 6-ft.x⅝-in. width and thickness.
(2) 120 do, for La Plant Chate trail builder; 8-ft. 11½-in. long, 6-in.x⅝-in. width and thickness.
(3) 24 do, for Master trail builder; 9-ft. 10-in. long, 8-in.x⅝-in. width and thickness.
(4) 2 cutting edges for Wooldridge trail builder; 11-ft. 3-in. long; 8-inx¾-in. width and thickness.
(5) 100 do, for Wooldridge trail builder; 8-ft. 6-in. long; 6-in.x⅝-in. width and thickness.

Specifications obtainable from above office.

Delivery f.o.b. bidder's shipping point.

GOVERNMENT ISLAND, Cal.—Until July 23, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

Bid No. 1078:

(1) 630 80-rod spools "Glidden" two-point barbed cattle wire, galvanized No. 12½ gauge;
(2) 800 lbs. 1¼-in. No. 9 gauge galvanized fence staples.

Delivery fob Holbrook, Arizona.

Bid No. 1077:

(1) 800 spools, 80 rods ea., "Glidden" 2-point barbed cattle wire, galvanized No. 12½ gauge;
(2) 200 lbs. 1¼-in. No. 9 gauge galvanized fence staples.

Delivery fob High Rolls, N. M.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until July 23, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1079, for furnishing and bending approximately 20 tons of reinforcing steel for the "Shasta Mud Flow Control." Delivery fob McCloud.

Specifications obtainable from above office. Further information obtainable from the Regional Engineer, Forest Service, 85 Second St., San Francisco.

LOS ANGELES COUNTY

LOS ANGELES, Cal.—Until July 30, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for reinforcing steel and Portland cement for a conduit to be constructed in Ballona Creek between La Brea Ave. and Redondo Blvd. Bids will be taken as follows:

Proposal No. 1—6,000 bbls. cement fob cars at mill;

Proposal No. 2—6,000 bbls. cement fob trucks at mill;

Proposal No. 3—for reinforcing steel involving:

(1) 120,000 lbs. 1-in. round deformed;
(2) 245,000 lbs. ⅞-in. do;
(3) 160,000 lbs. ¾-in. do;
(5) 6,100 lbs. ½-in. square deformed;
(6) 105,000 lbs. ⅝-in. round deformed;
(7) 740 lbs. ⅝-in. do;
(8) 100 lbs. plain.

E. C. Eaton, Los Angeles County Flood Control Engineer. Mame B. Beatty, Clerk of the Board.

BIDS WANTED.

LOS ANGELES, Calif.—Until August 8, 2:00 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 40, 207 S. Broadway, for furnishing lead covered paper insulated cable under Spec. 1455, as follows:

(1) 11,225 ft. 500,000 CM., 5000-volt, 3-conductor, lead-covered, paper insulated cable.
(2) 11,000 ft., 500,000 C.M., 5000-volt, 3-conductor, do.
(3) 11,000 ft. 500,000 C.M., 5000-volt, 3-conductor, do.
(4) 11,000 ft., 500,000 C.M., 5000-volt, 3-conductor, do.
(5) 3,000 ft. No. 6 AWG., 5000-volt, 3-conductor, lead-covered, paper insulated cable.
(6) 2,500 ft. No. 6 AWG., 5000-volt, one-conductor, do.
(7) 21,000 ft. 4/O AWG., 600-volt, one-conductor, do.
(8) 10,000 ft. 1/O AWG., 600-volt, one-conductor, do.
(9) 20,000 ft. No. 4 AWG., 600-volt, one-conductor, do.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

CHELAN COUNTY, Washington—T. D. MacNeil, Mt. Vernon, at $40,610 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, July 10, for constructing an undercrossing under the tracks of the Great Northern Railway Company, consisting of three 60 ft. plate girder spans; and for constructing a continuous reinforced concrete girder bridge 175 ft. long over Nason Creek, both on State Road No. 15, near Berne. F.P.W. Project 8331, in Chelan County. Complete bids follow:

T. D. MacNeil, Mt. Vernon	$40,610
MacKae Bros., Seattle	43,457
Butler Constr. Co., Seattle	45,909
D. Nygren, Seattle	46,564
Macri & Steffensen, Seattle	46,769
Bjork Bros. & Lind, Seattle	47,502
Gustafson & Olson Constr. Co., Seattle	48,242
S. G. Morin, Spokane	49,991
Sheble Constr. Co., Seattle	56,063

BIDS OPENED

SAN BERNARDINO COUNTY, Cal. Pacific Bridge Painting Company, 624 Sharon Building, San Francisco, at $7,804.00 submitted the low bid to the State Highway Engineer, State Building, Los Angeles, for cleaning and painting an overhead crossing over the tracks of the A. T. & S. F. Ry. in San Bernardino, consisting of a steel and concrete viaduct 1016 ft. in length. The work involves one lot cleaning and painting three coats on entire steel surface of structure.

Complete bids follow:

Pacific Bridge Painting Co.	$ 7,804
Geo. Hess, Los Angeles	11,875
G. C. Hweitt Co., Ltd., L. A.	11,900
Contracting Engrs., L. A.	17,992

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Until July 23, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1069, for furnishing and fabricating all structural steel for one bridge consisting of two 30-ft. skew beam spans, bolts for field connections, superstructure, and all miscellaneous steel portions necessary for erection for the Bear Creek Bridge, Klamath National Forest.

Delivery f.o.b. bidder's shipping point and/or f.o.b. Hornbrook, Calif.

Further information obtainable from the U. S. Forest Service Engineer, 85 Second St., San Francisco.

AWARD

YOLO & SACRAMENTO Cos., Cal.—George Pollock Co., P. O. Box 902, Sacramento, at $907,365 awarded the contract by the State Highway Commission, Sacramento, for the construction of a bridge across Sacramento river at "M" Street, Sacramento, consisting of one 209-ft. 6-inch through steel truss lift span; one 192-ft. 6-in. through steel truss fixed span; one 167-ft. 6-in. through steel truss fixed span, and four steel girder spans from 34- to 35-ft. in length.

CONTRACT AWARDED

FLAGSTAFF, Ariz.—N. G. Hill & Co. and H. L. Royden, 1145 W. Culver St., Phoenix, at $74,425.15 awarded contract by Arizona State Highway Commission, Phoenix, for constructing a railroad underpass in Flagstaff, NRM 21; AFE 507. The work includes incidental grading, draining, and paving.

BIDS WANTED

MENDOCINO County.—Until August 14, 2 P. M., bids will be received by the Mendocino County Board of Supervisors, County Court House, Ukiah, H. M. Burke, County Clerk, for the following construction:

(1) Constructing a new 150' steel span bridge over Berger Creek to replace the old wooden structure which spans the stream at a point about 5 miles east of Laytonville between that point and Dos Rios.

(2) Construction of approximately 1300' of proposed Union Landing Road from Engineer' Station 17 plus 00 to Station 31 plus 00, involving:

(a) 12,732 c. y. unclass. excav., including all clearing;

(b) Overhaul, per c. y., for each 100 ft. in excess of the first 1,000 ft .from point of operation.

Plans and specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until August 6, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Courthouse Bldg., Sacramento, for the construction of a reinforced concrete bridge on the Hack road, located between the Upper and Lower Stockton Road.

Plans and specifications obtainable from County Engineer John J. Rooney, upon deposit of $10.00.

July 18, 1934

CONTRACT AWARDED

KINGS COUNTY, Calif.—Robert D Paterson, 1911 San Andres St., Santa Barbara, at $12,745 awarded contract by the State Highway Commission, Sacramento, for the construction of two timber bridges at points approximately 23 and 25 miles south of Fresno; one consisting of eleven 19-foot spans on pile bents, and the other consisting of three 19-ft. spans on frame bents.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACTS AWARDED

LONG BEACH, Cal.—Merritt-Chapman & Scott Corp., 730 Wilmington Road, San Pedro, awarded contract by the Union Pacific Railway for the removal of the substructure of the bascule bridge across the Long Beach Inner Harbor entrance.

F. L. Holser & Co., 761 S. Sierra Bonita Ave., Los Angeles, awarded contract for removal of the superstructure.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

COCO SOLO, C. Z.—Until August 8, 11 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of an earth-filled steel sheet pile pier with ducts and service piping, and removal of existing timber pier at the Naval Submarine Base at Coco Solo: Spec. No. 7731.

Plans and specifications obtainable from the above office and from the Commandant, 15th Naval Dist., Balboa, C. Z., upon deposit of $10.

TO BEGIN WORK

SAN DIEGO, Calif. — City Manager Lockwood has notified the City Council that test borings for the proposed Ocean Beach fishing pier will be started at once. The proposed pier, to be built at the foot of Del Monte St., will cost $17,000.

23—IRRIGATION PROJ.

FUNDS ALLOTTED

YUMA, Arizona—A PWA allotment of $3,000,000 for the continuance of work on the All-American Canal was approved by Harold L. Ickes, Secretary of the Interior, July 12.

This is in addition to the original $6,000,000 allotment.

COMPLETE BIDS

ADRIAN, Oregon. — MorrisonKnudsen Company, Post Office Box 1518, Boise, Idaho, at $88,939.00 submitted the low bid to the Bureau of Reclamation, Ontario, Ore., for the construction of earthwork, tunnel, and structures, Kingman Lateral and Sublaterals KL-9.3 to KL-10.0, inclusive, Mitchell Butte Division, Owyhee Project, Oregon-Idaho, under Spec. 577. The work is located near Adrian, Ore.

Complete bids follow:

Morrison-Knudsen Co., Boise	$88,939
J. A. Terteling & Sons, Boise	93,665
Monarch Const. Co., Ontario	97,091
Barnard-Curtiss Co., Minneapolis, Minn.	97,031
General Const. Co., Seattle	120,872
Guthrie-McDougall, Portland	122,593
Chas. H. Leonard	143,479
D. H. Ryan, Grand Coulee	145,607

All bids held under advisement.

LOW BIDDERS

FAIRFIELD, Montana. — Lease and Leigland, Great Falls, Mont., at $36,-Leigland, Great Falls, Mont., at $36,861 submitted low bid to Bureau of Reclamation, Fairfield, Mont., for construction of earthwork and structures, Mill Coulee Canal, Station 256 to Station 326, and lateral enlargements and extensions, Greenfields Division, Sun

River Project, Montana; Spec. No. 578.

Morrison-Kundsen Co. Boise, at $43-905 and Threet Bros., Lovell, Wyo., at $45,588 submitted second and third low bids, respectively.

FUNDS ALLOTTED

ONTARIO, Ore.—The PWA has allotted $1,500,000 to the Bureau of Reclamation for continning work on the Owyhee Irrigation Project.

The work yet to be done consists of the completion of construction of canals and canal structure for irrigation distribution system.

24—STREET LIGHTING SYSTEMS

BIDS WANTED

BAKERSFIELD.—Until July 23, 11 A. M., bids will be received by the Kern County Supervisors for constructing an outdoor lighting system for the two ball fields for the Kern County fair grounds on North Chester Ave., Bakersfield.

Specifications obtainable from the above office.

F. E. Smith, clerk of the Board

BIDS OPENED

SAN FRANCISCO. — Union Paving Co., Call Bldg., San Francisco, at $36,412 submitted low bid to the Public Utilities Commission, Room 287 City Hall, for the installation of an ornamental lighting system on Tenth, Bryant, Harrison and Fell Streets (Contract No. 5 L & P).

Complete bids follow:

(A) Union Paving Co. $36,412
(B) Globe Electric Works 38,580
(C) Enterprise Electric Works .. 38,677
(D) Victor Lemoge 38,940
(E) H. S. Tittle Company 38,998
(F) Central Electric Co. 39,310
(G) Severin Electric Co. 39,565
(H) H. C. Reid & Co. 39,640
(I) Superior Electric Co. 39,780
(J) West Coast Electric Works 39,904
(K) Kuchel & Sievers Electric Works 39,995

All bids held under advisement.

All bidders of San Francisco.

BIDS WANTED

YREKA, Siskiyou Co., Calif.—Until August 2, 7:30 P. M., bids will be received by the Yreka City Council, U. F. Brown, city clerk, City Hall, for furnishing and installing 42 lighting standards on Main Street in Yreka.

Specifications obtainable from above office upon deposit of $2.50.

25—MACHINERY AND EQUIPMENT

PLANNED

BUTTE CO., Calif. — Butte County Board of Supervisors has approved tentatively a budget of $175,140 for the county road department, provision being made for purchase of a cold mix plant, two 12,000 gallon gasoline storage tanks, an electric welder and a 1½-ton truck. County Engineer J. A. Bumgarner.

BIDS OPENED

SAN BERNARDINO, Cal.—Following bids received by the State Bureau of Purchases, Sacramento, for one motor graded fob San Bernardino; Quotation 409; Req. 1433:

Brown Bevis, $3,713.50, alt. $4,269.-50. Freeland Tractor & Equipment Co. $3,911.

Identical bids at $3,791 were submitted by J. D. Adams, Smith, Booth, Usher and Austin Western Road Machinery Company.

BIDS OPENED

OAKLAND, Cal.—Following bids received by East Bay Municipal Utility District, Oakland, July 11, for furnishing one gasoline motor-driven tandem roller under Proposal 530:

Spears-Wells Mach. Co., Oakland, $4,422.87 (Buffalo-Springfield). Price to be $4,315 if delivery is allowed 7 days late. Discount of $86.30, cast in 30 days.

Austin-Western Road Mach. Co., S. F., $4,465 (Austin). Less 2% 30 days.

BIDS OPENED

OAKLAND, Cal.—Following bids received by East Bay Municipal Utility District for one 2½-ton power crane:

Garfield & Co., San Francisco, $5,-219 (Bay City).

E. R. Bacon Co., San Francisco, $4,-210 (Byers).

Spears - Wells Mach. Co., Oakland, $5,720 (Michigan).

Norris K. Davis, Inc., San Francisco, $5,750 (Hanson).

BIDS OPENED

OAKLAND, Cal.—Following bids received by East Bay Municipal Utility District under Proposal 545 for furnishing one ladder type trenching machine:

Harron, Rickard & McCone, S. F., $6,975 (Parsons Model 31). Alt. $9,-350 (do Model 135).

Garfield & Co., San Francisco, $9,-500 (Austin 420).

Harnischfeger Sales Corp. San Francisco, $9,635 (P&H).

A. L. Young Mach. Co., San Francisco, $10,143 (Buckeye Type C Model 201). Alt. $11,643 (do, Diesel engine).

BIDS OPENED

OAKLAND, Calif.—Following bids received by the East Bay Municipal Utility District, Oakland, for furnishing one 7-ton power crane under Proposal 548:

Spears-Wells Mach. Co., Oakland, $4,976.68 (General); alts., $5,357 (General); $7,612 (Invincible. Less 2% discount for cash on price quoted less freight..

Edward R. Bacon, S. F., $7,114 Byers No. 65); alts. $7,854 (Byers, No. 65); $3,884 (Byers No. 65).

Norris K. Davis, Inc., S. F., $7,165.10 (Hanson No. 42); alts. $7,965.10 (Hanson No. 42)*; $6,259.40 (Hanson Co., 42-L); $7,059.40 (Hanson No. 42-L.*) Lifting capacity of Hanson No. 41-L is 7 tons at 10 foot radius on 30 foot boom.

Garfield & Co., S. F., $7,205 (Bay City No. 38); alt., $7,955 (Bay City No. 38*).

Jenison Mach. Co., S. F., $5,980 (Orton No. 5). Body built of steel members instead of steel casting.

A. L. Young Mach. Co., S. F., $10,-290 (Lima No. 302; alt., $11,345 (Lima No. 302*). Less 2% discount for cash in 15 days.

Associated Equipment Co., S. F., $7,116 (Universal-Lorain No. 40); alt., $10,042.57 (Universal-Lorain No. 45). Less 2% discount for cash in 15 days.

Harron, Rickard & McCone Co., S. F., $5,904 (Insley Type R).

Harnischfeger Sales Co., S. F., $7,-028.01 (P. & H. No. 300A) less $127.26 discount 15 days; alt. $7,-578.01 (P. & H. No 300A Oil Engine). Less $138.26 discount, 15 days.

*Diesel Engine.

26—RAILROADS

LOAN ASKED

VIRGINIA CITY, Nev.—The Sutro Tunnel Coalition, Inc., has applied to the R. F. C. for a loan of $100,000 to finance the cost of re-routing tracks of the Truckee and Virginia City Railroad in order to permit the working of a valuable ore deposit. The railway will be re-routed around the ravine now crossed by a trestle.

28—FIRL EQUIPMENT

PLANNED

MONTEREY COUNTY, Cal.—Monterey County Board of Supervisors has fixed August 2 as the date for a special election to authorize formation of the Salinas Rural Monterey County Fire Protection District. The following have been nominated as directors Henry F. Agostini, Paul A. Brindeiro, Grover C. Tholcke, Clarence Nielsen and Frank L. Martin.

FIRE DISTRICT

IRVINGTON, Alameda Co., Calif.—Alameda County Board of Supervisors has set September 11 as the tentative date for an election in the Irvington School District or. a proposal to form the Irvington Fire Protection District. R. J. Wright of Irivington filed a petition with the board signed by property owners asking the election.

BIDS REJECTED

OAKLAND, Cal.—All bids received by the Oakland City Council, June 26, for furnishing one city service fire truck for the City Fire Department have been rejected and new bids will be called.

30—RESERVOIRS & DAMS

FUNDS ALLOTTED

BONNEVILLE, Ore.—The PWA has allotted an additional $11,000,000 to the Bonneville Power & Navigation Project on the Columbia river.

30

CONTRACT AWARDED

GRAND COULEE, Wash.—Silas Mason Co., Inc., 500 Fifth Ave., New York City, at $29,339,301.50 awarded contract by the U. S. Bureau of Reclamation, Civic Bldg., Spokane, for the construction of the Grand Coulee Dam and Power Plant.

COMPLETE BIDS

FT. PECK, Mont.—McDowell-Cooley Gravel Co., 910 Midland Building, Kansas City, Mo., at $2,362,500, delivery at Fort Peck, submitted low bid to the U. S. Engineer Office, Kansas City, for furnishing 1,750,000 cu. yds. of gravel for upstream and downstream toes of dam in lots of 70 cars or more. Complete bids follow:

McDowell-Cooley Gravel Co., Kansas City, $2,362,500; shipping point, Wiota, Mont., freight included. (Will furnish cars).

Becker County Sand & Gravel Co., Crosby, Minn., and J. L. Shiely Co., St. Paul, Minn., $1,050,000; shipping point, Cole, Mont., freight, $1,575,000.

Stevens Bros., St. Paul, Minn., $2,-800,000; shipping point, Wiota, Mont.; freight included. Discount ½%.

L. Romano Engr. Corp., Seattle, Wash., $1,522,500; shipping point, Rock Island, Wash., freight, $26,453,280.

Interior Const. Co., Kansas City, Mo., $2,870,000; shipping point, Porcupine Creek, Mont., freight included.

Bids held under advisement.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN FRANCISCO — Until July 25, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the construction of sewers and appurtenances in Sixth Street, between Howard and Brannan Streets. The work involves:

(1) 597 lin. ft. 5-ft. 6-in. circular reinforced concrete sewer;

(2) 1213 lin. ft. 5-ft. 0-in. circular reinforced concrete sewer;

(3) 610 lin. ft. 3-ft. 6-in. x 5-ft. 3-in. reinforced concrete sewer;
(4) 692 lin. ft. 3-ft. 0-in. x 4-ft. 6-in. reinforced concrete sewer;
(6) 165 lin. ft. 12-in. vitrified clay pipe sewer;
(6) 1 junction structure of reinf. concrete in crossing of 6th and Folsom Streets;
(7) 1 junction structure of reinforced concrete in crosing of 6th and Harrison Sts.;
(8) 1 taper structure of reinf. conc.;
(9) 17 manholes on reinf. conc. sewer
(10) 12-inch by 8-inch wye or tee branches;
(11) 800 lin. ft. 6-in VCP underdrain, covered with concrete or embeded in broken rock;
(12) 1100 lin. ft. 8-in. VCP underdrain covered with concrete or embedded in broken rock;
(13) 1200 lin. ft. 10-in. VCP underdrain, do;
(14) 38,850 lin. ft. piles below cut-off;
(15) 100 lin. ft. 6-in. VCP side sewer;

Estimated cost, $140,000. The work will be financed by the $2,625,000 PWA allotment secured by bonds voted November 7, 1933.

Plans and specifications obtainable from City Engineer John J. Casey, Room 351, City Hall, upon deposit of $10.

PLANNED

ESCALON, San Joaquin Co., Cal.—Escalon Sanitary District plans to proceed with construction of a sewer line as a SERA project under an appropriation of $18,000 for labor. The district will purchase materials estimated at $12,000.

George A. Wallace, chairman of Commerce and director of Escalon Sanitary District.

BIDS OPENED

SALINAS, Monterey Co., Cal.—Windell & Berg, 802 28th Ave., San Francisco, at $2,595 submitted low bid to the Salinas City Council, F. E. Heple, City Clerk, for constructing a pumping station and for furnishing and installing centrifugal sewage pumps in Romie Lane, Salinas.

Complete bids follow:

Windell & Berg, San Francisco, $2,595; W. E. Greene, Salinas, $2,691 (Fairbanks-Morse equipment) and $2,920 (Byron-Jackson equipment); F. C. Carlsen, Salinas, $2,90; Anderson-Dougherty - Hargis Co., Salinas, $3,369.10.

BOND ELECTION

PETALUMA, Sonoma Co., Calif.—The Petaluma city council has set August 28 as the date for holding a special bond election to secure a PWA loan and grant of $325,000. The money will finance construction of a sewer system in Petaluma.

TO ASK BIDS

SAN DIEGO, Cal.—Bids will be asked shortly by the Bureau of Yards & Docks, Navy Dept., Washington, D. C., for construction of sewers, water and gas lines and electrical ducts, cables and equipment, at the Naval Operating Base (Air Station) San Diego, under Spec. No. 1425.

Specifications obtainable from the Commandant, 11th Naval District, ft. of Broadway, San Diego, upon deposit of $10.00.

CONTRACT AWARDED

SAN FRANCISCO.—R. B. McNair, 3745 Rhoda Ave., Oakland, at $15,689 awarded contract by the Department of Public Works, City Hall, for the construction of the Lake Street sewer invert from 24th Ave. and Lake St. to a point beyond 27th Ave. and Seacliff Avenue.

PLANNED

TIJUANA, Mexico.—The San Diego County Supervisors have submitted to the International Boundary Commission at El Paso a sketch of a proposed trunk sewer line from Tijuana to the ocean, as a preliminary to seeking Federal funds for the construction. The proposed line will be approximately five miles in length, of 24-in. diameter, and cost $88,000. It will have a capacity of 2,000,000 gals. per day. The present condition of the Tijuana sewage system is said to create a serious sanitary hazard on the American side. Preliminary drawings were prepared by Deputy County Surveyor Bert Moore.

CONTRACT AWARDED

PASADENA, Cal.—Miagenovich and Gillespie, 226 N. Doheny Dr., Beverly Hills, at $7,300 submitted low bid and awarded contract by the Pasadena City Board of Directors July 17 for the construction of a storm drain on East California St. between Fair Oaks Ave. and the Broadway storm drain, approximately 830-ft. in length.

Complete bids follow:

Miagenovich & Gillespie	$ 7,300
Gogo & Rados, L. A.	7,365
L. W. Odell, Los Angeles	8,162
F. B. Gridley, Pasadena	8,168
J. L. Kruly, Los Angeles	8,800
Artukovich Bros., Hynes	8,990
Bebek & Brkich, Los Angeles	9,498
Pacific Crane & Rigging, L. A.	9,675
John Grancich, L. A.	10,274

BOND ELECTION

PETALUMA, Sonoma Co., Calif.—Petaluma city council has set Aug. 28 as the date of a special election on a proposal to issue $325,000 in bonds for construction of a sewage disposal plant. The city has been allocated a grant of 30% of the cost of labor and materials for the project from PWA funds. L. H. Nishkian, San Francisco and Professor Charles Hyde, University of California, consulting engineers, have prepared preliminary reports on the project.

CONTRACT AWARDED

SALINAS, Monterey Co., Calif.—W. E. Greene, 32 Willow St., Salinas, at $2,691 (Fairbanks - Morse equip.) was awarded contract by the Salinas city council, F. E. Heple, city clerk, for constructing a pumping station and furnishing and installing centrifugal sewage pumps in Romie Lane, Salinas. Greene was second low bidder.

33— WATERWORKS

BIDS OPENED

OAKLAND, Cal. — Following bids received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing gate valves:

Jenkins Valve Distributors, San Francisco., Sched. (1) $13,490.16; Sched. (2) no bid.
A. T. Smith, (1) $9626.48.
Kennedy Valve Mfg. Co., San Francisco, (1) $10,793.34.
Water Works Supply Co., San Francisco, (1) $7760; (2) $8660.
Ludlow Valve Mfg. Co., San Francisco, (1) $8864; (2) $4810.
Chapman Valve Mfg. Co., San Francisco, (1) $7856; (2) $3815.
Columbia Iron Works, (1) $6044.40; (2) $3069.89.
Rensselaer Valve Co., San Francisco, (1) $8408.

All bids held under advisement. Proposal No. L.S. 129.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, under Proposal L.S. 128, for furnishing:

(1) Pipe and nipple;
(2) Pipe fittings;
(3) Collector pipe.

United Iron Works, Oakland, (1) $3,662.55; (2) $3208.25; (3) $9875.80, total, $16,746.48.
Phoenix Iron Works, Oakland, (1) $3664.75; (2) $3665.41; (3) $8978.40; total, $16,308.54.
Walworth California Co., San Francisco, (2) $3988.61.
Crane Co., San Francisco, (2) $3687.60
Grinnell Co. of the Pacific, San Francisco, (2) $3288.38.

All bids held under advisement.

BONDS DEFEATED

REDDING, Shasta Co., Calif.—The Redding electorate defeated the $260,000 bond issue for the purchase of the city water system at the special election held July 10 by a vote of 10 to 1.

The water system is now owned by the California Water Service Co.

The city council will probably proceed with plans for the construction of a municipal system.

BIDS WANTED

GILROY, Santa Clara Co., Calif.—Until July 30, 8 P. M., bids will be received by the Common Council of the City of Gilroy, E. F. Rogers, City Clerk, for furnishing pipe, fittings and materials for the construction of the transmission water line located within and without the City of Gilroy.

Specifications obtainable from above office.

BIDS WANTED

SANTA MONICA, Cal.—Until July 24, 10 A. M., bids will be received by the Santa Monica City Council for furnishing 10,000 ft. 6-in. and 2500 ft. 4-in. cast iron pipe to meet AWWA requirements.

Col. H. C. Sanborn, Commissioner of Public Works.

BIDS OPENED

OAKLAND, Cal.—Steel Tank & Pipe Co. of California, 1100 4th St., Berkeley, at $2768 submitted low bid to the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., under Spec. No. 127, for furnishing and erecting one 250,000 gal. steel storage tank. The other bids were:

Berkeley Steel Constr. Co., Inc., $2,972.50.
California Steel Products Co., San Fancisco, $3165.
Boiler Tank & Pipe Co., Oakland, $3,254.
Independent Iron Works, Oakland, $3,452.

All bids held under advisement.

BIDS OPENED

FRESNO, Fresno Co., Cal.—Following bids received by the Fresno City Council July 16, for furnishing one deep well turbine pump complete, to be installed at Water Department Station No. 7, Huntington and Raisina Streets:

Fresno Irrigation Works, $2,822.72.
Peerless-Bean Sales & Service, Fresno, $2,826.09.
Wintroath Pumps, Ltd., Fresno, $2,827.94.
Kimball - Krogh Pump Co., Fresno, $2,758.97 plus tax.
Layne & Bowler Corp., Fresno, $2,758.97 plus tax.

The bids of the Johnston Pump Co., Fresno; Byron-Jackson, Berkeley, and Sterling Pump Corp., Stockton, were rejected as they did not conform to specifications.

The bids were referred to Commissioner of Public Works Jean L. Vincenz, Claude Weeks, Water Superintendent, and City Attorney Claude L. Rowe.

CONTEMPLATED

TORRANCE, Los Angeles Co., Cal.—Decision to sell the $400,000 water bond issue at private sale instead of waiting for approval of a PWA application for a loan and grant, has been reached by members of the Torrance City Council.

Plans and specifications for the proposed improvements were prepared by the City Engineer, Frank Leonard, with the assistance of Salisbury, Bradshaw & Taylor, consulting engineers, who estimated the cost August 1, 1933 at $357,517. The engineers state that increases in the cost of materials and labor will increase the estimated cost by $23,000.

Negotiations with a view toward the purchase of the Torrance Water, Light & Power Co.'s water system have been re-opened by city officials who have had several conferences with water company officials. However, Mayor Scott Ludlow states that the system must be built and that early consummation of one or the other of the plans before the council may be expected.

The engineer's estimate, subject to revision as indicated above, and as prepared in August, 1933, follows:

WATER PRODUCTION

Drilling of two 16-in. wells about 700-ft. in depth, in the west part of town, $19,103.

Two deep well turbine pumps 200-ft. column, 2,000,000-gal. daily capacity including pump house, $6,493.

Pipe line from well to reservoir, 2,200-ft. 14-in. Hume centrifugal concrete pipe, $4,840.

Sand trap or eliminator, $1,207.

Aerator and equipment, $4,582.

Purification equipment, $4,070.

WATER STORAGE

Reinforced concrete dual type reservoir, 5,000,000-gal. capacity, 295x171 ft. 20-ft. deep, with 4-in. Gunite walls and wooden roof, $44,672.

WATER DISTRIBUTION

Booster pumps, 2,000,000-gal. day capacity turbine pumps, including valve fittings, $5,033.

Elevated steel pressure tank of 250,000-gal. capacity with steelt ower 150 ft. in height, $22,880.

Distribution pipe, $174,475, as follows:

8,290	4-in. cast iron pipe;
74,085	6-in. cast iron pipe;
25,370	8-in. cast iron pipe;
5,020	10-in. cast iron pipe;
13,125	12-in. cast iron pipe;
1,685	16-in. cast iron pipe.

Total, 127,575 ft.

1,560 services, $20,592.

150 fire hydrants, $7,755.

1,560 meters, $28,314.

Purchase of land, $13,500. 33

BIDS WANTED

BONNEVILLE, Ore.—Until July 24, P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse Portland, Major C. F. Williams, District Engineer, under Bid Nos. 33-15, for the construction of a water supply and sewer system for the permanent quarters for Government employees at the Bonneville Dam.

The water system includes construction of a water supply, storage and distributing system for domestic service and fire protection for the permanent quarters, including a 24,400-gal. capacity storage tank, excavation and backfill of all trenches for underground pipe lines, and all pipe.

The sewer system includes construction of the system complete, including main, lateral and outfall sewers, special outlet pipe, manholes and other appurtenances.

The work involves:

(1) 1,660 c.y. sewer and water trench excavation, common;
(2) 190 c.y. sewer and water trench excavation, rock;
(3) 1 each 14,400 gallon wood storage tank and tower;
(4) 2,000 l.f. 6-in. cast iron pipe;
(5) 180 l.f. 8-in. cast iron pipe;
(6) 420 l.f. laying 8-in. cast iron pipe (furnished by the Govt.);
(7) 8 each fire hydrants;
(8) 1,340 l.f. 1¼-inch copper tubing house service;
(9) 34 each 1¼-in. bronze corporation cocks, installed;
(10) 20 each 1¼-in. bronze stop and waste cocks, installed;
(11) 1,050 l.f. 6-in. sewer pipe (clay or cement);
(12) 2,030 l.f. 8-in. do;
(13) 240 l.f. 8-in. standard screw joint steel pipe;
(14) 8 each concrete manholes;
(15) 3,600 lbs. cast iron stand. fittings;
(16) 5 each 6-in. iron body gate valves
(17) 1 each 8-in. body gate valve;
(18) 20 c.y. concrete footings for tank
(19) 34 each brass service clamps for 6- and 8-in. pipe.

Plans and specifications obtainable from the above office.

BIDS OPENED

VENTURA, Ventura Co., Cal.—California Steel Products Co., 452 Bay St., San Francisco, at $1597 submitted low bid to Department of Public Works, Division of Architecture, Sacramento, for furnishing and installing one 60,000-gallon steel water tank at the Ventura School for Girls, near Ventura.

Complete bids follow:

California Steel Prod. Co., S. F.	$1597
Lacey Mfg. Co., Los Angeles	1842
Chicago Bridge & Iron Co., S. F.	2130
Consolidated Steel Corp., L. A.	2160
Western Pipe & Steel, S. F.	2244
Pittsburgh Des Moines Co., S. F.	3030

BIDS OPENED

SAN LUIS OBISPO CO., Cal.—Pacific Tank & Pipe Co., 230 California St., San Francisco, at $1007 submitted only bid received to Department of Public Works, Division of Architecture, Sacramento, for furnishing one redwood water tank for the Morro Bay State Park in San Luis Obispo County.

34—PARKS AND PLAYGROUNDS

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—Twelve identical bids at $1818 received by Constructing Quartermaster, Hamilton Field, for furnishing and installing approximately 734 lin. ft. of fence, two 20-ft. gateways and one 26-ft. gateway (consisting of four 10-ft. gates and two 13-ft. gates) at Hamilton Field. Bids were taken as follows:

(1) work complete with chain link fence;
(2) alternate proposal to construct steel picket fences in place of chain link fences.

Following submitted identical bids at $1818 on Proposal (1): Pittsburg Steel Co., Munthe Equipment Co., California Wire Colth Co., Anchor Post and Fence Co., Michel and Pfeffer, Wayne Iron Works, Los Angeles Fencing Co., Stewart Iron Works, Standard Fence Co., Wickwire Spencer Steel Co., Pacific Fence Construction Co., Trask & Squier Co.

Following bids received on Proposal (2):

Michel & Pfeffer, S. F.	$2200
Los Angeles Fencing Co., L. A.	2370

BIDS OPENED

SAN FRANCISCO—Identical bids at $49.00 were submitted to the Board of Public Works for fencing at Guadulupe School, Cordova and Prague Streets by the following: Michel and Pfeffer, Standard Fence Co., Anchor Post Fence Co., Kamlan Fence Co.

29—STREETS AND HIGHWAYS

BIDS WANTED

CLARK COUNTY, Nev.—Until July 30, 2 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer Heroes Memorial Bldg., Carson City, for constructing a portion of the State Highway System, including a timber bridge, in Clark County between the junction with Route and Logandale, Route 12, Section K1, a length of 6.12 miles.

The work involves:

(1) 37 acres, clearing and grubbing;
(2) 59,000 c.y. roadway excavation;
(3) 48,100 yd. sta. overhaul;
(4) 33,860 c.y. select borrow;
(5) 550 c.y. struc. excav.;
(6) 6.10 miles subgrade;
(7) 17,400 c.y. crushed gravel or stone surface;
(8) 67 c.y. Class B concrete;
(9) 1,370 lbs. reinforcing steel;
(10) 330 lin. ft. 15-in. corru. metal pipe
(11) 480 lin. ft. 18-in. do;
(12) 838 lin. ft. 24-in do;
(13) 654 lin ft 30-in do;
(14) 128 lin ft. 36-in. do;
(15) 132 lin. ft. 48-in. do;
(16) 36 lin. ft. remove culvert fence;
(17) 7,7566 lin. ft. remove fence;
(18) 7,671 lin ft. reconstruct fence;
(19) 1 each move pipe culvert headwalls;
(20) 1 each remove bridge;
(21) 56.0 M. ft. b.m. redwood;
(22) 2,160 lin. ft. treated piles;
(23) 54 each, drive treated piles;
(24) 375 sq. yds. asphaltic plank surf.;
(25) 1 each, remove building;
(26) 56 each monuments;
(27) lump sum, remove power line;
(28) 6.12 miles, finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5, $2.50 returnable, and on file at the office of the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until August 6, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Courthouse Bldg., Sacramento, for the construction of an asphalt macadam pavement on the Lower Stockton Road.

Plans and specifications obtainable from County Engineer John J. Rooney, upon deposit of $10.00.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until July 30, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, County Courthouse, San Jose, for paving portions of certain streets in San Jose, as follows:

Northrup Street, 2,100 feet.
Fruitdale Ave., 800 ft.
Pedro Street, 2,700 ft.
Paula Street, 2,400 ft.
Sunol Street, 860 ft.
Saveker Street, 800 ft.

The work involves:

(1) 187,150 sq. ft. 2-in. asph. concrete pavement;
(2) 16,900 sq. ft. 2½-in. asph. concrete pavement;
(3) hauling and placing 2,000 sq. yds. quarry waste (furnished by the county).

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.00.

Henry A. Pfister, Clerk of Board.

(Continued on Page 20)

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

LOS ANGELES COUNTY — BRIDGES — (STATE)

LOS ANGELES COUNTY, Cal.—B. O. Larsen, 1340 E St., San Diego, at $70,961.80, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for the construction of a bridge across San Gabriel River consisting of five 59-ft. and two 19-ft. 6-in. reinforced concrete girder spans on concrete piers with pile foundation, and eleven 19-ft. and two 15-ft. timber trestle spans on timber pile bents; and for the construction of a bridge across Coyote Creek consisting of one 42 ft. reinforced concrete girder span on concrete piers with pile foundation and two 19-ft. timber trestle spans on timber pile bents, in Los Angeles County. The work involves

(1) 550 cu. yds. channel excavation;
(2) 2,275 cu. yds. structure excav.;
(3) 14,630 lin. ft. furnished treated Douglas fir piles, inc. test piles;
(4) 488 each driving do;
(5) 2,133 cu. yds. Class A Portland cement concrete structures;
(6) 238 cu. yds. Class A do pavement
(7) 342,300 lbs. bar reinf. steel;
(8) 1,140 lbs. cast steel;
(9) 11,500 lbs. structural steel;
(10) 100 MFBM redwood timber, dense select, all-heart struc. grade;
(11) 62 MFBM do, select, all-heart structural grade;
(12) 1 lot misc. items of work.

Total bids follow

(A) B. O. Larsen, San Diego, $70,-961.80.
(B) George Mittry, Los Angeles, $71,-069.94.
(C) Parish Bros., Hollywood, $71,-283.70.
(D) Oscar Oberg, Los Angeles, $76,-472.67.
(E) Sharp & Fellows Constracting Co., Los Angeles, $76,512.30.
(F) Southern California Roads Co., Los Angeles, $1,474.90.
(G) Bannister-Field Co., Ltd., and Fred E. Potts Co., Los Angeles, $81,634.70.
(H) David J. Reed and Joseph Maiser, Los Angeles, $81,654.
(I) Lindgren & Swinerton, Los Angeles, $82,093.20.
(J) Person & Thiele, Los Angeles, $82,164.71.
(K) Kemper Constr. Co., Los Angeles $84,485.35.
(L) Wm. T. Loesch & Son and E. G. Perham, Los Angeles, $85,016.38.
(M) Theo A. Beyer Corp., Los Angeles, $86,038.40.
(N) Carlo Bongiovanni, Hollywood, $86,666.
(O) Bodenhamer Constr. Co., Oakland, $86,966.30.
(P) Dimmitt & Taylor, Los Angeles, $87,920.60.
(Q) M. B. McGowan, Inc., San Francisco, $88,604.
(R) Herbert M. Baruch Corp., Los Angeles, $88,556.20.
(S) Clinton Constr. Co., Uos Angeles, $89,952.76.

The bid of Ralph A. Bell, Los Angeles, was not declared as the NRA compliance certificate was unsigned.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(A)	$ .75	$1.50	$.45	$ 7.00	$12.10	$11.00	$.04	$.30	$.10	$ 80.00	$73.00	$1000.00
(B)	.25	2.00	.42	8.00	12.00	5.00	.035	.24	.12	100.00	93.77	100.00
(C)	.30	.80	.49	10.00	13.30	9.20	.038	.19	.095	77.50	70.00	285.00
(D)	.25	.75	.43	13.40	15.00	9.10	.0384	.21	.105	79.90	73.90	470.00
(E)	.45	.75	.44	7.00	15.70	9.25	.0385	.23	.11	72.00	75.00	2460.00
(F)	.33	.60	.54	7.70	16.50	9.00	.041	.22	.11	88.00	82.00	1500.00
(G)	.60	2.35	.495	8.90	15.00	8.30	.041	.25	.10	80.50	72.00	500.00
(H)	.30	2.00	.46	10.00	15.00	9.00	.0375	.25	.10	80.00	75.00	4270.95
(I)	.45	.80	.50	17.20	17.20	10.00	.039	.21	.14	81.00	72.00	1976.00
(J)	.31	.51	.478	8.33	18.40	8.72	.038	.233	.11	84.00	69.60	1100.00
(K)	1.21	1.21	.52	10.90	16.50	9.70	.042	.29	.11	85.60	77.50	1360.00
(L)	.80	2.23	.49	12.50	16.55	10.00	.0376	.32	.12	83.50	74.00	1000.00
(M)	.50	3.50	.53	10.00	16.00	8.00	.04	.20	.11	86.00	75.00	700.00
(N)	.50	1.17	.52	12.00	17.18	12.00	.0435	.35	.12	82.50	87.00	783.96
(O)	.50	2.00	.46	15.00	16.00	12.00	.045	.25	05	87.00	.87.00	750.00
(P)	.25.	2.50	.50	13.00	18.00	8.25	.037	.20	.10	84.00	78.00	800.00
(Q)	.40	2.00	.45	10.00	17.00	11.00	.05	.20	.10	90.00	90.00	418.50
(R)	1.50	1.50	.53	13.30	18.60	8.00	.032	.20	.09	98.00	90.00	900.00
(S)	.57	2.95	.423	9.00	19.60	10.50	.037	.263	.104	83.60	76.00	760.00

YOSEMITE AVENUE SEWER — SAN FRANCISCO

SAN FRANCISCO.—MacDonald and Kahn Co., Ltd., Financial Center Bldg. San Francisco, at $49,415.20 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the construction of the Yosemite Avenue sewer from Keith St. to Ingalls St.

The work involves:

(1) 1308 l.f. 7-ft. circular reinf. conc. sewer;
(2) 54 l.f. 5-ft. do;
(3) 1 taper structure of reinf. conc.;
(4) 1 taper junction struc. of do;
(5) 4 manholes on reinf. conc. sewer;
(6) 1350 l.f. 8-in. VCP underdrain covered with concrete or embedded in broken rock, as directed;
(7) 22,000 l.f. piles below cut-off.

Total bids follow:

(A) MacDonald & Kahn, $49,415.20.
(B) M. B. McGowan, $49,606.00.
(C) H. J. Oser, $53,467.00.
(D) Union Paving Co., $53,578.00.
(E) Healy-Tibbitts Const. Co., $53,-690.00.
(F) J. S. Heilmann, $54,358.70.
(G) M. J. Lynch, $55,248.00.
(H) Eaton & Smith, $56,005.60.
(I) F. C. Amoroso & Sons, $57,651.64.
(J) C. Monson, $58,736.64.
(K) E. J. Treacy, $59,571.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ 27.40	$ 30.00	$ 30.00	$ 31.00	$ 35.00	$ 31.95	$ 31.00	$ 32.20	$ 32.48	$ 33.83	$ 33.25
(2)	43.00	24.50	33.00	25.00	30.00	27.65	25.00	30.00	32.70	25.00	30.00
(3)	285.00	264.00	350.00	800.00	300.00	400.00	200.00	300.00	.465.00	547.00	500.00
(4)	494.00	500.00	700.00	800.00	500.00	280.00	600.00	850.00	1270.00	700.00	1000.00
(5)	30.00	60.00	65.00	50.00	100.00	70.00	50.00	50.00	56.00	50.00	60.00
(6)	.50	.74	.10	.80	1.00	1.30	1.00	.60	.98	1.00	2.00
(7)	.44	.32	.50	.40	.17	.38	.50	.40	.46	.47	.46

All bids held under advisement.

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

PERSHING CO., Nev.—4.7 Mi. Reconstruction—(State)

PERSHING County, Calif. — Union Paving Co., 624 Call Bldg., San Francisco, at $66,648.60 submitted low bid to the Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, July 6, as previously reported, and awarded contract July 11, for 4.77 miles of highway reconstruction in Pershing County between Lovelock and 5 miles east, Route 1, Section C1.

Complete bids follow:

(A) Union Paving So., S. F., $66,648.60.
(B) N. M. Ball, Berkeley, $69,394.75.
(C) Nevada Rock & Sand Co., Reno, $71,055.03.
(D) Dodge Constr., Inc., Fallon, $71,328.71.
(E) George French, Jr., Stockton, $73,624.27.
(F) Gibbons & Reed, Salt Lake, $77,385.24.
(G) Engineer's Estimate, $71,858.62.

Bids are as follows:

(1) 5,700 c. y. roadway excavation;
(2) 670 c. y. structure excavation;
(3) 46,300 c. y. select borrow;
(4) 4.74 miles salvage and relay fence
(5) 4.74 miles subgrade;
(6) 15,000 c. y. cru. gravel or stone surfacing;
(8) 10 each remove culvert headwalls;
(9) 11 each move pipe culvert do;
(10) 50 c. y. remove concrete;
(11) 269 c. y. Class A concrete;
(12) 18 c. y. Class B do;
(13) 23 c. y. Class D do;
(14) 31,500 lbs. reinforcing steel;
(15) 10,800 lbs. structural steel;
(16) 78 lin. ft. 12-in. CMP;
(17) 144 lin. ft. 15-in. CMP;
(18) 180 lin. ft. 18-in. CMP;
(19) 46 lin. ft. 24-in. CMP;
(20) 108 lin. ft. 3x2-ft. laminated culverts;
(21) 240 lin. ft. 18-in. vitrified pipe;
(22) 129 lin. ft. 24-in. do;
(23) 210 lin. ft. 36-in. do;
(24) 480 lin. ft. remove culvert pipe;
(25) 336 lin. ft. relay culvert pipe;
(26) 21,992 lin. ft. remove fence;
(27) 120 lin. ft. reconstruct fence;
(28) 21,872 lin. ft. construct fence;
(29) 13.6 MFBM redwood;
(30) 300 lin. ft. treated timber piles;
(31) 9 each drive treated piles;
(32) 500 lbs. castings;
(33) 26 each monuments;
(34) 104,353 gals. asph. road material, Type SC-2;
(35) 7,653 gals. do, Type MC-2;
(36) 4.74 miles roadmix;
(37) lump sum, move telephone and power lines;
(38) force account, misc. items;
(39) 4.77 miles finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .40	$ .35	$ .50	$ .30	$ .40	$ .40	$ .30
(2)	1.50	1.00	1.00	1.00	1.00	1.25	1.00
(3)	.37	.40	.40	.40	.45	.49	.40
(4)	600.00	800.00	600.00	880.00	500.00	900.00	400.00
(5)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(6)	.80	.60	.65	.70	.70	.74	.80
(7)	2.00	1.75	1.00	1.00	1.50	1.50	1.50
(8)	10.00	20.00	5.00	5.00	5.00	7.50	5.00
(9)	10.00	10.00	10.00	10.00	10.00	15.00	10.00
(10)	3.00	5.00	5.00	5.00	5.00	5.00	5.00
(11)	25.00	25.00	25.00	25.00	28.00	22.50	25.00
(12)	20.00	25.00	25.00	25.00	28.00	22.50	26.00
(13)	30.00	28.00	40.00	25.00	30.00	32.50	28.00
(14)	.05	.07	.07	.06	.07	.06	.07
(15)	.06	.08	.08	.07	.10	.10	.07
(16)	1.50	1.65	1.75	1.50	1.50	1.50	1.50
(17)	2.00	2.00	2.00	2.00	2.00	1.75	2.00
(18)	3.00	2.25	2.25	3.00	2.50	2.50	2.25
(19)	4.00	3.00	2.75	4.00	3.00	3.00	3.00
(20)	3.50	5.50	7.50	7.50	7.00	6.00	6.50
(21)	1.50	2.00	2.00	3.00	3.00	3.00	3.25
(22)	3.00	3.00	3.00	4.00	4.00	4.00	4.00
(23)	7.00	7.00	7.00	9.00	7.75	10.00	6.50
(24)	.50	.50	.50	.50	.50	.50	.75
(25)	.50	.50	1.00	.50	1.00	.50	.50

KINGS COUNTY — TIMBER BRIDGES — (STATE)

KINGS CO., Cal.—Robert D. Paterson, 1911 San Andres St., Santa Barbara, at $12,745 submitted low bid to the State Highway Commission, Sacramento, for the construction of two timber bridges at points approximately 23 and 25 miles south of Fresno; one consisting of eleven 19-ft. spans on pile bents, and the other consisting of three 19-ft. spans on frame bets. The work involves:

(1) 100 c.y. struc. excavation;
(2) 1 only existing bridge removed and disposed of;
(3) 2,300 l.f. furnishing redwood piles including test piles;
(4) 60 each driving redwood piles do;
(5) 103 MFBM redwood timber, dense, select, all-heart struc. grade;
(6) 18 MFBM redwood timber, select, all-heart structural grade;
(7) 1 lot misc. items of work.

Total bids follow:

(A) Robert D. Paterson, Santa Barbara, $12,745.
(B) John T. Bibb, Glendale, $12,856.
(C) J. W. Terrell and M. A. Jenkins, Sacramento, $12,974.
(D) Stroud Bros. & Seabrook, Bakersfield, $13,987.
(E) Bundesen & Lauritzen and Delta Dredging Co., Pittsburg, $14,156.
(F) Ralph A. Bell, Los Angeles, $14,585.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.00	$ .40	$ 1.20	$ 1.50	$ 1.50	$ 1.50
(2)	100.00	100.00	240.00	100.00	150.00	100.00
(3)	.50	.70	.47	.60	.53	.50
(4)	21.00	16.00	24.00	23.50	29.70	25.00
(5)	83.00	86.00	82.00	84.00	84.00	85.00
(6)	81.00	86.00	82.00	90.00	108.50	85.00
(7)	128.00	200.00	175.00	675.00	150.00	1000.00

All bids held under advisement.

CONTRACTS AWARDED

NAPA COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $5,679.30 (Wooden Valley Road) and at $3,044.40 (Howell Mt. Road) submitted low bids and awarded contracts by the Napa County Board of Supervisors for surfacing with asphalt wearing surface a portion of the Wooden Valley Road from the junction of Berryessa Road for a distance of 3½ miles south and for a portion of the Howell Mountain Road from Four Corners to the Pacific Union College, a distance of two miles. Bids were taken as follows:

Wooden Valley Road

(1) 3.5 miles preparing roadway;
(2) 1,385 tons crushed rock;
(3) 77 tons asphalt.

Howell Mountain Road

(1) 2.2 miles preparing roadway;
(2) 704 tons crushed rock;
(3) 440 tons asphalt.

Bidders follow:

(A) E. A. Forde, San Anselmo.
(B) Albert Helwig, Sebastopol.
(C) Lee J. Immel, Berkeley.
(D) Ransome Co., Emeryville.

Unit prices follow:

Wooden Valley Road

	(1)	(2)	(3)	(total)
(A)	$100.00	$2.95	$16.15	$5,679.30
(B)	100.00	2.90	19.80	5,891.10
(C)	180.00	3.00	20.00	6,325.00
(D)	132.00	3.34	17.10	6,404.60

Howell Mountain Road

	(1)	(2)	(3)	(total)
(A)	$100.00	$3.10	$16.55	$3,044.40
(B)	100.00	3.20	20.00	3,252.80
(C)	140.00	3.60	20.00	3,614.40
(D)	245.00	3.47	17.90	3,648.88

BIDS OPENED

YUBA COUNTY, Cal.—Bundesen & Lauritzen, P. O. Box 395, Pittsburg, at $8,885.15 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, for constructing seven timber sheet piling cofferdams approximately 40-ft. long and 7-ft. wide, backfilling with gravel, and capping with Portland cement concrete, on Piers No. 3 to 9, inclusive, on the northerly end of the "D" street bridge across the Yuba river in Marysville.

Total bids follow:

(A) Bundesen & Lauritzen, Pittsburg, $8,885.15.
(B) Holdener Const. Co., Sacramento, $12,097.00.
(C) F. H. Nielsen, Orland, $12,454.50.
(D) M. A. Jenkins, Sacramento, $12,705.00.

Unit quantities were:

(1) 53 MFBM treated Douglas fir;
(2) 693 each, driving treated Douglas fir sheet piles;
(3) 7 MFBM do select structural grade
(4) 5 MFBM untreated Douglas fir do;
(5) 250 c.y. gravel backfill;
(6) 2,500 lbs. hardware;
(7) 20 c.y. Class A Portland cement concrete.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$58.75	$61.00	$78.00	$60.00
(2)	4.80	9.50	8.50	10.00
(3)	108.75	99.00	90.00	85.00
(4)	89.75	80.00	80.00	70.00
(5)	2.00	1.50	2.00	3.00
(6)	.15	.165	.16	.12
(7)	18.00	20.00	25.00	30.00

29—STREETS AND HIGHWAYS

AWARD RECOMMENDED

LOS ANGELES, Cal.—Los Angeles Paving Co., 3200 E. Vernon Ave., Los Angeles, at $39,247.62 recommended for award of contract for grading, paving and otherwise improving 55th Street between Central Ave. and Alameda Street.

The award is subject to the final approval of the PWA.

BIDS WANTED

PLUMAS COUNTY, Cal.—Until August 9, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 507 Sheldon Bldg., 461 Market Street, San Francisco, for grading Section A of Route 20, the Almanor National Forest Highway, Plumas National Forest, Plumas County, involving:

(1) 29 acres clearing;
(2) 157,000 c.y. unclass. excav.;
(3) 1,000 c.y. unclass. excavation for structures;
(4) 200,000 sta. yds. overhaul;
(5) 16,000 c.y. mi. ovrehaul;
(6) 380 l.f. perforated CMP in place;
(7) 2,446 l.f. CMP (asp. dipped) do;
(8) 1 each Type A spillway inlets;
(9) 79 c.y. concrete;
(10) 800 lbs. reinforcing steel;
(11) 95 c.y. crushed rock or gravel for backfill;
(12) 72 each right of way monuments;
(13) 47 each culvert markers.

Plans and specifications obtainable from the above office upon deposit of $10.00.

CONTRACT AWARDED

ORANGE COUNTY, Cal.—Sharp & Fellows Contr. Co., 533 Central Bldg., Los Angeles, at $4,908 awarded contract by State Highway Commission, Sacramento, for grading 1.5 miles in Orange county between Talbert Ave. and Heil Ave., near Santa Ana river bridge.

AWARD

SAN BERNARDINO COUNTY, Cal.—George Herz & Co., 311 Platt Bldg., San Bernardino, at $13,964 awarded contract by the State Highway Commission, Sacramento, for 28.5 miles of existing roadbed to be treated with fuel oil in San Bernardino county between Summit Sta. and Cedar Springs; between the Stables and North Shore Toll Gate at Lake Arrowhead, and between Dolly Varden Angling Club and the South Fork of Santa Ana River.

BID OPENING POSTPONED

BERKELEY, Alameda Co., Calif.—All bids received July 17, 10 A. M., by the Berkeley city council for constructing a retaining wall and incidental work in the improvement of Tunnel Road from Alvarado Road to the east city limits, were returned unopened. New bids will be received until July 24, 10 A. M.

Specifications remain unchanged except for the insertion of a "Progress Payment" clause.

Plans and specifications obtainable from City Engineer Harry Goodridge upon deposit of $10.00.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.—Pacific States Const. Co., Call Bldg., San Francisco, at $40,268 (items I and V) awarded contract by the Constructing Quartermaster, Hamilton Field, for the construction of an 6-inch compacted rock base runway with asphalt armor coat surfacing at Hamilton Field.

SAN FRANCISCO — Pipe Yard Rehabilitation — (City)

SAN FRANCISCO.—Following bids received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Sts. Bids were taken as follows:

(1) 2,818 l.f. recondition erist. stand. gage tracks;
(2) 213 l.f. construction of spur track
(3) electrical work, complete, lump sum;
(4a) 500 c.y. compacted subgrade macadam;
(4b) 26,222 sq. ft. 3-in. asph. concrete wearing surface;
(4c) 5,000 l.f. 3x3-in. pine headers;
(5a) 204,000 sq. ft. clean and paint exterior surface of pipe;
(5b) 200,000 sq. ft. clean interior surface of pipe;
(6a) 21,700 sq. ft. clean and paint exterior surface of specials;
(6b) 21,000 sq. ft. clean interior surface of specials;
(7) general conditioning of testing plant machinery and equipment;
(8) 1,000 l.f. construct testing racks
(9) overhead I beam, lump sum;
(10) repair of building ,lump sum;
(11) removal of sheds, lump sum;
(12a) 250,000 sq. ft. grading of yard area;
(12b) 4,000 l.f. construction of yard ditches:
(13a) 2 construct temporary catchbasins;
(13b) 1,650 l.f. laying 10-in. cast iron pipe drain;
(13c) 350 l.f. drainage ditches;
(14) repair of cesspool, lump sum;
(15) water surf. and plumbing, lump sum;
(16) removal of debris, lump sum,
(17) work on 15-ton crane, lump sum
(18) work on small crane, lump sum;
(19a) 70 MBM select No. 2 common Douglas fir;
(19b) 203 MBM average No. 2 do;
(19c) 38,920 l.f. base skids;
(19d) 2,000 lbs. 40 penny nails;
(19e) 600 lbs. 20 penny nails;
(19f) 500 lbs. 10 penny nails;
(20a) 1,000 l.f. rough pine fence;
(20b) 4 rough pine gates with hardware.

The total bids were:

(A) C. L. Weld Co., San Francisco. $53,643.01.
(B) Union Paving Co., San Francisco. $57,805.90.
(C) Meyer Rosenberg, Inc., San Francisco.
cisco, $46,783.20.
(D) A. J. Raisch, San Francisco. $94,383.19.
(E) Eaton & Smith, San Francisco. $42,131.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$11,087.00	$11,400.00	$6,000.00	$10,855.00	$ 2.50
(2)	1,471.00	2,500.00	1,300.00	1,400.00	.10
(3)	2,777.00	2,000.00	2,537.00	2,660.00	3,000.00
(4a)	1.54	5.00	2.00	2.00	2.00
(4b)	.099	.10	.10	.12	.10
(4c)	.198	.15	.08	.14	.10
(5a)	.025	.038	.03	.024	.03
(5b)	.011	.01	.02	.011	.011
(6a)	.025	.03	.05	.024	.03
(6b)	.011	.01	.04	.011	.011
(7)	550.00	1,000.00	370.00	1,000.00	200.00
(8)	.94	2.00	.80	2.00	2.00
(9)	467.00	500.00	700.00	375.00	380.00
(10)	982.00	1,000.00	11,000.00	2,020.00	2,000.00
(11)	110.00	50.00	75.00	105.00	200.00
(12a)	.0176	.03	.008	.04	.015
(12b)	.044	.05	.10	.15	.10
(13a)	39.00	50.00	40.00	25.00	50.00
(13b)	.525	.60	1.39	1.74	1.50
(13c)	.474	.75	.50	.15	.20
(14)	110.00	150.00	75.00	200.00	80.00
(15)	349.00	500.00	317.00	575.00	317.00
(16)	660.00	300.00	150.00	1,000.00	300.00
(17)	550.00	125.00	375.00	500.00	2,500.00
(18)	2,860.00	1,500.00	3,200.00	2,400.00	400.00
(19a)	.0275	30.00	21.50	28.00	30.00
(19b)	.18	.01	.05	.90	.03
(19c)	25.50	30.00	23.50	28.00	30.00
(19d)	4.35	4.00	5.00	4.25	3.70
(19e)	4.10	4.00	5.00	4.00	3.70
(19f)	3.75	4.00	5.00	4.00	3.70
(20a)	.287	.50	.25	.40	.25
(20b)	5.50	10.00	8.00	7.00	4.00

Total bids will be published shortly.

LINCOLN CO., NEV.—BRIDGE—(STATE.)

LINCOLN COUNTY, Nev. — Silver State Construction Co., Fallon, Nevada, at $22,941.80, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, July 6, for the construction of a bridge and approaches over Meadow Valley Wash, near Caliente, in Lincoln County, Route 7, Section C, a length of 0.23 mile.

Complete bids follow:

(A) Silver State Construction Co., $22,941.80.
(B) Gibbons & Reed, Salt Lake, $24,500.46.
(C) Dodge Constr., Inc., Fallon, $26,993.10.
(D) J. J. Burke & Co., Salt Lake, $29,990.16.
(E) Engineer's Estimate, $22,993.33.

Unit bids follow:

(1) 1,120 c. y. roadway excavation;
(2) 552 sta. yds. overhaul;
(3) 682 c. y. select borrow;
(4) 680 c. y. structure excavation;
(5) 0.21 mile subgrade;
(6) 665 c. y. cru. gravel or stone surf.;
(7) 245 c. y. Class A concrete;
(8) 15,000 lbs. reinforcing steel;
(9) 82,000 lbs. structural steel;
(10) 26.5 MFBM redwood;
(11) 3,200 lin. ft. foundation piles;
(12) 104 drive foundation piles;
(13) 285 sq. yds. asphaltic plank;
(14) 64 lin. ft. 30-in. CMP;
(15) 6 monuments;
(16) 1 ea. remove bridge;
(17) 0.23 mile finish roadway.

	(A)	(B)	(C)	(D)	(E)
(1)	$ .60	$ .35	$ .50	$ .60	$ 75
(2)	.05	.03	.05	.03	.04
(3)	.60	.70	.75	.80	.75
(4)	2.00	3.00	1.00	3.00	2.50
(5)	100.00	200.00	500.00	300.00	150.00
(6)	1.00	1.00	1.50	2.20	1.25
(7)	23.00	20.00	25.00	20.00	18.00
(8)	.06	.07	.06	.07	.05
(9)	.06	.08	.07	.10	.07
(10)	110.00	110.00	125.00	100.00	110.00
(11)	.70	.40	.50	.50	.30
(12)	15.00	15.00	30.00	15.00	20.00
(13)	3.00	4.50	5.00	4.00	3.00
(14)	3.00	4.00	4.00	4.00	4.00
(15)	4.00	3.00	3.00	3.00	3.00
(16)	500.00	1,000.00	1,500.00	3,770.00	350.00
(17)	200.00	200.00	500.00	200.00	100.00

SAN FRANCISCO—POTRERO AVE. PIPE LINE—CITY

SAN FRANCISCO. — Herman Lawson Co., 465 Tehama Street, at $28,747.48 submitted low bid to the Department of Public Works, Room 251, City Hall, for installing Line 2, Section A, Potrero District Extension to the Auxiliary Water Supply System for fire protection, in Potrero Avenue from 25th to Alameda Streets.

The work involves:

(1) 120 lin. ft. 16-in. Class "G" Bell and Spigot, cast iron, lugged pipe and special castings are to be handled, loaded, hauled and delivered to site of work, laid in the ground, and the joints made and tested;
(2) 12 lin. ft. 12-in. Class H, Double Spigot, do;
(3) 300 lin. ft. 12-in. Class H, Bell and Spigot, do;
(4) 972 lin. ft. 12-in. Class H, Bell and Spigot, do;
(5) 444 lin. ft. 12-in. Class G, Bell and Spigot, do;
(6) 4836 lin. ft. 12-in. Class G, Bell and Spigot, do;
(7) 72 lin. ft. 8-in. Class H, Bell and Spigot, do;
(8) 528 lin. ft. 8-in. Class G, Bell and Spigot, do;
(9) 1 16-in. horizontal gate valve and gearing is to be handled, loaded, hauled and delivered to shop, disassembled, cleaned, painted, reassembled, tested and hauled and delivered to locations within the City of County of San Francisco to be designated by City Engineer;
(10) 1 14-in. vertical, do;
(11) 18 10-in. vertical, do;
(12) 16 8-in. vertical, do;
(13) 1 16-in. horizontal gate valve, is to be handled, loaded, hauled to site of work; set and the joints made and tested;
(14) 1 14-in. vertical gate valve, do;
(15) 18 10-in. gate valves, do;
(16) 16 8-infl hydrant gate valves, do;
(17) 16 Standard high pressure hydrants, do, and hydrants painted;
(18) 13.08 tons pig lead to be furnished and delivered to site of work;
(19) 4280 lbs. cast steel special castings, do;
(20) 17,918 lbs. cast iron special castings, do;
(21) 11,346 lbs. cast iron manhole and valve cover castings, furnished, delivered and set;
(22) 10,000 lbs. wrought iron or Norway iron, bolts, nuts and washers furnished, delivered and painted;
(23) 1037 lbs. reinforcing steel, etc.;
(24) 22.53 cy. yds. Class B concrete constructed in place;
(25) 3499 cu. yds. material to be excavated, backfilled and the surplus materials to be disposed of;
(26) 16,890 sq. ft. asphalt concrete pavement, consisting of 8-in. Class E concrete base, a 1½-in. binder course and 1½-in. asph. concrete wearing surface;
(27) 256 sq. ft. concrete sidewalk (one-course) to be constructed;
(28) 3 cu. yds. crushed rock for foundations, furnished, delivered and placed.

Total bids follow:

(A) Herman Lawson Co..... $28,747.48
(B) E. J. Treacy $36,516.78
(C) Eaton & Smith $37,499.78
(D) Lowrie Paving Co..... $40,927.18
(E) Alta Electric & Mech..... $49,741.10

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .85	$ 2.10	$ 1.66	$ .60	$ 1.26
(2)	.56	2.00	1.50	.50	1.15
(3)	.43	1.61	1.50	.55	1.31
(4)	.39	1.61	1.40	.50	1.15
(5)	.45	1.61	1.30	.55	1.31
(6)	.36	1.375	1.30	.50	1.05
(7)	.33	1.00	1.25	.40	.94
(8)	.29	1.00	1.25	.50	.94
(9)	31.00	55.00	122.00	200.00	84.00
(10)	23.00	60.00	110.00	200.00	63.00
(11)	9.00	30.00	38.00	75.00	52.50
(12)	7.00	15.00	30.50	60.00	42.00
(13)	16.00	35.00	40.00	50.00	42.00
(14)	12.00	30.00	40.00	50.00	42.00
(15)	8.00	15.00	24.00	10.00	10.50
(16)	7.00	15.00	13.00	10.00	10.50
(17)	11.00	25.00	15.00	12.50	10.50
(18)	.05	.0525	.05	.045	.0425
(19)	.24	.205	.20	.20	.19
(20)	.13	.135	.14	.12	.105
(21)	.07	.07	.08	.08	.07
(22)	.12	.15	.12	.12	.13
(23)	.07	.05	.04	.06	.105
(24)	18.50	30.00	16.00	20.00	37.00
(25)	2.80	2.90	3.40	4.75	6.66
(26)	.36	.25	.25	.50	.44
(27)	.16	.14	.15	.16	.22
(28)	4.40	3.00	3.00	17.50	3.70

CONTRACT AWARDED

CALLAM COUNTY, Wash.—Erickson Paving Co., 1550 N. 34th St., Seattle, at $187,808 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, July 10, for paving with Portland cement concrete about 9.6 miles of State Road No. 9, End of Pavement east of Port Angeles to Sequim, F.P.W. Project 7758. Complete bids follow

Erickson Paving Co., Seattle, $187,808.
Albertson & Cornell Bros., Tacoma, $196,912.
Goetz & Brennan, Seattle, $204,762.
Moceri Bros., Seattle, $208,586.
N. Fiorito, Seattle, $210,990.
Queen City Construction Co., Seattle, $212,909.
H. P. Dorsey Co., Bellingham, $216,926.
L. Coluccio & Co., Seattle, $28,086.
Joseph Warter Sr., Tacoma, $229,016.
Fionto Bros., Seattle, $237,862.
Paine-Galluci, Inc., Tacoma, $249,740.

CONTRACT AWARDED

WHITMAN COUNTY, Wash.—J. C. Compton, McMinnville, Oregon, at $49,887 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, July 10, for constructing a bituminous surface on about 9.4 miles of Inland Empire Highway, Eastern Route, Junction State Road No. 3 to Oakdale, and on about 8.5 miles Idaho State Line to Colton, Unit 2 of F.P.W. Project 7748, in Whitman County. Complete bids follow:

J. C. Compton, McMinnville.....$49,887
Hewett Judd Co., Seattle..... 51,871
Diesel Oil Sales Co., Seattle..... 53,240
F. J. Kernan, Faloma, Oregon.. 56,130

CONTRACT AWARDED

GRAYS HARBOR AND PACIFIC COUNTIES, Wash.—R. O. Dail and Warren Bros., Aberdeen, at $174,856 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, July 10, for grading about 0.9 mi. and surfacing with crushed stone about 14.7 mi. of State Road No. 13, Arctic to Raymond F.P.W. Project 7768, in Grays Harbor and Pacific Counties. Complete bids follow:

R. O. Dail and Warren Bros., Aberdeen, $174,856.
Newport Construction Co., Portland, $175,440.
F. J. Kernan, Faloma, Oregon, $177,934.
The Mirene Co., Portland, Oregon, $206,909.

BIDS WANTED

SAN FRANCISCO.—Until Aug. 7, 2 P. M., bids will be received by the Superintendent of Lighthouses, Room 424, Custom House, San Francisco, for converting Lightship No. 83 from coal burner to an oil burner, replacing the boilers, constructing fuel oil tanks, etc. Proposal No. N-15.

Plans and specifications obtainable frm above office upon deposit of $10.

BIDS OPENED

TRACY, San Joa ,uin Co., Cal.—California Filter Co., 981 Folsom St., San Francisco, at approximately $2650 submitted the only bid received for trustees of Tracy grammar school district for furnishing boilers, filters, pumps, etc., for Tracy grammar school swimming pool. The bid was in the form of an option to purchase equipment already installed at the pool.

PANAMA CANAL ZONE—Until August 3, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule

RANDLE-YAKIMA PROJECT — WASHINGTON

YAKIMA, Wash.—L. Romano Engineering Corp., 1300 Dearborn, Seattle, at $51,425 (metal) and $51,505 (concrete) submitted low bid to the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, for constructing or improving the Randle-Yakima Re-Construction and Grading Project NR-13-J2, L3, N1, National Forest Road Project, located within the Columbia National Forest, Yakima Co., Wash.

The work involves:

(1) 10 acres clearing;
(2) 8 acres gurbbing;
(3) 80,000 c.y. unclass. excav.;
(4) 350 c.y. unclass. excav. for struc.;
(5) 500 c.y. do for borrow;
(6) 540,000 s.y. overhaul;
(7) 8.984 miles finishing earth graded road;
(8) 40 c.y. Class A concrete;
(9) 4,000 lbs. reinforcing steel;
(10) 2 c.y. cement rubble masonry;
(11) 12 l.f. 18-in. reinf. concrete pipe in place;
(12) 12 l.f. 24-in. do;
(13) 60 l.f. 30-in. do;
(14) 150 l.f. 18-in. CGMP in place;
(15) 50 l.f. 24-in. do;
(16) 5,000 c.y. loose riprap in place;
(17) 100 c.y. hand-laid riprap in place;
(18) maintenance detours (force acct.) estimated $200;
(19) 2,000 l.f. flattening and rounding cut slopes;
(20) 168 l.f. cleaning existing culverts;
(21) 150 l.f. 18-in. reinf. conc. pipe in place;
(22) 50 l.f. 24-in. do.

Total bids follow:

(A) L Romano Engr. Corp., Seattle, (metal pipe) $51,425; (concrete pipe) $51,505.

(B) Reese & Moore, Seattle, $57,922; $57,964.

(C) Alex Besoloff, Seattle, $58,132; $58,184.

(D) Columbia Power & Investment Co., Stevenson, $60,117; $60.292.

(E) Myers & Goulter, Seattle, $62,-096; $62,196.

(F) J. A. Lyons, Portland, $68,694; $68,694.

(G) March Const. Co., Spokane, $69-435; $69,460.

(H) La Dee Logging Co., Portland, $72,799; $72,924.

(I) James Borin, Portland, $75,286; $75,486.

(J) Siems - Spokane Co., Spokane, $75,905; $76,005.

(K) Elliott & Co., Inc., Seattle, $84,-539; $84,602.

(L) United Contracting Co., Portland, $88,840; $88,820.

(M) Halleran Brothers, Underwood, Wash., $94,816; $94,966.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$100.00	$145.00	$ 80.00	$ 60.00	$150.00	$150.00
(2)	75.00	150.00	100.00	40.00	150.00	150.00
(3)	.49	.47	.49	.57	.60	.61
(4)	1.00	1.50	1.60	1.00	1.50	1.50
(5)	.50	1.00	.50	.40	.60	.50
(6)	.055	.01	.01	.01	.01	.01
(7)	200.00	200.00	214.00	200.00	200.00	300.00
(8)	24.00	25.00	24.00	24.00	26.00	28.00
(9)	.06	.07	.065	.06	.07	.07
(10)	20.00	15.00	14.00	12.00	15.00	15.00
(11)	2.25	2.25	2.15	2.00	2.50	2.00
(12)	2.75	3.10	3.10	3.00	3.50	3.00
(13)	5.00	5.00	4.55	4.30	5.50	5.00
(14)	1.80	2.00	1.88	1.50	2.00	2.00
(15)	2.50	3.00	2.88	3.00	3.00	3.00
(16)	.49	1.25	1.30	.65	1.00	1.00
(17)	5.00	3.00	2.00	2.00	5.00	5.00
(18)	200.00	200.00	200.00	200.00	200.00	200.00
(19)	.15	.12	.12	.10	.15	.15
(20)	.50	2.00	.30	.50	1.00	.50
(21)	2.25	2.25	2.15	2.50	2.50	2.90
(22)	2.75	3.10	3.10	3.50	3.50	3.00

	(G)	(H)	(I)	(J)	(K)	(L)	(M)
(1)	$250.00	$250.00	$400.00	$100.00	$150.00	$250.00	$175.00
(2)	300.00	250.00	400.00	150.00	150.00	300.00	100.00
(3)	.62	.57	.50	.70	.85	.73	.89
(4)	1.00	1.75	2.00	1.25	1.50	1.65	1.00
(5)	.50	.57	.50	.70	.25	.60	.60
(6)	.01	.015	.02	.01	.01	.02	.02
(7)	150.00	300.00	300.00	250.00	160.00	225.00	250.00
(8)	22.00	30.00	30.00	26.00	20.00	26.00	30.00
(9)	.06	.06	.06	.07	.05	.07	.07
(10)	12.00	15.00	25.00	15.00	20.00	13.00	15.00
(11)	2.00	3.00	3.00	2.50	2.00	2.00	2.00
(12)	3.50	4.00	4.00	3.50	3.50	2.90	3.00
(13)	5.00	6.00	5.00	5.50	5.00	4.50	4.50
(14)	1.80	2.50	2.00	2.00	1.75	2.10	1.50
(15)	3.00	3.00	3.00	3.00	3.00	3.00	2.75
(16)	1.00	1.50	2.00	1.25	.75	1.75	1.00
(17)	1.50	4.00	3.00	3.00	3.00	3.00	2.00
(18)	200.00	200.00	200.00	200.00	200.00	200.00	200.00
(19)	.07	.15	.40	.15	.10	.10	.05
(20)	1.00	1.00	.10	.30	.50	1.50	1.00
(21)	1.80	4.00	3.00	2.50	2.00	2.00	2.25
(22)	3.50	3.00	4.00	3.50	3.50	2.90	3.50

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2981, for furnishing three long-distance water-level transmitting and recording systems.

Specifications obtainable from above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

BIDS WANTED

HONOLULU, T. H.—Until Aug. 14, 10 A. M., bids will be received by U. S. Engineer, Honolulu, and at 12:30 P. M., the same date, by U. S. Engineer, Customhouse, San Francisco, for furnishing materials for erecting six steel shelters for fortifications in the Hawaiian Islands. The shelters are to be five-foot hexagons, six feet in height, sides and top members bolted and fitted with special fastenings. Bids will be received for alternate deliveries(1) Schofield Barracks, T. H., (2) Brooklyn Transport Docks, (3) Fort Mason Transport Docks, San Francisco.

Specifications available from U .S. Engineers, Pacific Division, Customhouse, San Francisco, Circular No. 78.

BIDS WANTED

SAN FRANCISCO.—Until August 1, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the improvement of the crossing of Filbert Street and Kearny Street.

The work involves:

(1) 200 c.y. excavation;
(2) 35 c.y. concrete in retaining walls and posts;
(3) 2,520 lbs. reinforcing steel;
(4) 17 l.f. concrete coping (10x18-in.)
(5) 7 l.f. concrete coping (10x12-in.)
(6) 79 l.f. unarmored concrete curb;
(7) 26 l.f. granite curb reset;
(8) 650 sq. ft. 1-course conc. sidewalk
(9) 1,600 sq. ft. 6-in. Class F concrete pavement;
(10) 1 storm water inlet;
(11) 20 l.f. 10-in. VCP culvert;
(12) 10 l.f. 10-in. CIP culvert (Class C)
(13) 220 l.f. 1½-in. standard W: I: galv. pipe in railings.

Plans and specifications obtainable from City Engineer John J. Casey, Room 355, City Hall, upon deposit of $10. Estimated cost, $1,600.

BIDS OPENED

LOS ANGELES, Cal.—Los Angeles Paving Co., 3200 E. Vernon Ave., Los Angeles, at $39,247.62 (bid not accompanied by financial statement) submitted low bid, as previously reported, to the Los Angeles Board of Public Works, July 11, for grading, paving and otherwise improving 55th Street between Alameda St. and Central Ave. Complete bids follow

L. A. Paving Co., L. A. $39,247.62
G. R. Curtis Paving Co., Los Angeles 40,570.86
J. L. McClain, Los Angeles.. 40,678.59
Arthur E. Pearson, Venice.... 40,753.59
(bid not accompanied by financial statement).
Griffith Co., Los Angeles..... 40,899.73
(bid not accompanied by financial statement).
Southern Calif. Roads Co., Los Angeles 41,379.66
Oswald Bros., Los Angeles.... 42,744.70
Koopman-Wright Co., L. A... 43,538.43
Engineer's Estimate 41,469.35

The bid of Gogo & Rados was not declared as it was not accompanied by affidavit of non-collusion.

The bid of Kovacevich & Price, Inc. was not declared as it was not accompanied by certification of compliance with NRA.

CONTRACT AWARDED

GLENDALE, Ariz.—Phoenix-Tempe Stone Co., Box 1645, Phoenix, at $29,-393.19 awarded contract by the Arizona State Highway Commission at

Phoenix for highway construction on the Phoenix-Prescott Highway (Glendale streets) NRM 33-A and 48 (AFE 510). Work consists of widening and paving about 1.15 miles existing pavement along Grand Ave., Glendale.

CONTRACT AWARDED

LOS ANGELES AND ORANGE COUNTIES, Cal. — Sunset Decomposed Granite Co., 1152 N. Fairfax Ave., Los Angeles, at $9882 awarded contract by the State Highway Commission, Sacramento, for highway improvement in Los Angeles and Orange Counties, at various locations; about 2 miles of existing roadbed shoulders and about 11.6 miles of existing roadbed to be treated with fuel oil, and about 9.7 miles of existing roadbed shoulders to be treated with a bituminous seal coat.

BIDS WANTED

SAN FRANCISCO.—Until August 1, 2:30 P. M., bids will be received by the Department of Public Works, S. J Hester, Chief Deputy Director, Rm. 251, City Hall, for the improvement of Bradford Street between Cortland Ave. and a point 160 feet on the north line of Jarboe Avenue, including the intersection of Bradford Street and Cortland Ave.

The work involves:
(1) 410 l.f. 8-in. VCP sewer, in place;
(2) 28 8x6-in. wye branches, in place;
(3) 2 brick manholes, complete.

Plans and specifications obtainable from City Engineer John J. Casey, Room 355, City Hall, upon deposit of $10. Estimated cost, $1,650.

LOW BIDDERS

COCONINO COUNTY, Ariz.—Hodgman & MacVicar, Box 337, Flagstaff, at $104,067 submitted low bid and recommended for award by the U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for grading 8.017 miles of Section A, Route 3, the Flagstaff-Clints Well Nat'l Forest Highway, Coconino National Forest, Coconino County, Ariz.

Pearson & Dickerson, Phoenix, at $109,893 and Vinson & Pringle, Phoenix, at $112,976 submitted second and third low bids, respectively.

Engineer's estimate, $109,378.15.

Nine bids were received. Complete bids will be published shortly.

BIDS OPENED

FORT LEWIS, Wash.—H. J. Adler, 310 S. Alaska, Tacoma, at $3,700 submitted low bid to the Constructing Quartermaster, Fort Lewis, July 12, for the construction of pavement and sidewalks at Fort Lewis. Paine & Gaucci, Tacoma, at $3,960 submitted the only other bid.

COMPLETE BIDS

MADERA COUNTY, Calif.—Granite Const. Co., Bin No. 9, Watsonville, at $2.98 per barrel, total, $8,940, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, R. M. Gillis, District Engineer, Fresno, for 16.4 mi. of fuel oil treatment in Madera County between 2.9 miles east of Madera and the junction of State Highway Rt. 145 and the county road to Bates.

Complete bids follow:

Granite Const. Co., Watsonville, (1) $2.98 per bbl.; (2) $8,940, total.

C. W. Wood, Stockton, (1) $3.05; (2) $9,150.

Tiffany Const. Co., San Jose, (1) $3.32; (2) $9,960.

John Jurkovich, Fresno (1) $3.40 ;(2) $10,200.

Stewart & Nuss, Inc., Fresno, (1) $3.65; (2) $10,950.

Tieslau Bros., Inc., Berkeley, (1) $4; (2) $12,000.

SAN FRANCISCO—BRANNAN & EIGHTH ST. SEWERS

SAN FRANCISCO.—MacDonald and Kahn Co., Ltd., 200 Financial Center Bldg., at $245,542.44 submitted low bid to the Department of Public Works, Room 251, City Hall, for construction of sewers and appurtenances in Brannan Street from Ninth Street to Center Place, and in Eighth Street from Bryant Street to Brannan Street.

The work involves:
(1) 661 l.ft. 3 ft. x 4 ft. 6 in. reinf. conc. sewer;
(2) 896 l.ft. 4x6 ft. do;
(3) 23,681 l.f. 5 ft. circular do;
(4) 26 l.f. 5 ft. 6 in. do;
(5) 668 l.f. 6 ft. 6 in. do;
(6) 601 l.f. 15-in. VCP incased in concrete;
(7) 342 l.f. 12-in. VCP sewer;
(8) 1 junction struc., reinf. conc.;
(9) 1 taper structure, reinf. concrete No. 1;
(10) 1 do, No. 2;
(11) 1 do, No. 3;
(12) 1 do, No. 4;
(13) 1 do, No. 5;
(14) 1 do, No. 6;
(15) 1 do, No. 7;
(16) 1 do, No. 8;
(17) 14 manholes on reinf. conc. sewer
(18) 3 do, VCP sewer on piles;
(19) 2 do, VCP sewer;
(20) 44 15x18-in. Y or T branches;
(21) 26 12x8-in. do;
(22) 500 l.f. 6-in VCP underdrain, covered with concrete or embedded in broken rock as directed;
(23) 1000 l.f. 8-in. VCP do;
(24) 1450 l.f. 10-in. VCP do;
(25) 1740 l.f. 12-in. VCP do;
(26) 30 c.y. Class B concrete for raising invert bottom and weir in existing overflow struc. at Sixth and Brannan Sts.;
(27) 1050 c.y. Class B concrete for tunnel relining;
(28) 848 l.f. vit. brick invert lining for tunnel;
(29) 66,000 l.f. piling below cut-off;
(30) 100 l.f. 6-in. VCP side sewer;
(31) alterations to auxiliary water supply system pipe.

Total bids follow:
(A) MacDonald & Kahn Co., $245,542.44.
(B) Healy-Tibbitts Const. Co., $261,878.00.
(C) M. B. McGowan, $265,679.00.
(D) Eaton & Smith, $291,714.50.
(E) Union Paving Co., $297,648.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 30.00	$ 25.00	$ 28.50	$ 28.00	$ 38.00
(2)	31.00	33.00	35.00	34.00	48.00
(3)	35.08	38.00	32.50	45.00	41.50
(4)	36.00	44.00	32.50	50.00	45.00
(5)	37.00	44.00	42.25	52.00	45.00
(6)	20.00	24.00	23.00	17.00	36.00
(7)	12.50	10.00	17.00	20.00	4.00
(8)	700.00	500.00	3000.00	500.00	500.00
(9)	500.00	400.00	1500.00	500.00	500.00
(10)	530.00	500.00	1500.00	500.00	500.00
(11)	600.00	600.00	1500.00	500.00	500.00
(12)	700.00	600.00	1500.00	500.00	500.00
(13)	430.00	400.00	1500.00	500.00	500.00
(14)	950.00	1,000.00	1500.00	750.00	500.00
(15)	615.00	700.00	1500.00	500.00	500.00
(16)	910.00	500.00	1500.00	750.00	500.00
(17)	80.00	100.00	100.00	100.00	60.00
(18)	100.00	100.00	100.00	100.00	100.00
(19)	100.00	100.00	100.00	100.00	150.00
(20)	3.25	4.00	7.00	5.00	2.00
(21)	1.90	3.00	5.00	3.00	1.00
(22)	.85	.60	.40	.75	1.25
(23)	.96	.80	.50	1.00	2.00
(24)	1.10	1.00	.75	1.25	3.00
(25)	1.40	1.25	.80	1.50	3.00
(26)	19.50	25.00	15.20	15.00	10.00
(27)	23.40	38.00	33.00	30.00	30.00
(28)	4.20	4.00	4.00	8.00	4.00
(29)	.45	.30	.45	.46	.35
(30)	8.00	5.00	6.00	5.00	1.75
(31)	640.00	1,000.00	500.00	500.00	300.00

All bids referred to City Engineer J. J. Casey and to PWA engineers.

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IN THIS ISSUE

$3,600,000 U. S. Building Plans Under Way

Six Co's. Bid $4,239,834 On Parker Dam.

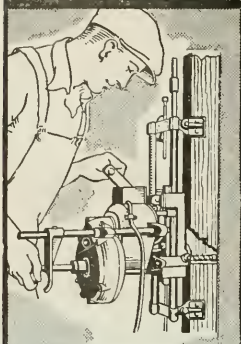
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

uly 28, 1934

Vol. XVII—No. 30

WAPPAT Electric TOOLS



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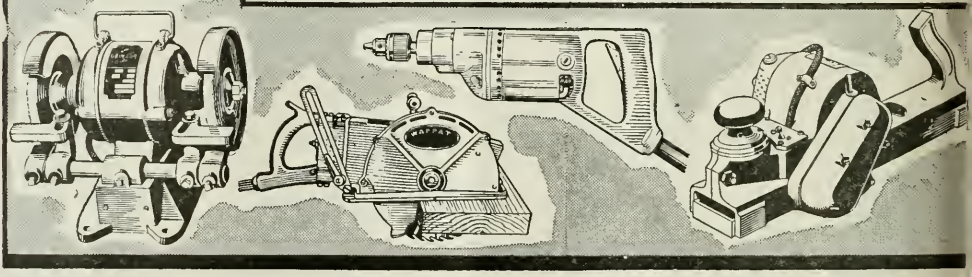

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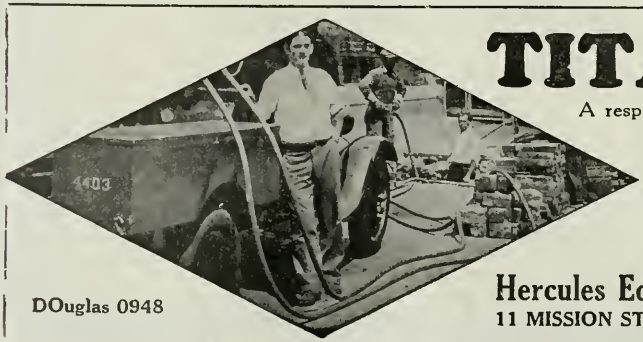

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Vol. XVII SAN FRANCISCO, CALIF., JULY 28, 1934 No. 30

ASK BIDS ON BRIDGES IN TWO COUNTIES

Highway Commission Authorizes Construction in Kings and Los Angeles

SACRAMENTO, July 24.—Bridge construction contracts in two counties were advertised today by the State Highway Commission for opening of bids in the next three weeks.

The commission will receive proposals August 15 at Sacramento for constructing a reinforced concrete bridge across Lakeside Canal in Kings county, and widening the existing concrete bridge and for constructing a culvert across Melga Ditch in the same county. The work is to be done under a single contract.

In Los Angeles, August 16, bids will be opened for construction of a bridge across Escondido Creek, about 12 miles south of Carlsbad. The structure is to consist of four 45-foot reinforced concrete slab spans on reinforced concrete piles and abutments with wing walls.

Sales billed by General Elecrtic Co. during the first six months of 1934 amounted to $80,983,093.60, compared with $61,773,414.19 during the corresponding period last year, an increase of 31 per cent, President Gerard Swope has announced.

Orders received during the second quarter of 1934 amounted to $54,005,988, compared with $35,539,858 for the second quarter of 1933, an increase of 52 per cent. Orders received during the six months amounted to $92,154,642, compared with $61,051,502 for the six months last year, an increase of 51 per cent. The second quarter of 1934 was the largest since the third quarter of 1931.

McKEE LOW ON NOGALES STATION

WASHINGTON, D. C., July 24.—Robert E. McKee, 108 West Sixth St., Los Angeles, at $117,700 today submitted the low bid to the Treasury Department on the general contract for construction of an Immigration Station building at Nogales, Ariz. Second and third low bids were submitted by Harry B. Friedman Fort Worth, Texas, at $128,300 and Andy Sordal, Long Beach, at $134,500.

TO OPEN BIDS ON STOCKTON WHARF JULY 31

$750,000 Project Bid Opening Date Reset After Strike Postponement

STOCKTON, Calif., July 24.—A new date for receiving bids on the $725,000 wharf and transit shed contract for the Port of Stockton was set today by the Port Commission. Bids are to be opened July 31 at 4 p. m.

Bids were to have been taken July 17 but the opening was cancelled by the Commission due to strike conditions prevailing at that time. The bid date was reset at the first meeting of the board since the strike settlement in order to commence construction as soon as possible.

The contract includes all work necessary to complete a fireproof wharf of 1740 feet and a transit shed to contain 180,000 square feet of storage space.

The work is financed in part by a Public Works Administration grant and in part by proceeds of a municipal bond issue for port improvements.

SIX COMPANIES BID $4,239,834 ON PARKER DAM

Boulder Contractors Figure Low By $1,000,000 On Structure

LOS ANGELESC, July 26.—Six Companies, Inc., contractors on the Boulder Dam, today submitted a low bid of $4,239,834 to the U. S. Bureau of Reclamation here for construction of Parker Dam, from which waters of the Colorado will be diverted into the Metropolitan Aqueduct. The Six Companies' bid was lower by more than a million dollars than the nearest competing offer.

Second low bid was that of Southwestern Contracting Group, Inc., 609 South Grand avenue, Los Angeles, of which H. Stanley Bent is president. The bid was $5,496,073.

Two bids were received on Schedule One, only, which is for construction of diversion tunnels, etc., from West Construction Co., 615 Richfield Building, Los Angeles, at $887,910, and from S. S. Magoffin & Co., Inc., Adrian, Oregon, $948,177.

The dam when completed will divert water from the Colorado River into the aqueduct now being built by the Metropolitan Water District of Southern California. The location is near Parker, Arizona and Earp, California.

Construction of the dam will necessitate the diversion of the river through tunnels and the construction of two coffer dams, one above and the other below the dam site. Schedule No. 1 includes construction of the two diversion tunnels, forebay, and roads. Construction of the dam, together with the two coxer dams, is included in Schedule No. 2.

The proposed Parker Dam will be a constant angle arch dam modified

(Continued on Page 8)

PLANS UNDERWAY ON $3,600,000 U. S. BUILDINGS

Projects Contracted or Planned In West by Treasury Total $7,725,000

Listed in the monthly progress report on the Treasury Department building program are fifty projects, for which $7,725,875 has been appropriated, in the seven far-western states. The list covers only those projects which are now under contract or for which plans have been partially or fully completed, and does not include a number of other projects for which appropriations have been announced.

Of the fifty projects listed thirty-seven are located in the state of California.

A summary of the status of projects in the states of California, Oregon, Washington, Arizona, Nevada, Utah and Idaho follows:

Projects Under Contract	
Boise, Ida., Assay Office..	$ 15,000
Logan, Utah	54,612
Los Angeles, Q. S.	99,768
Port Townsend, Wash., Q. S.	270,000
San Francisco, F.O.B.	2,899,040
Tecate, Calif., B. S.	60,000
Total	$3,398,420
Projects Now in Specification Stage or on the Market	
Alhambra, Calif	$ 178,415
Colton, Calif	57,200
Montesano, Wash.	56,300
Nogales, Ariz., I. S.	169,000
North Hollywood, Calif.	56,100
Roseville, Calif.	45,100
Santa Cruz, Calif.	115,750
Winslow, Ariz.	49,500
Total	$ 727,365
Plans Partially Completed	
Anaheim, Calif.	$ 120,000
Bell, Calif.	33,300
Compton, Calif.	77,000
Ely, Nevada	45,000
Hillsboro, Oregon	56,700
Hollister, Calif.	45,100
Hollywood, Calif.	214,500
Hood River, Oregon	61,600
Huntington Beach, Calif.	52,800
Inglewood, Calif.	90,000
Kingman, Arizona	44,000
La Jolla, Calif.	59,400
Lodi, Calif.	55,000
Madera, Calif.	50,600
Marshfield, Oregon	92,400
Montebello, Calif.	45,100
Orange, Calif.	64,900
Phoeniz, Ariz., C. H.	40,000
Phoenix, Arizona	635,550
Pittsburg, Calif.	68,200
Redding, Calif.	79,200
Redondo Beach, Calif	73,700
Redwood City, Calif.	56,600
Salinas, Calif.	83,600
San Fernando, Calif.	72,600
San Gabriel, Calif.	87,200
San Pedro, Calif.	568,840
San Rafael, Calif.	64,900
Santa Clara, Calif.	40,500
Santa Monica, Calif.	130,900
South Pasadena, Calif.	63,800
Torrance, Calif.	63,800
Turlock, Calif.	63,800
Van Nuys, Calif.	57,200
Ventura, Calif.	85,800
Whittier, Calif.	71,500
Total	$3,600,090
Grand Total	$7,725,875

Key to Abbrevations: I. S., Immigration Station; Q. S., Quarantine Station; B. S., Border Station; F. O. B., Federal Office Building.

TO VOTE ON BOND ISSUE FOR HARBOR

$635,000 San Mateo Project In Hands of Voters August 28

Action was taken early this week by the San Mateo County Harbor Commission to place on the August 28 primary election ballot the proposed bond issue of $450,000 to complete the funds necessary for undertaking the $635,000 Redwood City harbor project.

A Federal grant of $185,000 to the project has already been authorized. The total cost of the project has been estimated at $635,000, but more exact figures will be available soon, since the precise amount of the required bond issue must be determined immediately.

Land acquisition and dredging will cost approximately $228,000 to $238,000, $94,000 of which will be donated by the government. Shore facilities, including wharves, warehouses, spur tracks, and other port requirements will cost approximately $403,000. Of this amount, the government will contribute $91-000, bringing the total amount of the Federal grant to $185,000.

In addition the government has offered to purchase $312,000 worth of harbor district bonds at 4 per cent interest, with the stipulation that the cost of land acquisition and channel dredging be supplied from the other funds.

MORRIS'N-KNUDSEN LOW BIDDER ON YOSEMITE GRADING

Figure on 12-Mile Section For U. S. Bureau Is $423,012

Morrison-Knudsen Co., Los Angeles, at $423,012 yesterday submitted the low bid to the U. S. Bureau of Public Roads, San Francisco, for grading a 12.4 mile section of the Tioga road in Yosemite National Park. The bid was $50,000 below that of Granfield-Farrar and Carlin, San Francisco, second low bidder.

Complete total bids follow:

Morrison-Knudsen Co. Los Angeles	$423,012
Granfield-Farrar & Carlin, San Francisco	474,366
Haas, Doughty & Jones and S. H. Palmer, San Francisco	498,635
Mittry Bros. Const. Co., Los Angeles	515,858
C. T. Malcom & Ralph A. Bell, Los Angeles	535,432

The engineer's estimate was $391-654.

The Morrison - Knudsen bid of eighty-nine cents a yard for 264,000 yards of unclassified excavation was 21 cents under that of the second low bidder at $1.10. The engineer's estimate was 85 cents a yard. Other bids ranged upward to $1.35.

Albany Contractors Submit Low Bid On Tunnel Road

Albany Cement Contractors, 954 San Pablo avenue, Albany, yesterday submitted the low bid to the Berkeley City Council for constructing a retaining wall and incidental work in the improvement of Tunnel Road from Alvarado Road to the east city limits. The low bid was $23,977. Eleven bids were received.

Following are the complete bids:

Albany Cement Contractors, Albany	$23,97
J. H. Fitzmaurice, Oakland	24,27
Lee J. Immel, Berkeley	24,36
A. Soda & Son, Oakland	24,52
Ransome Co., Emeryville	25,13
Leo Epp, San Francisco	25,36
W. E. Lyons, Alameda	25,84
Schnoor Bros., Oakland	26,80
Frank Stead, Berkeley	27,45
N. M. Ball, Berkeley	27,69
W. A. Bechtel, San Francisco	29,20

The work is part of improvement planned to make Tunnel road one of the main approach roads to the new Broadway low-level tunnel now under construction. The work to be done will total about $64,000, the paving of the roadway being planned under a separate contract.

Work Resumed on Golden Gate and Bay Bridges; Remain Ahead of Schedule

Concrete Pouring to Begin In New Gate Bridge Fender Units

Golden Gate Bridge construction, halted temporarily as the result of the general strike in San Francisco, has been resumed and work on the momentous job is being pushed forward with added impetus.

The men who were called out a week ago returned to the job at eight o'clock Friday morning and, according to the report of Chief Engineer Joseph B. Strauss, efforts are being made to regain the four days lost as the result of the walkout.

With two units of the protective fender for the south pier concreted to their final elevation of 15 feet above water level, the placing of form panels on the steel frame work of the two adjoining units is under way again and it is likely that pouring of concrete in these units will be commenced during the present week to bring them to their final elevation.

Meanwhile there remain six fender units or sections to be placed in order to fill out the 22 sections that will make up the completed fender to its partial elevation of 40 feet below water level, which will be retained until the south pier caisson has been floated into place, when the entire fender structure will be concreted to its final elevation.

During the past week, despite the fact that work on the bridge was halted, members of the engineering board have been in conference in San Francisco and the results of the meetings held were to be transmitted to the board of directors when they meet in their final July session Wednesday of this week.

Will Commence Second Steel Tower of Bay Span This Week

The force at work on the San Francisco-Oakland Bay Bridge dropped last week from 3073 to 253, and construction entirely ceased, according to the weekly report of Chief Engineer C. H. Purcell.

The workers who continued during the week of the general strike were the State engineering design and administrative force and some thirty watchmen.

While the strike ended last Thursday, actual construction did not start until yesterday because the contractors required a few days to reassemble their equipment to begin where work left off when the crews went out on strike.

Inspection of the Yerba Buena Island tunnel by Governor Frank F. Merriam and members of the Financial Advisory Committee, of which Harrison S. Robinson is chairman, is scheduled for the day of holing through, which is expected this week. The inspection was originally set for today, but will be delayed. However, it is expected that crews will break through the 500-foot pioneer drift today or tomorrow.

Columbia Steel Company gangs will start this week erecting the second steel tower of the San Francisco-Oakland Bay Bridge suspension sector for the West Bay crossing.

Under orders from Director of Public Works Kelly every effort is being made to make up the lost time so that the bridge will remain six full months ahead of schedule.

EXPERIMENT STATION FOR FOREST SERVICE

The U. S. Forest Service has acquired a tract of 3500 acres between Bates and O'Neals in Madera County for the purpose of establishing a grazing experiment station. Permanent headquarters, consisting of a caretaker's house, living quarters, office, storeroom and greenhouse, will be erected this summer.

Allied Architects of Fresno, 304 Rowell Bldg., Fresno, request catalogs from supply and equipment firms to complete files for new offices. Associated in the group are W. D. Coates, Jr., Fred L. Swartz, H. Rafael Lake, E. J. Kump, E. W. Peterson and Charles H. Franklin. Allied Architects are commissioned to design the Fresno County Hall of Records and Fresno Civic Auditorium, each to cost approximately $400,000.

BIDS ADVERTISED ON TWO NEVADA PWA CONTRACTS

Lovelock and Fallon to Award $200,000 Water System Improvements

Two Nevada water supply systems, bids on the construction of which are now being taken, will be the first non-Federal PWA projects to ge under way in that state. The proposed systems are to be located in Lovelock and Fallon.

In Lovelock, bids are to be opened July 28 by the city council for the construction of a water supply pipe line and pumping plant and furnishing the necessary materials. Cost of the project has been estimated at $92,000, the work to be financed by the sale of general obligation bonds, together with a PWA grant of 30 per cent of the cost of labor and materials. The supply line work includes the laying of approximately 13 miles of steel pipe, digging and backfilling a trench for the same, removal and relaying of about 3100 ft. of existing 8-inch cast iron pipe, installation of valves and fittings, and connection of the line with a pump, a reservoir, and an existing pipe line. The pumping plant work includes drilling a well 65 lin. ft., increasing the present depth of 270 ft. to 335 ft., setting a new pump, turning the present pump, and erection of a pump house. July 9 was the date originally scheduled for opening bids on this project, the postponement being due to last minute revisions required by the PWA. King and Malone, 29 East First St., Reno, are consulting engineers for the project.

In Fallon, new bids will be received until August 8 by the city council for the construction of improvements to a portion of the municipal water supply and distribution mains, and the construction of an entirely new 1,000,000 gallon reservoir. Bids taken previously on this project were rejected, due to insufficient competition between bidders. The work involves the laying of a total of approximately 43,800 lin. ft. of pipe, and construction of a 1,000,000 gallon reservoir in solid and loose rock of a semi-subsurface type, including furnishing necessary materials. The work is to be financed by a bond issue of $100,000 and a PWA grant of 30 per cent of the cost of labor and materials. L. W. Crehore, Fallon, is consulting engineer.

Proposed Code Changes Vetoed By Steel Construction Institute; Held Unfair

The Board of Directors of the American Institute of Steel Construction, Inc., at a meeting held in New York on July 18, voted not to accept the proposed changes in the Code of Fair Competition of the Structural Steel and Iron Fabricating Industry contained in General Johnson's order of July 11, 1934, approving the Code subject to the making of such changes. The Board decided that such changes were unacceptable to the industry, claiming they would be unduly oppressive on the smaller enterprises in the industry and would place an important and integral part of the industry under the Construction Code, the administration of which is dominated by purchasers of the products of the industry.

A recent bulletin of the American Institute of Steel Construction says, in this connection: "General Johnson's order proposed to eliminate from the Code for the Fabricating Industry the erection of structural steel and to place that part of the Industry under the Construction Code. This deletion of all provisions of the proposed Code governing erection work would render ineffective the commercial provisions of the Code and seriously hamper the conduct of the business of the Industry.

"In other respects the changes proposed by the Administrator's order would be exceedingly harmful to all of the smaller fabricating shops and more especially to those removed from the mill centers. Among the changes proposed in the order is the establishment of a uniform minimum wage rate for common labor of 40 cents per hour in the North and 34 cents per hour in the South in complete disregard of the existing and long established wage differentials between different localities under which the establishments in the Industry have been built up.

"The proposed changes would further increase the cost of the products of the Industry by the creation of a minimum average rate of pay for shop labor entirely out of line with the prevailing rates. The effect of such changes would be to increase the cost of fabricated structural steel, impair the position of the Industry with regard to competitive construction materials and impede a revival of business in the Industry, with a resulting increase rather than a decrease of unemployment in the Industry."

Six Months' Total Building Ahead '33 Despite June Drop

Building permits issued in 215 cities of the United States during June involved an estimated cost of $28,560,865, according to Dun and Bradstreet, Inc., who note a decrease of 34.8 percent from the May total of $43,825,268 and 16.2 percent decrease from June, 1933, when the permit volume in the same cities amounted to $34,098,384.

"Despite the unseasonal decline in June, the record for the first six months of 1934 has been favorably and apparently indicates a turn for the better in the construction industry from the low levels of a year ago," the review states.

"For the first half of the current year, building permit expenditures aggregated $167,323,823, as compared with $140,420,513 for the corresponding period of 1933. This was an increase of 19.2 percent and was the first year-to-year increase recorded since the peak in building was established in 1925.

"Of the total decline in permits from May to June more than two-thirds of the drop occurred in the five boroughs of New York City. The total for the 214 cities outside the New York metropolitan area declined 16.4 percent. New York likewise suffered to a greater extent in contrasting last month's totals with a year ago, the drop there amounting to 46.4 percent while the outside cities declined only 3.2 per cent.

"A loss of 9.1 percent in the Pacific Coast group of cities between May and June is shown."

GRIFFITH CO. LOW BIDDER ON KERN PAVING

Los Angeles Firm Submits Figure of $320,753 For 5-Mile Contract

SACRAMENTO, July 24. — The low bid for grading and paving of 5.2 miles in Kern county between Port Tejon and one mile north of Grape Vine station was submitted to the California State Highway Commission today by the Griffith Company, 502 Los Angeles Railway Building, Los Angeles, at $320,753.

The Griffith Company was approximately eleven thousand dollars lower than Jahn and Bressi, Los Angeles, second low bidders.

Complete total bids follow:

Griffith Co., Los Angeles	$320,753
Jahn & Bressi, Los Angeles	331,414
J. L. McClain, Los Angeles	333,379
Southern Calif. Roads Co. L. A.	342,902
Union Paving Co., S. F.	352,488
United Concrete Pipe Corp., Los Angeles	375,457
Fredrickson & Watson and Fredrickson Bros., Oakland	386,862

The Griffith Company bid three-tenths of a cent on an item of 4,900,000 station yards estimated overhaul and $8 on 10,100 yards portland cement concrete in pavement. For excavation the Griffith company bid was 30 cents on 347,000 cubic yards. The bid of Jahn and Bressi on corresponding items was one-quarter cent for overhaul, $8.50 for pavement and 30 cents for excavation.

Eaton and Smith Bid $133,921 on Sixth St. Sewer

Eaton and Smith, 715 Ocean Ave., at $133,921 submitted the low bid yesterday to the Department of Public Works for construction of the Sixth street sewer between Howard and Brannan streets. The second low bid, offered by MacDonald and Kahn, was within a thousand dollars of the low figure at $134,811.

Complete total bids follow:

Eaton and Smith	$133,921
MacDonald and Kahn	134,81[illegible]
M. J. Lynch	137,9[illegible]
Healy-Tibbitts Const. Co.	138,3[illegible]
M. B. McGowan, Inc.	138,7[illegible]
Barrett & Hilp	140,75[illegible]
A. J. Raisch Co.	147,90[illegible]
Union Paving Co.	154,68[illegible]

LUMBER CODE MINIMUM COST PRICES DOWN

10% Reduction Designed To Stimulate Construction Activity

The National Lumber Code Authority last week announced a new schedule of minimum cost protection prices, effective July 20, to apply indefinitely and until modified by the administrator. Prices in the new schedule are approximately 10 per cent less than hitherto prevailing mill and wholesale prices for all the lumber items ordinarily used in house construction and cover 80 per cent of the lumber output, according to a bulletin of the National Lumber Manufacturers' Association.

Practically all grades of softwoods will be affected by the full amount of the reduction. Hardwoods, on the average, will not be so drastically reduced in price as the softwoods, as a relatively small quantity of them is used in small-home building. Woodwork products are being reduced at least as much as lumber.

The prices to be reduced are the carload, or wholesale, prices at the mill. The new schedules will carry price reductions in grades and sizes for most other purposes as well, such, for instance, as stock used in the manufacture of wooden packages.

"This action was taken by the Lumber Code Authority," according to John D. Tennant of Longview, Wash., Chairman of that body, "to aid the President in his effort to stimulate construction activity by a revival of home building and modernization; lumber is the principal structural material of residences. The reduction was decided upon in principal a month ago, but effective decision was postponed until today, pending NRA approval."

New Prices Will Be Enforced

New price lists, it was stated, are now being printed and will be rushed with all possible dispatch to all Divisional administrative agencies of the Authority.

The new prices are based upon an amendment to Article IX of the Lumber Code, which was approved today. Under that amendment the Administrator issued an order declaring that the emergency contemplated by the amendment exists an promulgating and approving new prices. This action is considered highly important, at is provides "a firm basis for the prosecution of price violators" and therefore insures general compliance with the new price schedules.

In brief, Article IX as amended, authorizes the Administrator to declare an emergency in regard to the maintenance of the purposes and provisions of the Lumber Code or of the National Industrial Recovery Act, whereupon he may "prescribe the f.o.b. mill and/or delivered reasonable costs and classifications of lumber and timber products" to be determined and established during the period of the emergency. The complex formula for determining production costs heretofore in use is now superseded by the declaration of reasonable costs by the Administrator.

The emergency order issued today declares that the purposes and provisions of the Lumber Code and the Act are seriously endangered and directs the establishment and enforcement of the new prices. The order directs that "no persons subject to the jurisdiction of said code shall sell or offer to sell or otherwise dispose of any products of the industries involved at less than the reasonable costs determined and today published by the Administrator."

Bids August 21 For Marysville State Building

Bids will be received August 21 by the State Division of Architecture at Sacramento for construction of the Division of Highways office building in Marysville to cost approximately $40,000.

The building will be similar to that being built for the Division of Highways in Stockton. The buildings are headquarters for district engineers.

The Marysville building is to be a one-story structure of brick and reinforced concrete, tile roof. Bids will be received for the general contract and separate proposals at the same time for electrical, plumbing and heating and ventilating contracts. The building was designed by State Architect George B. McDougall.

ARCHITECTS FOR THREE SCHOOLS NAMED BY BOARD

Bids August 8 For $60,000 Reconstruction Job Authorized

Architects were commissioned yesterday for three additional San Francisco schools to be financed from the $3,000,000 bond issue of 1933.

The Board of Public Works authorized private architects to proceed with plans as follows:

Sunshine-Buena Vista: Architects Martin J. Rist, Phelan Bldg.; Chas. F. Strothoff, 2274 Fifteenth Street; Smith O'Brien, 2032 Baker Street, and Albert Schroepfer, 681 Market Street.

Francis Scott Key: Architects William Mooser, Monadnock Bldg.; Edward A. Eames, 353 Sacramento Street; Douglas Dacre Stone, 110 Sutter Street.

Patrick Henry: Architects W. D. Peugh, 333 Montgomery Street, and Gardner A. Dailey, 210 Post Street.

The first contract under the new building program will be ready to advertise shortly after plans now in the hands of the State Division of Architecture for approval are returned. The plans are expected this week. This contract will be for erection of the three-story Academic unit of the George Washington High School which will occupy a site between Thirtieth and Thirty-second avenues and Geary and Balboa streets. Other units of the school for which plans are being prepared are the gymnasium, shops and auditorium. The total cost is estimated at $760,000. Architects Miller and Pflueger are designing the school. W. L. Huber is structural engineer.

Bids were authorized yesterday by the board for the structural alterations at Redding school, Pine and Larkin streets, necessary to bring the building into conformity with earthquake stress minima established by state law. This is one of the largest of the contracts included in the construction program and is estimated at $60,000.

Bids will be opened August 8. C. H. Snyder is the consulting structural engineer.

(Continued from Page 3)

to permit the installation of overflow gates. It will be approximately 320 ft. high above bedrock to raise the water in the river 72 ft. above the present river bed. It will be about 840 ft. long at the concrete crest, 100 ft. thick at bedrock, and 50.48 ft. thick at the spillway crest. Ot the total height 215 ft. will be submerged in the downstream tail water and sedimentation on the upstream side.

The diversion tunnels will be 29 ft. in diameter, one being 1780 ft. long and the other 1720 ft. Together the tunnels will have a total discharge capacity of 50,000 sec. ft.

The upstream coffer dam will be 82 ft. in height, of earth fill construction with 3-ft. riprap upstream facing. The downstream coffer dam will be of similar construction, with riprap facing on the downstream side.

The present contract includes excavation of forebay and trashrack area for a power plant, part of the development of the Parker Dam project planned for the future.

Complete bids follow:

(A) Six Companies Inc. of Delaware, Boulder City; H. W. Morrison, President. (Sched. 1). $1,100,814; (Sched. 2), $3,138,993; Total, $4,-239,834*.
(B) Southwestern Contracting Group, Inc., 609 S. Grand Ave., Los Angeles, (1) $1,283,017; (2) $4,213,-055.60; Total, $5,496,073.10*.
(C) West Constr. Co., 615 Richfield Bldg., Los Angeles; H. E. Carleton, Vice President, (1) $887,910.
(D) S. S. Magoffin & Co., Adrian, Oregon, (1) $948,177.

*Bid based on award of both Schedules. Neither will be accepted alone.

Bids were taken as follows:

SCHEDULE NO. 1

Construction of Diversion Tunnels, Forebay, and Roads

(1) 10,000 cu. yds. excav., all classes, stripping sand and gravel deposits;
(2) 7000 cu. yds. excav., common in open cut for diversion tunnels;
(3) 72,000 cu. yds. excav., rock in open cut for diversion tunnels;
(4) 108,800 cu. yds. excav., all classes, in diversion tunnels;
(5) 1000 cu. yds. excav., common, for forebay;
(6) 134,000 cu. yds. excav., rock, for forebay;
(7) 300 cu. yds. excav., all classes, in forebay sluice tunnel;
(8) 300 cu. yds. excav., all classes, for road structures;
(9) 1000 cu. yds. excav., common, for road;
(10) 68,000 cu. yds. excav., rock, for road;
(11) 754,000 sta. cu. yds. overhaul, for road;
(12) 100 cu. yds. rubble masonry;
(13) 425 lin. ft. laying 24-in. diameter corrugated metal pipe culverts;
(14) 24 M. gals. watering road subgrade;
(15) 800 cu. yds. placing gravel surf. on road;
(16) 12,600 gals. hauling and spreading road oil;
(17) 5400 sq. yds. finishing oil-treated road surfacing;
(18) 200 lin. ft. constructing timber guard rail;
(19) 300 MFBM furnishing and erecting permanent timbering in tunnels;
(20) 16,000 cu. yds. concrete in diversion tunnel lining;
(21) 200 cu. yds. concrete in diversion tunnel portals;
(22) 13,000 lbs. placing reinf. bars;

SCHEDULE NO. 2

Construction of Parker Dam

(23) 150,000 cu. yds. excav., all classes stripping sand and gravel deposits;
(24) 1,508,000 cu. yds. excav., common, for foundations of dam and cofferdams;
(25) 83,000 cu. yds. excav., rock, for foundation of dam;
(26) 18,000 cu. yds. excav., all classes, for spillway approach and road wye;
(27) 438,000 cu. yds. earth fill in cofferdams;
(28) 22,000 cu. yds. dumped rip rap;
(29) 100 cu. yds. rubble masonry;
(30) 150,000 cu. yds. removal of upstream cofferdam;
(31) 63,000 cu. yds. removal of downstream cofferdam;
(32) Lump sum, diversion and care of river during construction of tunnel plugs and unwatering tunnels;
(33) 7700 lin. ft. drilling grout holes not more than 25 ft. deep;
(34) 500 lin. ft. drilling grout holes more than 25 ft. deep and not more than 50 ft. deep;
(35) 500 lin. ft. drilling grout holes more than 50 ft. deep and not more than 100 ft. deep;
(36) 5800 cu. ft. pressure grouting foundation;
(37) 1700 cu. ft. pressure grouting contraction joints and cooling system;
(38) 200 lin. ft. drilling holes for anchor bars and grouting bars in place;
(39) 260,000 cu. yds. concrete in dam;
(40) 15,400 cu. yds. concrete in spillway bridge piers, gate guides, and stairway shaft;
(41) 1150 cu. yds. concrete in operating house;
(42) 870 cu. yds. concrete in curbs, parapets, and roadway bridges;
(43) 480 cu. yds. concrete in spillway gate counterweights;
(44) 5200 cu. yds. concrete in trashrack structure & forebay sluice tunnel bulkhead;
(45) 4400 cu. yds. concrete in diversion tunnel plugs;
(46) 1,861,000 lbs. placing reinforcement bars and fabric;
(47) 6000 sq. yds. special finishing of concrete surfaces;
(48) 700 sq. yds. installing conc. floor topping and base;
(49) Lump sum, furnishing, installing, and operating concrete cooling plant;
(50) 220,000 lbs. installing metal tubing, pipe and fittings for conc. cooling system;
(51) 74,000 lbs. installing grout pipe and fittings;
(52) 10,000 lin. ft. installing metal sealing strips in contraction joints;
(53) 3,125,000 lbs. installing spillway gates, gate frames, gate and counterweight guides, and counterweight hangars;
(54) 975,000 lbs. installing spillway gate hoists and operating and control mechanism;
(55) 770,000 lbs. installing trash-rack metal work;
(56) 38,300 lbs. installing traveling crane, crane rails and crane beams;
(57) 15,500 lbs. installing cast iron pipe and castings in roadway and roof drains;
(58) 4000 lbs. installing pipe hand railings;
(59) 7600 lbs. instal. metal stairways and hatchway frames and covers
(60) 650 lbs. installing metal louvers;
(61) 20 sq. ft. installing metal doors;
(62) 540 sq. ft. instal. metal sash windows;
(63) 12,000 lin. ft. install electric metal conduits;
(64) 3000 lbs. instal. elec. conductors;
(65) 36,000 lin. ft. installing resistance thermometers, joint-meters and strain-meters.

Unit bids follow:

SCHEDULE NO. 1

	(A)	(B)	(C)	(D)
(1)	$ .18	$ .22	$ .30	$ .30
(2)	.40	.50	.60	.40
(3)	.90	1.43	.92	1.05
(4)	6.00	5.80	4.20	4.75
(5)	.50	.50	.92	.96
(6)	1.00	1.70	.92	.96
(7)	14.00	12.75	12.00	13.00
(8)	2.40	5.55	2.00	2.00
(9)	.40	.26	.76	.83
(10)	.72	1.40	.76	1.20
(11)	.015	.005	.01	.005
(12)	9.60	12.00	9.00	12.00
(13)	1.80	.90	2.00	.60
(14)	3.50	10.00	3.00	10.00
(15)	2.40	3.80	2.00	1.00
(16)	.05	.15	.04	.02
(17)	.07	.30	.06	.05
(18)	.90	1.00	.60	1.00
(19)	90.00	120.00	75.00	80.00
(20)	9.00	10.10	8.75	6.20
(21)	12.00	19.65	10.00	15.00
(22)	.018	.015	.02	.02

SCHEDULE NO. 2

	(A)	(B)
(23)	$ .18	$ .22
(24)	.70	1.50
(25)	2.70	1.50
(26)	.70	1.50
(27)	.22	.14
(28)	.60	1.00
(29)	9.30	12.00
(30)	.35	.22
(31)	.50	.35
(32)	28,000.00	13,500.00
(33)	1.00	1.00
(34)	2.30	2.00
(35)	4.50	4.00
(36)	1.75	2.00
(37)	1.75	2.00
(38)	1.75	1.25
(39)	3.70	4.33
(40)	14.00	5.32
(41)	29.00	27.79
(42)	21.00	20.28
(43)	9.00	8.20
(44)	17.50	9.86
(45)	9.00	3.22
(46)	.018	.015
(47)	.60	.60
(48)	1.00	.70
(49)	22,000.00	26,000.00
(50)	.09	.10
(51)	.09	.13
(52)	.30	.50
(53)	.02	.025
(54)	.02	.05
(55)	.03	.02
(56)	.02	.025
(57)	.03	.05
(58)	.09	.07
(59)	.04	.07
(60)	.10	.10
(61)	1.00	2.00
(62)	.50	1.50
(63)	.20	.25
(64)	.50	.65
(65)	.10	.07

NEW PRICE LIST

The new price list on Parker Tube Couplings and associated equipment is out, and copies may be obtained by writing the Parker Appliance Co., 10320 Berea Rd., Cleveland, Ohio.

STATE HIGHWAY AWARDS

Following are principal State Highway Construction Contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idaho in the four weeks period ending July 26:

Constructing Authority	Contract	Contractor	Bids	Date Awarded
California Highway Commission	22.7 mi. fuel oil treatment, San Bernardino and Riverside Cos	Geo. Herz & Co., San Bernardino	$ 11,920.70	June 29
California Highway Commission	42.1 miles fuel oil treatment, Ventura County	Consumers Oil Co., L. A.	$ 8,480.00	June 29
California Highway Commission	31.7 miles fuel oil treatment, Riverside County	Morgan Bros., Huntington Park	$ 5,757.75	June 29
State Board of Harbor Commissioners, San Francisco	Pier Shed Extension, Pier 42	Meyer Const. Co., San Francisco	$ 13,750.00	June 29
California Highway Commission	25.7 miles fuel oil treatment, Inyo and Mono Counties	Paulsen & March, Inc., Los Angeles	$ 6,747.00	July 3
California Highway Commission	Maintenance station buildings, Coalinga	D. A. Loomis, Glendale	$ 5,528.00	July 5
Oregon Highway Commission	Concrete abutments, grading paving, Jackson County	Hoffman Const. Co., Portland	$ 39,692.00	July 5
Idaho Highway Commission	17.123 miles bituminous surf. Blaine County	Western Const. Co. Pocatello and Wm. Hoops, Twin Falls	$ 48,178.45	July 6
Nevada Emergency Relief Administration	Drought relief pumping, Lake Tahoe to Truckee river	Dodge Bros. Const. Co. Fallon, and Jack Latourette, Sacto.	$ 64,850.00	July 6
Nevada Highway Commission	0.23 mile bridge and approaches, Lincoln County	Silver State Const. Co Fallon	$ 22,941.80	July 6
California Highway Commission	1.4 miles widen and pave, Potrero Ave., San Francisco	Union Paving Co., San Francisco	$164,115.00	July 10
California Highway Commission	0.6 mile surfacing, Napa Co.	E. A. Forde, San Anselmo	$ 14,577.00	July 10
California Highway Commission	9.6 miles seal coat Siskiyou co.	Hanrahan Co., San Francisco	$ 8,119.80	July 10
Utah Highway Commission	Bridges and culvert, Wasatch County	Strong and Grant, Springville	$ 14,961.66	July 11
Nevada Highway Commission	4.77 miles highway reconstructon, Pershing County	Union Paving Co., San Francisco	$ 66,648.60	July 11
Washington Highway Comm.	17.9 miles surfacing, Whitman County	I. C. Compton, McMinnville, Ore.	$ 49,887.00	July 12
Washington Highway Comm.	14.7 miles surfacing and 0.9 mi. grading, Grays Harbor and Pacific Counties	R. O. Dall & Warren Bros., Aberdeen	$174,856.00	July 12
Washington Highway Comm.	9.6 miles paving, Clallam Co.	Erickson Paving Co., Seattle	$187,808.00	July 12
Washington Highway Comm.	Bridge and undercrossing, Chelan County	T. D. MacNeil, Mount Vernon	$ 40,610.00	July 12
California Highway Comm.	23.3 miles oil treatment and seal Coat, Los Angeles and Orange Counties	Sunset Decomposed Granite Co., L. A.	$ 9,882.00	July 13
California Highway Comm.	"M" Street bridge, Yolo & Sacramento Counties	Geo. Pollock Co., Sacramento	$907,365.00	July 14
Arizona Highway Commission	1.15 miles paving and widening, Glendale	Phoenix Tempe Stone Co., Phoenix	$ 29,393.19	July 14
Arizona Highway Commission	Underpass, Flagstaff	N. G. Hill & Co. & H. L. Royden, Phoenix	$ 74,425.15	July 14
California Highway Comm.	1.5 miles grading, Orange Co.	Sharp & Fellows Co., Los Angeles	$ 4,908.00	July 17
California Highway Comm.	Bridges, Kings County	Robert D. Paterson, Santa Barbara	$ 12,745.00	July 17
California Highway Comm.	28.5 mi. fuel oil treatment, San Bernardino County	Geo. Herz & Co., San Bernardino	$ 13,964.00	July 17
California Highway Commission	Two bridges, Los Angeles Co.	B. O. Larsen, San Diego	$ 70,981.00	July 19
California Highway Commission	San Gabriel river bridges, Los Angeles county	B. O. Larsen, San Diego	$ 70,961.00	July 19
California Highway Commission	Maintenance station buildings, Saratoga Gap	Theo. Johanns, S. F.	$ 6,890.00	July 21
California Highway Commission	16.4 miles fuel oil treatment, Madera County	Granite Const. Co., Watsonville	$ 8,940.00	July 23
California Highway Commission	Pier protection, Yuba County	Bundesen & Lauritzen Pittsburg	$ 8,885.00	July 23
California Highway Commission	Clean and paint overhead crossing, San Bernardino County	George Hess, Los Angeles	$ 11,875.00	July 25

Phone TRinity 0241 for —
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel

Consolidated Rock Products Co.
656 S. Los Angeles St. Los Angeles, Calif.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
355	Same	Same	1000
356	Fleming	Owner	2000
357	Marty	Disston	1565
358	Pauson	Schel	8000
359	Galea	Lind	1780
360	Parrott	Martin	2500
361	Kafkas	Owner	1000
362	Glide	Hansen	4000

HOIST CANOPY
(354) SE 27th and CHURCH STS.; one-story steel hoist canopy.
Owner—H. Higueret, 1501 Church St.
Architect—Michel & Pfeffer Iron W'ks, 1415 Harrison St.
Contractor—E. H. Oxendine, 1707 23rd Avenue. $1000

STEEL CANOPY
(355) SE 27th and CHURCH STS.; one-story steel canopy.
Owner—H. Higueret, 1501 Church St.
Architect—Michel & Pfeffer Iron W'ks, 1415 Harrison St.
Contractor—E. H. Oxendine, 1707 23rd Avenue. $1000

ALTERATIONS
(356) 1337 VAN NESS AVE. SOUTH; alter flats.
Owner—G. K. Fleming, 1337 Van Ness Ave. South.
Architect—Not Given. $2000

ALTERATIONS
(357) 2926 ARMY ST.; alter flat and store.
Owner—Frank Marty, 2926 Army St.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission Street. $1565

ALTERATIONS
(358) NO. 200 KEARNY ST. Alter store.
Owner—Pauson & Co., Premises.
Architect — Miller & Pflueger, 580 Market St., San Francisco.
Engineer—W. L. Huber, Crocker First National Bank Bldg., S. F.
Contractor—Fred W. Schell, 1651 24th Ave., San Francisco. $8000

ALTERATIONS
(359) NO. 1575 LA SALLE ST. Alter dwelling.
Owner—L. Galea, Premises.
Architect—Not Given.
Contractor—R. Lind, 54 Stanton St., San Francisco. $1780

ALTERATIONS
(360) NO. 69 FIFTH AVE. Alter dwelling.
Owner — Dr. J. C. Parrott, 2000 Van Ness Ave., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor — W. Martin, 666 Mission St., San Francisco. $2500

ALTERATIONS
(361) NO. 379 CLEMENTINA ST. Alter flats.
Owner—Peter Kafkas, Premises.
Architect—Not Given. $1000

ALTERATIONS
(362) NO. 322 ELLIS ST. Alter hotel apartments.
Owner—Glide Foundation Inc., Prem.
Architect—James W. Plachek, Mercantile Bldg., Berkeley.
Supt. of Construction—C. H. Hansen, 148 Chester St., S. F. $4000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
294	Adams	Applebe	7000
295	Oakland	Bartlett	1110
296	Same	Same	1110
297	Same	Same	15540
298	Wallin	Owner	3800
300	Barr	Owner	5700
301	Ahoscal	Owner	1920
302	Pressler	Owner	3500

RESIDENCE
(294) 730 SPRUCE ST., **BERKELEY**; one-story 6-room residence.
Owner—George P. Adams, 745 Santa Barbara Road, Berkeley.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Frank G. Applebe, 2405 Acton St., Oakland. $7000

ADMINISTRATION BLDG.
(295) NW COR. TENTH and Union Streets (Cole School), **OAKLAND**; one-story administration bldg.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—Will G. Corlett, 1025 2nd Ave., Oakland.
Contractor — John M. Bartlett, 1706 Parker St., Berkeley. $1110

SANITARY BLDG.
(296) NW COR. TENTH and Union Streets (Cole School), **OAKLAND**; one-story sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—Will G. Corlett, 1025 2nd Ave., Oakland.
Contractor — John M. Bartlett, 1706 Parker St., Berkeley. $1110

CLASSROOM BLDG.
(297) NW COR. TENTH and Union Streets (Cole School), **OAKLAND**; one-story 1-room classroom bldgs. (14 buildings).
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—Will G. Corlett, 1025 2nd Ave., Oakland.
Contractor — John M. Bartlett, 1706 Parker St., Berkeley. $1110 ea.

DWELLING
(298) No. 2935 SEVENTY-FIFTH Ave., **OAKLAND**. Two-story 6-room dwelling.
Owner—Folke Wallin, 2150 50th Ave., Oakland.
Architect—Not Given. $3800

DWELLING & GARAGE
(300) 4347 HARBOARD DR., **OAKLAND**; two-story six-room brick dwelling and 1-story brick garage.
Owner and Builder—Robert J. Barr, 596 Chetwood St., Oakland.
Architect—Not Given. $5700

DWELLING
(301) NO. 11060 SAN LEANDRO ST. **OAKLAND**. One-story four-room dwelling.
Owner—M. Aboscal, 11057 Apricot St., Oakland.
Architect—Not Given. $1920

DWELLING
(302) NO. 4138 LYMAN ROAD, **OAKLAND**. One-story 5-room dwlg.
Owner—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given. $3500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
72	Parrott	Martin	2500

ALTERATIONS
(72) NO. 62 FIFTH AVE. All work for alterations and additions to frame dwelling and garage.
Owner — Dr. J. C. Parrott, 2000 Van Ness Ave., San Francisco.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor — W. Martin, 666 Mission St., San Francisco.
Filed July 25, '34. Dated July 24, '34.
Upon completion 75%
Usual 35 days 25%
TOTAL COST, $2500
Bond, limit, forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
47	Adams	Appelbe	7242
48	Taylor	Lapham	8718

RESIDENCE
(47) 730 SPRUCE ST., Berkeley; one-story 6-room residence.
Owner—Mrs. Geo. P. Adams, Berkeley.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Frank G. Appelbe, 2405 Acton St., Berkeley.
Filed July 20, '34. Dated July 19, '34.
Frame completed $1,810.63
Brown coated 1,810.63
Completion 1,810.62
Usual 35 days 1,810.62
TOTAL COST, $7,242.50
Limit, 85 days. Plans and Specifications filed.

RESIDENCE
(48) LOT 108 Lakeshore Manor, Oakland; two-story frame residence.
Owner—Leo Taylor, 5924 Contra Costa Road, Oakland.
Architect—I. M. Johnson, 2215 Seventh Ave., Oakland.
Contractor—T. H. Lapham, 546 Kenmore Ave., Oakland.
Filed, July 25, '34. Dated, July 7, '34.
Frame up $2,179.50
Plastered 2,179.50
Completion 2,179.50
Usual 35 days 2,179.50
TOTAL COST, $8,718.00
Limit, 100 days. Plans and Spec. filed.

SAN FRANCISCO UNDER $1000

ALTER store and dwelling, $100; 401 Edinburgh St.; owner, Mrs. H. Zenone, Premises.
SIGN, electric, $150; 832 Great Highway; owner, Edmund Fey, 832 Great Highway; contractor, QRS Neon, 690 Potrero Ave.
ALTER dwelling, $15; 337 Detroit St.; owner, Mr. and Mrs. A. E. Smith, 859 Van Ness Ave. South.
ALTER store, $64; 2203 Union Street; owner, Mrs. J. J. Pfester, Berkeley; contractor, C. J. Koenig & Sons, 520 Church St.
ALTER dwelling, $175; 32 Bixby St.; owner, H. F. Schobel, Premises.
SIGN, electric, $150; 2229 Irving St.; owner, Zelma Turkletop, Premises contractor, QRS Neon, 690 Potrero Ave.
SIGN, electric, $150; 4637 Mission St.; owner, Ideal Restaurant, 4637 Mission St.; contractor, QRS Neon Corp., 690 Potrero Ave.
ALTER store rom, $30; 46 Went-

worth Place; owner, Lo Chung, 46 Wentworth Place; contractor, Frank Yick, 670 Washington St.

BUILDING, one-story one - room frame, $200; N Thrift 265 E Orizaba St.; owner, R. A. Carroll, 2204 Union St.

ALTER present office and add two new offices, $800; NE Third and Mariposa Sts.; owner, Signal Oil and Gas Co., 2301 Blanding Street, Alameda.

ALTER flats, $125; 460 Lombard St.; owner, J. B. Shurla, Premises.

SIGN, electric, $30; SW Kearny and Sutter Sts.; owner, Sherman Clay & Co., Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

SIGN, electric, $100; 1824 Irving St.; owner, Hughes Tavern, Premises; contractor, Laib, 7th and Folsom.

BARBER pole, $25; 1733 Post Street; owner, T. Kasuga, Prem.; contractor, Aetna Electric Co., 1435 Eddy St.

SIGN, electric, under $500; 43 Third St. (The Barrell House); owner, Rainier Brewing Co., 150 Bryant St.; contractor, Atlas Elec. & Engr. Corp. 343 4th St.

REPAIR fire damage to dwelling, $900 10 Bache St.; owner, Emma Grisler, 1072 Brunswick St.

ALTER store, $300; 492 Third Street; owner, M. J. McKeever, 50 Zoe.

BILLBOARD, $12.50; E San Jose Ave. 82 S Naglee St.; owner, Foster & Kielser Co., 1675 Eddy St.

SIGN, electric, under $500; 61 Third St. (Schnitzelbank); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 807 Lincoln Way (The Shamrock); owner Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 518 Ellis St. (The Hoot Owl); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

SIGN, electric, under $500; Sixth and Mission Sts. (Murry's); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Electric & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 3049 20th St. (O'Rourke's); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

ALTER restaurant, $175; NW Lombard and Laguna Sts.; owner, A. Bovani, Premises.

ALTER dwelling, $300; 712 San Bruno Ave.; owner, John Popin, Prem.

SIGN, electric, under $500; 99 Sixth St. (The Span Buffet); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Electric & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 1598 Pacific Ave (Sanderval's Tavern); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 659 Third St. (Old Corner Lunch); owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 132 4th St. (Kenny Bros.); owner, Rainier Brewing Co., 1550 Bryant Street; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

SIGN, electric, under $500; 3216 22nd St., 22nd St. Tavern; owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

REPAIR fire damage to flats, $111; 24½ Ford St.; owner, J. V. Ellis, Premises.

ALTER dwelling, $50; 379 30th Ave.; owner, Mrs Nell Gardner, Prem.

ALTER apartments, $50; 860 Geary St.; owner, A F. Schleicher Est.; 115 Moncado Way; contractor, C. Delaney, 1715 Eddy St.

ALTER dwelling, $50; 2815 24th St.; owner, Fred Imsand, % Contractor; contractor, J. B. Ganley, 299 22nd Avenue.
22nd Aenue.

ALTER flats, $10; 581 3rd Ave.; owner, Edw. Rosenbaum, 1317 Grove.

GARAGE, private, $150; 1485 Clay St.; owner, C. Esatta, 1485 Clay Street; contractor, California Concrete Co. 1632 Steiner St.

SIGN, electric, $200; 3300 Scott St.; owner, Dr. Clayton, 3300 Scott St.; contractor, Pioneer Elec. Co., 2128 Market St.

ALTER rooming house, $80; 23 Cooper Alley; owner, Mr. Bechell, 1734 Broderick St.; contractor, L. Salomon, 1734 Broderick St.

ALTER rooming house $300; 239 Broderick St.; owner, E. Wicks, 239 Broderick; architect, C. C. Bedford, 1214 Fell St.

SIGN, wood, $15; 936 Market Street; owner, H. Brussels, 936 Market St.

ALTER apt., $125; 1628 Bush Street; owner, Peter Christensen, 1628 Bush Street.

SIGN, electric, $65; 34 Montgomery; owner, Globe Brewing Co., 34 Montgomery St.; contractor, Pioneer Electric Co., 2128 Market.

SIGN, electric, $175; 2201 Fillmore St.; owner, Lane Drug Co., 2201 Fillmore St.; contractor, Apex Elec. Co., 363 Fell St.

SIGN, electric, $100; 439 Powell St.; owner Goodfellow Grotto, 439 Powell St.; contractor, Q.R.S. Neon Corp., 690 Folsom St.

ADDITION to apts., $215; 1025-29 Ellis St.; owner T. Tormey, 1936 McAllister Street; contractor, Arnke Iron Works, 780 Brannan St.

ALTER flats, $250; SW Corner Union and Buchanan Sts.; owner, E. A. Cudworth, 2959 Buchanan St.

STUCCO flats, $700; 2100 Divisadero; owner, T. A. Lundstrom, 434 4th Street.

ALTER dwelling, $800; 12-A Bache; owner, John and Effie McInnes, 12-A Bache; contractor, Claude T. Lindsay, 4363 26th St.

BILLBOARD, $12.50; E Potrero 69 N 18th St.; owner, Foster & Kleiser Co., 1675 Eddy St.

ALTER store, $300; SE Geary and 16th Ave.; owner, M. Schwartzbaum, 2201 Sacramento St.; contractor, Thos. M. Jones, 643 29th Avenue.

ALTER dwelling, $175; 716 San Bruno; owner, Mario Muzio, 2255 Francisco St.; contractor, G. Carraro & Sons, 750 Felton St.

ALTER dwelling, $490; 3248 Washington St.; owner, Craig Carrier, 3248 Washington St.; contractor, H. E. Muser, 2516 California St.

SIGN, electric, $100; 2816 California; owner, California Inn, 2816 California St.; contractor, American Electric Co., 1740 Eddy St.

GREASING station, 1-story Class A, $600; SW corner 17th & Valencia; owner, Standard Stations, Inc., 200 Bush St.; contractor, Standard Oil Co., 225 Bush St.

ALTER dwelling, $500; 157 Santa Ana; owner, Dr. T. McGavack, 157 Santa Ana; contractor, Fred K. Dupuy, 110 Sutter St.

ALTER hardware store, $250; 1400 Howard St.; owner, T. W. Corder, Inc., 67th and Bay, Emeryville; contractor, Frank A. Stead, 3206 Boise St., Berkeley.

SIGN, electric, $100; 117 3rd St.; owner, Wilde Cafeteria, Inc., 117 3rd; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALAMEDA COUNTY UNDER $1000

ADDITION, $50; 1525 Fruitvale Ave., Oakland; owner, R. Burger, Prem.

FIRE repairs, $40; 5322-24 San Pablo Ave., Oakland; owner, J. T. Towle, 867 Dutton Ave., San Leandro.

FIRE repairs, $45; 1010 Center St., Oakland; owner, B. D. Racco, 1010 Center St., Oaklrnd; contractor, A. H. Rose, 478 25th St.

SIGN, metal, $50; 7928 E-14th St., Oakland; owner, Chas. H. Wielson Premises.

FIRE repairs, $175; 1479 7th St., Oakland; owner, M. Dangott; contractor, A. H. Rose, 478 25th St.

SIGN, cloth, $20; 319 14th St., Oakland; owner, W. B. Fawcett, 319 14th St.; contractor, T. W. Sondeleiter, 221 Athol Ave.

ALTERATIONS, $275; 2212 Channing Way, Berkeley; owner, H. Smith, 2712 Channing Way; contractor, Geo. McMahon, 359 Colusa St.

ADDITION, $100; 2526 Webster St., Oakland; owner, Mrs. H. Miller, 2526 Webster St.

ALTERATIONS, $150; 638 San Luis Road, Berkeley; owner, Louise E. Titus; contractor, S. M. Shapero, 1849 Arch St.

SHED, 1-story, $150; 2424 73rd Ave., Oakland; owner and contractor, Mrs. Moyer, 2424 73rd Ave., Oakland.

ADDITION, $175; 1606 81st Ave., Oakland; owner and builder, Elizabeth Girand, 1606 81st Ave., Oakland.

ADDITION, $200; 1366 El Centro Avenue, Oakland; owner and contractor, O. B. Gall, 1366 El Centro Ave., Oakland.

SIGN, electric, $140; 1430 Harrison St. Oakland; owner, Laurence Anderson ;contractor, Radiant Neon Display, 2561 San Pablo Avenue, Oakland.

SIGN, electric, $100; 8209 Foothill Blvd., Oakland; owner, Eastmont Pharmacy; contractor, Getz Elec. Sign Co., 3140 E 10th St., Oakland.

SIGN, electric, $150; 98th Avenue and Sunnyside St., Oakland; owner and contractor, U. S. L. Battery Corp. 98th Ave. and Sunnyside St., Oakland.

REPAIRS, $50; 529-31 35th St., Oakland; owner and contractor, W. A. Bowman, 2451 Havenscourt Blvd., Oakland.

REPAIRS, $500; 287 Cross Roads, Oakland; owner and contractor, Veterans' Welfare Board, 364 14th St. Oakland.

ADDITION, $400; 3117 62nd Avenue, Oakland; owner and contractor, Wm. Wasarhaley, 3117 62nd Ave., Oakland.

ADDITION, $500; 2675 68th Avenue, Oakland; owner, R. B. Reppen, 2675 68th Ave., Oakland; owner, Wm. Merritt, 1926 47th Ave., Oakland.

SIGN, electric, $150; 98th Ave., and Sunnyside St. Oakland; owner and contractor, U. S. L. Battery Corp., 98th Ave. and Sunnyside Street, Oakland.

SIGN, electric, $60; 4745 East 14th St., Oakland; owner, Jack's Doughnuts contractor, Getz Elec. Sign Co., 3140 E 10th St., Oakland.

ALTERATIONS, $100; 2225 Telegraph Ave., Berkeley; owner, F. Haines, Whitecotton Hotel, Berkeley; contractr, East Bay Refinery Prod., 941 Aileen St., Oakland.

ALTER roof, $152; 1943 Vine Street, Berkeley; owner, G. B. Cole, 1943 Vine St., Berkeley; contractor, Elliott & Elliott, 1429 66th Ave., Oakland.

SIGN, cloth, $5; SW 17th and Franklin St., Oakland.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Plans Completed—To Take Bids Next Week.

APARTMENTS Cost, $5,000
SUISUN, Solano Co., Calif.
One-story three-unit frame and stucco apartment (stucco exterior, shingle roof, gas floor furnaces; each unit will have two rooms and bath).
Owner—Withheld.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Bids will be taken by the architect next week from a selected list of Solano county contractors.

Plans Being Figured

ALTERATIONS Cost, $——
SAN FRANCISCO. 1060 Pine Street.
Alterations and addition to three-story frame flat building for apartment building to contain 12 apts. (work involves carpentry plumbing, tile work, painting, stairs, etc.)
Owner—Withheld .
Architect—A. H. Knoll, Hearst Bldg.
Bids on portions of work to be subcontracted are being taken by superintendent on job site.

2— BONDS

BOND SALE

FRESNO, Fresno Co., Calif.—Until August 23, Fresno city commission will receive bids for the sale of $375,000 in 4% municipal improvement bonds. The bond proceeds will finance construction of the Municipal Auditorium for which plans are being prepared. Architects W. D. Coats, Jr., Fred L. Swartz, H. Rafael Lake, E. J. Kump, E. W. Peterson and Charles H. Franklin.

BOND SALE

SONOMA COUNTY, Cal. — Until August 6, 2 P. M., blds will be received by the Sonoma County Board of Supervisors, Court House, Santa Rosa, for sale of an issue of $190,000 in Analy Union High School District bonds. Bonds, together with PWA grant will finance construction of two story reinforced concrete high school building.
Plans are being prepared by Architects Louis Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.

4 — FACTORIES & WAREHOUSES

Plans Complete—To Ask Bids Shortly

BULKHEAD BLDG. Cost, $100 000
SAN FRANCISCO. Waterfront bet. Piers No. 38 and 40.
Bulkhead building (2-story steel frame timber wall, stucco front, tar and gravel roof (40x450) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.
Owner—State of California (Harbor Commission) Ferry Bldg.
Engineer—Frank G. White, Ferry Building.

CONTRACT AWARDED

SARATOGA GAP, Santa Cruz Co., Cal.—Theodore Johanns, 2020 15th St., San Francisco, at $6890 awarded contract by Department of Public Works, Division of Highways, Sacramento, for erection of maintenance station buildings at Saratoga Gap.

CONTRACT AWARDED

OAKLAND, Calif.—D. A. Pancoast Co., 26 O'Farrell St., San Francisco, at $2938 awarded contract by Oakland Port Commission for furnishing and installing 16 steel rolling doors and two fire doors in Terminal Warehouse "E" now under construction at the Outer Harbor.

Additional Sub-Contracts Awarded

WAREHOUSE Cost, $25,000
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse (concrete work, steel sash, etc.)
Owner—Edward J. Neil.
Architect—Dodge Riedy, Pacific Bldg.
Lessee—Hyman Rosenthal, 850 Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.
Finish Hardware — Marshall - Newell Supply Co., Spear and Mission Sts.
Sheet Metal—Atlas Heating & Ventilating Co., 557 Fourth Street.
Millwork — Buttons Planing Mill, 34 Sheridan Street.
As previously reported, lumber contract awarded to Loop Lumber Co.; steel sash, reinforcing steel, to Soule Steel Co.; structural steel to Western Iron Works; steel rolling doors, Acme Partition Co.; plumbing, F. W. Snook; heating to Skelly and Kohler; miscellaneous iron to Patterson and Koster; electrical to Collonan Electric & Mfg. Company.

Bids Wanted—To Close July 31, 4 P. M. (postponed from July 17).

WHARF AND SHED Cost, $725,000
STOCKTON, San Joaquin Co., Cal. Port of Stockton.
Fireproof wharf (1740 feet in length) wood piling, transit shed in four continuous unit to contain 180,000 sq. ft. of floor space; steel construction, built-up roof, etc.)
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall.
Plans have been issued to the following:
MacDonald & Kahn, Financial Center Bldg., San Francisco.
Healy Tibbitts Construction Co., 64 Pine St., San Francisco.
A. W. Kitchen, 110 Market St., S. F.
Barrett & Hilp, 918 Harrison St., San Francisco.
M. B. McGowan, 74 New Montgomery St., San Francisco.
Dinwiddie Construction Co., Crocker Bldg., San Francisco.
John Hackman, Farmington Road and Walker Sts., Stockton.
Merritt Chapman & Scott, San Pedro.
Ben C. Gerwick, Inc., 112 Market St., San Francisco.
P. Sinnock, 147 W-Scotts St., Stockton.
Dyer Bros., 17th and Kansas Sts., San Francisco.
Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Moore Dry Dock Co., Balfour Bldg., San Francisco.
Eddy Electric Co., 309 E-Weber St., Stockton.
Herman Lawson, 465 Tehama St., San Francisco.
Soule Steel Co., 1750 Army St., San Francisco.
Judson-Pacific Co., 609 Mission St., San Francisco.
Independent Iron Wolks, 821 Pine St., Oakland.
Miller Hays Co., 742 E-Weber St., Stockton.
Franke Electric Co., 748 E-Weber St., Stockton.
Robert E. McKee, 108 E-Sixth St., Los Angeles.
Virginia Bridge & Iron Works, Roanoke, Virginia.
Minneapolis Moline Power & Implement Co., 933 Chapman Bldg.
Rocca & Caletti, Box 243, San Rafael.
Rolph Mills & Co., 525 Market St., San Francisco.
Golden Gate Iron Works, 1541 Howard St., San Francsico.
Schuler & McDonald, 1723 Webster St., Oakland.
George M. Robinson, 389 Clementina St., San Francisco.
Geiger Iron Works, Scotts Ave. and Union St., Stockton.
M. J. Bevanda, Elks Bldg., Stockton
Duncanson Harrelson, deYoung Bldg., San Francisco.
Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
W. T. Gibson, 123 S-Grant Street, Stockton.
Glenn Falls Indemnity Co., Mills Bldg., San Francisco.
Stockton Iron Works, Stockton.
Raymond Concrete Pile Co., 140 Cedar St., New York City.
Bridge Builders, Inc., Outer Harbor, Oakland.
Square Electric Co., 1536 S-Grant St., Stockton.
Grider Electrical Co., 409 E-Weber St., Stockton.
Truscon Steel Co., 604 Mission St., San Francisco.
Hild Electric Mfg. Co., 125 W-Main St., Stockton.
Grinnell Co. of the Pacific, 601 Brannan St., San Francisco.
George Pollock, 1013 Forum Bldg., Sacramento.

Work Being Done By Day Labor

APARTMENTS Cost, $4,000
SAN FRANCISCO. 322 Ellis Street.
Alterations to hotel apartments.
Owner—Glide Foundation, Inc., 322 Ellis Street.
Architect—Jas. W. Plachek, Mercantile Bldg., Berkeley.
C. H. Hansen, 148 Chester St., San Francisco, is superintendent of construction. Work is being done by day labor.
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Sub-Contracts Awarded

REPAIRS TO APT. Cost, $——
BERKELEY, Alameda Co., Calif. 1540 Walnut Street.
Repair fire damage.
Owner—Mrs. A. Hinkley.
Private Plans.
Contractor—Willis F. Lynn, 1037 Ashmount Ave., Oakland.

Following sub-contracts awarded:
Roofing—Guy Tyler, 1502 Cedar Street, Berkeley.
Plastering—Parish Bros., 2415 Oregon St., Berkeley.
Electrical—Fred Schmidts, 428 Moss Ave., Oakland.

Contract Awarded
DISTILLERY Cost, $10,000 (excluding equipment)
ESCALON, San Joaquin Co., Calif.
One-story wood frame and corrugated iron distillery (wood trusses, concrete floors, composition roof).
Owner—Petri Wine Co., Battery and Vallejo Sts., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Louis Franceschi, 1408 Jefferson St., San Francisco.

Contract Awarded
FACTORY Cost, $——
CORNING, Tehama Co., Calif.
One-story canning plant (89x186-feet) corrugated iron siding.
Owner—Corning Olive Growers' Assn. (H. K. Shirk, Secretary) Corning.
Architect—Not Given.
Contractor—F. H. Neilson, 96 Eighth St., Orland.

6—GARAGES & SERVICE STATIONS

Contract Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. Main and Mission Streets.
Alterations and additions to service station (add one steel bldg., etc.)
Owner—Standard Oil Co., 225 Bush St.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison Street.

Plans Being Figured.
SERVICE STATION Cost, $10,000
STOCKTON, San Joaquin Co, Calif. California and Oak Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Planned
SERVICE STATION Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. 422 Sixteenth Street.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner. About six months will be required to complete acquisition of site.

Plans Being Figured
SERVICE STATION Cost, $——
SAN FRANCISCO. Pine and Franklin Streets.
Steel and concrete service station (steel sides and roofing, concrete floors, steel sash, plate glass, toilets, etc.)
Owner—Union Oil Co., 220 Bush St.
Architect—Edith Northam, 3052 West Pico Blvd., Los Angeles.
Plans have been issued to a selected list of contractors. Bids close in about ten days.

7—FEDERAL BUILDING

Bids Wanted—Close Aug. 28, 3 P. M.
UTILITY BLDG. Cost, $117,900
YOSEMITE PARK, Merced Co., Calif.
One- and two-story utility bldg. (70x260) reinforced concrete wall, steel frame, hollow tile partitions, cement floor, asbestos shingle roof, oil-fired steam heating system.
Owner—U. S. Government (National Park Service) Underwood Building San Francisco.
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.

Bids will be received by Park Superintendent C. J. Thompson, Yosemite National Park. Plans are available from Mr. Thompson on deposit of $10 per set.

LOW BIDDER
MARCH FIELD, Riverside Co., Cal. —DeCamp-Hudson Co., 1277 W. 24th St., Los Angeles, submitted the low bid to Constructing Quartermaster at March Field for construction of ordnance magazines.

PREPARING PLANS
SAWTELLE, Los Angeles Co., Cal. —Veterans' Administration, Construction Division, Arlington Bldg., Washington, D. C., is preparing plans for a new administration building and a storehouse to be erected at the Veterans' Administration Facility, Sawtelle. Cost of the administration building is estimated at $80,000 and the storehouse at $60,000.

LOW BIDDERS
NOGALES, Arizona—Robert E. McKee, 108 W. Sixth Street, Los Angeles, at $117,700 submitted low bid to Treasury Department, Washington, D. C., for construction of the U. S. Immigration Station at Nogales, Arizona. Second and third low bids submitted by Harry B. Friedman, Forth Worth, Texas, $128,300 and Andy Sordal, Long Beach, Calif., at $134,500.

BIDS WANTED
SAN FRANCISCO, Cal.—Until Aug. 14, 3 P. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the United States Quarantine Station Single Attendant's Quarters and Mess Hall at Angel Island.
The work is financed by PWA funds.
Plans and specifications obtainable from above on deposit of $15 per set. W. E. Reynolds, assistant director of procurement.

CONTRACT AWARDED
HOQUIAM, Wash. — Pioneer Const. Co., Textile Tower Bldg., Seattle, at $5380 awarded contract by Treasury Department for stucco work in the U. S. Post Office at Hoquiam.

Prospective Bidders—Supplemental Bids Being Taken—To Close July 31st.
EXTEND P. O. Cost, $110,000
SANTA CRUZ, Santa Cruz Co., Calif.
Extension and remodeling of present post office bldg. (stone and terra cotta exterior, tile roof, etc.)
Owner—United States Government.
Plans by Treasury Department, Washington, D. C.
Supplemental bids are being taken from previous bidders. K. E. Paker Co., 135 S. Park St., San Francisco, at $90,980 submitted low bid previously.
Following are expected to submit new figures:
Robert E. McKee, 1128 Central Bldg. Los Angeles.
Wm. Spivock, Hobart Building, San Francisco.
Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St Louis, Mo.
K. E. Parker Co., 135 S. Park St, San Francisco.
Schuler & McDonald, 1723 Webster St., Oakland.
Dinwiddie Const. Co., 210 Crocker Bldg., San Francisco.

COMPLETE BIDS
PORTLAND, Ore.—George H. Buckler Co., Lewis Bldg., Portland, at $1,528 submitted low bid to the Treasury Department, Washington, D. C., for furnishing and installing screens in the U. S. Courthouse at Portland (as previously reported). Only other bid submitted by Newman Bree, 416 Elm St., Cincinnati, O., at $2417.

ADDITIONAL PROSPECTIVE BIDDERS
SAN DIEGO, Cal.—Plans for Senior Medical Officers' Quarters to be constructed at the U. S. Quarantine Station in San Diego for which bids will be received July 31 by Treasury Dept. have been issued to the following in addition to those previously reported:
L. F. Dow, 414 Rowan Bldg., Los Angeles.
Chas. J. Dorfman, 143 N. La Brea, Los Angeles.
Kreimborg & Son, 304 Montclair Avenue, Ludlow, Ky.
Olmstead Bldg. Co., 1847 Hancock St., San Diego.
Herbert Mayson, 9315 S. Hooper St., Los Angeles.
V. R. Dennis Const. Co., 3911 Fifth Ave., San Diego.
Mechanical Engineering Service, 1315 H St. N. W., Washington, D. C.
The Chamblis Co., Southern Bldg., Washington, D. C.

CONTRACT AWARDED
SALT LAKE CITY, Utah.—Patterson Bros., 2059 Webster Street, Oakland, Calif., at $3740 awarded contract for painting plaster in the U. S. post office at Salt Lake City.

CONTRACT AWARDED
PORTLAND, Ore.—D. Zelinsky, 165 Grove St., San Francisco, at $11,780 awarded contract for painting plaster in the U. S. Court House at Portland.

COMPLETE BIDS
POMONA, Los Angeles Co., Calif.—Wm. Gelfan, 646 S. La Brea Avenue, Los Angeles, at $1473 submitted low bid to Treasury Department, Washington, D. C., for painting plaster in the U. S. post office at Pomona
Complete bids follow:

Wm. Gelfan, Los Angeles	$1473
T. A. Powers, Covina	1640
J. H. McKinley, Beverly Hills	1677
H. R. Munson, Glendale	1783
H. H. Heathman, Pomona	[illegible]
Chris Heensberger, Jr., L. A.	2142
Crenz-Warren Co., Inc., L. A.	2195
E. R. Danson, Pomona	2585
Alhambra Painting Contractors	2625
Shacks-Dillinger, Pomona	2862

BIDS WANTED
PORTLAND, Oregon—Until July 31, bids will be received by Custodian, U. S. Custom House, Portland, Ore., for repairs and exterior painting.

BID OPENING POSTPONED
SUMMIT, C. Z. — Until August 29, (date postponed from August 1, as previously reported), bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of buildings, roads, services, etc., at the Naval Radio Station, Summit, Canal Zone, under Specification No. 7415.

BIDS WANTED
SAN JOSE, Cal.—Until August 6, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furnishing 83 Venetian blinds or shades for San Jose Post Office, under Proposal 207.

PORTLAND, Ore.—Urban Plumbing & Heating Co., 1227 SW Fifth Street, Portland, at $3927 submitted the low bid to Regional Forester, Post Office Bldg., Portland, for installing plumbing in Forest Service Warehouse.
Following bids received:
Urban Plumbing & Heating Co., $3,868; H. C. Hastorf Co., $3927; De-

Temple Co., $4697; A. G. Rushlight, $4739; J. B. Lewis, $4739; Shea, Speidel and Co., $4286; Otto Schultz, $5174; Kendall Heating Co., $5555; Widmer Plumbing & Heating Co., $6374; J. M. Harder, $5136.

BIDS WANTED

SAN FRANCISCO—Until July 30, 11 A. M., bids will be received by Public Works Officer, Twelfth Naval District, 100 Harrison St., San Francisco, under Specification No. 7767 for painting Quarters No. I, U. S. Naval Receiving Ship, Yerba Buena Island. Work includes interior and exterior painting. Specifications obtainable from above.

BIDS REJECTED

ALHAMBRA, Los Angeles Co., Cal. —Treasury Department has rejected all bids received April 6 for construction of the United States Post Office at Alhambra. Specifications will be revised and the work will be readvertised. The low bid April 6 was submitted by Schuler & McDonald, 1723 Webster Street, Oakland, at $184,000, exceeding the available appropriation.

Complete bids published April 12.

CONTRACT AWARDED

SAN JOSE Santa Clara Co., Cal. —International Steel Equipment Co., awarded contract at $1077.75 by the Treasury Supply Division for furnishing and installing metal shelving in the U. S. Post Office at San Jose, under Proposal 7505.

SITE BIDS OPENED

TRACY, San Joaquin Co., Calif.—Sixteen bids were received by Postmaster G. H. Gischel from bidders offering sites for the proposed new Tracy post office. Offers ranged from $1500 to $9500 on specifications for a site of 85-foot frontage and 145-foot depth for corner lots and 110-foot frontage and 145-foot depth for inside lots.

Bids will be referred to the Treasury Department, Washington, D. C.

BIDS WANTED

SAN FRANCISCO.—Until August 16, 2 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for installing new wood block flooring in the work room of the U. S. Post Office at San Francisco. Drawing and specifications may be obtained from the Custodian of the Building at the above office. W. E. Reynolds, assistant director of procurement. *

SITE BIDS OPENED

SAN MATEO, San Mateo Co., Cal.—Twenty bids were received by Postmaster John H. Kelley from bidders offering sites for the proposed new San Mateo post office. Offers ranged from $5,500 to $50,000. An appropriation of $117,000 has been authorized for the new post office.

BIS OPENED

PORTLAND, Ore.—A. G. Rushlight & Co., 407 SE Morrison, Portland, at $8824 submitted low bid to Regional Forester, Post Office Bldg., Portland, for installing heating plant in Forest Service Warehouse.

Following bids received:

A. G. Rushlight Co., $8824; H. C. Hastorf, $8956; Lord & Loryea, $9,-662; Shea-Speidel Co., $10,399; Urban Plumbing & Heating Co., $10,071; Kendall Heating Co., $10,816; DeTemple Co., $10,515; Chas. Keyser, $10,946; Otto Schulz, $10,604; O. E. Kraft, $10,600.

BIDS WANTED

SAN FRANCISCO—Until August 1, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furnishing one map case for San Francisco, under Proposal No. 219.

8— CLUB BUILDINGS

PLANNED

TRUCKEE, Nevada Co., Cal.—Nevada County Board of Supervisors has voted to include a special tax in the 1934-35 budget to finance construction of a Memorial Building in Truckee. The tax will raise about $3000 a year to be placed in a special fund for the building. Estimated cost $30,000.

9— HOSPITALS

BIDS WANTED

SEATTLE, Wash. — Plans for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering, etc., in the U. S. Marine Hospital at Seattle, for which bids will be opened by the Treasury Department August 7 have been issued to the following:

Hanover Chemical & Mfg. Co., Newark, New Jersey.

National Carbon Co., Cleveland, O.

D. Zelinsky & Sons, 165 Grove St., San Francisco.

BIDS WANTED

LOS ANGELES.—Until Aug. 13, 2 P. M. bids will be received by Los Angeles county supervisors for three 1-story units and connecting arcades for blocks C, D and E, Los Angeles County Farm, Rancho Los Amigos. The work will include extensions to steam lines, water lines, sewer lines and electric services and circuits. Buildings will be reinforced concrete structures with tile and composition roofing, metal skylights, tile and cement floors ,plate glass, linoleum, wrought iron, steel double-hung and casement windows, marble toilet partitions, marble thresholds, hollow metal doors, metal lath, ventilating system, metal frames and screens, etc. Estimated cost $133,700. Plans were prepared by Wm. Davidson, county mechanical engineer, Hall of Records. Mame B. Beatty, clerk of the board.

FUNDS GRANTED

SANTA CLARA COUNTY, Cal.—Public Works Administration has granted $66,300 to Santa Clara County to aid in erecting a new wing of the County Hospital near Milpitas. The grant is contingent upon appropriation of additional funds by the county to complete the $233,000 work proposed. A bond election is contemplated to provide the additional money required. Architects Binder & Curtis, 35 W. San Carlos St., San Jose, have prepared preliminary plans for a new wing of the existing building to duplicate the south wing with the addition of a surgery room.

12— POWER PLANTS

BIDS WANTED

BOULDER CANYON—Until August 20, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 583, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, steel rails and miscellaneous structural steel for installation in the Boulder Power Plant, Boulder Canyon Project. The materials will be installed by the Government.

Specifications obtainable from above office without charge to prospective bona fide bidders; to others, $3, not returnable.

BIDS WANTED

PEARL HARBOR, T. H.—Bids will be asked shortly by Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7604, for construction of an electrical distribution system with two substation buildings at the Repair Basin, Pearl Harbor Navy Yard. The work includes concrete, steel and iron, built-up roofing and sheet metal, pressed steel and steel rolling doors, steel windows, motor generator sets having automatic control, transformers and auxiliary equipment, new underground primary and secondary alternating current feeders, new underground direct current feeders, series lighting system and telephone cables and terminal boxes. Estimated cost, $300,000.

Plans and specifications available within a few days from Commandant, 12th Naval District, 100 Harrison St., San Francisco, and at office of Commandant, 14th Naval District, Navy Yard, Pearl Harbor, T. H., and from Bureau of Yards & Docks, Washington, D. C. Check or money order payable to Chief of Bureau of Yards and Docks for $20 required as deposit.

Date for receiving bids will be announced later.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

BIDS WANTED

PETALUMA, Sonoma Co., Calif.—Until August 6, 7 P. M., bids will be received by Petaluma City Council for removal of the town clock and tower from the Masonic Building and for making necessary repairs to the building. Estimated cost $565. Specifications obtainable from the city clerk on deposit of $1.00. *

PLANS BEING PREPARED

SANTA ANA, Orange Co., Calif.—Public Works Administration has allocated $105,000 (loan and grant) to the City of Santa Ana for the new city hall building to be erected at Third and Main Sts., Santa Ana. The city voted a $70,000 bond issue last December as security for the loan. The building will be a three-story and basement, Class B structure. W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, are the architects.

BOND ELECTION

SANTA BARBARA, Calif.—City of Santa Barbara will hold an election August 28, at which time it is proposed to vote bonds in the sum of $220,000 as security for a government loan, proceeds to be used for financing the construction of a municipal auditorium in Santa Barbara. Public Works Administration recently allocated $375,000 for the project. Preliminary plans for the structure have been prepared by the Associated Architects of Santa Barbara, 116 E. Sola Street.

CONTRACT AWARDED

OAKLAND, Cal.—United Iron W'k., 580 Second Street, Oakland, at $1500 awarded contract by the Oakland City Council for furnishing boiler tubes for the Municipal Auditorium.

BIDS OPENED

SAN LEANDRO, Alameda Co., Cal. —Alameda County Board of Supervisors opened bids for furnishing and installing furniture and kitchen equipment in the Veterans' Building, San Leandro. Due to number of items in the schedule, however, no tabulation will be available before July 26.

14— RESIDENCES

Contract Awarded
RESIDENCE Cost, $——
LOS ALTOS, San Mateo Co., Calif. Edith and Fremont Streets.
One and one-half-story dwelling.
Owner—Gean Blum, Los Altos.
Architect—Not Given.
Contractor—W. F. Klay, 130 University Ave., Palo Alto.

Contract Awarded
RESIDENCE Cost, $7000
BERKELEY, Alameda Co., Calif. 730 Spruce Street.
One-story frame and shingle residence (5 rooms and 1 bath) gas heating system, shingle roof, hardwood floors.
Owner—George P. Adams, 745 Santa Barbara Road, Berkeley.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Frank G. Applebe, 2405 Acton St., Oakland.

Preparing Working Drawings
RESIDENCE Cost, $15,000
ATHERTON, San Mateo Co., Calif.
Two-story residence (10 rooms and 3 baths) shingle roof, stucco exterior hardwood floors, tile kitchens, monel metal sink, gas fired steam heat, concealed radiation.
Owner—Withheld.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.

Plans Completed
RESIDENCE Cost, $——
TAHOE PINES, Placer Co., Calif.
Stone house and guest cottages.
Owner and Builder—Henry J. Kaiser 1527 Latham Square Bldg., Oakland.
Architect—Cash & Wolf, Railway Exchange Bldg., Portland.

Contract Awarded.
RESIDENCE Cost, $8718
OAKLAND, Alameda Co., Cal. Lakeshore Manor.
Two-story frame residence (8 rooms, 2 baths); hardwood floors, wood shingle roof; gas fired heating system.
Owner—Leo Taylor, 5294 Contra Costa Road, Oakland.
Architect — Irwin M. Johnson, 2215 Seventh Ave., Oakland.
Contractor—T. H. Lapham, 546 Kenmore Ave., Oakland.
Heating—Atlas Heating & Ventilating Co., 1451 32nd St., Oakland.

Plans Being Figured—Bids Close August 2, 1 P. M.
ALTERATIONS Cost, $——
SAN MATEO COUNTY, Cal.
Alterations and additions to various ranch buildings.
Owner—Alpine Properties Co.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Young & Horstmeyer, 461 Market St., are figuring plans and desire subbids on all portions of the work.

Plans Being Figured
RESIDENCE Cost, $3500
ORINDA, Contra Costa Co., Cal. Orinda Country Club.
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Plans are being figured by a selected list of contractors.

Contract Awarded.
RESIDENCE Cost, $5700
OAKLAND, Alameda Co., Cal. No. 4347 Harboard Drive.
Two-story brick dwelling (6 rooms) and one-story brick garage.
Owner—Robert J. Barr, 596 Chetwood St., Oakland.
Architect—Not Given.

COMPLETE BIDS
GRAND COULEE, Wash.—National Construction Co., 306 Rust Bldg., Tacoma, at $94,585 submitted low bid to U. S. Bureau of Reclamation, Spokane, for construction of fourteen 3-room and sixteen 4-room residences at Government Camp, Grand Coulee dam. Moses Ferber and Ben H. Sheldon are officers of National Construction Company.
Complete bids follow:
National Const. Co., Tacoma..$94,585.00
J. W. Bailey Co., Seattle..... 99,195.00
G. C. Gorsuch, Wenatchee.....100,439.50
Clark & Early, Seattle.....101,054.00
J. J. Lohrenz, Spokane.....103,278.00
H. J. and Dan Solie, Everett..104,112.00
Hazen & Clark, Spokane.....106,880.00
McDonald Contr. Co., Saint Louis 110,417.00
Alloway & George, Spokane....114,082.78
Western Const. Co., Seattle..115,324.00

Contract Awarded.
RESIDENCE Cost, $1720
HACIENDA, Russian River, Sonoma Co., Cal.
One-story frame residence.
Owner—Wanda Paine, 1950 Clay St., San Francisco.
Architect — Chas. F. Strothoff, 2274 15th St., San Francisco.
Contractor—Joseph Bettencourt, 422 San Anselmo Ave., San Mateo.

Contract Awarded
DWELLING Cost, $3800
OAKLAND, Alameda Co., Calif. 2935 Seventy-fifth Avenue.
Two-story 6-room residence.
Owner and Builder—Folke Wallin, 2150 50th Ave., Oakland.
Architect—Not Given.

15— SCHOOLS

Plans Being Figured—Bids Close August 6, 8 P. M., (Opening date reported previously as August 2.
IMPROVE SCHOOL Cost, $120,000
SAN MATEO COUNTY, Cal.
Structural alterations and additions to San Mateo High and Applied Arts Building and Burlingame High School (work includes steel, brick, concrete and wood reconstruction)
Owner—San Mateo High School Dist.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Bids will be taken for the three buildings as a group and for each building separately. Plans and specifications may be obtained from Mr. Hammill upon deposit of $20 for each set of plans for each building.
Sub-bids are requested by the following contractors, who are figuring the work:
J. Harold Johnson, 639 Brannan St., San Francisco.
Frank J. Reilly, 6350 Fulton Street, San Francisco.
F. Amoroso & Sons, Wallace and Keith Sts., San Francisco.

Preliminary Sketches
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Calif.
Woodrow Wilson elementary school (frame building, six classrooms, principal's office, lunchroom, etc.)
Owner—Daly City Grammar School District (W. J. Sweeney, Clerk).
Architect—Albert Roller, Crocker 1st National Bank Bldg., San Francisco.
Federal Public Works Administration has allotted $105,000 in loan and grant to Daly City School District for three new buildings. Bond election is planned to secure loan.

Preliminary Sketches
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Calif.
Jefferson Elementary school (frame bldg., six classrooms, principal's office, lunchroom, etc.)
Owner—Daly City Grammar School District (W. J. Sweeney, Clerk).
Architect—Albert Roller, Crocker 1st National Bank Bldg., San Francisco.
Federal Public Works Administration has allotted $105,000 in loan and grant to Daly City School District for three new buildings. Bond election is planned to secure loan.

Preliminary Sketches
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Calif.
Crocker Elementary school (frame bldg., six classrooms, principal's office, lunchroom, etc.)
Owner—Daly City Grammar School District (W. J. Sweeney, Clerk).
Architect—Albert Roller, Crocker 1st National Bank Bldg., San Francisco.
Federal Public Works Administration has allotted $105,000 in loan and grant to Daly City School District for three new buildings. Bond election is planned to secure loan.

BIDS OPENED
LOS ANGELES, Cal.—K. R. Bradley Const. Co., 1833 W. Pico Blvd., submitted the low bid at $84,518 to the Los Angeles board of education July 19 for the reconstruction, rehabilitation and strengthening of the 75th St. school, located on 75th St. west of Main St. Other bids were: Harvey A. Nichols, $84,543; Herbert M. Baruch Corp., $88,462; R. E. Campbell, $89,990 Geo. Hess, $103,750; Willard Brent Co. $108,000. Plans were prepared by the architectural division of the board; A. S. Nihecker, Jr., architect, and Structural Engineer Blaine Noice, 5436 Carlton Way, Beverly Hills.

BIDS OPENED
TORRANCE, Los Angeles Co., Cal. —Contracting Engineers, Inc., 2310½ W. Vernon Ave., submitted the low bid at $86,240 to the Los Angeles board of education for reconstructing, rehabilitating and strengthening the main building at the Torrance elementary school, located at Martina and 220th Sts., Torrance. Plans were prepared by Architect Samuel E. Lunden, 400 Rowan Bldg., Los Angeles, and R. McC. Beanfield, structural engineer, 615 Chamber of Commerce Bldg., Los Angeles. The other bids were :H . Mayson, $88,900; R. E. Campbell, $89,-680; Herbert M. Baruch, $91,481; Geo. Hess, $104,800.

CONTRACT AWARDED
CHICO, Butte Co., Cal.—C. Freeman Smith, 3937 J St., Sacramento, at $4441.07 awarded contract by Department of Public Works, Division of Architecture, for refinishing one room in the library at the State Teachers' College, Chico.

Sub-Contracts Awarded.
SCHOOL Cost, $43,474
TEHACHAPI, Kern Co., Cal.
Reinforced concrete grammar school building, rigid asbestos shingle and composition roof, gas unit heating system.
Owner—Tehachapi Elementary School District.
Architect—Edwin J. Symmes, Haberfelde Bldg., Bakersfield.
Contractor — Williams & Greenough, 130 Lincoln St., Bakersfield.
Sub-contracts awarded as follows:
Heating—Wilson Sheet Metal Works, 1019 Nineteenth St., Bakersfield.
Plumbing — Garland Duty, Box 92, Tehachapi.
Electric Wiring — Bauer Electric Co., 431 Flower St., Bakersfield.
Millwork — Hollenbeck Buch Planing Mill Co., P. O. Box 605, Fresno.
Structural Steel—Kyle & Co., 346 G St., Fresno.

Reinforcing Steel — Soule Steel Co., 6200 Wilmington St., Los Angeles
Roofing—H. Evans, 330 Nile Street, Bakersfield.
Painting—Talbot & Snyder, Bakersfield.
Sheet Metal — Wilson Sheet Metal Works, 1019 19th St., Bakersfield.
Plastering—P. F. Sughrue, 1729 Quincy Street, Bakersfield.
Lumber—Tehachapi Hay & Grain Co., Tehachapi.
Hardwood Floors—T. W. Fraser, 201 Alexander St., Bakersfield.

General contractor is handling excavation, concrete and carpentry; footings have been completed to date.

BIDS WANTED

BEVERLY HILLS, Los Angeles Co., Cal.—Until August 6, 3 P. M., bids will be received by Beverly Hills School District for a school building to be built on the Hawthorne site 624 North Rexord Drive, Beverly Hills. Plans will be available to contractors on and after July 23 at the office of Architect Ralph C. Flewelling, 614 Architects' Bldg., Los Angeles. The structure will contain kindergarten, cafeteria and manual training quarters. Construction will be steel frame, gunite walls, steel studs, metal lath and plaster partitions, steel windows, hollow metal doors, metal trim, tile roof, steam heating, wood block and linoleum floors. Estimated cost is $47,500.

BIDS WANTED

NORWALK, Los Angeles Co., Cal.—Until August 7, 8 P. M., bids will be received by the Board of Public Building Reconstruction at the Norwalk elementary school for the erection of a classroom building for the Norwalk Elementary School District. Separate bids will be taken as follows: (1) general work; (2) plumbing and heating; (3) electrical work; (4) laboratory fixtures. Plans and specifications may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25, check to be made payable to the Board of Public Building Reconstruction. The building will be a U-shaped structure, 100x100 ft., with reinforced concrete walls, tile and composition roof, wood casement windows, gas radiators, wood and concrete floors, linoleum, etc. Estimated cost $107,000. T. C. Kistner, architect, 814 Architects' Bldg., Los Angeles.

BIDS WANTED

BELLFLOWER, Los Angeles Co., Cal.—Until July 31, 2 P. M., bids will be received by the Board of Public Building Reconstruction for reconstructing the Los Flores school in Bellflower for the Bellflower School District. Separate bids will be taken as follows: (1) general work; (2) plumbing and heating; (3) electrical work. Plans and specifications may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. The exterior walls of the building will be rebuilt of wood frame and stucco. W. H. Austin ad Harold C. Wildman, Spurgin Bldg., Santa Ana, are the architects.

FUNDS ALLOTTED

SEATTLE, Wash. — Public Works Administration has allotted $687,500 to the State of Washington to aid in financing three buildings on the University of Washington campus. The University has $262,500 available, making a total of $942,000.

Work includes: (1) $600 000 dormitory to accommodate 300 students; (2) $200,000 4-story infirmary building located near Faculty club, to house 105 patients; (3) $142,000 power house to furnish electricity and heat for campus buildings.

Preliminary sketch for infirmary prepared by Architects Thomas, Grainger and Thomas, Arcade Bldg., Seattle. Preliminary plans for dormitory submitted by both Architects Bebb and Gould, and Architect John Graham. No architect formally retained yet to prepare plans for any unit. Power house addition plans to be prepared under supervision of C. C. May, superintendent of buildings and grounds.

CONTRACT AWARDED

SHAFTER, Kern Co., Cal.—Henry Eissler, 2229 18th St., Bakersfield, at $79,500 awarded contract by Richland School District for construction of a 14-classroom school building at Shafter. Architect Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.

LOW BIDDER

LOS ANGELES, Cal.—Herbert M. Baruch Corp., 625 S. Olive St., submitted low bid at $70,986, July 23, to the Los Angeles Board of Education for reconstructing, rehabilitating and strengthening the Figueroa Street School, located on the southwest corner of 111th and Figueroa Sts. The work will consist of reconstructing walls and interior, adding bracing and reconstructing and bracing building to meet requirements of the state earthquake code. Plans were prepared by Parker O. Wright, Architect, 911 Black Bldg., and David H. Merrill, Structural Engineer, 580 I. W. Hellman Bldg. Cost was estimated at $65,000.

SUB-CONTRACTS AWARDED

OAKLAND, Cal. — Sub - contracts have been awarded by Meyer Constr. Co., 727 Portola Blvd., San Francisco, for portions of work in erecting 27 termopary frame buildings at the Roosevelt School site, 19th Avenue and E-Nineteenth St., as follows:

Glass—W. P. Fuller & Co., 259 Tenth St., Oakland.
Roofing—Bay Cities Roofing Co., 1843 Twelfth Ave., Oakland.
Plumbing — J. A. Fazio, 402 Castro St., Oakland.
Blackboards—J. W. Fricke & Co., 420 Market St., San Francisco.
Window Shades—D. N. & E. Walter Co., 562 Mission St., San Francisco

BIDS OPENED

TORRANCE, Los Angeles Co., Cal.—R. E. Campbell, 108 W. 6th Street, submitted the low bid at $85,780 to the Los Angeles board of education for reconstruction, strengthening and rehabilitation of the Torrance high school located at Carson St. and El Prado, Torrance. Plans were prepared by Architects Wm. Richards and Wesley Eager, 802 Architects' Bldg., & Structural Engineer R. McC. Beanfield, Chamber of Commerce Building. Other bids were: Ralph E. Homann Co., $92,523; Herbert M. Baruch Corp., $94,253; Geo. Hess, $117,350.

Bids Opened

SCHOOL Cost $15,000
FORESTVILLE, Sonoma Co., Calif.
One-story frame and stucco grammar school (three classrooms and auditorium to seat 200, kitchen, etc.)
Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Following bids received:
Carpentry — Forestville Const. Assn., $1900.00.
Lumber—Hess Lumber Co., Sebastopol, $1500; Colombo Lumber Co., Sebastopol, $1790.
Painting — C. W. Sullberg, Windsor, $495; L. W. Jensen, Santa Rosa, $795.
Window Shades—Star Furniture Co., Sebastopol, $219.64.
Millwork—Smith Planing Mill, Sebastopol, $1230; Colombo Lumber Co., Sebastopol, $1730.
Sheet Metal—Ed. Holtz Sheet Metal Works, Santa Rosa, $692.
Plumbing—E. D. Ward, Forestville, $1313.13.
Roofing—C. L. Frost, Palo Alto, $1,069.85; H. C. Gladrow, Santa Rosa, $1150; C. D. Robins, $1346.20.
Lathing and Plastering—F. C. Walker, Forestville, $1388; Paul J. Lindau, Santa Rosa, $1478; Chas. Valencia, Santa Rosa, $1690; R. E. Keehn, Santa Rosa, $1745; Wm. Bennick, $2034; Jas. F. Smith, San Francisco, $2375.
Finish Hardware — Associated Hardware Co., Oakland $374.
Window Hardware—Universal Window Co., Oakland, $298; Dalmo Sales Co., San Francisco, $298.
Glass and Glazing—George Dale, Santa Rosa, $185; Smith Planing Mill, Sebastopol, $315.
Blackboards — R. W. King, Oakland, $175; American Seating Co., San Francisco, $390 (alternate) $239.
Celotex—Hess Lumber Co., Sebastopol $43 per M.
Wiring—E. D. Ward, Forestville, $706.58; R. W. Mitchel, Santa Rosa, $710.85; Carl F. Stolting, Santa Rosa, $885.65.
Heating—Electrical installation, complete, Pacific Gas & Electric Co., $1174 (wiring only) $840; Karl F. Stolting, Santa Rosa, (wiring) $885.65, (heaters) $886.88.
Heating—(Alternate, Hot- Air System), Ed Holtz Sheet Metal Works Santa Rosa, $1174; E. L. Kindig, Santa Rosa, $1275; Star Metal Products Co., San Francisco, $2,680; Atlas Heating and Ventilating Co., San Francisco, $2096.
Interior Tile—H. C. Gladrow, Santa Rosa, $59.50; E. W. McDonald, Petaluma, $64; George Dale, Santa Rosa, $60.

Bids were taken under advisement until plans have been finally approved by the State Division of Architecture. Awards probably will be made to low bidders.

SUB-CONTRACTS AWARDED

OAKLAND, Cal.—John M. Bartlett, 1706 Parker St., Berkeley, has awarded sub-contracts on portions of work in erection of sixteen temporary buildings at the Cole School site, Tenth and Union Sts., Oakland, as follows:

Lumber—Sunset Lumber Co., 400 High St., Oakland.
Millwork—Sheehan & Ballard, Ninth and Parker Sts., Berkeley.
Sash—Western Door & Sash Co., Fifth and Cypress Sts., Oakland.
Roofing—Crown Roofing Co., 2609 East 14th St., Oakland.
Mastic Floors—P. M. Henning, 5226 Lawton St., Oakland.
Finish Hardware—Maxwell Hardware Co., 14th and Washington Streets, Oakland.
Rough Hardware — Associated Hdwe. Co., 3860 San Pablo Ave., Oakland.
Blackboards—J. W. Fricke & Co., 420 Market St., San Francisco.

COMPLETING WORKING DRAWINGS

ONTARIO, San Bernardino Co., Cal.—Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, will complete working drawings in about two weeks for a new library building to be built at Chaffey junior college, Ontario, for the Chaffey Junior College and High School District. The building will contain a repository for books, reading room with a capacity of 200, high school reading rom with a capa-

city of 100, periodical room, etc. Cost is estimated at $65,000.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—The Los Angeles Board of Education has approved preliminary plans and has authorized Architect Theodore R. Jacobs, Homer Laughlin Bldg., to proceed with working drawings for a 13-unit new building to be built at the Florence Avenue school, 1904 E. Florence Ave. Cost is estimated at $79,219.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—The Los Angeles Board of Education has approved preliminary plans and has authorized Architect Ralph C. Flewelling, 614 Architects' Building, to proceed with working drawings for a 30½-unit new building replacement (increased from 20 units) at the Miles Avenue school site, 6729 Miles Ave., Huntington Park. Cost estimated at $171,764.

ARCHITECT COMMISSIONED

LOS ANGELES, Cal.—The Los Angeles Board of Education has commissioned Architect Edwin Bergstrom, 163 Citizens' National Bank Bldg., to prepare architectural plans and specifications for reconstructing rehabilitating and strengthening the main bldg., less the third story, at the South Park school site. Engineering plans are being prepared by Structural Engineers Holmes & Narver, Inc., 1400 Stock Exchange Bldg. Cost estimated at $41,955.

ARCHITECT COMMISSIONED

LOS ANGELES, Cal.—The Los Angeles Board of Education has commissioned Architect Edwin Bergstrom, 163 Citizens' National Bank Bldg., to prepare plans and specifications for an 18-unit new building replacement to be built at the South Park school site. Cost estimated at $120,960.

COMPLETING WORKING DRAWINGS

VAN NUYS, Los Angeles Co., Cal.—Architects Allison and Allison, 1014 Edison Bldg., Los Angeles, are preparing working drawings for reconstructing, rehabilitating and strengthening of the 16-room annex building (eliminating cloister) at the Van Nuys high school for the Los Angeles board of education. Cost estimated at $44,000.

PREPARING WORKING DRAWINGS

VAN NUYS, Los Angeles Co., Cal.—Architects Allison and Allison, 1014 Edison Bldg., Los Angeles, are preparing working drawings for a new 4-room classroom unit to be built at the Van Nuys high school for the Los Angeles board of education. Building will be of Class A construction, concrete slab and composition roofing, etc. Cost estimated at $161,280.

COMPLETING WORKING DRAWINGS

SANTA ANA, Orange Co., Cal.—Architects Allison & Allison, 1014 Edison Bldg., Los Angeles, are completing working drawings for the erection of new reinforced concrete administration and auditorium building, new science building to be of steel stud and metal lath and plaster construction, and reconstruction of the classroom building at the Santa Ana High school site. The main building will contain an auditorium, ten classrooms, study hall and theatre. Cost of the three buildings is estimated at $330,000.

PREPARING WORKING DRAWINGS

LOS ANGELES, Cal. — Architects Allison & Allison, 1014 Edison Bldg., are preparing working drawings for the erection of a new gymnasium building at the Los Angeles Junior College, 855 N. Vermont Ave., for the Los Angeles Board of Education. The building will be of reinforced concrete and steel construction, Class A; concrete floors, offices, shower, locker and toilet facilities, etc. Cost is estimated at $100,000.

CONTRACTS AWARDED

ALBANY, Alameda Co., Cal.—C. M. Norgrove, 2220 Roosevelt St., Berkeley, at $11,514 awarded contract by Albany School Directors for construction of reinforced concrete basement up to first floor line with concrete floor slabs and temporary roof for the Albany School District. Architects Dragon & Schmidts, 3016 Telegraph Ave., Berkeley.

Contract for heating plant awarded to Scott Co., 113 Tenth St., Oakland, at $570, and for electric work to Scott-Buttner Electric Co., 19 Grand Ave., Oakland, at $685.

SUB-CONTRACTS AWARDED

OAKLAND, Calif.—Willis F. Lynn, 1637 Ashmount Ave., Oakland, has awarded sub-contracts on portions of work in the erection of temporary buildings for the Oakland School District at Montclair, Maxwell Park and Stonehurst schools as follows:

Lumber and Millwork—Sunset Lumber Co., 400 High St., Oakland.
Glass—Eastbay Glass Co., 621 Sixth St., Oakland.
Roofing and Mastic Floors—Bay Cities Asbestos Co., 188 Tenth St., Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.
Hardware—Maxwell Hdwe. Co., 14th and Franklin Sts., Oakland.
Plastering—Frank Clausen 3124 Chestnut St., Oakland.
Blackboards—J. W. Fricke and Co., 420 Market St., San Francisco.

CONTRACTS AWARDED

SAN FRANCISCO.—Contracts have been awarded by T. A. Brooks, City Purchasing Agent, for supplying portions of the wood school furniture to be purchased under bids opened July 9 as follows: Heywood-Wakefield Co., 180 Montgomery St., Item 1, at $4.60 each, Item 3 at $3.56 each; Fred E. Turner Co., 557 Market St., Item 2, at $2.97 each; Rucker Fuller Co., 539 Market Street, Item 4 at $8.35 each; American Seating Co., 521 Mission St., Item 5 at $0.97 each.

Complete bids reported July 9.

LOW BIDDERS

COMPTON, Los Angeles Co., Calif. —T. P. Schultz, 911 N. Chester Ave., Compton, submitted the low general contract bid to the Board of Public Building Reconstruction July 24, at $23,500 for rebuilding the Holly Ave. school in Compton. A. J. Garcia Co., 1072 N. Wilton Place, Los Angeles, was low bidder on the plumbing and heating at $1947, and Cave Electric Co., 2107 N. Ross St., Santa Ana, was low on the electric wiring at $3491.

Plans were prepared by Architect H. L. Gogerty, 116 N. Santa Fe Ave., Compton. Work will consist of new frame and stucco exterior walls, composition roofing, plastering, floor repairs, etc.

LOW BIDDERS

COMPTON, Los Angeles Co., Calif. —T. P. Schultz, 911 N. Chester Ave., Compton, submitted the low general contract bid to the Board of Public Building Reconstruction July 24, at $24,750 for rebuilding George Washington school building in Compton. Hickman Bros., 910 E. Anaheim, Long Beach, submitted the low bid on the plumbing and heating at $1351, and Cave Electric Co., 2107 N. Ross St., Santa Ana, was low bidder on the electric wiring at $3764.

Plans were prepared by Architect H. L. Gogerty, 116 N. Santa Fe Ave., Compton. Work will consist of new frame and stucco exterior walls, composition roofing, plastering, floor repairs, etc.

BIDS OPENED

SAN FRANCISCO.—John J. Murray, 35 Jersey Street, at $900.00 submitted low bid to Department of Public Works for exterior painting of the Douglas School, 19th and Collingwood Streets.

Complete bids follow:

J. J. Murray, 35 Jersey St.	$ 900.00
Reliable Painting Co.	985.00
American Bldg. Maintenance	1,079.00
J. H. Quandt	1,095.00
Joseph Goldberg	1,295.00
D. Zelinsky & Sons	1,327.00
W. G. Thompson	1,350.90
T. A. Bigotta	1,379.20
R. P. Paoli	1,440.00
E. Andersen	1,482.00

Bids under advisement.

Bids Wanted—To Close Aug. 8, 2:30 P. M.

SCHOOL Cost, $60,000
SAN FRANCISCO. Redding School, Pine and Larkin Streets.
Structural alterations.
Owner—City of San Francisco (School Department).
Structural Engineer — C. H. Snyder, 251 Kearny Street.

The work involves removal of the fourth story of the west wing, penthouse over east stairs; rebuilding two penthouses, new roof over west wing; repairing two stacks above roof; repairing parapets, removal of terra cotta over north entrances on first floor; repairing edge of second floor balcony in court; removal of brick walls at south ends of east and west wings and all court walls, replacing with reinforced concrete; a small amount of steel work on roof ;installing bracing under second, third and fourth floors; pressure grouting in various places; construction of nine-foot gunite walls behind face brick in four panels; reconstruction of brick mullions, strengthening of four-inch terra cotta partitions in the first story.

Plans and specifications obtainable from City Architect C. H. Sawyer, Room 265, City Hall, on deposit of $20.

BIDS WANTED

RENO, Nevada.—Until July 30, 7:30 P. M., bids will be received by Board of Trustees, Reno School District No. 10, Washoe County, Nevada, for furnishing (1) approximately 85 squares Pabco super double-X shingles, or equal; (2) six oil-burners. Specifications obtainable from George Townshend, president of the board.

BIDS OPENED

SAN FRANCISCO.—W. G. Thompson, 336 Church St ..at $1380 submitted low bid to Department of Public Works for exterior painting of the Portola Junior High School, Bacon and Girard Streets.

Complete bids follow:

W. G. Thompson	$1,380.00
R. P. Paoli	1,697.00
T. A. Bigotta	1,707.50
Reliable Painting Co.	1,750.00
John J. Murray	1,800.00
American Bldg. Maintenance	1,985.00
D. Zelinsky & Sons	2,247.00

Bids held under advisement.

Plans Completed—Bids To Be Asked Shortly

SCHOOL Cost, $760,000
SAN FRANCISCO. Thirtieth to 32nd Avenues and Geary to Balboa Sts. (George Washington High School)
Three-story reinforced concrete academic unit (architectural tile in inserts on exterior, stone main entrance with metal canopy, interior to be treated throughout with acoustical material on ceilings; terra cotta wall units as wainscoting; linoleum coverings in halls; natural slate balckboards; passenger elevator; electric dumbwaiter; California marble interior in lavatories and shower rooms; composition tile floor in cafeteria; tile and terrazzo in lavatories and utilities rooms; wood and metal sash; burglar-proof windows and tool-proof steel doors for armory; 2000 metal lockers; fencing; metal and bronze entrance doors; completely equipped kitchen.
Owner—City of San Francisco (School Department).
Architect—Miller & Pflueger, 580 Market Street.
Structural Engineer—W. L. Huber, 1 Montgomery Street.

School complete will include gymnasium, auditorium and shop buildings. First contract to be let will be for academic unit. Plans for this building have been approved by Board of Public Works and are in Sacramento for acceptance by State Division of Architecture. Bids will be advertised as soon as returned by the State.

LOW BIDDERS

COMPTON, Los Angeles County, Cal.—Johnson Hanson & Izer, 2115 Locust Ave., Long Beach, submitted the low general contract bid to the Board of Public Reconstruction July 24, at $22,793, for repairing and rebuilding the Colonel Lindbergh School in Compton. Hickman Bros., 910 E. Anaheim, Long Beach, were low bidders on plumbing and heating at $1287 and Cave Electric Co., 2107 N. Ross St., Santa Ana, was low bidder on electric wiring at $3388. Plans were prepared by Architect H. L. Gogerty, 116 N. Santa Fe Ave., Compton. Work will consist of new frame and stucco exterior walls, composition roofing, plastering, floor repairs, etc.

July 26, 1934

CONTRACT AWARDED

LOS ANGELES, Cal.—K. R. Bradley Constr. Co., 1933 W. Pico Blvd., was awarded the contract at $84,518 by the Los Angeles Board of Education July 24 for the reconstruction, rehabilitation and strengthening of the Seventy-fifth Street School, located on 75th St., west of main St. Other bids were: Harvey A. Nichols, $84,543; Herbert M. Baruch Corp., $88,462; R. E. Campbell, $89,990; Geo. Hess, $103,750; Willard Brent Co., $108,000. Plans were prepared by the architectural division of the board; A. S. Nibecker Jr., architect, and Structural Engineer Elaine Noice, 5436 Carlton Way, Beverly Hills.

BIDS OPENED

SAN FRANCISCO.—Anchor Post Fence Co., 460 Fifth Street, at $50.00 submitted low bid to Department of Public Works for furnishing and installing screen guards on the second floor of the Old Hearst School Building, Hermann and Fillmore Streets.

Complete bids follow:

Anchor Post Fence Co.	$50.00
Michel & Pfeffer Iron Works	53.00
Standard Fence Co.	73.00

Architects Commissioned.

SCHOOL Cost, $——
SAN FRANCISCO, Francis Scott Key School, Site to be announced.
Complete school unit of 12 rooms, library and auditorium. To be designed with consideration of possible future expansion.
Owner—City of San Francisco School Department.
Architects—William Mooser, Monadnock Bldg.; Edward A. Eames, 353 Sacramento St. and Douglas Dacre Stone, 110 Sutter St.

Department of Public Works has commissioned above architects to prepare plans for school to be financed by bond issue of 1933, including PWA funds.

Architects Commissioned.

SCHOOL Cost, $——
SAN FRANCISCO, Sunshine-Buena Vista School (to be located on the site of old Columbia School).
Owner—City of San Francisco (School Department).
Architects — Martin J. Rist, Phelan Bldg.; Charles F. Strothoff, 2274 15th St.; Smith O'Brien, 2032 Baker St., and Albert Schroepfer, 681 Market St.

Buena Vista and Sunshine Schools are to be combined in one school unit to be known as Sunshine School. Work is financed by bond issue of 1933, including PWA funds.

Architects Commissioned.

SCHOOL Cost, $——
SAN FRANCISCO. Patrick Henry School (Site to be announced).
School unit.
Owner—City of San Francisco (School Department).
Architect—W. D. Peugh, 333 Montgomery St., & Gardner A. Dalley 210 Post Street.

Department of Public Works has commissioned above architects to prepare plans for school to be financed by bond issue of 1933, including PWA funds.

BIDS OPENED

SAN PEDRO, Los Angeles Co., Cal.—Arthur Pinner, Jr., 116 W. 94th St., submitted the low bid at $29,497 to the Los Angeles board of education for the reconstruction strengthening and rehabilitation of the Bandini School, located on the SW corner of Oliver and Bandini Sts., San Pedro. Other bids were: Johnson, Hanson & Izer, $30,983; Campbell Const. Co., $31,282; Harvey A. Nichols, $36,462; Atlas Construction Co., $37,000; R. J. Daum, $39 541. Plans were prepared by the architectural division of the board; A. S. Nibecker, Jr., architect, and Structural Engineer Laurance J. Waller, 257 S. Berendo Street.

Preliminary Plans Approved

SCHOOL Cost, $774,538
SAN FRANCISCO. Fillmore Street between Bay and Chestnut Sts.
Marina Junior High School (classroom unit, gymnasium, auditorium.)
Owner—City and County of San Francisco.
Architect—George Kelham, 315 Montgomery Street; W. P. Day, Financial Center Bldg.; John Bakewell, Jr., 251 Kearny Street.

Preliminary plans have been accepted by the Board of Education and Department of Public Works.

PLANS COMPLETED

LONG BEACH, Calif.—The Long Beach board of education has approved working drawings for the gymnasium building to be built at the Hamilton Junior high school. Plans were prepared by Architect and Engineer Schilling & Schilling, 145 Linden Ave., Long Beach. The structure will be a one-story and part two-story building, covering an area of 22,000 sq. ft. Construction will be steel frame, steel studs, cement plaster walls, composition roofing, maple and cement floors, tile toilet and shower floors, steam heating, etc.

Plans Being Completed

REPAIR SCHOOL Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.

Plans will be completed in about ten days. Bids on $18,000 bond issue to finance work are to be received Aug. 6 by Santa Clara County Board of Supervisors.

BIDS WANTED

GRASS VALLEY, Nevada Co., Cal.—Until August 1, 12 M., bids will be received by the Grass Valley Board of Education for painting the high school gymnasium and painting and glazing windows in the high school building. Bids are to be addressed to Board of Education Clerk L. A. Prisk or Superintendent James S. Hennessy.

CONTRACT AWARDED

LOS ANGELES, Calif.—Johnson and Dahlquist, 654 E. 81st St., has been awarded a contract at $24,447 by the Los Angeles board of education for reconstruction, strengthening and rehabilitation of the Middleton Street school, located on the northeast corner of Middleton St. and Zoe Ave., Huntington Park.

BIDS OPENED

INYOKERN, Kern Co., Cal.—Pacific System Homes, 5800 S. Boyle Avenue, Los Angeles, submitted the low bid to the Indian Wells Valley Union School District July 14, at $11,357, for the construction of a two-room addition to school building at Inyo-Kern. Bids have been submitted to the Public Works Administration. The addition will be a wood frame structure with stucco exterior, rigid shingle roof, metal lath, maple floors, hot air heating system, etc. Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield is the architect. Other bids were: Alva Hackney, $12,285; Virgil Young, $12,700; Harold Hanson $12,866; Stroud Bros. & Seabrook, $13,646.

PRELIMINARY PLANS APPROVED

LONG BEACH, Calif.—Long Beach board of education has approved the working drawings for a two-story school building to be built at the Roosevelt school site, corner of 15th and Linden Ave., Long Beach. Plans were prepared by Architect George W. Kahrs, 1224 Linden Ave., and Structural Engineers J. H. Davies and C. D. Wailes, Jr., 1005 Ocean Center Bldg., Long Beach. The building will contain 13 classrooms, kindergarten, work rooms and library. It will cover an area of 231x60 feet and will be of steel frame construction, gunite exterior walls, composition roofing, concrete corridors and stairs, linoleum, maple floors, tile toilet floors, etc.

LOW BIDDER

COMPTON, Los Angeles Co., Cal.—T. P. Schultz, 911 N. Chester Avenue, Compton, submitted the low bid to

the Compton High School District July 17 at $33,498, for the construction of a gymnasium building at the Compton Junior College site. A. J. Garcia Co., 1072 N. Wilton Place, Los Angeles, submitted the low bid on the plumbing at $3193, and Ledford Electric Co., 1412½ Willowbrook Ave., Compton, was low bidder on the electric wiring at $4805. Plans were prepared by Architects John C. Austin and Frederic Ashley, Chamber of Commerce Bldg., Los Angeles.

Contract Awarded
REPAIR SCHOOL Cost, $52,460
SAN FRANCISCO. Twelfth Ave. and Kirkham Street.
Repairs and reconstruction of Columbus School.
Owner—City and County of San Francisco.
Engineer—Jesse Rosenwald, 525 Market Street.
Contractor—DeLuca & Son, Inc., 320 Market St., $52,460.
Following sub-contracts were listed by the contractor:
Brick Work—Reed and Reed, Hearst Bldg., $11,786.
Reinforcing Steel—W. C. Hauck & Co. 280 San Bruno Ave., $1,666.
Structural Steel—Fair Mfg. Co., 617 Bryant St., $4,924.
Millwork—Acme Mfg. Co., 345 Bay Shore Blvd., $300.
Plastering—John Shimmon, 26 Fairfield Way, $3,765.
Iron Work—Anchor Post Fence Co., 460 Fifth St., $215.
Sheet Metal—Morrison & Co., 74 Duboce Ave., $344.
Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts., $568.
Electric—Fred Johnson Electric Co., 3365 Army St., $590.
Painting—Union Painting Co., 3011 Steiner St., $546.
Blackboards — American Seating Co., 521 Mission St., $970.
Plumbing and Heating—Scott Co., 243 Minna St., $1,049.
Terrazzo — California Terrazzo, 2085 San Bruno Ave., $245.
Travertite—Western Art Stone Co. 666 Brannan St., $75.

Bid Opening Postponed to August 3rd, 8 P. M.
ADDITION Cost, $5000
MORGAN HILL, Santa Clara Co., Cal.
One-room addition to grammar school (frame and stucco).
Owner—Morgan Hill Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bids originally scheduled for July 20 were postponed to August 3 due to protest on proposed wage scale.
Erickson Bros., E. Main Ave., Morgan Hill, desire sub-bids on all portions of the work.

CONTRACT AWARDED
LOS ANGELES, Cal.—H. F. Miller, 1908 W 75th St., has been awarded a contract at $27,851 by the Los Angeles board of education for reconstruction, rehibilitation and strengthening of the 66th Street school, located on the NW corner of San Pedro and 67th Sts. Plans were prepared by Architect Gene Verge, 802 Beaux Arts Bldg. and Structural Engineer S. B. Barnes, 803 W. 3rd St.

PRELIMINARY PLANS APPROVED
LONG BEACH, Calif.—Long Beach board of education has approved the working drawings for a two-story library building to be built at the Jefferson Junior high school site. Plans were prepared by Architect W. Dedrick, 901 Heartwell Bldg., and C. D. Wailes, Jr., structural engineer.

1005 Ocean Center Bldg., Long Beach. Construction will be steel frame, reinforced concrete walls, composition roofing, concrete corridors and stairs, maple floors, steam heating, tile toilet floors, etc.

Bids Rejected—To Be Readvertised
SHOP Cost, $15,000
CLARKSBURG, Yolo Co., Cal.
One-story frame shop building (concrete floor).
Owner — Clarksburg Union High School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids received July 14 have been rejected and contract will be readvertised shortly. Charles Unger, 2426 Seventh Ave., Sacramento, at $14,182 submitted low bid.

16—BANKS, STORES AND OFFICES

Contract Awarded
BANK Cost, $20,000
NEVADA CITY, Nevada Co., Cal. NW Broad and Pine Streets.
One - story reinforced concrete bank bldg. (composition roofing, steam heat, etc.)
Owner—Bank of America National Trust and Savings Assn., 1 Powell St., San Francisco.
Plans by Engineering Dept. of Owner (M. Cuneo in charge).
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—H. H. Larsen Co., 64 So. Park St., San Francisco.

Bids Wanted—To Close Aug. 2, 8 P.M.
OFFICE BLDG. Cost, $17,000
SACRAMENTO, Sacramento Co., Cal. Front and M Streets.
Office quarters for The River Lines Co. (to replace offices which will be demolished on right-of-way of new M street bridge) wood frame building, 2-story (25x57 ft.) galv. iron siding, insulated with fibre board, composition roof, indirect lighting, plumbing and hot water heating system.
Owner—City of Sacramento.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Plans available from the architect on $15.00 deposit.

Contract Awarded
OFFICES Cost, $5500
EXETER, Tulare Co., Calif.
One-story brick office building (25x50) offices, salesroom and storage facilities.
Owner—Southern California Gas Co., 1700 Santa Fe Ave., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—Thos. T. Godsey, 401 S. Willis, Visalia.

Sub-Contracts Awarded
STORE Cost, $——
RED BLUFF, Tehama Co., Cal. Walnut St. between Washington and Jefferson Streets.
One-story and basement store building (50x55-ft.) reinforced concrete and steel construction, pressed brick front, etc.
Owner—Dr. F. L. Bailey.
Architect—Not Given.
Contractor—Liston Ehorn, 744 Hickory St., Red Bluff.
Sub-contracts awarded as follows:
Masonry, Plastering, Tile Work, Grading, Brick Work—O'Connor Bros., Red Bluff.
Plumbing—Allen & Allen, 654 Main St., Red Bluff.
Electric Wiring—J. L. Thackery, 628 Main St., Red Bluff.
Reinforcing Steel—W. C. Hauck and Co., 280 San Bruno Avenue, San Francisco.
Lumber—Diamond Match Co., Red Bluff.
Excavation has been completed, footings poured and forms are being erected.

Plans Being Figured—Bids Close August 21, 2 P. M.
OFFICE BLDG. Cost, $40,000
MARYSVILLE, Yuba Co., Cal. Seventh and B Streets.
One-story brick and reinforced concrete office building, part basement, frame partitions, tile roof.
Owner—State of California (Division of Highways).
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Bids will be received on segregated contracts as follows: (1) general; (2) electrical; (3) plumbing; (4) heating and ventilating etc.

Sub-Contract Awarded
STORE Cost, $7500
SAN FRANCISCO. Bush St. between Mason and Taylor.
One-story Class C concrete store bldg. (75x80 ft.) wood floor joists, wood roof, etc.
Owner—Mr. Rice.
Architect—Martin Sheldon, Monadnock Building.
Contractor—G. P. W. Jensen, 320 Market Street.
Excavation and Concrete—Louis Sartorio, 666 Mission Street.

Sub-Contracts Awarded
STORE Cost, $6500
SACRAMENTO, Sacramento Co., Cal. NE Ninth and S Streets.
One - story refreshment shop and Inn (common tile and cement construction, asbestos shingle roof, circulating heating system, lath and plaster exterior finish, special texture finish and knotty pine walls, plumbing and electrical work, etc.)
Owner—Mr. and Mrs. Joe Babich, 905 S St., Sacramento.
Architect—Frederick S. Harrison, 1005 Tenth St., Sacramento.
Contractor—J. M. Yoho, 3419 4th Ave., Sacramento.
Sub-contracts awarded as follows:
Plumbing, Electric Wiring and Hardware being handled by Owner.
Grading and Excavation, Brick Work, Carpentry—J. M. Yoho, 3419 4th Ave., Sacramento.
Millwork—Capital City Planing Mill, 1812 Ninth St., Sacramento.
Roofing—San Joaquin Lbr. Co., 12th and North B Sts., Sacramento.
Sheet Metal—William H. Gibson Sheet metal Works, 417 29th St., Sacramento.
Painting—Wilcoxon and Wilson, 1724 34th St., Sacramento.
Plastering—David Hill, 3448 T St., Sacramento.
Tile Work—O. H. Adams, 2610 I St., Sacramento.
Glass and Glazing—T. E. Cain, 2416 J St., Sacramento.
Lumber—Burnett & Sons, 11th and C Sts., Sacramento.

Additional Sub-Contracts Awarded
STORE Cost, $40,000
VALLEJO, Solano Co., Cal. SW Georgia and Sacramento Streets.
Two - story and basement reinforced concrete and steel store building.
Owner—Jack Castagnoli, 1235 Georgia St., Vallejo.
Architect—Fred H. Reimers, 233 Post St., San Francisco.
Lessee—Sears Roebuck Company.
Contractor—David Paganini, 519 California St., San Francisco.
Millwork—National Mill & Lumber Co. 230 California St., San Francisco.

Plumbing—R. G. Winchell, Box 495, Vallejo.
Elevator—Atlas Elevator Co., 34 Harriet St., San Francisco.

As previously reported, electrical contract awarded to Ed. Price Electrical Co., Vallejo; grading to R. McGill, Vallejo; structural steel to Herrick Iron Works, 18th and Campbell Sts., Oakland; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts. San Francisco.

19—MISC. CONSTRUCTION

BIDS WANTED

SAN PEDRO, Los Angeles Co., Cal.—Until August 2, 11 A. M., bids will be received by Public Works Officer, Naval Headquarters, foot of Broadway San Diego, under Spec. No. 7751 for furnishing and installing two new timber landing floats at the Twenty-second street landing (Berth 56), San Pedro. Each float will be approximately 13-ft. 6-in. wide and 49-ft. long.

Specifications and drawings obtainable from above on deposit of $10.00 check payable to Chief of the Bureau of Yards and Docks.

CONTRACT AWARDED

SAN FRANCISCO.—E. D. Bullard Co., 275 Eighth St., San Francisco, at $5,600 awarded contract by the State Purchasing Department, State Harbor Board, Ferry Bldg., for furnishing and installing six fog sirens for the San Francisco-Oakland Bay Bridge.

BIDS WANTED

MARE ISLAND, Cal.—Until August 15, 11 A. M., bids will be received at the office of the Public Works Officer, U. S. Navy Yard, Mare Island, for painting five 450-foot steel radio towers at the Navy Yard Radio Station. The work consists in cleaning all the rust and scaling parts and painting all structural steel and tower appurtenances, such as winches, ladders, platform, fixtures and masts.

Specifications obtainable from above on deposit of $5 check payable to the Chief of Bureau of Yards and Docks.

BIDS WANTED

SAN FRANCISCO.—Until July 27, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing one 20- to 21-ft. launch for the San Francisco Water Department, under Bid No. 1241.

Specifications obtainable from above office.

BIDS OPENED

SAN FRANCISCO — General Engineering & Dry Dock Co., 1100 Sansome St., San Francisco, at $1130 submitted low bid to San Francisco Board of Fire Commissioners, Room 2, City Hall, for dry-docking, inspection survey and painting of the hull of the Fire Boat "David Scannell." Other bids were Bethlehem Shipbuilding Co. $1220; Moore Dry Dock Co., $1246.

TO ASK BIDS

PEARL HARBOR T. H.—Bids will be asked shortly by the Bureau of Yards & Docks, Navy Dept., Washington, D. C., for the construction of an electrical distribution system at Pearl Harbor under Spec. No. 7604. Estimated cost, $300,000.

PERMIT ASKED

ELWOOD, Santa Barbara Co., Cal.—Application has been made by Bankline Oil Co. for War Department permit to extend an existing pier, located on State Lease No. 89, 60-ft. seaward into the Pacific ocean near Elwood. Drawings showing the location and plan of the proposed construction may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until July 30, 11 A. M., or at the office of the applicant, 634 S. Spring St., Los Angeles.

Major H. H. Stickney, District Engineer.

20—MISC. SUPPLIES AND MATERIALS

CONTRACTS AWARDED

BOULDER CANYON, Nev. — Sheffield Steel Corp., Kansas City, and the Judson Mfg. Co., Oakland, awarded contracts by the U. S. Bureau of Reclamation at code prices, for furnishing reinforcing steel for the Boulder Canyon project under Proposal No. 23140-A.

BIDS OPENED

SAN FRANCISCO—Bids received by the U. S. Forest Service, 85 Second St., San Francisco, for furnishing floor covering materials as follows:

(1) 1100 sq. yds. battleship linoleum (brown);
(2) 1100 sq. yds. linoleum (green);
(3) 2500 sq. yds. deadening felt;
(4) 70 5-gal. cans linoleum paste;
(5) 2750 sq. yds. fiberized mastic floor covering (green);
(6) 500 sq. yds. do (red);
(7) 70 5-gal. cans bituminous cement.

Bids follow:

Venor Co., S. F. (481½ sq. yds. terra cotta)	(1)	$0.79
(900 sq. yds. Navy terra cotta)		0.89
	(2)	1.02½
	(3)	0.03½
	(4)	1.55
	(5)	0.41
	(6)	0.41
	(7)	4.85
Associated Paint Mfgrs., San Francisco	(4)	$2.52
Arco Co. of Calif., Ltd., San Francisco	(4)	$7.75
D. N. & E. Walter Co., San Francisco (brown)	(1)	$0.94
(terra cotta)		0.38
(mahogany brown)		1.09¾
	(2)	1.04½
	(3)	0.05
	(4)	1.87½
Wm. Volker & Co., San Francisco (brown or terra cotta)	(1)	$0.944
	(2)	1.162
	(3)	0.037
	(4)	1.55
Paraffine Co. S. F. (brown)	(1)	$0.92
	(2)	0.99
	(3)	0.034
	(4)	1.30
	(5)	0.34
	(6)	0.34
	(7)	3.47
W. & J. Sloane, S. F. (brown or terra cotta)	(1)	$0.97
	(2)	1.21
	(3)	0.055
	(4)	2.10

Bids held under advisement pending decision of architect concerning type of covering to be used under Item No. 1.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, July 19, for furnishing 26,800 ft. Redwood lumber, for Colorado River Federal Project No. 253, under Bid No. 057:

Patten-Blinn Lumber Co., $889, f. o.b. Fort Bragg, discount, 2% 10 days; E. K. Wood Lumber Co., $1382.67 f.o.b. Los Angeles Harbor, discount 5%, 30 days; Whiting-Mead Co., $1382.67 f.o.b. Los Angeles, discount 5%, 30 days; Consolidated Lumber Co., $1,382.67 f.o.b. Wilmington, discount 5%, 30 days.

The following firms submitted identical bids at $1382.67 f. o. b. Los Angeles Harbor, discount 5%, 30 days: Central Lumber Co., Coffey Lumber Co., Hammond Lumber Co., Hayward Lumber & Investment Co., Mullin Lumber Co., Clearwater Lumber Co., Geo. M. Huff Lumber Co. All bids held under advisement.

BIDS REJECTED

SEATTLE, Wash.—All bids received by the Seattle Board of Public Works, G. W. Roberge, Secretary, Room 511, County - City Bldg., for furnishing transmission line insulators and hardware and high tension bus equipment for the Diablo Power Project, for the City Light Department, have been rejected.

BIDS OPENED

OAKLAND, Calif.—Hirt and Lloyd, Lafayette, at $16,100 submitted low bid to the East Bay Municipal Utility District, 512 16th St., Oakland, under Proposal No. 549, for furnishing:

(1) 2700 tons fine concrete aggregate;
(2) 6500 tons coarse do;
(3) total.

Complete bids follow:

Hirt & Lloyd, Lafayette, (1) $4,725; (2) $11,375; (3) $16,100; 2% discount.

Rhodes & Jamieson, Oakland, (1) $5,265; (2) $10,855; (3) $16,110.

Golden Gate Stucco Co., Oakland, 504.80.

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO. — Following bids received by T. A. Brooks, Purchaser of Supplies, for furnishing 1620 gallons of paint for Kezar Stadium:

Paraffine Co., $1792.98; W. P. Fuller & Co., $2003.22; Doidge-Koren Paint Co., $2034; Sherwin-Williams Co., $2,043; Don P. Maher, $2118.60; National Lead Co., $2124; Glidden Co., $2165.40.

BIDS OPENED

SAN FRANCISCO—Eight identical bids at $1587.20 submitted to T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing 32 counter height steel filing cases for the Municipal Court from the following firms: H. S. Crocker Co.; M. G. West Co.; Remington-Rand; Schwabacher-Frey G. Carlisle; Stevenson & Son; Rucker-Fuller; Neil Stratford & Kerr. General Freproofing Co., bid $1750.40; Yawman & Erbe bid $1796.85.

BIDS OPENED

GLENDALE, Los Angeles Co., Calif.—Identical bids at prices shown below were submitted to the Los Angeles County Board of Supervisors July 23 for furnishing 176,400 lbs. reinforcing steel for use in the construction of the Verdugo Wash conduit between Pacific and Kenilworth Avenues, Glendale, by the following firms: Blue Diamond Co., Soule Steel Co., Graham Bros., Truscon Steel Co., Concrete Engineering Co., Pacific Coast Steel Co. and J. W. Black.

The bids were:

(1) 100 lbs. 1-in. round deformed, $2.8075.
(2) 100 lbs. ⅞-in. do, $2.8075.
(3) 30,000 lbs. ¾-in. do, $2.8075.
(4) 102,000 lbs. ⅝-in. do, $2.9075.
(5) 100 lbs. ½-in. square deformed, $3.0075.
(6) 26,000 lbs. ½-in. round deformed, $3.0075.
(7) 18,000 lbs. ¾-in. do, $3.2075.
(8) 100 lbs. ¼-in. do, $3.8075.

TOTAL, $5,154.82.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

SONOMA COUNTY

SANTA ROSA, Sonoma Co., Cal.—Until August 6, 8 P. M., bids will be received by the Governing Board of the City of Santa Rosa School District and City of Santa Rosa High School District, Junior High School, 756 Humboldt St., for furnishing fuel oil (specific gravity 18 Baume) to the city school districts and for ordinary maintenance and repair of burners and furnaces operated by said school districts.

Specifications obtainable from above office. Sara J. Pryor, Secretary.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until August 8, 8 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., Oakland, John H. Kimabll, Secretary, for furnishing two centrifugal pumps with electric motors, 1400 g.p.m. head at 80 ft.

Specifications obtainable from above office. Informal Proposal No. 550.

WAR DEPARTMENT

FORT MASON, San Francisco.—Until July 30, 10 A. M., bids will be received by the Quartermaster Suppy Officer, San Francisco General Depot, Fort Mason, under Schedule No. 928-35-15, for furnishing 60 gallons olive drab ready-mixed paint, 2800 corrugated steel ash cans, 600 ax handles, 300 shovel handles, 54 step-ladders, 408 long-handle shovels, 1152 padlocks, 48 dustpans, 72 steel spittoons, 564 ash handles, 48 garden hoes, 24 brush hooks or knives, 300 garden rakes, 24 scythes, 24 sickles, 18,800 lbs. candles, 3000 rattan brooms 3000 broom handles.

Delivery fob Fort Mason.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until August 6, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, for furnishing pipe and fittings for the term: August 15, to December 31, 1934. Bid No. 1232. above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous supplies, materials and equipment, as follows:

COMPRESSORS, motor-driven ammonia, 2; ad 2 ammonia condensers; East or West yards. Sch. 2938; July 31.

GOVERNORS, pump pressure, 6; four fire and bilge governors; San Pedro. Sch. 2940; July 31.

VALVES, bronze gate, and spare seat rings; Mare Island. Sch. 2941; July 31.

CASTINGS, corrosion - resisting steel; East and West yards. Sch. 2949; August 7.

ASH, white, Mare Island and Puget Sound. Sch. 2960; August 7.

HANDLES, wood, ax, hammer, pick, sledge, chisle and file; East and West yards. Sch. 2946; Aug. 7.

STEEL, plate, approximately 135,000 lbs.; Puget Sound. Sch. 2943; August 7.

LUMBER, pine, East and West yards. Sch. 2958; August 7.

LUMBER, box and crate, 550,000 ft. b.m., Mare Island. Sch. 2964; August 7.

REDWOOD, 26,000 ft., Mare Island; 16,500 ft. Puget Sound. Sch. 2963. August 7.

PLANKING, boat, 69,000 ft. Mare Island; 24,500 ft. Puget Sound, Sch. 2959; August 7.

OAK, white, 58,000 ft.; Puget Sound. Sch. 2957; August 7.

GEARS, variable hydraulic speed, 12, and spares; Puget Sound. Sch. 2970; August 7.

COTS, canvas folding, 2,500; Western yards. Sch. 2976; August 7.

NICKEL, 3,600 lbs., for re-melting; Puget Sound. Sch. 2977; Aug. 7.

GLASS, fibrous; East and West yards. Sch. 2985; Aug. 7.

DOORS and hatches, watertight, nontight, airtight, and weathertight; East and West yards. Sch. 2984; August 10.

Specifications obtainable from above office.

SACRAMENTO COUNTY

ELK GROVE, Cal.—Until August 2, 8 P. M., bids will be received by the Board of Trustees of the Elk Grove Union High School District, Sacramento County, at the school building, for furnishing one school bus chassis and school bus body. Bids will be taken for the bus complete.

Specifications obtainable from the Principal of the school.

BUTTE COUNTY

CHICO, Cal.—Until August 7, 8 P. M., bids will be received by the Chico City Council, H. H. Hume, City Clerk, Municipal Bldg., Chico, for furnishing 30,000 gals. of road oil.

Specifications obtainable from above office.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until August 3, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, under Specifications No. 6575, for furnishing 100 standard brass bench mark caps. Delivery fob Sacramento.

Specifications available from above office.

LOS ANGELES COUNTY

WHITTIER, Los Angeles Co., Cal.—Until August 1, 7 P. M., bids will be received by the Whittier Union High School District for furnishing and installing complete 498 steel lockers, size 12x12x36, single row, double tier, recessed, with master keyed combination, self-locking lock. An alternate bid is requested for furnishing and installing the lockers without the locks. Further information may be obtained at the office of the superintendent of buildings, Philadelphia and Lindley Sts., Whittier. Bidder's bond or certified or cashier's check for 5% must accompany each bid. Marjorie L. McGregor, clerk.

CANAL ZONE

PANAMA CANAL—Until August 8, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2983, for furnishing Douglas fir and hemlock lumber. Specifications obtainable from above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE — Until August 1, 10:30 A. M., date previously reported incorrectly as August 31, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., for furnishing miscellaneous supplies, etc., under Schedule 2979.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until July 31, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, for furnishing 8 hand hole plates for 48-in. I. D. vertical donkey boiler, complete, with steel plates, bolts, hexagon nuts, steel dogs, and asbestos gaskets, under Spec. No. 6576.

Delivery f.o.b. Rio Vista.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until August 15, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, L. A. Water & Power Bureau, Room 740, 207 South Broadway, for furnishing transmission line hardware for overhead conductors under Spec. No. 1462.

Specifications obtanlable from above office.

OAKLAND CITY

OAKLAND, Alameda Co., Cal.—Until August 7, 4 P. M., bids will be received by the Oakland Board of Education for furnishing supplies under Schedule 13—Electric Incandescent Lamps and Schedule 14—Lumber Specifications and bid forms from John W. Edgemond, Secretary.

CANAL ZONE

PANAMA CANAL ZONE.—Until August 9, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2982, for furnishing: Cable, rock grab, pipe and leak locators, electric drill, water coolers, galvanized buckets, grindstones, door locks, hacksaw blades, reamers, taps, twist drills, files pipe wrenches, hand shovels, picks, rakes, hoes, hammers, hickory handles, snaths, dauber brushes, street brooms, whisk brooms, solid - rubber tires, rubber boots, burlap, aluminum folding rules, fire-extinguisher liquid, electric lighting unit, air compressors, air receivers, and motor-driven centrifugal pumps.

Specifications obtainable from above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

KINGS COUNTY, Cal.—Until August 15, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for constructing a culvert across Melga Ditch, consisting of two 8-ft. reinforced concrete spans with wing walls; constructing a bridge across Lakeside Canal, consisting af two 31-ft. reinforced concrete spans; and widening the existing bridge across Cross Creek, consisting of six 30-ft. 6-in. reinforced concrete spans, by constructing 8-ft. 9-in. reinforced concrete widening strips at each side and wing walls. The existing structures at Melga Ditch and Lakeside Canal, and the interfering portions of the existing bridge across Cross Creek are to be removed. The work is all located in Kings County. The work involves:

(1) 880 cu. yds. structure excav.;
(2) 350 cu. yds. imported borrow;
(3) 1 lot exist. structures, removed;
(4) 1 lot exist. surfacing, removed;
(5) 670 cu. yds. Class A Portland cement concrete;
(6) 98 cu. yds. Class F Portland cement concrete;
(7) 96,000 lbs. bar reinforcing steel;
(8) 664 lin. ft. timber railing;
(9) 518 lin. ft. temporary railing;
(10) 1 lot miscellaneaus items of work;

Plans and specifications obtainable from above office, and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is located.

BIDS WANTED

SANTA BARBARA COUNTY, Cal.—Until August 7, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for constructing a reinforced concrete bridge in Santa Barbara County over the existing state highway at Las Positas Road at the limits of the City of Santa Barbara, consisting of one 62-ft. span and one 22-ft. cantilever span.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

LOS ANGELES, Cal.—B. O. Larsen, 1340 E St., San Diego, at $70,961, was awarded contract by the State Highway Commission, Sacramento, for the construction of two bridges across the San Gabriel river in Los Angeles Co.

CONTRACT AWARDED

SAN BERNARDINO COUNTY, Cal.—George Hess, 434 S. Westmoreland Ave., Los Angeles, at $11,875 awarded contract by the State Highway Commission, Sacramento, for cleaning and painting overhead crossing over the tracks of the Atchison Topeka & Santa Fe Railway in the City of San Bernardino. The bid of the Pacific Bridge Painting Co., San Francisco, at $7804, was disqualified as the certified check was insufficient.

BIDS WANTED

UKIAH, Mendocino Co., Cal.—Until August 8, 7:30 P. M., bids will be received by the Ukiah City Council, Fred L. Bosworth, City Clerk, for the reconstruction of a concrete bridge across Gibson Creek on State Street.

Specifications obtainable from the City Engineer.

BIDS WANTED

SONOMA COUNTY, Cal.—Until August 6, 12 M., bids will be received by the Sonoma County Board of Supervisors, George P. Sanborn, Clerk, Santa Rosa, for the construction of a reinforced concrete culvert over Fowler Creek on El Verano road in Sonoma County. The work involves:

(1) 131 c.y. Class A concrete;
(2) 1.5 c.y. Class E concrete;
(3) 20,000 lbs. reinforcing steel;
(4) 125 c.y. structural excavation;
(5) removal of old bridge.

Specifications obtainable from County Engineer E. A. Peugh.

CONTRACTS AWARDED

YUBA COUNTY, Cal.—Carl R. Feldler, 2631 30th St., Sacramento, at $1,597.55 (1) and $1,364.61 (2) submitted low bids and awarded contracts by the Yuba County Board of Supervisors Marysville, for the construction of (1) a reinforced concrete bridge over a creek near the Whiteside Home, Road District No. 1; and (2) reniforced concrete bridge across creek about ½ mi. westerly from Iowa City, Road Dist. No. 2.

M. A. Jenkins, Sacramento, at $1,788 (1); and $1,665 (2), submitted the only other bids.

BIDS WANTED

YAKIMA COUNTY, Wash. — Until August 7, 10 A. M., bids will be received by the Washington State Highway Directors, L. V. Murrow, Director of Highways, Olympia, Washington, for bridge and highway construction as follows:

Grading and surfacing with crushed stone about 0.9 mile and constructing a steel girder bridge on concrete piers with a concrete deck 542 ft. long across the Yakima river, and a reinforced concrete girder bridge 114-ft. long across a slough on State Road No. 8, Yakima River vicinity between Buena and Toppenish, F.P.W. Project 8031, Yakima County.

The work involves:

(1) 69,535 c.y. excavation and borrow;
(2) 2,770 c.y. crushed stone surface;
(3) 329 l.f. pipe culverts;
(4) 1,560 c.y. concrete;
(5) 170,000 lbs. steel reinf. bars;
(6) 537,500 lbs. structural steel;
(7) 840 l.f. precast concrete piling.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until August 6, 10 A. M., as previously reported, bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Court House, Sacramento, for the construction of a reinforced concrete bridge on the Hack road, located between the Upper and Lower Stockton Road.

The work involves:

(1) 138 c.y. concrete in abutments, deck, girders, post underbents, and curbs (6 sacks cement to a yard);
(2) 3.5 c.y. concrete in railing posts, etc. (9 sacks);
(3) 19,600 lbs. bar reinforcing steel;
(4) 150 c.y. excavation and backfill.

Plans and specifications obtainable from County Engineer John J. Rooney upon deposit of $10.00.

CONTRACT AWARDED

YUBA COUNTY, Cal.—Bundesen & Lauritzen, P. O. Box 395, Pittsburg, at $8,885 awarded contract by State Highway Commission, Sacramento, for constructing seven timber sheet piling cofferdams, backfilling with gravel and capping with Portland cement concrete, on Piers No. 3 to 9, inclusive, on the northerly end of the "D" Street bridge across the Yuba river in Marysville.

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until August 16, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for construction of a bridge across Escondido Creek about 12 miles south of Carlsbad, San Diego County, consisting of four 45-ft. reinforced concrete slab spans on reinforced concrete piles and abutments with wing walls. The work involves:

(1) 800 cu yds structure excav.;
(2) 900 cu. yds. channel excavation;
(3) 4869 lin. ft. furnishing reinforced concrete piles, including test piles;
(4) 129 each driving reinforced concrete piles, including test piles;
(5) 275 cu. yds. Class A Portland cement concrete footing blocks;
(6) 848 cu. yds. Class A Portland cement concrete, structure;
(7) 13 cu. yds. Class A Portland cem. concrete, railing;
(8) 141,000 lbs. bar reinforcing steel;
(9) 1 lot miscellaneous items of work.

Plans and specifications obtainable from the State Highway Commission, Public Works Bldg., Sacramento, and on file at the offices of the District Engineers at San Francisco, Los Angeles, and the district in which the work is located.

CONTRACT AWARDED

SACRAMENTO, Cal.—P. F. Bender, 1012 Del Paso Blvd., Sacramento, at $1,866.10 awarded contract by the Sacramento County Board of Supervisors for the construction of a concrete bridge on the Elder Creek Road.

22—DREDGING HARBOR WORKS EXCAVATION

COMPLETING PLANS

LAGUNA BEACH, Los Angeles Co., Cal.—Arthur J. Stead, consulting engineer, 490 Thalia St., Laguna Beach, has completed tentative plans for a yacht harbor development project at Laguna Beach. The proposed development is reported to be endorsed by the city council, the Lions' Club and the Chamber of Commerce. Private capitalists are said to be promoting the project. Plans include a pier 450-feet in length, a breakwater extension to the pier, 500-ft. in length.

Estimated cost, $200,000. A yacht club to further the interests of the harbor is being organized.

TO PREPARE PLANS

SANTA MONICA, Los Angeles Co., Calif.—Howard B. Carter, City Engineer, has been authorized by Santa Monica City Council to prepare plans and specifications for three groins to be constructed in the area opposite the foot of the California Avenue incline. Two of these will be temporary structures of wood construction, 150- and 100-in. in length. The third will be of steel construction, 300-feet in

CONTRACT AWARDED

YUBA CO., Cal.—Swinyer Const. Co. 219 Serra Madre Ave., Pasadena, at $45,447.50 awarded contract by the U. S. Engineer Office, Sacramento, for the construction of a levee approximately 9.6 miles in length on the northerly side of Simmerly Slough from the W. P. R. R. to the S. P. R. R. and along the southerly side of the S. P. R. R. from Simmerly Slough to the easterly bank of the Feather river and along the easterly bank of the Feather river from the S. P. R. R. to a point about eight miles northerly therefrom.

BIDS WANTED

SACRAMENTO, Cal.—Until July 30, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Specification No. 6574, for raising and strengthening an existing levee and constructing new levee along southerly bank of the American river from the Western Pacific R. R. to the east boundary of the Meister tract, a distance of about 2.3 miles, involving the placing of approximately 349,000 c.y. of embankment in place in levee.

Specifications obtainable from above office.

Bids were previously opened June 8 and rejected July 2. George Pollock, 1011 Forum Bldg., Sacramento, submitted low bid at $79,572, at that time.

BOND ELECTION

SAN MATEO COUNTY, Calif.—San Mateo County Harbor Commission has set August 28 as the date for a special election on a bond issue of approximately $450,000 to procure a PWA loan and grant toward construction of Redwood City harbor improvement. Total cost of the harbor work planned is estimated at $635,000. Federal participation to a total of $185,000 is expected.

The government's share would be $91,000 for shore facilities, including wharves, warehouses, tracks, etc., estimated total $403,000; and $94,000 for channel and turning basin dredging to cost $228,000. A contingent government expenditure is that for dredging San Bruno shoals to cost $107,000 to be undertaken when Redwood City development is underway.

Members of the San Mateo County Harbor Commission are: S. A. Keyston, San Mateo; Henry Beeger, Redwood City; Percy Shaw, South San Francisco.

County Engineer James S. James is consultant.

FUNDS ALLOTTED

SANTA BARBARA, Cal. — The PWA has allotted $46,000 as a loan and grant to the City of Santa Barbara for the construction of beach protection groynes.

The proposed work will involve: 580 tons steel sheet piling; 80 wooden piles 20 ft. in length and 1600 ft. timber bunker caps.

CONTRACT AWARDED

SACRAMENTO, Calif. — Campbell Const. Co., 800 R Street, Sacramento, at $16,425 awarded contract by the American River Flood Control District, Sacramento, for the construction of a flood retaining wall and plant building, Station 160 plus 20 to Station 163 plus 70, south levee, Sacramento.

23— IRRIGATION PROJ.

CONTRACTORS REPRESENTATIVE

YUMA, Ariz.—J. C. Thrailkill, office engineer, Bureau of Reclamation, Yuma, Arizona, announced July 16 that L. D. Crawford of Dallas, Texas, representing the W. E. Callahan Construction Company and Gunther and Shirley, contractors for the All-American Canal, is expected in Yuma within the next few days. He will stay at the San Carlos Hotel.

BIDS OPENED

LOS ANGELES, Cal.—W. H. Rumble, 6507 Haas Ave., Los Angeles, at $39,994 submitted low bid to the Board of Public Works for constructing an ornamental lighting system in Gaffey St. between Ninth St. and Paseo Del Mar, San Pedro.

The other bids were:

Newberry Electric Corp.	$40,733.26
Walker Martin Corp., Ltd.	40,975.00
Marbelite Corp. of America	42,450.00
R. A. Wattson	42,592.00
E. C. Nickel	43,860.00
Garrett Company	55,950.00

CONTRACT AWARDED

LOS ANGELES, Cal.—W. H. Rumble, 6507 Haas Ave., Los Angeles, at $39,994 awarded contract by the Los Angeles Board of Public Works, for constructing an ornamental lighting system in Gaffey St., between 9th St. and Paseo Del Mar, San Pedro.

CONTRACT AWARDED

SAN FRANCISCO. — Union Paving Co., Call Bldg., at $36,412 awarded the contract by the Public Utilities Commission, City Hall, for the installation of an ornamental lighting system on Tenth, Bryant, Harrison and Fell Sts. (Contract No. 5 L & P).

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

OAKLAND, Cal.—Spears-Wells Machinery Co., 1832 W. 9th St., Oakland, at $5,720.00 less discount, awarded the contract by the East Bay Municipal Utility District for furnishing one 2½-ton power crane under Proposal 547.

CONTRACT AWARDED

OAKLAND, Cal.—Spears-Wells Machinery Co., 1832 W. 9th St., Oakland, at $4,422.87 awarded contract by the East Bay Municipal Utility District for furnishing one gasoline motor-driven tandem roller under Proposal No. 630.

CONTRACT AWARDED

OAKLAND, Cal.—Spears-Wells Machinery Co., 1832 W. 9th St., Oakland, at $5,026.68 less $81.50 discount awarded contract by the East Bay Municipal Utility District for furnishing one 7-ton power crane under Proposal 548.

CONTRACT AWARDED

OAKLAND, Cal.—Harron, Rickard & McCone, 2070 Bryant St., San Francisco, at $8,150 awarded contract by the East Bay Municipal Utility District for furnishing one ladder type trenching machine under Proposal 545.

CONTRACT AWARDED

JACKSON, Amador Co., Calif.—The Midland Tractor Co., 1701 Second St., Sacramento, at $3,529.07 awarded contract by the Board of Supervisors of Jackson for furnishing one 35-h.p. Caterpillar tractor.

The Midland Tractor Co. was sold the used tractor owned by the city at $403.00.

CONTRACTS AWARDED

SAN FRANCISCO.—Following contracts have been awarded by T. A. Brooks, Purchaser of Supplies, for furnishing woodworking machinery for the School Department, under Bid No. 1179:

(A) Jenison Machinery Co., 900 Tennessee Street.

(B) Yates American Machinery Co., 725 Bryant Street.

(1) single surfacer, (B) $1,137.83.
(2) hand jointer, (A) $295.
(3) horizontal boring machine, (B) $360.05.
(4) Universal saw bench, (B) $996.79.
(5) 30-in. metal hand saw, (A) $557.
(6) belt sander, (B) $996.39.
(7) spindle shaper, (B) $406.44.
(8) mortizer, (A) $553.

Complete bids published April 23. The awards on contracts were previously reported incorrectly.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Wm. Kern, Weott, at $2.71 per hour operated, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Ave., Eureka, for the rental of one 950-gallon water sprinkler truck for approximately 200 hours, to be used in the vicinity of Boonville, Mendocino County. Complete bids follow:

Wm. Kern, Weott	$2.74
Chas. Kuppinger Co., Lakeport	2.75
K. N. Dewar, Eureka	2.79
Ashurst Bros, Hopland	2.80

BIDS REJECTED

ANTIOCH, Cal.—All bids received by the Board of Trustees of the Antioch High School, July 13, for furnishing one 41-48 passenger school bus, have been rejected.

CONTRACT AWARDED

BERKELEY, Alameda Co., Calif.—Hall-Scott Motor Co., 2850 Seventh St. Berkeley, at $1145 awarded contract by the Berkeley City Council for furnishing one six-cylinder motor for the Berkeley Fire Department.

TO ASK BIDS

SAN MATEO COUNTY, Cal. — County Engineer James S. James has been instructed by the San Mateo County Board of Supervisors to call for bids for the rental of a steam shovel for the La Honda Road Project. The County has abandoned plans for purchasing the equipment.

26— RAILROADS

CONTRACT AWARDED

GRAND COULEE, Wash.—David H. Ryan, Davenport Hotel, Spokane at, $235,570 awarded contract by Bureau

of Reclamation, Spokane, for the construction of the U. S. Construction Railroad at the Grand Coulee Dam.

CONTRACTS AWARDED

SAN FRANCISCO—Columbia Steel Co., Russ Bldg., San Francisco, at $2908 (item 1) and $1260 (item 2); and the Pacific Coast Steel Corp., 20the & Illinois Sts., San Francisco, at $2038 (item 3) awarded contracts by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing track crossings under Bid No. 1220.

CONTRACT RE-AWARDED

SAN FRANCISCO.—A. D. Schader, 144 Spear St., at $16,995.97 awarded contract by the Public Utilities Commission, City Hall, for the reconstruction of the Potrero Avenue street car line from 18th to Army street (M. R. R. Contract No. 168).

The contract was previously awarded to Theodore Cohn, Russ Bldg., at $12,826, but was forfeited due to failure to post the required bond.

30—RESERVOIRS & DAMS

BIDS OPENED

BONNEVILLE, Ore.—Following blds received by the U. S. Engineer Office, Portland, July 18, for furnishing two 60,000-hp. Kaplan turbines and governing equipment for same, under Bid No. 34-804:

S. Morgan Smith, York, Pa., $1,193,-075.00.

Pelton Water Wheel Co., 2929 19th St., San Francisco, $1,255,080.00.

Allis-Chalmers Mfg. Co., Milwaukee, Wis., $1,252,025.00.

Blds held under advisement pending determination of freight rates from shipping point.

CONTRACT AWARDED

FORT PECK, Mont.—A. S. Schulman Electric Co., 537 S. Dearborn St., Chicago, at $398,478.34 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for the construction of the Fort Peck Dam electrical system for No. 7 circuit and dredge feeders, constructing the river crossing with A. C. S. R. conductor cable.

Complete bids published July 20.

FUNDS ALLOTTED

YUMA, Arizona—The recent $3,000,-000 allotment for continuance of work on the All-American Canal project will provide for the construction of the Imperial Dam for diversion purposes. This additional amount will provide for constructing the dam and desilting works adjacent to it. The dam will be of the rock-filled type, 1770 feet long and about 25 ft. high. The desilting plant will be composed of six large basins, 1200 feet long by 110 feet wide, through which water from the river will be freed of silt before being turned into the irrigation canals.

CONTRACT AWARDED

SACRAMENTO, Cal.—Larsen Bros., 5200 21st Ave., Sacramento, at $9,980 awarded contract by the American River Flood Control District, Sacramento, for construction of Chicken Ranch Slough dviersion ditch and dam.

31—PIPE LINES & WELLS

BIDS WANTED

BONNEVILLE, Oregon—Until July 31, 2 P. M., bids will be received by the U. S. Engineer Office, Major C. F. Williams, District Engineer, 306 Customhouse, Portland, under Bid No. 35-47, for drilling a well for the purpose of providing a domestic water supply for the permanent quarters area at Bonneville, including the furnishing of samples at frequent intervals for subsurface information. The work involves:

(1) 100 lin. ft. drilling with churn or well drill and setting not less 12-in. diameter casing;
(2) 80 lin. ft. drilling with same drill and setting 10-in. diameter casing.

Specifications obtainable from above office.

CONTRACT AWARDED

PORTERVILLE, Cal.—Monroe Cline 209 W. Olive St., Porterville, awarded contract by the Porterville City Council for drilling a new water well on West Orange St. near F Street.

F. M. Pfrimmer, City Manager.

BIDS WANTED

SAN FRANCISCO.—Until August 8, 3 P. M., new bids will be received by the Public Utilities Commission, Room 287, City Hall, for the laying of the University Mound Pipe Line Extension on Potrero Avenue from 25th to Brannan St., under Spec. W. D. 62.

The work involves:

(1) removal and delivery of steel pipe from Newark - San Lorenzo Pipe Line to San Francisco:
  (a) 2 200 l.f. 44-in. pipe;
  (b) 4,200 l.f. 36-in. pipe;
(2) excavation, backfill, excess removal, etc., for trench:
  (a) 2,200 l.f. of trench for 44-in. pipe
  (b) 4 200 l.f. of trench for 36-in. pipe
(3) additional excavation, backfill, excess removal, etc., 400 c.y .;
(4) additional pavement removal and replacement, 1,000 sq. ft.;
(5) installation of pipe, making of field joints, cleaning up, etc.:
  (a) 2 200 l.f. 44-in. pipe;
  (b) 4,200 l.f. 36-in. pipe;
(6) installation of fittings, gate valves, etc., 20,400 lbs.;
(7) additional field joints, including preparation, handling, making and lining and coating of joints, 150 l.f.
(8) insulating joints, including material, prepare pipe, making and installation of joint, wrapping and lining of joints, 7 joints;
(9) connections—work to be done by S. F. Water Department.

Specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

Felton Taylor, Secretary of the Commission.

On the previous opening, July 6, the Youdall Const. Co., 215 Market Street, at $71,556.70 submitted the only bid, which was rejected.

CONTRACT AWARDED

SAN FRANCISCO.—Barrett & Hilp, 918 Harrison St., at $157,669.50 (Alt. A, steel pipe with asphalt dip) were awarded contract by the Public Utilities Commission, City Hall, for the construction of the Sunset Reservoir Supply Pipe Line, F.P.W. Project No. 1510-4.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN DIEGO, Cal.—Until Aug. 22, 11 A. M., bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7425, for constructing sewers, water and gas lines, and electrical ducts, cables, and equipment at Naval Operating Base (Air Station), San Diego.

Plans and specifications obtainable from the Commandant, 11th Naval District, foot of Broadway, San Diego, upon deposit of $10.

BOND ELECTION

SAN MATEO, San Mateo Co., Cal. —August 30 has been set as the date for holding a special election in San Mateo to vote bonds in amount of $85,000 to secure a PWA allotment for the construction of a sewer system estimated to cost approximately $140,000.

The system will be constructed jointly by San Mateo, Burlingame and Hillsborough.

City Engineer E. P. Wilsey.

CONTRACT AWARDED

SAN FRANCISCO.—MacDonald and Kahn Company, Ltd., Financial Center Bldg., at $49,415.20 awarded contract by the Department of Public Works, City Hall, for the construction of the Yosemite Avenue sewer from Keith St. to Ingalls St.

BIDS WANTED

SAN LUIS OBISPO, Cal.—Until August 16, 8 P. M., bids will be received by the San Luis Obispo City Council, Callie M. John, city clerk, for furnishing mechanical equipment for a proposed sewage treatment plant, as follows:

(1) mechanically cleaned bar screen;
(2) coagulant mixing equipment;
(3) driving mechanism for existing sludge removal equipment;
(4) sedimentation basin sludge removal mechanism and appurtenances.

Specifications obtainable from above office.

FUNDS GRANTED

PORTLAND, Oregon — The Public Works Administration has granted $2,400,000 to the City of Portland to aid in financing construction of a sewage disposal system. Estimated cost of the project is approximately $8,000,000. Harrison P. Eddy of Boston is consulting engineer. J. W. Cunningham, Spalding Bldg., and Robert G. Dieck, Failing Bldg., local consulting engineers.

FUNDS ALLOTTED

SAN JUAN CAPISTRANO, Cal.—The Public Works Administration has allotted to the City of San Juan Capistrano, Orange County, a loan and grant of $17,000 for rebuilding the septic tank. The work involves the construction of a secondary clarifier, a trickling filter and 300 lin. ft. of outfall sewer.

BIDS WANTED

LOS ANGELES, Cal.—Until August 8, 3 P. M., bids will be received by County Sanitation District No. 1, 202 Law Bldg., 139 N. Broadway, Los Angeles, for the construction of a portion of the Hooper Avenue-Compton Creek trunk sewer, including 9239 ft. of sewer located parallel to and approximately 47 ft. east from the center line of the existing Compton Creek right of way of Los Angeles County Flood Control District, and extending genrally northerly from the intersection of the center line of the proposed sewer and the center line of Pacific Avenue, including a crossing of the proposed sewer under the Compton Creek right of way, to Station 189 plus 38.18 of the center line of the proposed sewer. Also for constructing 6130 ft. of sewer located partly in private right of way, partly in Slater Avenue and partly in Compton Avenue, and beginning at the said Station 189 plus 38.18, thence extending generally north a distance of approximately 6184 ft. to a junction with an existing section of the Hooper Avenue-Compton Creek trunk sewer at about the intersection of the center lines of Compton Ave. and 119th St.

The work involves:

(1) 9 239 ft. 33-in. extra strength vit. clay pipe sanitary sewer;
(2) 6,150 ft. 27-in. do;
(3) 17 standard manholes;
(4) 14 drop manholes;

Certified or cashier's check or sure-
(5) 15 junction chambers;
(6) 3,000 tons gravel bed where required under pipe.
ty bond, 10%. Plans and specifications may be obtained from A. K. Warren, Chief Engineer, 202 Law Bldg., 139 North Broadway, Los Angeles.

ENGINEERS APPOINTED

SAN FRANCISCO—W. H. Worden, Director of Public Works, has named the following engineers as consultants in connection with the proposed sewage disposal plants to be erected at Baker's Beach and the Marina:

Harrison P. Eddy, Boston, president of the American Society of Civil Engineers.

Charles Gilman Hyde, professor of sanitary engineering, University of California.

Leon E. Reynolds, professor of sanitary engineering, Stanford University

Clyde C. Kennedy, San Francisco, sanitary engineer.

33— WATERWORKS

CONTRACTS AWARDED

TACOMA, Wash. — Following contracts awarded by the Board of Contracts and Awards, City Hall, Tacoma, for the construction of the Green River gravity pipe line:

(1) Birchfield Boiler Co., 2503 E. 11th St., Tacoma, $102,028; steel pipe.
(2) American Concrete Pipe Co. of Washington, 459 E. 15th St., Tacoma, $107,062.75; centrifugally spun concrete pipe.
(3) Hunt & Mottet, 2112 Pacific, Tacoma, $7,562.22; gates, valves.
(4) Pacific Water Works Supply Co., Atlantic St. Dock, Seattle, $1,161.52; gate valves.

BIDS OPENED

FORT STANTON, N. M.—Complete tabulations of the bids received by the Treasury Department, Washington, D. C., for furnishing: Pipe and fittings under Proposal 7744; pipe and fittings under Proposal 7745, opened July 10, and for valves, Proposal 7746; and valves, Proposal 7747, opened July 9; all for the Marine Hospital at Fort Stanton are on file at the office of Daily Pacific Builder.

BIDS WANTED

SAN FRANCISCO.—Until August 10 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 70, City Hall, under Bid No. 1243, for furnishing 8- 12- and 14-in. gate valves; head gearing for 16- and 18-in. gate valve, and 12-in. check valve. Specifications obtainable from above office.

PURCHASE PLANNED

ROSEVILLE, Cal. — The Roseville City Council has voted to purchase the existing water system owned by the Public Utilities California Corporation at approximately $185,000. Arrangements have been completed and the City will sell $200,000 in bonds to R. H. Moulton & Co. to finance the purchase.

BOND ELECTION

SANTA BARBARA, Cal.—An election will be held Aug. 28 to vote on a $300,000 bond issue for municipal water system improvements. The proposed work includes the construction of a reservoir and reforestration of the entire city water shed.

BONDS VOTED

CHEHALIS, Washington—Chehalis, Wash., has approved a $110,000 bond issue to finance repairs and reconstruction of the city water system. The work will include replacing about miles of existing 4, 6 and 8-inch wooden stave water mains with cast iron pipe; also about one mile of 14-in. main within the city supplying water direct from the intake pipe line; and 3 miles of 16 and 18-in. pipe leading from the intake.

TO ASK BIDS

SANTA MONICA, Los Angeles Co., Cal.—The Santa Monica city council has authorized a readvertisement for bids for furnishing 10,000 ft. 6-in. and 2500 ft. 4-in. cast iron pipe, under open specifications. The resolution was adopted despite the protest of Col. H. C. Sanborn, Commissioner of Public Works, who recommended the purchase of centrifugally cast pipe. All bids received June 30 were rejected. The new date for bids will be set shortly.

CONTRACT AWARDED

COOLIDGE, Ariz.—The Roscoe Moss Co., 4360 Worth St., Los Angeles, at $69,938.40 awarded contract by the U. S. Indian Irrigation Service, Coolidge, for drilling thirty wells for the San Carlos Project, F. P. 261.

NEW BIDS ASKED

FALLON, Nevada—Until August 8, 10 A. M., new bids will be received by the Fallon City Council, A. E. Wilson, City Clerk, for the construction of improvements to a portion of the water supply and distribution mains of the municipal water system, and the construction of an entirely new 1,000,000 gallon reservoir in solid and loose rock of a semi-subsurface type to be connected to the supply mains of the water system.

Bids will be taken as follows:

SUPPLY MAINS

I Cast Iron Pipe, furnished only, fob Fallon;
(1) 9,900 l.f. 10-in. cast iron pipe;
(2) bidder's estimate of jute (lbs.);
(3) bidder's estimate of lead (lbs.);
(4) 200 lbs. lead wool;
(5) bidder's estimate, fittings or specials for cast iron supply mains;
(6) valves for mains (a) one 6-inch gate blow-off; (b) one 1-in. air relief.

II Excavating, backfilling, hauling, laying, disconnecting, re-connecting, and installing cast iron pipe with field-calked joint, including all fittings, specials, valves, hydrants, complete:
(1) 9,900 ft. 10-in. pipe, estimated;
(2) 4 each disconnect and reconnect ¾-in. services, includ. ¾-in. galv. iron pipe for necessary extensions.

III Furnishing cast iron pipe, pre-calked joint, delivered fob Fallon:
(1) 9,900 ft. 10-in. pipe, estimated;
(2) furnishing lead and jute to calk joints on all new pipe, plus additional required for existing connection on old mains:
(a) 18 lbs. jute;
(b) 500 lbs. lead;
(c) 25 lbs. lead wool.

IV Installing cast iron pipe, pre-calked joints;
(1) 9,900 ft. 10-in. pipe, estimated;
(2) furnishing lead and jute to calk ¾-in. services and furnish necessary ¾-in. galvanized pipe.

V Wrapped Steel Pipe, furnishing and connecting, delivered and assembled in trench with joints made, including moving valve house, but not including any other trenching, excavating and backfilling:
(1) 9,900 l.f. 10-in. wrapped steel pipe;
(2) 3 lbs. jute;
(3) 80 lbs. lead;
(4) fittings or specials for steel supply mains;
(5) valves with valve boxes for steel supply mains, delivered and installed, complete:
(a) one 6-in. gate blow-off;
(b) two 10-in. gates;
(c) one 1-in. air relief.

VI Wrapped Steel Pipe, trenching, excavating, and backfilling as necessary for complete construction and reconstruction of steel supply mains, complete:
(1) 9,900 ft. 10-in. pipe;
(2) disconnect and reconnect ¾-inch services and furnishing pipe for 4 extensions.

DISTRIBUTION MAINS

I Cast Iron Pipe, furnishing only, delivered fob Fallon:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 3,820 ft. 10-in. pipe;
(5) lead and jute:
(a) bidder's estimate of jute (lbs.);
(b) bidder's estimate of lead (lbs.);
(c) 200 lbs. lead wool;
(6) fittings and specials for cast iron pipe distribution mains, fob Fallon (furnishing);
(7) valves for cast iron pipe distribution system (furnishing);
(a) 23 4-in. gate;
(b) 11 6-in. gates;
(c) one 10-in. gate.
(8) hydrants for cast iron distribution mains, 2-way, 6-in. bottom drip, frost - proof with auxiliary gate valves (furnishing):
(a) 8 each.

II Cast Iron Pipe, field-calked joints, excavating, backfilling, hauling, and installing, including all fittings, or specials, valves and hydrants, complete:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 2,820 ft. 10-in. pipe;
(5) disconnect and reconnect ¾-inch services (estimated 420) and furnish necessary ¾-in. galv. pipe;
(6) disconnect and reconnect wrought pipe extensions to mains.

III Cast Iron Pipe, pre-calked joint, furnishing fob Fallon:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 3,820 ft. 10-in. pipe;
(5) lead and jute, furnishing:
(a) 330 lbs. jute;
(b) 9,500 lbs. lead;
(c) 200 lbs. lead wool.

IV Excavation, hauling, backfilling, installing cast iron pipe with pre-calked joint, including all fittings or specials, valves, and hydrants, complete:
(1) 17,646 ft. 4-in. pipe;
(2) 12,857 ft. 6-in. pipe;
(3) 1,575 ft. 8-in. pipe;
(4) 2,820 ft. 10-in. pipe;
(5) disconnect and reconnect ¾-inch services (estimated 420) and furnish necessary ¾-in. galv. pipe;
(6) disconnect and reconnect wrought pipe extensions to mains.

RESERVOIR

Furnishing all material and constructing in place with inlet, overflow pipe, valves, fittings, roof, etc., complete:
(1) 1,000,000 gals. reservoir, Type A;
(2) 1,000,000 gals. reservoir, Type B.

SUPPLY & DISTRIBUTING MAINS

I Cast Iron Pipe, field-calked joints, supply and distribution mains;

II Cast Iron Pipe, pre-calked joints, supply and distribution mains;

III Cast Iron Pipe field-calked joints, distribution mains and steel wrapped pipe suplpy mains;

IV Cast Iron Pipe, pre-calked joints, distribution mains, and steel wrapped pipe and supplemental mains.

SUPPLY & DISTRIBUTION MAINS AND RESERVOIR

Bids will be taken for a 1,000,000-gallon reservoir, Type A, and a combination of one of the above four alternates (supply & distribution mains) and for a 1,000,000 gallon reservoir, Type B, and a combination of one of

the above four alternates, making 8 propositions in all.

City officers are: J. N. Tedford, Mayor; A. E. Wilson, City Clerk, and L. W. Crehore, Engineer, Fallon.

Plans and specifications obtainable from above office upon deposit of $5 per set; $2.50 returnable.

BIDS OPENED

SAN FRANCISCO. — General Engr. & Drydock Co., 1100 Sansome Street, at $9,749.90 submitted the only bid to the Department of Public Works, Room 251, City Hall, July 13, for reconditioning gate valves for the auxiliary water supply system for fire protection; Contract No. 1. Engineer's estimate of work was $16,000.

BIDS OPENED

SEATTLE, Wash. — Western Engineering Corp., Seattle, at $0.0745 per lb., total $6.705, submitted low bid to the Seattle Board of Public Works, J. D. Ross, Superintendent of City Lighting Department, for the erection of a 50,000 gallon steel tank at Reflector Bar on the Diablo Power Project. The other bids were: Seattle Boiler Works, $0.078; Pittsburg-Des Moines Steel Co. $0.092; Chicago Bridge & Iron Works, $0.0995.

CONTRACT AWARDED

ST. HELENA, Napa Co., Calif.—St. Helena city council has awarded contract to Ross Berglund, 1216 3rd St., Napa, at $915 for a Fairbanks-Morse turbine pump. Due to an emergency, the contract was let without advertising for bids.

TO ASK BIDS

SANTA BARBARA, Cal.—Victor E. Trace, water superintendent, has announced that bids will be taken in August for three units of the proposed water purification system. The cost is estimated at $20,000. One plant will be installed at the south portal of Mission Tunnel, the second at Sheffield Reservoir, and the third at Bothin Reservoir near Cold Springs Canyon, Montecito.

CONTEMPLATED.

COSTA MESA, Calif.—Representatives of the Newport-Mesa Irrigation District, the Fairview Farms Water Co., the Santa Ana Heights Water Co. and the Newport Heights Irrigation District are discussing the possibility of inter-connecting the four water systems of Costa Mesa as a means of effecting economies in the operation of these water systems. The replacement of the present equipment by installing Diesel engines is also under consideration. A committee to make further investigations has been named The members are: W. W. Middleton, W. L. Copeland, D. J. Dodge and L. R. Daughenbaugh.

BOND ELECTION

BURLINGAME, San Mateo Co., Cal. —The Burlingame electorate will vote Sept. 4 on an $86,000 bond issue to secure a PWA allotment of $147,000 toward the construction of a sewage disposal and treatment plant to be constructed by Burlingame, San Mateo and Hillsborough.

The City of Hillsborough will contribute $21,000 toward the project. ect.

Chas. M. Thomas, Burlingame City Engineer.

Harry N. Jenks, consulting engineer, 2701 Benvenue, Berkeley, is preparing plans and specifications.

CONTRACTS AWARDED

OAKLAND, Cal.—United Iron W'ks, 580 Second St., Oakland, at $3,662.31, Schedule 1, and $3,208.13, Schedule 2, and the Phoenix Iron Works, Second and Castro Sts., Oakland, at $8,978.40, Schedule 3, awarded contracts by the East Bay Municipal Utility District for furnishing (1) pipe and nipples; (2) pipe fittings, and (3) collector pipe under Proposal L. S. 128.

CONTRACTS AWARDED

OAKLAND, Cal.—Waterworks Supply Co., 501 Howard St., San Francisco, at $7,760 Schedule 1, and at $3,669.89, Schedule 2, awarded contracts by the East Bay Municipal Utility District for furnishing gate valves under Spec. L. S. 129.

CONTRACT AWARDED

OAKLAND, Cal.—Steel Tank & Pipe Co., 1100 4th St., Berkeley, at $2,768 awarded contract by East Bay Municipal Utility District for furnishing and erecting one 250,000-gallon steel storage tank, under Spec. No. 127.

BONDS VOTED

MOAB CITY, Utah.—Moab City voted in favor of a $32,000 bond election July 6 in order to secure a $47,000 PWA loan for construction of a sewer, waterworks project scheduled to start in August.

BIDS WANTED

SAN FRANCISCO.—Until August 6, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, for furnishing high pressure fire hydrants and nozzle caps. Bid No. 1233.

Specifications obtainable from the above office.

FUNDS ALLOTTED

MODOC COUNTY, Cal.—The PWA has allotted a loan and grant of $160-000 to the Big Valley Irrigation District, S. A. Mushen, Alturas, Consulting Engineer, to aid in financing construction of an irrigation storage reservoir on the Pitt River in Modoc Co. Estimated cost, $250,000.

BIDS WANTED

SAN FRANCISCO—Until July 27, 10 A. M., bids will be received by H. N. Krenkel, Material Officer, U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco, for furnishing and installing one fire hydrant and valve at the Hospital. Specifications obtainable from above office.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, for furnishing:

(1) 3 30-in. gate valves:
(2) 3 36-in. gate valves;
(3) Combination of items 1 and 2.

Complete bids follow:

Iowa Valve Co., 501 Howard St., San Francisco, (1) $621.67; (2) $942.61; (3) $4692.84.

Ludlow Valve Mfg. Co., 420 Market St., San Francisco, (1) $624.04; (2) $1108.96; (3) $5199.

Chapman Valve Mfg. Co., 508 4th St., San Francisco, (1) $624.04; (2) $1108.96; (3) $5199.

Rensselaer Valve Co., 55 New Montgomery St., San Francisco, (1) $624.04; (2) $1108.96; (3) $5199.

Kennedy Valve Mfg. Co., 448 10th St., San Francisco, (1) $731.38; (2) $1108.96; (3) $5199.

Crane Co., 301 Brannan St., San Francisco, (1) $730.77; (2) $1107.84; (3) $5515.83.

Columbia Iron Works, $649.24; (2) $1108.96; (3) $5274.60.

All bids held under advisement.

34—PARKS AND PLAYGROUNDS

CONTRACT AWARDED

SAN FRANCISCO — Anchor Post Fence Co., 460 Fifth St., San Francisco, at $49 awarded contract by Department of Public Works, San Francisco, for fencing at Guadulupe School, Cordova and Prague Sts.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

SACRAMENTO, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $11,267.70 awarded contract by the Sacramento City Council for paving with asphaltic concrete a section of the Freeport Blvd. in front of the Sacramento Junior College and William Land Park.

BIDS OPENED

YUBA COUNTY, Cal.—Hemstreet & Bell, 501 Eleventh St., P. O. Box 215, Marysville, at $2,942 submitted low bid to the Department of Public W'ks. Division of Highways, C. H. Whitmore District Engineer, Marysville, for surfacing with bituminous treated crushed gravel or stone surfacing (plant mixed) about 0.12 mile in the City of Marysville, between the north end of the "D" Street bridge and Second St.

The work involves:

(1) 425 tons crushed gravel or stone (bituminous treated surfacing);
(2) 21 tons cut-back asphalt (do);
(3) 3,300 sq. yds. emulsified asphalt paint binder.

Complete bids follow:

Hemstreet & Bell, Marysville, (1) $5.50; (2) $22.50; (3) $0.04; total, $2,942.00.

A. J. Raisch, San Francisco, (1) $6.50; (2) $25.50; (3) $0.03; total, $3,386.50.

COMPLETE BID LISTING

TULARE COUNTY, Cal.—Stewart & Nuss, Inc., 410 Thorne Ave, Fresno, at $11,340, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, K. M. Gillis, District Engineer, Fresno, for treating shoulders with fuel oil on about 29 miles in Tulare County, between Kern County Line and Porterville, and between Tulare Wye and 4 miles west of Lindsay. The work involves:

(1) 2800 bbls. heavy fuel oil, in place;
(2) 112,000 sq. yds. preparing and mixing shoulder materials.

Complete bids follow:

Stewart & Nuss, Inc., Fresno, (1) $1.85; (2) $0.055; Total, $11,340.

John Jurkovich, Fresno, (1) $2.00; (2) $.065; Total, $12,880.

Tiffany Constr. Co., San Jose, (1) $1.50; (2) $.10; Total, $15,400.

AWARD RECOMMENDED

MOHAVE COUNTY, Ariz. — Award of a contract to All-Arizona Engineering and Construction Co., Clifton, Arizona, at $51,175.30 for grading 3.53 miles of Section C of Federal Land Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave Co., Arizona, has been recommended by District Engineer C. H. Swectser, U. S. Bureau of Public Roads, San Francisco.

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until July 31, 11 A. M., bids will be received by the Humboldt County Board of Supervisors, Fred M. Kay, Clerk, Court House, Eureka, for surfacing portion of the Arcata-Samoa Road in Road District No. 5.

Specifications obtainable from County Surveyor Frank Kelly.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

KERN COUNTY — GRADING AND PAVING — (STATE)

KERN COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $320,753.50 submitted low bid to the State Highway Commission, Sacramento, for grading and paving with Portland cement concrete about 5.2 miles in Kern County between Fort Tejon and one mile north of Grapevine Station.

The work involves:

(1) cleaning and grubbing;
(2) 347,000 cu. yds. rdwy. excav., unclassified;
(3) 4,900,000 sta. yds. overhaul;
(4) 7000 cu. yds. imported borrow;
(5) 4,950 cu. yds. struc. excav.;
(6) 50,500 sq. yds. subgrade for pave.;
(7) 10,100 cu. yds. Class A Portland cement concrete pavement;
(8) 130 cu. yds. structures;
(9) 313,700 lbs. bar reinforcing steel pavement and structures;
(10) 13 each spillway assemblies;
(11) 566 lin. ft. 8-in. CMP;
(12) 306 lin. ft. 18-in. CMP;
(13) 1300 lin. ft. 24-in. CMP;
(14) 378 lin. ft. 30-in. CMP;
(15) 132 lin. ft. 36-in. CMP;
(16) 178 lin. ft. 48-in. CMP;
(17) 100 lin. ft. 96-in. CMP;
(18) 1 cast steel frame and cover for drop inlet;
(19) 6200 lin. ft. laminated timber guard rail;
(20) 1600 lin. ft. special solid timber guard rail;
(21) 7100 lin. ft. removing guard rail;
(22) 2000 lin. ft. resetting exist. guard rail;
(23) 70 each timber guide posts;
(24) 19 each culvert markers;
(25) 3.1 miles new property fences;
(26) 10 each fence gates complete, in place;
(27) 0.5 mile remove and dispose of existing property fence;
(28) 2800 cu. yds. special riprap;
(29) 6775 tons crushed gravel or stone oil treated detours and road connections;
(30) 2150 bbls. heavy fuel oil;
(31) 47,000 sq. yds. mixing and shaping oil treated surfacing;
(32) 2925 cubic yards salvaging detour surfacing;
(33) 1500 cubic yards placing salvaged surfacing;
(34) 900 cu. yds. removing and disposing of concrete in existing pavement and structures;
(35) 14,500 M. gallons water;
(36) 95 stations finishing roadway;
(37) 30 each monuments complete, in place;
(38) remove and dispose of existing timber bridge;
(39) 615 cu. yds. Class A Portland cement concrete bridge;
(40) 211,000 lbs. structural steel;
(41) 6150 lbs. cast steel;
(42) 458 lin. ft. timber hand rail;
(43) 1 lot misc. items of work, bridge details.

Complete bids follow:

(A) Griffith Co., Los Angeles, $320,-753.50.
(B) Jahn & Bressi, Los Angeles, $331,-414.60.
(C) J. L. McClain, Los Angeles, $333,-370.10.
(D) Southern California Roads Co., Los Angeles, $342,902.50.
(E) Union Paving Co., San Francisco $352,488.75.
(F) United Concrete Pipe Corp., Los Angeles, $375,457.50.
(G) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $386,862.35.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$7,500.00	$10,650.00	$6,000.00	$2,500.00	$2,500.00	$2,000.00	$2,500.00
(2)	.30	.30	.37	.28	.33	.35	.38
(3)	.003	.0025	.0025	.005	.003	.003	.005
(4)	.35	.30	.40	.50	.35	.50	.43
(5)	.85	1.00	1.00	.90	1.00	1.00	1.30
(6)	.08	.09	.09	.10	.08	.12	.07
(7)	8.00	8.50	7.75	7.65	8.40	9.70	8.25
(8)	20.00	18.00	18.00	22.00	20.00	16.00	18.00
(3)	.05	.055	.052	.06	.035	.05	.05
(10)	20.00	15.00	10.00	20.00	15.00	30.00	17.00
(11)	1.00	.85	.80	1.50	1.00	1.00	.90
(12)	1.75	2.00	1.40	2.00	1.50	2.00	1.55
(13)	2.50	2.25	2.25	3.00	3.00	2.50	2.50
(14)	3.00	2.75	3.00	3.50	3.50	3.60	3.10
(15)	4.50	4.50	4.50	5.00	6.00	5.00	5.00
(16)	7.50	9.00	7.50	10.00	10.00	7.00	8.00
(17)	22.00	25.00	20.00	25.00	30.00	25.00	11.50
(18)	30.00	25.00	32.00	30.00	30.00	50.00	24.00
(19)	.90	1.00	.75	1.00	1.00	.70	1.00
(20)	1.80	1.20	1.50	2.00	1.00	.60	1.00
(21)	.40	.10	.10	.50	.20	.30	.25
(22)	.70	.60	.50	.75	.40	.40	.60
(23)	1.30	3.00	2.50	2.00	2.00	2.00	2.00
(24)	1.30	2.50	2.00	2.00	2.00	2.00	1.65
(25)	500.00	450.00	450.00	500.00	400.00	500.00	400.00
(26)	20.00	25.00	16.00	20.00	15.00	20.00	16.00
(27)	200.00	100.00	100.00	100.00	100.00	100.00	150.00
(28)	2.70	3.50	2.00	4.00	3.50	3.50	3.50
(29)	1.80	1.50	2.00	1.50	2.75	2.50	1.30
(30)	1.60	1.30	1.40	2.00	2.00	2.50	2.00
(31)	.03	.05	.06	.03	.04	.05	.06
(32)	.60	.60	.50	1.00	.50	1.50	.60
(33)	1.10	1.00	.50	2.00	.50	1.00	.70
(34)	1.00	2.00	1.00	1.50	2.00	1.50	.90
(35)	.40	.75	.40	1.00	1.50	1.00	2.25
(36)	5.00	10.00	5.00	5.00	5.00	7.00	5.00
(37)	3.00	4.00	2.50	3.00	2.50	2.00	3.00
(38)	100.00	50.00	100.00	200.00	300.00	200.00	600.00
(39)	19.00	17.00	17.00	20.00	20.00	20.00	22.00
(40)	.055	.0535	.055	.07	.06	.07	.06
(41)	.14	.14	.12	.15	.12	.15	.20
(42)	.60	1.00	1.00	.75	.25	1.50	3.00
(43)	300.00	200.00	100.00	500.00	200.00	500.00	500.00

BIDS OPENED

SAN BERNARDINO COUNTY, Cal.—Miracle Co., 4751 Monroe Ave., San Diego, at $36,127.34 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, July 19, for constructing 1,513 l.f. of reinforced concrete box storm drain in Redlands, San Bernardino County, between 4th and State Streets.

The work involves:

(1) 10,350 c.y. structure excavation;
(2) 1,697 c.y. Class A Portland cem. conc. struc.;
(3) 278,900 lbs. bar reinf. steel struc.;
(4) 500 c.y. concrete to be removed from existing pavement & struc.

Complete bids follow:

(A) Miracle Co., San Diego, $36,127.34.
(B) Matich Bros., Elsinore, $37,079.40.
(C) C. F. Robbins and J. P. Immel, Ventura, $37,717.20.
(D) John Oberg, Los Angeles, $38,-456.65.
(E) Kovacevich & Price, Inc., South Gate, $38,987.45.
(F) George Hess, Los Angeles, $39,-272.65.
(G) United Concrete Pipe Corp., Los Angeles, $39,442.40.
(H) George Mittry, Los Angeles, $39,-485.40.
(I) Oscar Oberg, Los Angeles, $39,-819.20.
(J) Bannister-Feld Co. and Fred E. Potts, Los Angeles, $40,389.50.
(K) Sharp & Fellows Contr. Co., Los Angeles, $40,96150
(L) Wm C. Horn & Co. and John Strona, Pomona, $40,963.50.
(M) Franklin B. Gridley, Pasadena, $41,720.00.
(N) George Herz & Co. San Bernardino, $43,147.40.
(O) Jos. R. Lippincott, Los Angeles, $46,342.70.
(P) B. G. Carroll, San Diego, $46,-712.10.
(Q) Bodenhamer Const. Co., Oakland, $47,658.50.
(R) Kemper Const. Co., Los Angeles, $48,546.25.
(S) Dimmitt & Taylor, Los Angeles, $49,665.75.
(T) Herbert M. Baruch Corp., L. A., $51,095.60.

Unit prices follow:

	(1)	(2)	(3)	(4)
(A)	$ .5064	$11.80	$.035	$2.20
(B)	.56	11.60	.038	2.00
(C)	.75	10.80	.039	1.50
(D)	.70	11.45	.04	1.25
(E)	.70	12.10	.0375	1.50
(F)	.69	12.35	.038	1.15
(G)	.80	11.20	.04	2.00
(H)	.635	13.25	.036	.775
(I)	.60	13.00	.038	1.90
(J)	.77	12.00	.04	1.80
(K)	.75	12.40	.04	2.00
(L)	.88	12.20	.039	.55
(M)	.58	13.00	.04	5.00
(N)	.54	14.40	.044	1.70
(O)	1.10	13.50	.038	2.90
(P)	1.10	14.80	.035	.90
(Q)	1.00	14.00	.045	2.00
(R)	.78	16.35	.042	1.82
(S)	1.25	14.80	.0385	1.75
(T)	1.75	12.80	.035	3.00

Attorney-at-Law—Notary Public
CHALMER MUNDAY
BANKRUPTCY-MECHANICS LIENS
BUILDERS' CONTRACTS
405 Montgomery St., San Francisco
Suite 524-529 - Phone DOuglas 4070

21— BRIDGES

FUNDS AVAILABLE

OREGON STATE — The Public Works Administration has advanced $1,000,000 of the $5,602,000 federal loan and grant available, to permit construction to start immediately on the five Oregon Coast Highway Bridges for which contracts have been let as follows:

ALSEA BAY BRIDGE: Awarded to Lindstrom & Feigenson, 7923 N. E. Halsey, Portland, and Parker & Banfield, and T. H. Banfield, 984 E. 17th St., Portland, at $685,040. The bridge is located at Waldport, Lincoln County, Oregon. Complete bids published April 6. (This project is already under construction).

COOS BAY BRIDGE: Units A. C. and D, awarded to Northwest Roads Co., Park Rose, Portland, at $1,529,-438. Unit B awarded to Virginia Bridge & Iron Co., Roanoke, Va., at $593,880. The bridge is near North Bend, Coos County.

Complete bids published May 2.

YAQUINA BAY BRIDGE: General Constr. Co., 3840 Iowa St., Seattle, and Gilpin Constr. Co., Henry Bldg., Portland, awarded contract at $1,357,-587.50. The bridge will cross the southerly end of Yaquina Bay near Newport, Lincoln County.

Complete bids published May 21.

SIUSLAW RIVER BRIDGE: Awarded to Mercer-Fraser Co., Second and Commercial Sts., Eureka, Calif., at $491,646. The bridge will cross the Siuslaw River at Florence, Lane County.

Complete bids published June 12.

UMPQUA RIVER BRIDGE: Teufel & Carlson, Skinner Bldg., Seattle, successful bidder at $551,234. The bridge is to cross the Umpqua River at Reedsport, Douglas County.

Complete bids published June 12.

21

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

GRANT COUNTY, Oregon — 8.13 Mi. Surfacing — (Govt.)

GRANT COUNTY, Oregon—Max J. Kuney, Hutton Bldg., Spokane, at $50,383, as previously reported, submitted low bid to the Bureau of Public Roads, Portland, July 18, for surfacing approximately 8.13 miles of the Pendleton-John Day Surfacing Project NR-33-E1, F1, National Forest Road Project, Umatilla National Forest, Grant County. The work involves:

(1) 2000 cu. yds. unclass excav.;
(2) 4000 sq. yds. overhaul;
(3) 8000 tons subgrade reinforcement
(4) 8.13 mi. grading;
(5) 17,000 tons crushed rock, bottom course;
(6) 17,500 tons crushed rock, top course;
(7) 800 tons supplemental crushed rock;
(8) 5000 cu. yds. mi. binder haul;
(9) Water plant;
(10) 1000 M. gals watering;
(11) Roller;
(12) Operation of roller for 60 days;
(13) Detours;
(14) 2000 cu. yds. binder.

Total bids follow:

(A) Max J. Kuney, Spokane, $50,383.
(B) March Constr. Co., Spokane, $54,-189.
(C) Schmeer, Williams & Gentemann, Portland, $56,289.
(D) D. A. Sullivan & Co. and Materne Bros., Spokane, $59,023.
(E) Morrison-Knudsen Co., Boise, $59,839.
(F) Newport Constr. Co., Portland, $62,900.
(G) Chas. H. Hoyt, Silverton, Wash., $63,873.
(H) Dunn & Baker, Klamath Falls, $65,042.
(I) Joplin & Eldon, Portland, $67,251.
(J) Northwest Roads Co., Portland, $73,066.
(K) United Contracting Co., Portland $73,391.
(L) A. C. Greenwood & Co., Portland $73,466.
(M) E. Hefty, Portland, $80,915.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .20	$ .20	$ .20	$ .25	$ .16	$ .40
(2)	.01	.01	.02	.05	.02	.02
(3)	1.00	1.10	1.08	1.10	1.22	1.29
(4)	100.00	150.00	100.00	100.00	100.00	100.00
(5)	1.00	1.10	1.18	1.20	1.22	1.29
(6)	1.10	1.10	1.18	1.20	1.22	1.29
(7)	1.10	1.10	1.12	1.20	1.22	1.29
(8)	.15	.15	.12	.15	.20	.12
(9)	50.00	200.00	100.00	200.00	200.00	100.00
(10)	1.50	2.00	1.50	2.50	1.50	1.50
(11)	100.00	150.00	750.00	200.00	100.00	750.00
(12)	15.00	15.00	15.00	20.00	20.00	20.00
(13)	300.00	300.00	300.00	300.00	300.00	300.00
(14)	.20	.30	.30	.60	.75	.45

	(G)	(H)	(I)	(J)	(K)	(L)	(M)
(1)	$ .40	$ .50	$ .30	$ .30	$ .40	$ .30	$ .50
(2)	.02	.04	.04	.05	.02	.10	.05
(3)	1.29	1.20	1.35	1.48	1.41	1.52	1.62
(4)	200.00	250.00	200.00	250.00	200.00	200.00	300.00
(5)	1.29	1.30	1.37	1.48	1.51	1.54	1.62
(6)	1.29	1.30	1.37	1.48	1.56	1.54	1.62
(7)	1.24	1.20	1.25	1.48	1.35	1.50	1.62
(8)	.18	.20	.18	.20	.18	.10	.20
(9)	50.00	300.00	300.00	300.00	250.00	200.00	150.00
(10)	2.00	2.00	2.00	2.00	1.75	1.00	2.00
(11)	500.00	1000.00	800.00	250.00	475.00	750.00	1500.00
(12)	15.00	14.00	15.00	25.00	18.00	10.00	18.00
(13)	300.00	300.00	300.00	300.00	300.00	300.00	300.00
(14)	.45	.50	.40	.40	.40	.50	.55

All bids held under advisement.

PERSHING CO., Nev.—4.7 Mi. Reconstruction—(State)

PERSHING County. — Union Paving Co., 624 Call Bldg., San Francisco, at $66,648.60 submitted low bid to the Nevada State Highway Directors, Heroes Memorial Bldg., Carson City, July 6, as previously reported, and awarded contract July 11, for 4.77 miles of highway reconstruction in Pershing County between Lovelock and 5 miles east, Route 1, Section C1.

Complete bids follow:

(A) Union Paving So., S. F., $66,648.60.
(B) N. M. Ball, Berkeley, $69,394.75.
(C) Nevada Rock & Sand Co., Reno, $71,055.03.
(D) Dodge Constr., Inc., Fallon, $71,328.71.
(E) George French, Jr., Stockton, $73,624.27
(F) Gibbons & Reed, Salt Lake, $77,385.24.
(G) Engineer's Estimate, $71,858.62.

Bids are as follows:

(1) 5,700 c.y. roadway excavation;
(2) 670 c.y. structure excavation;
(3) 46,300 c.y. select borrow;
(4) 4.74 miles salvage and relay fence
(5) 4.74 miles subgrade;
(6) 15,000 c.y. crushed gravel or stone surfacing;
(7) 10 each remove culvert headwalls
(8) 11 each move pipe culvert do;
(9) 50 c.y. remove concrete;
(10) 269 c.y. Class A concrete;
(11) 18 c.y. Class B do;
(12) 23 c.y. Class D do;
(13) 31,500 lbs. reinforcing steel;
(14) 10,800 lbs. structural steel;
(15) 78 lin. ft. 12-in. CMP;
(16) 144 lin. ft. 15-in. CMP;
(17) 180 lin. ft. 18-in CMP;
(18) 46 lin ft. 24-in. CMP;
(19) 108 lin. ft. 3x2-ft. laminated culverts;
(20) 240 lin. ft. 18-in. vitrified pipe;
(21) 129 lin. ft. 24-in. do;
(22) 210 lin. ft. 36-in. do;
(23) 480 lin. ft. remove culvert pipe;
(24) 336 lin. ft. relay culvert pipe;
(25) 21,992 lin. ft. remove fence;
(26) 120 lin. ft. reconstruct fence;
(27) 21,872 lin. ft. construct fence;
(28) 13.6 MFBM redwood;
(29) 300 lin. ft. treated timber piles;
(30) 9 each drive treated piles;
(31) 500 pounds castings;
(32) 26 each monuments;
(33) 104,353 gals. asph. road material, Type SC-2;
(34) 7,653 gals. do. Type MC-2;
(35) 4.74 miles roadmix;
(36) lump sum, move telephone and power lines;
(37) force account, misc. items;
(38) 4.77 miles finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .40	$ .35	$ .50	$ .30	$ .40	$ .40	$ .30
(2)	1.50	1.00	1.00	1.00	1.00	1.25	1.00
(3)	.37	.40	.40	.40	.45	.49	.40
(4)	600.00	800.00	600.00	880.00	500.00	900.00	400.00
(5)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(6)	.80	.60	.65	.70	.70	.74	.80
(7)	2.00	1.75	1.00	1.00	1.50	1.50	1.50
(8)	10.00	20.00	5.00	5.00	5.00	7.50	5.00
(9)	10.00	10.00	10.00	10.00	10.00	15.00	10.00
(10)	3.00	5.00	5.00	5.00	5.00	5.00	5.00
(11)	25.00	25.00	25.00	25.00	28.00	22.50	25.00
(12)	20.00	25.00	25.00	25.00	28.00	22.50	26.00
(13)	30.00	28.00	40.00	25.00	30.00	32.50	28.00
(14)	.05.	.07	.07	.06	.07	.06	.07
(15)	.06	.08	.08	.07	.10	.10	.07
(16)	1.50	1.65	1.75	1.50	1.50	1.50	1.50
(17)	2.00	2.00	2.00	2.00	2.00	1.75	2.00
(18)	3.00	2.25	2.25	3.00	2.50	2.50	2.25
(19)	4.00	3.00	2.75	4.00	3.00	3.00	3.00
(20)	3.50	5.50	7.50	7.50	7.00	6.00	6.50
(21)	1.50	2.00	2.00	3.00	3.00	3.00	3.25
(22)	3.00	3.00	3.00	4.00	4.00	4.00	4.00
(23)	7.00	7.00	7.00	9.00	7.75	10.00	6.50
(24)	.50	.50	.50	.50	.50	.50	.75
(25)	.50	.50	1.00	.50	1.00	.50	.50
(26)	.01	.03	.04	.03	.02	.02	.02
(27)	.10	.11	.05	.10	.07	.10	.08
(28)	.10	.11	.20	.15	.15	.13	.12
(29)	110.00	100.00	110.00	125.00	130.00	100.00	125.00
(30)	.75	.80	1.50	1.00	1.50	.75	.90
(31)	25.00	40.00	40.00	30.00	100.00	30.00	30.00
(32)	.10	.25	.10	.20	.10	.15	.20
(33)	2.00	3.00	3.00	3.00	3.00	3.00	3.00
(34)	.06	.0725	.06	.06	.056	.07	.07
(35)	.10	.11	.09	.09	.088	.11	.11
(36)	400.00	500.00	600.00	600.00	400.00	700.00	600.00
(37)	500.00	900.00	700.00	1070.00	1000.00	700.00	1800.00
(38)	100.00	100.00	100.00	150.00	200.00	150.00	150.00

NOTE: Items 26 to 38 omitted by error from previous publication.

COCONINO COUNTY, ARIZONA—GRADING—(GOVT.)

COCONINO COUNTY, Ariz.—Hodgman & MarVicar, 714 Plymouth Road, Pasadena, at $104,067 as previously reported, submitted low bid and recommended for award of contract by the U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for grading 8.017 miles of Section A, Route 3, the Flagstaff-Clints Well National Forest Highway, Coconino National Forest, Coconino County, Arizona.

Total bids follow:

(A) Hodgman & MacVicar, Pasadena, $104,067.12.

(B) Pearson & Dickerson, Contractors, Inc., Prescott, $109,892.65.

(C) Vinson & Pringle, Phoenix, $112,-976.35.

(D) All-Arizona Engr. & Const. Co. and Olds Bros. Lumber Co., Clifton, $120,940.03.

(E) Skousen Brothers, Rodeo, N. M., $121,504.05.

(F) M. O. Packard, Jr., Phoenix, $122-766.47.

(G) H. J. Hagen, Globe, Ariz., $133,-$543.40.

(H) Geo. W. Orr, El Paso, Tex., $165-038.40.

(I) Engineer's estimate, $109,378.15.

The work involves:

(1) 38 acres clearing;
(2) 38,000 c.y. unclass. excav.;
(3) 31,700c.y. do for borrow;
(4) 1,375 c.y. unclass. excavation for structures;
(5) 38,000 sta. yds. overhaul;
(6) 23,600 c.y. mi. borrow haul;
(7) 21,500 c.y. selected material for backfill;
(8) 892 l.f. 18-in. CMP in place;
(9) 448 l.f. 24-in. CMP in place;
(10) 112 l.f. 30-in. CMP in place;
(11) 76 l.f. 36-in. CMP in place;
(12) 208 lf. remove and stockpile existing CMP;
(13) 976 c.y. cement rubble masonry;
(14) 22 c.y. Class A concrete;
(15) 137 c.y. Class D concrete;
(16) 28,900 lbs. reinforcing steel;
(17) 84,000 lbs. structural steel;
(18) 1.3 MBM untreated timber;
(19) lump sum, remove existing bridge
(20) 18,350 l.f. type 1 protection ditch;
(21) 2,130 l.f. type 2 protection ditch;
(22) 3 cattle guards in place;
(23) 2,149 l.f. remove and reset fence;
(24) 4 each right of way monuments.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$200.00	$375.00	$300.00	$370.00	$300.00	$300.00	$250.00	$500.00	$200.00
(2)	.555	.75	.85	.85	.83	.90	1.05	1.25	.65
(3)	24	.34	.40	.40	.38	.27	.50	.65	.35
(4)	2.00	1.70	1.50	1.50	1.75	2.25	2.00	2.00	1.75
(5)	.026	.04	.04	.04	.05	.03	.03	.04	03
(6)	.45	.26	.15	.15	.24	.25	.15	.25	.25
(7)	.60	.74	.77	.77	.80	.85	1.00	1.00	1.00
(8)	2.50	2.10	2.15	2.15	2.50	2.05	2.00	2.00	225
(9)	3.50	3.00	3.10	3.10	3.50	3.10	3.00	3.00	3.00
(10)	4.00	3.75	4.20	4.20	5.00	3.75	4.00	4.00	4.00
(11)	6.00	5.75	6.00	6.00	7.00	5.90	5.00	6.50	5.50
(12)	1.00	.95	1.00	1.00	1.50	1.00	.50	1.00	1.00
(13)	19.00	16.75	17.00	17.00	16.00	18.00	17.50	23.00	15.00
(14)	28.00	25.50	30.00	30.00	35.00	33.00	30.00	35.00	30.00
(15)	29.00	26.75	30.00	30.00	36.00	35.00	32.00	35.00	30.00
(16)	.055	.058	.06	.06	.07	.07	.06	.08	.065
(17)	.0725	.07	.085	.085	.065	.065	.08	.08	.06
(18)	100.00	120.00	100.00	100.00	100.00	125.00	100.00	100.00	100.00
(19)	33.00	50.00	50.00	50.00	25.00	50.00	25.00	50.00	100.00
(20)	.065	.07	.05	.05	.13	.10	.10	.10	.10
(21)	.16	.27	.22	.22	.20	.15	.25	.25	15
(22)	675.00	560.00	600.00	600.00	700.00	900.00	650.00	700.00	550.00
(23)	.10	.10	.07	.07	.10	.08	.10	.10	.10
(24)	4.00	5.00	5.00	5.00	10.00	8.00	5.00	15.00	4.00

BIDS WANTED

PACIFIC AND WHITMAN COS., Wash.—Until August 7, 10 A. M., bids will be received by the Washington State Highway Directors, L. V. Murrow, Director of Highways, Olympia, for highway construction as follows:

Pacific County

Constructing pile and timber bulkheads, riprapping and surfacing with crushed stone about 1.8 miles of State Road No. 12, Fort Columbia to Point Ellice Bank Protection, F. P. W. Project 7754, in Pacific County, involving:

(1) 9,520 c.y. excavation;
(2) 2,350 c.y. heavy loose riprap;
(3) 540 c.y. crushed stone surf. material;
(4) 324 MBM timber and plank (untreated);
(5) 71,355 l.f. cedar piling;
(6) miscellaneous items.

Whitman County

Paving with Portland cement concrete about 0.2 mile on Idaho Street on the State College of Washington campus at Pullman, Whitman County, F.P.W. Project 1358.

Plans and specifications obtainable from above office upon deposit of $2 per set.

BIDS OPENED

GRANT COUNTY, Ore.—Max J. Kuney, Hutton Bldg., Spokane, at $50,383 submitted low bid to the U. S. Bureau of Public Roads, Portland, July 18, for surfacing approximately 8.13 miles of the Pendleton - John Day surfacing project NR-33-E1, F1, National Forest Road Project, Umatilla National Forest, Grant County.

Complete bids follow:

Max J. Kuney, Spokane	$50,383
March Const. Co., Spokane	54,189
Schmeer, Williams, Gentlemann Portland	56,289
D. A. Sullivan & Co. and Materne Bros., Spokane	59,023
Morrison-Kundsen, Spokane	59,839
Newport Const. Co., Portland	62,900
Chas. H. Hoyt, Albany	63,873
Joplin & Eldon, Portland	67,251
Dunn & Baker, Klamath Falls	65,042
United Contr. Co., Portland	73,391
A. C. Greenwood & Co., Inc.	73,466
E. Hefty, Portland	80,915
Northwest Roads Co., Portland	73,066

All bids held under advisement.

BIDS OPENED

SAN GABRIEL, Cal.—Osborn Company, 1570 San Pasqual Ave., Pasadena, at $13,333 submitted low bid to the San Gabriel City Council for the improvement of San Gabriel Blvd. from Wells St. to Valley Blvd., with dialethic asphalt concrete pavement and oiled surface on embankment.

The other bids were:

O'Neal & Son, $13,781; W. E. Hall Co., $13,781; Koopman & Wright, $14,-428.15; Oswald Bros., $14,848.25, and Griffith Co., $15,880.75

All bids held under advisement.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until August 6, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Court House, Sacramento, for the construction of a 2-in. asphalt macadam shoulder 2½-ft. wide, on the Old Marysville Road.

Specifications obtainable from County Engineer John J. Rooney upon deposit of $10.00.

CONTEMPLATED

NAPA, Cal.—The Napa City Council has approved plans and specifications for concrete curbs and an asphaltic concrete pavement on Adams St. bet. Pine and Laurel Streets, estimated to cost $2609.33.

H. A. Harrold, City Engineer.

MOHAVE COUNTY, ARIZONA — GRADING— (Govt.)

MOHAVE COUNTY, Ariz.—All-Arizona Engineering & Construction Co., Clifton, Arizona, at $51,175.30 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading 3.537 miles of Section C of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave County, Arizona.

The work involves:
(1) 38,150 c.y. unclass. excavation;
(2) 920 c.y. do for structures;
(3) 13.400 sta. yds. overhaul;
(4) 3.52 miles finishing earth graded road;
(5) 278 l.f. 24-in. CMP, in place;
(6) 434 l.f. 36-in. do;
(7) 104 l.f. 42-in. do;
(8) 190 l.f. 48-in. do;
(9) 785 c.y. Class A concrete;
(10) 69,700 lbs. reinforcing steel;
(11) 1,060 l.f. wire cable guard rail.

Total bids follow:
(A) All-Arizona Engr. & Const. Co., Clifton, $51,175.30.
(B) Pearson & Dickerson, Contractors Inc., Prescott, $51,409.28.
(C) M. J. Bevanda, Stockton, Calif., $64,434.00.
(D) Ralph A. Bell, Los Angeles, $65,080.00.
(E) Del E. Webb, Phoenix, $67,722.50.
(F) Engineer's estimate, $60,294.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .50	$ .40*	$ .70	$ .66	$ .75	$ .70
(2)	2.00	2.19	2.75	2.00	2.50	1.50
(3)	.04	.03	.03	.03	.10	.03
(4)	200.00	438.75	475.00	500.00	300.00	300.00
(5)	3.20	3.38	3.50	3.00	3.00	3.00
(6)	6.00	6.38	4.50	5.00	6.00	5.50
(7)	7.80	7.93	6.50	7.00	6.75	6.50
(8)	9.30	9.17	9.00	9.50	7.80	8.00
(9)	23.00	26.33	28.00	32.00	30.00	26.00
(10)	.055	.0585	.07	.06	.06	.06
(11)	1.00	1.10	.90	1.00	1.00	.70

*The bid of Pearson & Dickerson on Item 1 was changed by telegraphic notification to read 40c per c.y. instead of 35c per c.y. All bids held under advisement.

GLENDALE—VERDUGO WASH CONDUIT—(COUNTY)

GLENDALE, Los Angeles Co., Cal Parish Bros., 1222 N. Gower Street, Hollywood, at $9,781.50 (Proposal I) and $9,619.50 (Proposal II) submitted low bids to the Los Angeles County Board of Supervisors for the construction of a conduit on Verdugo Wash between Pacific Ave. and Kenilworth Avenue.

The work involves:
(1) 5 500 c.y. excavation;
(2) 2.700 c.y. backfill;
(3) 1,350 c.y. reinforced concrete;
(4) 1.775 l.f. fencing;
(5) 100 l.f. drilling dowel holes;
(6) 50 l.f. placing tile;
(7) 100 lbs. miscellaneous metal.

Bids were taken as follows:

Proposal I—Furnishing cement and admixture by the district, fob railroad at the Pacific Electric siding at Brand Blvd. and Mountain St., Glendale.

Proposal II—Furnishing cement and admixture by the district fob site of work.

Total bids follow:

(A) Parish Bros., Hollywood (Proposal I) $9,781.50; (Proposal II) $9,619.50.

(B) O'Neal & Son, Los Angeles. $10 698.10; $10,536.00.

(C) John T. Bibb, Glendale, $10,772.00; $10,623.50.

(D) Silveria & Robbins, Inc., Ventura, $11,042.50; $10,975.00.

(E) Brock & Clark, Ltd., Los Angeles, $11,574.85; $11,290.75.

(F) W. H. McCune, Monrovia, $12,886.50; $12,657.50.

(G) Engineer's estimate, $12,670.00; $12,535.00.

Unit bids follow:

	(A)		(B)		(C)		(D)		(E)		(F)		(G)	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II
(1)	$ .20	$.20	$.26	$.26	$.25	$.25	$.30	$.30	$.35	$.35	$.35	$.35	$.50	$.50
(2)	.10	.10	.125	.125	.13	.13	.15	.15	.135	.135	.15	.15	.25	.25
(3)	6.10	5.98	6.49	6.37	6.57	6.46	6.50	6.45	6.67	6.46	7.74	7.57	6.50	6.40
(4)	.06	.06	.06	.06	.06	.06	.10	.10	.11	.11	.10	.10	.20	.20
(5)	.50	.50	.50	.50	.50	.50	.25	.25	.70	.70	.60	.60	1.00	1.00
(6)	.20	.20	.15	.15	.20	.20	.10	.10	.20	.20	.50	.50	.20	.20
(7)	.10	.10	.05	.05	.10	.10	.05	.05	.05	.05	.10	.10	.05	.05

The four low bids were taken under advisement; all others rejected

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BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until August 6, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Court House, Sacramento, for the construction of a 2-in. asphalt macadam shoulder 2½-feet wide, on the Rio Linda Road.

Specifications obtainable from County Engineer John J. Rooney upon deposit of $10.00.

BIDS OPENED

SACRAMENTO, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento at $3,381.23 submitted low bid to the U. S. Engineer Office, Sacramento, for grading about 830 l.f. of subgrade and providing about 2,173 sq. yds. bituminous pavement to form a hard surfaced roadway over a hydraulic dredge fill in the spoil area in West Sacramento. The work involves:
(1) 200 c.y. grading;
(2) 2,173 sq. yds. bituminous pave.;
(3) 2,173 sq. yds. seal coat.

Complete and unit bids follow:

A. Teichert & Son, Inc., Sacramento, (1) $50; (2) $1.44; (3) $.07; (total) $3,381.23.

J. R. Reeves, Sacramento, (1) $65; (2) $1.49; (3) $.10; (total) $3,585.07.

Engineer's estimate, (1) $40; (2) $1.35; (3) $.07; (total) $3,166.00.

All bids held under advisement.

BIDS WANTED

MARIN COUNTY, Cal.—Until July 30, 11 A. M., bids will be received by the Marin County Board of Supervisors, V. M. Rice, County Clerk, Court House, San Rafael, for asphaltic oil treatment on following county roads: Inverness-Point Reyes Lighthouse Rd from 1.2 miles north of Inverness, 4.2 miles; and from the Berri ranch to the Mandoza ranch, a distance of 3.9 miles. The work requires 336 barrels of heavy fuel oil.

Specifications obtainable from County Surveyor Rodney Messner.

BIDS WANTED

SACRAMENTO, Cal.—Until July 30, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Order No. 6578/2209, for furnishing, delivering and spreading 125 cu. yds. of crushed rock on the Dozier spoil area on a road about 1100 feet long by 8 feet wide, near Rio Vista.

Specifications obtainable from above office.

CONTRACT AWARDED

MADERA COUNTY, Calif.—Granite Const. Co., Bin No. 9, Watsonville, at $8,940, awarded contract by State Highway Commission, Sacramento, for 16.4 miles of fuel oil treatment in Madera County between 2.9 miles east of Madera and the junction of State Highway Route 125 and the county road to Bates.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—L. F. Piazza, 296 N. Sixth St., San Jose, at $7,474 submitted low bid and was awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of approximately 1.5 miles of Dry Creek Road from San Jose-Los Gatos Rd. to Hicks Ave., Supervisor Districts Nos. 4 and 5.

A. J. Raisch Paving Co., San Jose, at $7,884 submitted the only other bid.

Engineer's estimate, $10,750.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—E. F. Hilliard, 1355 43rd St., Sacramento at $0.123 per sq. ft., total $5,965.50 submitted low bid and awarded contract by the Sacramento County Board of Supervisors for the construction of an asphalt macadam shoulder on Greenback Lane. The work requires 48,500 sq. ft. of 6-inch asphalt macadam.

Complete bids follow:

E. F. Hilliard, $0.123; $5,965.50.
A. Teichert & Son, $0.125; $6,062.60.
McGillivray Const Co., $0.128; $6,208.00.
J. R. Reeves, $0.134; $6,499.
All bidders of Sacramento.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until August 6, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, County Court House, San Jose, Henry A. Pfister, Clerk, for the improvement of Villa Vista Road. The work involves approximately 115,000 sq. ft. of road oil treatment. Plans and specifications obtainable from County Surveyor Robert E. Chandler, at a charge of $1.

BIDS WANTED

GLENDALE, Los Angeles Co., Cal.—Until August 7, 10 A. M., bids will be received by the Glendale city council for the improvement of Verdugo road from La Crescenta Av. to north city limits, involving grading, paving with asphaltic concrete, constructing curbs, sidewalks, concrete gutters and driveways, and reinforced concrete steps.

Specifications obtainable from J. C. Albers, city engineer.

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SAN FRANCISCO — SIXTH STREET SEWER — (CITY)

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., at $133,921 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the construction of sewers and appurtenances in Sixth Street, between Howard and Brannan Streets. The work involves:

(1) 597 lin. ft. 5-ft. 6-in. circular reinforced concrete sewer;
(2) 1213 lin. ft. 5-ft. 0-in. circular reinforced concrete sewer;
(3) 610 lin. ft. 3-ft. 6-in. x 5-ft. 3-in. reinforced concrete sewer;
(4) 692 lin. ft. 3-ft. 0-in. x 4-ft. 6-in. reinforced concrete sewer;
(5) 155 lin. ft. 12-in. vitrified clay pipe sewer;
(6) 1 junction structure of reinf. concrete in crossing of 6th and Folsom Streets;
(7) 1 junction structure of reinforced concrete in crossing of 6th and Harrison Sts.;
(8) 1 taper structure of reinf. conc.;
(9) 17 manholes on reinf. conc. sewer
(10) 12-inch by 8-inch wye or tee branches;
(11) 800 lin. ft. 6-in VCP underdrain, covered with concrete or embeded in broken rock;
(12) 1100 lin. ft. 8-in. VCP underdrain covered with concrete or embedded in broken rock;
(13) 1200 lin. ft. 10-in. VCP underdrain, do;
(14) 38,850 lin. ft. piles below cut-off;
(15) 100 lin. ft. 6-in. VCP side sewer;

Total bids follow:

(A) Eaton & Smith, $133,921.
(B) MacDonald & Kahn, $134,811.95.
(C) M. J. Lynch, $137,930.
(D) Healy-Tibbitts Constr. Co., $138,384.
(E) M. B. McGowan, Inc., $138,775.
(F) Barrett & Hilp, $140,759.
(G) A. J. Raisch Co., $147,993.10.
(H) Union Paving Co., $154,685.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 41.50	$ 35.00	$ 41.50	$ 44.00	$ 38.00	$ 40.00	$ 45.50	$ 45.00
(2)	40.00	32.65	41.00	42.00	38.00	40.00	37.20	43.00
(3)	30.00	32.00	31.50	32.00	34.00	40.00	40.00	40.00
(4)	26.00	30.00	29.50	27.00	31.00	29.00	36.50	38.00
(5)	6.00	10.50	12.50	10.00	15.00	16.00	3.00	10.00
(6)	600.00	800.00	600.00	500.00	1000.00	300.00	675.00	600.00
(7)	600.00	800.00	500.00	500.00	1000.00	300.00	730.00	600.00
(8)	400.00	600.00	450.00	400.00	854.00	200.00	690.00	600.00
(9)	80.00	80.00	50.00	80.00	65.00	40.00	90.00	100.00
(10)	3.00	4.00	3.00	3.00	4.00	5.00	6.00	1.50
(11)	.60	.90	.50	.60	.35	.80	.70	1.00
(12)	.75	1.00	.60	.80	.45	1.00	.75	1.50
(13)	1.00	1.15	.70	1.00	.55	1.20	.80	2.50
(14)	.45	.63	.45	.40	.50	.42	.50	.35
(15)	4.00	8.00	1.00	5.00	6.00	3.50	1.00	8.00

BERKELEY—TUNNEL ROAD IMPROVEMENT—(CITY)

BERKELEY, Alameda Co., Cal.—Albany Cement Contractors, 954 San Pablo Ave., Albany, at $23,977.50 submitted low bid to the Berkeley City Council for constructing a retaining wall and incidental work in the improvemet of Tunnel Road from Alvarado Road to the East City limits. The work involves:

(1) 3800 cu. yds. excavation;
(2) 50 cu. yds. excavation below subgrade;
(3) 1145 cu. yds. reinf. concrete;
(4) 1030 cwt. reinf. steel;
(5) 840 lin. ft. wire mesh guard fence
(6) 13,000 sq. ft. waterproofing;
(7) 2 catchbasins;
(8) 960 lin. ft. remove and relay electrolier conduit and cable;
(9) 100 lin. ft. new electrolier conduit;
(10) 100 lin. ft. new electrolier cable;
(11) 6 metal junction boxes;
(12) 4 reset junction boxes;
(13) 1 reset electrolier;
(14) 4 remove electroliers.

Complete bids follow:

(A) Albany Cement Contractors, $23,977.50.
(B) J. H. Fitzmaurice, Oakland, $24,279.49.
(C) Lee J. Immel, Berkeley, $24,360.50
(D) A. Soda & Son, Oakland, $24,526.20.
(E) Ransome Co., Emeryville, $25,130.29
(F) Leo Epp, San Francisco, $25,368.50
(G) W. E. Lyons, Alameda, $25,848.75
(H) Schnoor Bros., Oakland, $26,800.
(I) Frank Stead, Berkeley, $27,452.50.
(J) N. M. Ball, Berkeley, $27,695.
(K) W. A. Bechtel, San Francisco, $29,208.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ .90	$ .93	$ 1.20	$ 1.18	$ .58	$ 1.25	$ 1.10	$ .90	$ 1.10	$ 1.00	$ .65
(2)	2.00	1.12	1.00	1.00	1.00	1.60	2.90	4.00	2.00	1.50	2.00
(3)	13.70	13.32	12.50	12.00	15.30	12.50	13.75	15.64	14.30	15.00	17.50
(4)	3.40	3.78	3.50	4.40	3.52	4.00	4.00	3.45	5.00	.045*	4.00
(5)	.60	.74	.70	.805	.75	.795	.80	.72	.80	1.00	.80
(6)	.013	.019	.02	.021	.015	.03	.035	.015	.15	.02	.03
(7)	75.00	35.00	45.00	38.00	43.00	45.00	35.00	50.00	65.00	50.00	40.00
(8)	.25	.326	.60	.20	.59	.42	.25	.40	.20	.50	.90
(9)	.50	.65	.50	.61	.58	3.25	.60	.62	.70	.40	1.15
(10)	.25	.76	.40	.50	.34	1.15	.35	.34	.90	.40	60
(11)	15.00	17.00	19.00	18.00	16.00	5.00	15.00	15.50	20.00	18.50	10.00
(12)	4.00	5.20	16.00	18.00	4.86	5.00	5.00	4.75	15.00	18.50	15.00
(13)	5.00	6.75	15.00	100.00	15.75	25.00	6.00	6.00	40.00	25.00	20.00
(14)	5.00	3.37	9.00	24.00	7.90	10.00	3.00	3.00	20.00	10.00	40.00

*Bids per lb. All bids heud under advisement.

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Robert McKee Bid Low On Stockton Wharf

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

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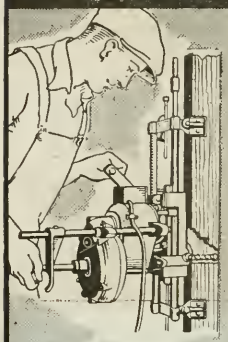
WAPPAT Electric TOOLS



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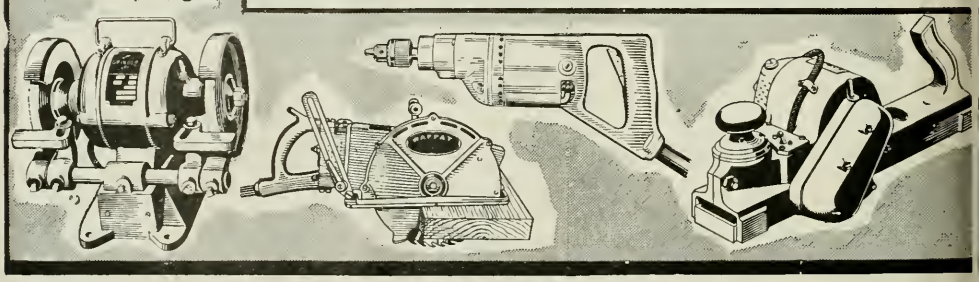

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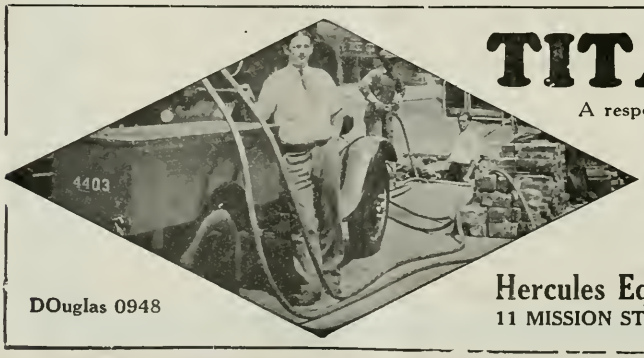

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ROBT. McKEE LOW BIDDER ON PORT JOB

Six Contractors Submit Figures on Stockton Wharf And Shed

STOCKTON, July 31.—Robert E. McKee, 108 W. Sixth Street, Los Angeles, today submitted the low bid to the Stockton Port Commission for construction of a wharf and transit shed at the port of Stockton. Award of a contract to McKee was recommended at a figure of $633,600 after the commission had opened bids from six contractors competing for the work. The work will proceed as soon as concurrence in the award has been received from the Federal Public Works Administration.

McKee's bid was $587,600 for the contract complete using untreated timber piling. The award was made however, on his alternate figure of $633,600 for construction with creosoted timber pile.

Total bids on the two alternates follow:

Robert E. McKee, Los Angeles, (A) $587,600; (B) $633,600.

Barrett & Hilp, San Francisco, (A) $621,974; (B) $673,474.

MacDonald & Kahn, and M. B. McGowan, San Francisco, (A) $652,-256; (B) $699,332.

Duncanson-Harrelson Co., San Francisco, (A) $666,979; (B) $727,395.

M. J. Bevanda & Clyde Wood, Stockton, (A) $669,500; (B) $724,500.

Bridge Builders, Inc., San Francisco, (A) $689,300; (B) $739,300.

The contract includes construction of a fire proof wharf 1740 feet in length and erection of a transit shed in four continuous units to contain 180,000 square feet of floor space.

STATE AWARDS THREE CONTRACTS

SACRAMENTO, Aug. 2.—The State Highway Commission today awarded a contract to A. J. Raisch, 251 Kearny street, San Francisco, for widening and paving Harrison St. between Fifth and Tenth Sts. Raisch's bid was $78,836. The commission also awarded contracts to the Griffith Co., Los Angeles, at $320,753 for grading and paving in Kern Co., and to Hemstreet & Bell, Marysville, at $2,942 for surfacing with bituminous gravel the approach to the D street bridge in Marysville.

Terrazzo Division Code Establishes 32 - Hour Week

The Construction Industry Division Code of the Terrazzo and Mosaic Contractors, approved by the NRA Administrators, is now effective.

The code applies to all contractors engaging to install terrazzo or mosiac surfaces.

Labor features of the divisional code limit employment to a maximum of eight hours in any one day, five days in any week and 136 hours in any calendar month. The provision is equivalent to an average week of thirty-two hours. The division is the first to reduce working hours from the 40-hour workweek established by the Construction Industry basic code.

According to the statistical analysis of the Division of Research and Planning for the NRA the contract volume in the terrazzo and mosaic industry decreased from $16,000,000 in 1930 to $5,000,000 in 1933. Employment dropped from 8,000 in 1930 to 2,000 in 1933.

ADJUSTMENT OF LUMBER PRICES DUE THIS WEEK

Reduction to be Announced Locally in Cooperation With Work Drive

Adjustment of lumber prices in line with the new schedules authorized by the Lumber Code Authority will be announced within the week by San Francisco dealers, it was stated yesterday. Revised figures for millwork probably will be issued concurrently.

The lumber producers are cooperating with the National Housing Administration to make materials ordinarily used in residential building available at lower prices in the campaign to stimulate repair and remodeling.

The only change reported in local material prices during the past week was a five-cent reduction in linseed oil and turpentine.

The building material price average nationally advanced six-tenths of one percent during the week ending July 21, according to the review made by the Bureau of Labor Statistics.

Higher prices for certain lumber items, paint materials, gravel and sand were responsible for the increase. The general average for lumber prices was 2 percent above the previous week. The present index of the building materials group, 87.4 compares with 79.1 for the corresponding week of 1933 and 69.5 two years ago.

Following is a comparison of indexes for various classes of materials as compiled by the Bureau (1926 as base year):

	June 1934	June 1933
Building materials	87.8	74.7
Brick and tile	91.1	77.0
Cement	93.9	81.8
Lumber	86.3	67.4
Paint and paint mtls.	80.3	71.9
Plumbing and heating	75.1	67.4
Structural steel	94.5	81.7
Other building materials	92.0	80.6

The index for the group as a whole is 17½ percent above a year ago and 24 percent higher than two years ago. Present prices are only 7½ percent lower than the general average for June, 1929.

WILDER ADVANCED TO STATE CHIEF PWA ENGINEER

Clifton Hickok Becomes Northern District Head in Federal Administration

Promotion of A. D. Wilder to the post of State Engineer in California for the Federal Public Works Administration and advancement of his assistant, Clifton E. Hickok, to northern district engineer was announced yesterday by Administrator Harold L. Ickes.

Mr. Wilder succeeds Frank E Trask of Los Angeles as state engineer. Mr. Trask, it is understood, may be appointed to the national advisory board of the PWA.

The change also will in effect made the San Francisco district office independent of Los Angeles, it was said unofficially. Although Mr. Wilder will have the title of state engineer and his headquarters will be in Los Angeles, all PWA applications originating in Northern California and clearing through the San Francisco office will be forwarded direct to Washington by Mr. Hickok.

Mr. Hickok has been assistant in the San Francisco office as engineer examiner since the office was organized a year ago. In his new position he will have charge of all territory in Northern and Central California including Fresno county and the area north to the Oregon line. The state south of Fresno county will be under supervision of the Los Angeles office. At present there are eighty-five PWA projects in the Northern California territory, involving an expenditure of between $25,000,000 and $30,000,000.

Mr. Hickok is a graduate in civil engineering from the University of California with the class of 1908. He served in the World War and is a major in the U. S. Engineers Corps Reserve. He is a member of the American Society of Civil Engineers. He was for ten years city manager of Alameda.

STEEL BOOKINGS AT NEW HIGH IN APRIL

June bookings of structural steel for fabrication exceeded the high record of April and established a new high point for the industry since the trough of the depression last year, reports the American Institute of Steel Construction. Shipments held to the same high record level established in May.

Contracts to be Advertised Shortly In City's $3,000,000 School Program

San Francisco's $3,000,000 school building program will reach the contract stage as rapidly as plans can be completed by a score of architects and engineers now at work under the supervision of the Department of Public Works. The first major unit to be placed on the market for bids will be the George Washington High School academic building, according to the present schedule. Plans have been completed, approved by the Board of Education and the Board of Public Works and with acceptance by the State Division of Architecture will be ready for contract.

The George Washington school will be the largest project authorized under the present building program. The initial unit is to cost approximately $760,000, with additional buildings to be erected under another contract, bringing the total to $1,200,000.

Other work, which is due to start in the immediate future includes structural alterations at the Agassiz School. A new building to cost about $200,000 will be planned for Agassiz at a later date, also to be financed by bond money. Architects for this building have not yet been selected, however. Contracts are to be let for installing new fire escapes at Irving Scott school and Starr King school, plans being completed.

The school building program is one of the public works projects financed in part by PWA funds and all contracts let will be subject to Federal regulations. For convenient reference the following summary of the status of projects authorized has been prepared. It will be supplemented by progress reports appearing regularly in the Advance Report section.

GEORGE WASHINGTON HIGH SCHOOL: Thirtieth Avenue to Thirty-second Avenue, Geary Street to Balboa Street; **Architects Miller & Pflueger**, 580 Market Street; **Structural Engineer W. L. Huber**, 1 Montgomery Street. Three-story concrete building, to contain academic unit, gymnasium, auditorium, shop. Academic unit to be built first, others at later date. Plans completed, awaiting approval of State Division of Architecture. Bids will be asked shortly **$760,000**

MARINA JUNIOR HIGH SCHOOL: Fillmore St. between Bay and Chestnut Streets; **Architects Wm. P. Day**, Financial Center Bldg., **John Bakewell Jr.**, 251 Kearny Street, and **George W. Keiham**, 315 Montgomery St. Classroom unit, gymnasium, auditorium. Preliminary plans approved **$774,538**

GLEN PARK SCHOOL, Bosworth Street between Lippard and Brompton Streets; **Architects Bliss & Fairweather**, Balboa Bldg., and **Lewis P. Hobart**, Crocker Bldg.; **Structural Engineer Erle Cope**, 111 Sutter Street. Complete 2-story school unit, 17 rooms, library, auditorium. Plans approved, preparing working drawings **$239,305**

VISITACION VALLEY SCHOOL, Schwerin Street between Visitacion and Leland Streets; **Architects G. A. Lansburgh**, 140 Montgomery Street, and **Hyman & Appleton**, 68 Post St.; **Mechanical Engineers, Leland & Haley**, 58 Sutter Street. Complete school unit, 17 rooms, library, auditorium-kindergarten and auditorium detached. Preliminary plans approved **$173,276**

LAWTON SCHOOL, 30th Avenue, between Lawton and Kirkham Sts.; **Architects Charles E. J. Rogers**, Phelan Bldg., and **Dodge A. Riedy**, 821 Market Street; **Structural Engineer, Hyman Rosenthal**, 821 Market Street; **Electrical and Mechanical Engineers, Robert L. St. John Co.**, 544 Market Street. Complete school unit, 12 rooms, library, auditorium. Preliminary plans approved **$173,276**

FRANCIS SCOTT KEY SCHOOL, 42nd Avenue, between Irving and Judah Streets, or site two blocks distant—site to be selected; **Architects William Mooser**, 233 Monadnock Bldg. **Edward E. Eames**, 353 Sacramento Street, and **Douglas Dacre Stone**, 110 Sutter Street. Complete school unit, 12 rooms, library, auditorium. Plans are delayed until site is decided. **$176,000**

SUNSHINE-BUENA VISTA SCHOOL, Florida and Bryant Streets, 25th to 26th Stretts; **Architects Martin J. Rist**, Phelan Bldg., **Charles F. Strothoff**, 2274 15th Street, **Smith O'Brien**, 244 Kearny Street, and **Albert Schroepfer**, 244 Kearny Street. Complete school unit, 12 rooms plus specialized rooms. Sunshine and Buena Vista Schools to be combined in the one unit. Plans being prepared. **$300,000**

PATRICK HENRY SCHOOL, Vermont Street, between 18th and 19th Streets; **Architects W. D. Peugh**, 333 Montgomery Street, and **Gardner A. Dailey**, 210 Post Street. Complete school unit. Plans being prepared. **$100,000**

AGASSIZ SCHOOL, Bartlett and 22nd Streets. New school unit planned for future date. Architects to be commissioned. (Present structure being repaired). $177,000

IRVING M. SCOTT SCHOOL, Tennessee and 22nd Streets. Old building to be protected with new fire-escapes. Plans approved.

STARR KING SCHOOL, Utah and 25th Streets. Old building to be protected with new fire -escapes. Plans completed, awaiting approval by State Division of Architecture.

$200,000 WORK ON PENINSULA SCHOOLS PENDING

San Mateo and Palo Alto Reconditioning Contracts on Market for Bids

More than $200,000 in contracts is involved in two peninsula school reconstruction jobs on the market for bids in the next two weeks.

Figures are to be received by the San Mateo High School district next Monday for structural alterations to San Mateo High and Applied Arts building and to the Burlingame High School, estimated to cost approximately $100,000. The work will recondition the buildings to comply with the state earthquake safety act.

Harold Hammill, San Francisco structural engineer, is the consulting engineer for the school district on this work.

A similar contract is to be let by the Palo Alto High School District, also for work estimated at $100,000 to bring the Auditorium and Administration Building into compliance with state safety regulations. Bids are to be received August 16. Architects Birge M. Clark and David B. Clark of Palo Alto, have prepared plans for this work and W. L. Huber, San Francisco, as consulting engineer.

OPEN BIDS ON SANTA CRUZ P. O.

WASHINGTON, D. C., July 31.—Dinwiddie Const. Co., Crocker Bldg., San Francisco, today submitted the low bid to the Treasury Department at $87,600 for an addition to the Santa Cruz Post Office. Second low bid was that of Wm. Spivock, San Francisco, at $90,129. Supplemental figures were taken today from contractors who bid originally on the contract last month.

Hemstreet & Bell Low on Trinity Forest Highway

Hemstreet & Bell, Marysville, at $62,582 yesterday submitted low bid to the U. S. Bureau of Public Roads San Francisco, for placing selected material and crushed gravel subgrade reinforcement on approximately 19.8 miles of the Douglas City-Peanut National Forest Highway in Trinity County. The low bid was $2,891 below that of Geo. French, Jr., Stockton, the second low bidder.

Total bids were as follows:

Hemstreet & Bell, Marysville	$62,582.00
Geo. French, Jr., Stockton	65,473.00
Granfield, Farrar and Carlin, San Francisco	69,818.00
United Contracting Co., Portland	104,037.80
Hein Bros. Basalt Rock Co., Petaluma	104,284.00

The engineer's estimate placed the total amount at $64,898, or $2,316 more than the low bid.

MANY BID ON PWA CONTRACTS OF WATER DEPT.

Barrett & Hilp Low on Bay Trestle; Lowrie Paving Co. Takes Pipe Extensions

Twenty-two contracting firms yesterday competed for three contracts offered by the San Francisco Public Utilities Commission as part of the water department PWA construction program.

The meeting room of the Commission was filled with representatives of contracting firms and material dealers during the two hours required for reading the unusual number of bids.

On the basis of preliminary totals the largest job of the three, that for constructing a trestle to support the 66-inch Bay Crossing Pipe Line No. 2 will go to Barrett and Hilp on a bid of $174,392. The other two contracts, for laying water main extensions in the city will be let to Lowrie Paving Co. The bid was $33,972 for contract 49, laying mains in the area bounded by Egbert Street, Sunnydale Avenue, Elliot Street and Griffith Avenue. For Contract 48 the same firm was low at $37,331. This contract is for laying mains in the area bounded by Eighth Avenue, Twenty-fifth Avenue, Fulton Street and Lake Street.

Complete total bids on each contract follows:

Bay Crossing Trestle

Barrett & Hilp	$174,392
Union Paving	176,630
Ben C. Gerwick	177,700
Healy-Tibbitts	179,375
Duncanson - Harrelson	179,931
M. B. McGowan	197,562
Macco Constr. Co.	207,925
Rocca & Caletti	222,305
Yondall Constr. Co.	243,270
Lindgren & Swinerton	244,661

Water Mains Contract 48

Lowrie Paving Co.	$37,331
Barrett & Hilp	40,812
Alta Electric & Mechanical Co.	42,074
Pacific Pavements Co.	43,121
Harry J. Oser	45,745
Herman Lawson	46,752
Fay Improvement Co.	49,173
Eaton & Smith	51,727
Lindgren & Swinerton	75,148

Water Mains Contract 49

Lowrie Paving Co.	$33,972
Barrett & Hilp	36,722
Pacific Pavements	40,757
J. S. Heilmann	40,939
W. J. Tobin	42,043
Piombo Bros.	43,562
Eaton & Smith	43,963
E. J. Treacy	43,975
Fay Improvement Co.	44,724
Alta Electric & Mech.	44,777
Herman Lawson	48,948
H. C. Vensano	61,325
Lindgren & Swinerton	103,086

Erle L. Cope Named To Succeed Leonard As Building Inspector

Erle L. Cope, San Francisco engineer, yesterday was appointed by Chief Administrator A. J. Cleary to be chief of the San Francisco Department of Building Inspection. He will take office today, succeeding John B. Leonard, who is retiring.

Mr. Cope has had offices in San Francisco as a consulting structural engineer for the past twenty-two years. He graduated from the University of California school of engineering in 1906. Subsequently he taught at St. Mary's College and was head of the department of engineering there.

He has been president of the Structural Engineers Association of California and is chairman of the Structural Engineers Advisory Committee for the State Division of Architecture. He has been identified with many of the principal structures erected in San Francisco and vicinity as consulting engineer. Among the most recent local projects on which he was retained are the Mills Tower and the San Francisco Stock Exchange.

Mr. Cope is a member of the American Society of Civil Engineers. His private offices are at 111 Sutter Street.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
363	Paxinos	Ostlund	1500
364	Macey	Fink	2950
365	Little	Little	4000
366	Little	Little	4000
367	Waters	Disston	1700
368	Brazelton	Owner	1800
369	Stelling	Sartorio	1500

ALTERATIONS
(363) NO. 49 THIRD STREET. Alter store.
Owner—S. Paxinos, Premices.
Architect—Not Given.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco. $1500

ALTERATIONS
(364) 904-906 MARKET STREET; alter store.
Owner—Macey Jewelry Co., 904 Market Street.
Architect—Not Given.
Contractor—Fink and Schindler, 552 Brannan Srteet. $2950

DWELLING
(365) E 25th AVE. 349 N Ocean Ave.; one - story and basement frame dwelling.
Owner—M. A. Little Bldg. Co., 127 24th Avenue.
Architect—C. O. Clausen, 746 46th Ave.
Contractor—M. A. Little Bldg. Co., 127 24th Ave. $4,000

DWELLING
(366) E 25th AVE. 303 N Ocean Ave.; one - story and basement frame dwelling.
Owner—M. A. Little Bldg. Co., 127 24th Avenue.
Architect—C. O. Clausen, 746 46th Ave.
Contractor—M. A. Little Bldg. Co., 127 24th Ave. $4,000

MOVE AND ALTER
(367) 2906 ARMY ST.; move and alter dwelling.
Owner—Mr. Waters, 2906 Army St.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission Street. $1700

ALTERATIONS
(368) NW SAN MIGUEL AND MT. Vernon Sts. Alter dwelling.
Owner—George W. Brazelton, 612 Steiner St., San Francisco.
Architect—Not Given. $1800

ALTERATIONS
(369) 2231 CHESTNUT STREET; alter store.
Owner—Martin Stelling Jr., 2231 Chestnut Street.
Architect—Bertz, Winter & Maury, 687 Market Street.
Contractor—P. Sartorio, 681 Market St. $1,500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
303	Allen	Allen	5000
304	Oakland	Kelly	11297
305	Oakland	Kelly	1027
306	Shuman	Voorhies	19500
307	Oakland	Lynn	2448
308	Oakland	Lynn	3510
309	Oakland	Lynn	5850
310	Oakland	Lynn	3510
311	Oakland	Lynn	4896
312	Oakland	Lynn	6120
313	Diamond	Mazurette	1200
314	Oakland	Bernard	5520
315	Glenview	Hambleton	6000
316	Kaiser	Owner	1000
317	Chevrolet	Owner	1000
318	Taylor	Lapham	8719

DWELLING
(303) NO. 6000 CHELTON DRIVE, **OAKLAND.** Two-story 6-room dwelling.
Owner—Glenn G. Allen and Lewis T. Dobbins, 1239 106th Ave., Oakland.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland. $5000

CLASS ROOMS
(304) EIGHTY-FIRST AVE. AND Olive St. (Webster Schaol), **OAKLAND.** Eleven one-story 1-room classrooms.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor — Kelly & Tulloch, 4730 Proctor Ave., Oakland. $1027 each

BUILDING
(305) EIGHTY-FIRST AVE. AND Olive St. (Webster School), **OAKLAND.** One-story sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor — Kelly & Tulloch, 4730 Proctor Ave., Oakland. $1027

DWELLING
(306) NO. 250 THE UPLANDS, **BERKELEY,** Two-story 9-room frame dwelling.
Owner—J. F. Shuman, 369 Pine St., San Francisco.
Architect—T. E. Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, 369 Pine St., San Francisco. $1950

CLASS ROOM
(307) TOMPKINS AVE. & BUELL St. (John Swett School), **OAKLAND.** One-story 1-room classroom and one-story sanitary bldg.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. F. Lynn, 1037 Ashmount Ave., Oakland. $1224 each

CLASSROOMS
(308) 103RD AVE. AND BIGGEREAU St. (Stonehurst School), **OAKLAND.** Three one-story 1-room classrooms.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. F. Lynn, 1037 Ashmont Ave., Oakland. $1170 each

CLASSROOMS
(309) THORN ROAD AND MOUNtain Blvd. (Montclair School), **OAKLAND.** Four one-story 1-room classrooms and one sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor — W. F. Lynn, 1037 Ashmount Ave., Oakland. $1170 each

CLASSROOMS
(310) MONTICELLO AND FLEMING Aves. (Maxwell Park School), **OAKLAND.** Two 1-story 1room classrooms and one-story sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. F. Lynn, 1037 Ashmount Ave., Oakland. $1170 each

CLASSROOMS
(311) THERMAL AVE. AND SCOTT St. (Toler Heights School), **OAKLAND.** Three one-story 1-room classrooms and one-story sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. F. Lynn, 1037 Ashmount Ave., Oakland. $1224 each

CLASSROOMS
(312) BURCKHALTER AND SUNnymere Ave. (Burchalter School), **OAKLAND.** Four one-story one-room Classrooms and one-story sanitary building.
Owner—Oakland School District, 1025 Second Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. F. Lynn, 1037 Ashmount Ave., Oakland. $1224 each

ALTERATIONS
(313) NO. 4704 GROVE ST., **OAKLAND.** Alterations.
Owner—Diamond Dairy Co., 47th and Grove Sts., Oakland.
Architect—Not Given.
Contractor—A. J. Mazurette, 576 5th St., Oakland. $1200

CLASSROOMS
(314) LONGRIDGE AND SUNNYhills Road (Crocker Highlands School), **OAKLAND.** Five one-story 1-room classrooms.
Owner—Oakland School District, 1025 2nd Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—W. V. Bernard, 227 San Carlos Ave., Berkeley. $1048 each

CLUBHOUSE
(315) NO. 1318 GLENFIELD AVE., **OAKLAND.** One-story six-room clubhouse.
Owner—Glenview Womens Club.
Architect—Not Given.
Contractor — Fred Hambleton, 1005 Chatham Road, Oakland. $6000

ADDITION
(316) FOOT OF BROADWAY, **OAKLAND.** Addition.
Owner — Henry Kaiser Co., 1522 Latham Square Bldg., Oakland.
Architect—Not Given. $1000

ALTERATIONS
(317) NO. 5601 E-FOURTEENTH St., **OAKLAND.** Alterations.
Owner —Chevrolet Hotor Co., 6901 Foothill Blvd., Oakland.
Architect—Not Given. $1000

DWELLING
(318) 18 DOWNEY PLACE, **OAKLAND;** two-story 9-room dwelling.
Owner—Leo E. Taylor, 546 Kenmore Ave., Oakland.
Architect—Not Given.
Contractor—Theodore H. Lapham, 546 Kenmore Ave., Oakland. $8719

SAN FRANCISCO UNDER $1000

ALTER store, $100; 401 Edinburgh; owner, Mr. and Mrs. H. Zenone. Premises.
ALTER store, $260; 3137 Mission St.; owner, Mrs. Mary O'Keefe, San Mateo; contractor, Chas. J. W. Koenig & Sons, 520 Church St.
BILLBOARD, $6.25; NW Mission and Naglee Sts.; owner, Foster & Kleiser Co., 1675 Eddy St.

ALTER dwelling, $600! 2307 Broadway; owner, Geo. F. Volkmann, 2307 Broadway; architect, Julia Morgan, Merchants Exchange; contractor, William Laing, 2511 20th Ave.
ALTER flats, $25; 429 Mississippi St.; owner, E. West, 3219 23rd St.
ALTER dwelling, $237; 479 34th Ave.; owner, H. Nisja, Premises.
SIGN, electric, $300; 2303 Chestnut St.; owner, Virginia Maid Candies, Premises; contractor, QRS Neon, 690 Potrero Ave.
ALTER dwelling, $245; 2853 Broderick St.; owner, Mrs. Joyce, 2853 Broderick; contractor, Ferguson & Son, 1739 Union St.
ALTER flats, $500; 4426 25th Street; owner, H. A. Meyer, 4348 18th St.
SIGN, electric, $200; 1400 Stockton; owner, Beneficenza Pharmacy, Prem.; contractor, Golden Gate Neon Sign Co., Inc., 355 8th St.
ALTER apartments, $400; 1770 Pacific Ave.; owner, M. J. Savage, Prem. architect, Martin Rist, 944 Phelan Bldg.; contractor, A. C. Anderson.

SIGN, electric, $400; 490 Tenth St.; owner, Milwaukee Brewery, 490 Tenth St.; contractor, Laib, 7th and Folsom Sts.
ALTER barber shop, $25; 118 Jones; owner, Carl Head, 118 Jones St.
ALTER hotel and stores, $475; 300 Post St.; owner, Allied Properties Co., 745 Market St.; contractor, Seymour Showcase & Fixture Corp., 604 Mission St.
SIGN, electric, $150; 2817 24th St.; owner, Roosevelt Tamale Parlor, 2817 24th St.; contractor, QRS Neon, 690 Potrero Ave.
GARAGE, private, $150; 1019 Union; owner, P. M. Demartini, 1019 Union St.

SIGN, electric, $200; 2534 Mission St.; owner, Good Food, Prem.; contractor, G. G. Neon Sign Co., Inc. 355 8th St.
SIGN, electric, $75; 1022 Market St.; owner, B. G. Sandwich Shop, 1022 Market St.; contractor, Electrical Prod. Corp., 255 Golden Gate Ave.
ALTER flats, $150; 1933 McAllister; owner, E. Gunderson, 1933 McAllister St.; contractor, G. West, 525 Page Street.
SIGN, electric, $75; 464 Sutter St.; owner, B. G. Sandwich Shop, 464 Sutter St.; contractor, Electrical Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; 35 Golden Gate; owner, B. G. Sandwich Shop, 35 Golden Gate Avenue; contractor, Elec. Prod. Corp., 255 Golden Gate.
SIGN, electric, $250; 9 Stockton Street; wner, Stark's Millinery, 9 Stockton St.; contractor, Novelty Elec. Sign Co., 66 Washburn St.
ALTER commercial bldg., $300; North Hemlock 75 W Larkin St.; owner, Halsted & Co., care architect; architect, August Nordin, 706 Mills Building.
BILLBOARD, $6.25; NW Mission and St. Marys Ave.; owner, Foster & Kleiser Co., 1675 Eddy St.
SIGN, electric, $75; 250 Montgomery; owner, B. G. Sandwich Shop, 250 Montgomery St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER flats, $25; 429 Mississippi St.; owner, E. West, 3219 23rd St.

ALAMEDA COUNTY UNDER $1000

FIRE repairs to roof, $95; 585 29th St.; Oakland; owner, Mrs. A. McIntyre, 585 29th St., Oakland; contractor, H. J. Edwards, 1215 Poplar St., Oakland.
SIGN, electric, $100; 1008 Broadway, Oakland; owner, J. F. Hopkins, 1008 Broadway, Oakland; contractor, QRS Neon Corp., 690 Potrero Ave., San Francisco.
STORE, 1-story, $300; 5120 Foothill Blvd., Oakland; owner and builder, C. F. Westman, 5122 Foothill Blvd. Oakland.
REPAIRS to roof, $75; 9511 Hillside St., Oakland; owner and contractor, B. E. Sledge, 9511 Hillside St. Oakland.
SIGN, electric, $300; 3608 E 14th St., Oakland; owner, Senator Market; contractor, Wonderlite Neon Corp. 170 Otis St., San Francisco.

ADDITIONS, $425; 2919 Florence St., Berkeley; owner and contractor, M. G. Eyre, 2919 Florence Street, Berkeley.

REPAIR fire damage, $500; 2039 4th St., Oakland; owner and contractor, H. D. Tuller, 1460 San Pablo Ave., Berkeley.
ALTER roof, $165; 1426 Milv'a St., Berkeley; owner, H. L. Poss, 1426 Milvia St., Berkeley; contractor, Crown Roof Co., 2609 E 14th St., Oakland.
GARAGE, private, $200; 1925 Delaware St., Berkeley; owner and contractor, Mrs. C. Reed, 1925 Delaware, Berkeley.

ALTERATIONS, $98. 2735 Prince St., Oakland; owner, E. Deming, 2735 Prince St., Oakland; contractor, W. H. Craig, 3308 Harrison St., Berkeley.
RE-ROOF, $100; 524-26 Hobart St., Oakland; owner, Bradley & Henderson, 530 30th St.
RE-ROOF, $185; 1048 7th Ave., Oakland; owner, H. F. Salue, 1048 7th Ave.; contractor, City Cornice Co., 3117 San Pablo Ave.
ADDITION, $150; 1200 78th Avenue, Oakland; owner, E. Pottington, 1200 78th Ave.
BRICK-IN boiler, $500; 2510 Filbert St., Oakland; owner, Union Laundry Co., 2510 Filbert St.; contractor, E. Morgan, 1712 79th Avenue.
ADDITION, $270; 5700 Oak Grove Ave., Oakland; owner, Mrs. A. M. Wires, 5700 Oak Grove Ave.; contractor, C. J. Pfrang, 6300 Claremont Ave.
ALTERATIONS, $185; 2645 39th Ave., Oakland; owner, H. Froeming, 2645 39th Ave.; contractor, Douglas & Wolfe, 3961 Vale Ave.
DISTRIBUTING building, $115; 2350 Ashby Ave., Berkeley; owner, Tribune Publishing Co., 13th and Franklin Sts., Oakland; contractor, Melrose Sheet Metal Works, 44th Ave. and E-14th St., Oakland
DISTRIBUTING station, $115; 1850 Dwight Way, Berkeley; owner, Tribune Publishing Co., 13th and Franklin Sts., Oakland; contracr tor, Melrose Sheet Metal Works, 44th Ave.fl and E-14th St., Oakland.

ALTERATIONS, $87; 1685 Euclid Ave., Berkeley; owner, F. E. Peterson, 1685 Euclid Ave.
DISTRIBUTING station, $115; 1350 Francisco St., Berkeley; owner, Tribune Publishing Co., 13th and Franklin Sts., Oakland; contractor, Melrose Sheet Metal Works, 44th Ave. and E-14th St., Oakland
ALTERATIONS, $450; 724 Rand Ave., Oakland; owner and contractor, F. M. Thatcher, 724 Rand Avenue, Oakland.
STEEL tank & walls, $600; 3129 Elmwood Ave., Oakland; owner and contractor, An-Fo Mfg. Co., 3129 Elmwood Ave., Oakland.
ALTERATIONS, $15; 708 14th Street, Oakland; owner and contractor, Harry Paris, 708 14th St., Oakland.
WRECK building, $150; NE Cor. Sixth and Washington Sts., Oakland; owner, Ross Estate, Hall of Records; contractor, C. F. Roberts, 937 Market St., Oakland.

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
73	Kafkas	Paratore	1600
74	Printers	Paganini	18000
75	Bickel	McCarthy	12083

ALTERATIONS
(73) NO. 379 CLEMENTINA STREET
Alterations to building.
Owner—Peter Kafkas, Premises.
Architect—Not Given.
Contractor—R. Paratore, 549 Fell St., San Francisco.
Filed July 26, '34. Dated July 21, '34.

Joists in place	$400
1st coat plaster on	400
Upon completion	400
Usual 35 days	400
TOTAL COST,	$1600

Bond, limit, forfeit, none. Plans and specifications filed.

ADDITION
(74) NO. 300 BROADWAY. All work for one-story addition to present building.
Owner—Printers Building, Inc., Prem.
Architect—H. A. Minton, Underwood Bldg., San Francisco.
Contractor—David Paganini, 519 California St., San Francisco.
Filed July 27, '34. Dated July 26, '34.

Each month	75%
Usual 35 days	25%
TOTAL COST,	$18,000

Bond, limit, forfeit, none. Plans only filed.

REMODELING
(75) 1639 to 1649 FOLSOM ST.; remodel and rebuild six flats; alterations to 3-story frame and stucco apt. building.
Owner—Abby Frink Bickel, premises.
Architect—Not Given.
Contractor—Robt. McCarthy, 1364 14th Avenue.
Filed, Aug. 1, '34. Dated, July 6, '34.
Four equal payments.
Last payment usual 35 days.
TOTAL COST, $12,083.70
Bond, $6,039.25. Suerties, Maryland Casualty Co. Plans and Spec. filed.

Phone TRinity 0241 for —Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel 656 S. Los Angeles St. Los Angeles, Calif.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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2— BONDS

BONDS SOLD

SANTA CLARA COUNTY, Cal.—An issue of $2,000,000 in bonds of the Santa Clara Valley Water Conservation District was purchased by a syndicate composed of Blyth & Co. Inc., San Francisco, and associates at a premium of $21 and at interest rates of 5% for $530,000 of the issue and 3¾% for the remaining $1,470,000. The bond proceeds supplemented by a PWA grant of $673,000 will be used to construct a system of reservoirs and conduits for conservation and distribution of flood waters.

3— CHURCHES

Roofing Contract Awarded

CHURCH Cost, $30,000
SAN FRANCISCO. Fourteenth Ave. and Clement St.
One - story reinforced concrete and steel church (to seat 100) felt, gravel and terra cotta tile roof; some tile work, etc.
Owner—Congregation Beth-Sholom.
Architect—F. W. Dakin, 625 Market.
Contractor—Leo Epp, 4745 Geary St.
Roofing—Fisher and Houts, 557 Market Street.
Previously reported, plumbing contract awarded to Philip Wesendunk, 236 Clement Street; millwork to Pacific Mfg. Co., Monadnock Bldg.; electric to Grandi Electric Co., 3373 Sacramento St.; lumber to Roth Meier Lumber Co., 2800 Third St.

4 — FACTORIES & WAREHOUSES

SUB-CONTRACTS AWARDED

COALINGA, Fresno Co., Cal.—D. A. Loomis, 676 Salem St., Glendale, has awarded sub-contracts on Maintenance Station buildings being erected for State Division of Highways at Coalinga as follows:
Structural Steel—City Tool Works, 715 E. 9th St., Los Angeles.
Reinforcing Steel—Blue Diamond Corp. 1650 S. Alameda St., Los Angeles.
Sheet Metal—Emil Brown Co., 300 E. Ninth St., Los Angeles.
Glass and Glazing—W. P. Fuller and Co., Glendale.
Lumber—Fox Woodsum Lbr. Co., 714 E. California St., Glendale.
Hardware — Bennett - Montgomery Hardware Co., 323 San Pedro St., Los Angeles.

Plans Completed — Work Being Done By Day Labor.

FACTORY Cost, $100,000
STOCKTON, San Joaquin Co., Cal. Port of Stockton.
Six-story and basement grain mill building and equipment; wood frame, sheet metal siding and roof 36x42ft.) Equipment includes scalparator, needle screens, belt conveyor, laminated wood binds. Mill capacity 125 tons per hour.
Owner—Port Stockton Grain Terminal Port of Stockton.
Plans by Engineering Dept. of Owner (Robert Houghan, Structural Engineer; Dan Russell, Mechanical Engineer).
William Wheeler is superintendent of construction. Foundations have been started and crews will work two six-hour shifts daily to complete the building for handling this season's crop. Machinery contracts are being let.

Bids Wanted—To Close August 16, 2 P. M.

BULKHEAD BLDG. Cost, $100,000
SAN FRANCISCO. Waterfront bet. Piers No. 38 and 40.
Bulkhead building (2story steel frame timber wall, stucco front, tar and gravel roof (40x450 ft.) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.
Owner — State of California (Harbor Commission), Ferry Bldg.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Plans available from State Board of Harbor Commisioners, Room 18, Ferry Bldg., upon deposit of $30.
(7537) 1st report Jan. 4, 1932; 3rd July 20, 1934.

Bids Wanted—Close Aug. 8, 11 A. M.

WHARF SHED Cost, $——
VALLEJO, Solano Co., Virginia Street Wharf.
Frame shed (16x42 ft.) containing office and storage space to be erected on municipal wharf at Virginia Street.
Owner—City of Vallejo.
Plans by Engineering Department.
Plans and specifications available from City Engineer T. D. Kilkenny.

Contract Awarded

WAREHOUSE Cost, $——
WOODLAKE, Tulare Co., Calif.
Construct addition (50x80 ft.) to citrus warehouse including 20-ft. driveway, two fruit conveyors, air-conditioning units.
Owner—Elderwood Citrus Association, Tulare County.
Architect—Not Given.
Contractor—T. B. Runciman, Route 1, Box 1180, Exeter.

BIDS WANTED

VENTURA, Ventura Co., Cal.—Architect Roy C. Wilson will open bids at 2:30 P. M., August 8, at his office on Fay Road, Santa Paula, one mile north of the Southern Pacific depot on Ojai Road, for the first unit of a packing plant to be erected 1½ miles east of Montalvo, Ventura county, for the Saticoy Lemon Assn.; Albert J. Thille, president. The building will have a reinforced concrete basement, reinforced concrete and tile side walls, sawtooth type roof construction with wood trusses and steel purlins, maple flooring, mechanical ventilation, composition roofing, steel sash, low pressure steam boilers, etc. Estimated cost $35,000. The following contractors have been invited to submit bids: Myers Bros., 3407 San Fernando Rd., Los Angeles; Rainey & MacIsaac, 2100 E. 25th St., Los Angeles; J. B. Lippincott, 714 W. Tenth St., Los Angeles; Wm. P. Neil Co., 4814 Loma Vista, Los Angeles; Wm T. Loesch & Son, 119 E. Union Ave., Pasadena; Johnson & Hansen, 2115 Locust Ave., Long Beach; John T. Bibb, 231 North Central Ave., Glendale; Frank Barr, 1547 E. Main St., Ventura; George MacLeod, 1539 San Nicholas, Ventura; A. Schroeder, 300 G St., Oxnard; W. L. Snook, 210 La Arcada Bldg., Santa Barbara. Ventura county contractors figuring the job will be given a $350 preference.

7—FEDERAL BUILDING

BIDS WANTED

ROSEVILLE, Placer Co., Cal.—Until August 22, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the United States post office at Roseville.
An appropriation of $45,000 has been made for the building. Further details will be announced shortly.

BIDS OPENED

SAN FRANCISCO — Cramer Bros., 1325 Clement St., San Francisco, at $785 submitted low bid to Wm. Arthur Newman, District Engineer, U. S. Public Buildings, 402 Post Office Bldg. San Francisco, for exterior and interior painting and repairs to plaster in U. S. Marine Hospital, San Francisco. Complete bids follow:

Cramer Bros.	$ 785
Pacific Painting & Decorating Co.	1237
Lee Dixon Painting Co., Ltd.	1254
J. H. Devert, Inc.	1288
Aristo Painting Co.	2019
K. P. Paoli & Co.	2415

COMPLETE BIDS

NOGALES, Ariz.—Robert E. McKee, 108 W. Sixth St., Los Angeles, and 1900 Texas St., El Paso, Texas, at $117,700 submitted the low bid to the Treasury Department, Washington, D. C., for construction of the U. S. Immigration Station at Nogales.
The building will be a two-story structure, 97x165 ft. with brick walls, stucco exterior, tile and composition roofing, dampproofing materials, vault doors, metal and glass partitions, one-pipe steam heating system, etc. The bids follow:
Robert McKee, $117,700; (A) for tile floor and base in toilets, add $700 (B) macadam drive in lieu of concrete, omission of canopy, etc., deduct, $1300.
Harry B. Friedman, $128,300; (A) $1200; (B) $1100.
Andy Sordal, $134,500; (A) $821; (B) $1765.
A. Smith & Co., $137,200; (A) $600; (B) $1500.
T. A. Allen Constr. Co., $147,935; (A) $579; (B) $1155.
Murch Brothers Constr. Co., $151,600; (A) $700; (B) $1500.
Blauner Constr. Co., $158,500; (A) $100; (B) $1300.
(4688) 1st report June 14; 5th July 25, 1934.

COMPLETE BIDS

MARCH FIELD, Riverside Co., Cal.—DeCamp-Hudson Co., 1277 W. 24th St., Los Angeles, submitted low bid to the Constructing Quartermaster, March Field, July 24, at $9481, for the construction of ordnance maga-

zines at March Field. Recommendation was made that the contract be awarded the low bidder. The bids follow:

DeCamp-Hudson Co., (1) construct complete one chemical warfare magazine, one pyrotechnics magazine, one bomb fuses magazine, one saluting rounds magazine and one fragment bombs magazine, including sump pit and utilities, $9481; (2), deduct from item 1 if chemical warefare magazine, including ramp, is omitted, $675; (2) deduct from item 1 if pyrotechnics magazine, including ramp, is omitted, $640; (5) deduct from item 1 if bomb fuses magazine, including ramp, is omitted, $595.

J. R. Lippincott, (1) $10,846; (2) $880 ;(3) $880; (5) $880.

Chas. J. Dorfman, (1) $11,100; (2) $1400; (3) $1400; (5) $1400.

Myers Bros., (1) $11,714; (2) $1123; (3) $1150; (5) $1150.

Cresmer Mfg. Co., (1) $12,222; (2) $1360; (3) $1435; (5) $1435.

T. C. Pritchard, (1) $12,842; (2) $946; (3) $946; (5) $946.

Theo. A. Beyer Corp., (1) $14,521; (2) $1500; (3) $1500; (5) $1500.

BIDS WANTED

FORT LEWIS, Wash.—Until August 9, 11 A. M., bids will be received by Constructing Quartermaster, Fort Lewis, for contract to complete 18 Non-Commissioned Officers' Quarters, which are approximately 90% complete. Plans and specifications obtainable from Lieut. Clifford Smith, Constructing Quartermaster, Fort Lewis, on deposit of $10.

PROSPECTIVE BIDDERS

SAN FRANCISCO.—Plans for construction of Single Attendant's Quarters and Mess Hall at U. S. Quarantine Station, Angel Island (**bids close August 14, 3 P. M., Washington, D. C.**) have been issued to the following:

Barrett & Hilp, 918 Harrison Street, San Francisco.

Fred J. Early, Jr., 369 Pine Street, San Francisco.

B. A. Howkins & Co., 1182 Markct St., San Francisco.

William Spivock, Hobart Building, San Francisco.

Libby & Libby Co., 244 Second Ave., Minneapolis, Minn.

K. E. Parker Co., 135 South Park, San Francisco.

COMPLETE BIDS

CARLSBAD, N. M.—Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis, Mo, at $65,820 submitted the low bid to the Treasury Department, Washington, D C., for construction of the U. S. Post Office at Carlsbad. Complete bids follow:

Wm. MacDonald Co. St. Louis	$65,820
R. E. McKee, El Paso, Texas	66,309
Murch Bros., St. Louis	67,556
A. Smith & Co., Chicago	68,800
Elauner Const. Co., Chicago	69,800

CONTRACT AWARDED

MARE ISLAND, Cal.—Jones Bros. Asbestos Co., 370 Second Street, San Francisco, at $3100 awarded contract by Public Works Officer, Mare Island Navy Yard, for furnishing and installing heat insulating covering for breeching flue connections, heaters and storage tanks at the Central Power Plant under Spec. No. 7707.

BIDS WANTED

WINSLOW, Ariz.—Until August 10, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the U. S. Post Office at Winslow. The building will be one-story and basement, brick structure, stucco exterior, composition roof, steel sash and one-pipe steam heating system. Appropriation $49,500.

Plans have been issued to the following:

Allied Const. Co., Box 1773, Fort Worth, Texas.

Olds Lumber Co., Winslow, Ariz.

Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis, Mo

The W. F. Jackson Co, Inc., Denrike Bldg., Washington, D. C.

Blauner Const Co., 189 W Madison St., Chicago.

Davis - Williamson Co., Muskogee, Oklahoma.

Robert E. McKee, El Paso, Texas.

Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis, Mo.

J J. Fritch, 510 Thomas Building, Dallas, Texas.

Specifications are obtainable from Treasury Department, W. E. Reynolds, Assistant Director of Procurement, on deposit of $15.00.

BIDS WANTED

COLTON, San Bernardino Co., Cal. —Until September 5, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the United States Post Office in Colton. The sum of $57,200 has been appropriated for the building and site.

CONTRACT AWARDED

FORT LEWIS, Wash. — Howard S. Wright & Co., Inc., 2210 Second Ave., Seattle, at $12,320 awarded contract by Constructing Quartermaster for installation of floor in Post Drill Hall at Fort Lewis.

CONTRACT AWARDED

LAS VEGAS, Nev.—H. J. McKinley, 9305 Burton Way, Beverly Hills, at $2318 awarded contract by Treasury Department for painting plaster in the Las Vegas post office.

MATERIALS APPROVED

SAN FRANCISCO. — Treasury Department has approved galvanized conduit furnished by Youngstown Sheet and Tube Co. for use in the Federal Office Bldg., Civic Center, San Francisco. General contractor is the Great Lakes Construction Co., 333 N. Michigan Ave., Chicago.

PLAN DEPOSIT

ROSEVILLE, Placer Co., Calif.—A deposit of $15 per set is required on plans for Roseville post office for which bids are to be received August 22 by the Treasury Department, Procurement Division, Public Works Branch.

Deposit should be in check payable to Treasurer of the United States. Cash deposits will not be accepted. W. E. Reynolds, Assistant Director of Procurement, Public Works Branch.

BIDS OPENED

VISALIA, Tulare Co., Cal.—Hough Shade Corp., Janesville, Wis., at $510,-80 submitted low bid to Purchasing Agent, Post Office Dept., Washington, D. C., for furnishing wood slat shades for 46 window openings in the Visalia post office. Complete bids were:

Hough Shape Corp., Janesville, Wisconsin	$510.80
Warren Shade Co., Minneapolis, Minneosta	553.90
Shredwood Curtain Co., New York City	562.00
Aeroshade Co., Waukesha, Wis.	582.00

SUB-CONTRACTS FIGURED

SUMMIT, C. Z.—J. A. Fazio, 2059 Webster St., Oakland, Calif., has completed figures on plumbing, heating, water, sewer and mechanical portions of work included in Spec. No. 7415, for improvements at the Naval Radio Station, Summit, C. Z., and is prepared to submit estimates to general contractors preparing bids on this contract. The bids will be received at Washington, D. C., August 29; date postponed from August 1.

BIDS OPENED

SAN FRANCISCO—A. B. C. Painting Co., 340 Guttenberg St., San Francisco, at $144 submitted low bid to Public Works Officer, Twelfth Naval District, San Francisco, under Specification No. 7767 for painting Quarters No. 1, U. S. Naval Receiving Ship, Yerba Buena Island. Only other bid submitted by A. W. Stoneback, San Francisco, at $245.

REVISING PLANS

PHOENIX, Ariz.—Architects Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, Ariz., are preparing revised plans for the United States Post Office building to be erected in Phoenix. Working drawings will be submitted to the office of the supervising architect in Washington for review on or about September 15. Revised plans contemplate a two-story structure, 195x163 feet; steel frame costruction, masonry walls, clay tile roofing, asphalt block paving, ornamental iron, bronze and hollow mental work, metal counters and cupboards, ventilating and and conditioning system, vacuum heating system, etc. Foundations and subbasement walls were constructed in 1932.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until August 15, 11 A. M., bids will be received by Constructing Quartermaster, Hamilton Field, for construction of a boat house and decking. Plans and specifications are obtainable from above on deposit of $5.00 and on file at the Builders' Exchange, 666 Mission St., San Francisco.

SITE BIDS

SEBASTOPOL, Sonoma Co., Cal.—Three sites have been offered for the U. S. Post Office in Sebastopol. Bids range from $3000 to $12,500. Postmaster W. L. Benepe has forwarded the bids to the Treasury Department at Washington, D. C.

Low Bidders.

EXTEND P. O. Cost, $110,000

SANTA CRUZ, Santa Cruz Co., Cal.

Extension and remodeling of present Post Office Bldg. (stone and terra cotta exterior, tile roof, etc.)

Owner—United States Government.

Plans by Treasury Dept., Washington D. C.

Low Bidder—Dinwiddie Constr. Co., 210 Crocker Bldg., San Francisco. at $87,600.

Second low bid submitted by Wm. Spivock, San Francisco, at $90,129.

Figures are supplemental bids taken from bidders on original contract, June 8. Previous low bid was submitted by K. E. Parker Co., 135 South Park, San Francisco, at $90,980

BIDS OPENED

SAN FRANCISCO—Herbert K. Henderson, 393 40th St., Oakland, at $495 submitted low bid to U. S. Department of Justice, Bureau of Prisons, for installing concrete and grating partitions with steel door in entrance hallway, Building 68, U. S. Penitentiary, Alcatraz Island. Only other bid submitted by Fred J. Early, Jr., 369 Pine Street, at $497.00.

Bids held uder advisement.

LOW BIDDERS

SAN DIEGO, Cal.—Olmstead Bldg. Co., 1847 Hancock St., San Diego, at $15,495 submitted low bid to Treasury Department, Washington, D. C., for

construction of Senior Medical Officer' Quarters, U. S. Quarantine Station, San Diego. Second low bid submitted by Herbert Mayson, 9315 S. Hooper St., Los Angeles, at $15,690.

8— CLUB BUILDINGS

Sub-Contracts Awarded.
CLUB Cost, $6000
OAKLAND, Alameda Co., Cal. No. 1318 Glenfield Avenue.
One-story six-room club house.
Owner—Glenview Womens Club.
Private Plans.
Contractor — Fred Hambleton, 1005 Chatham Road, Oakland.
Sub-contracts awarded as follows:
Excavation and Concrete—A. Angelo, Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Electrical—Dimond Electric Co., 2100 Hopkins St., Oakland.
Hardwood Floors—Davis Floor Co., 1801 Ward St., Berkeley.
Painting, roofing, heating and plumbing contracts will be let shortly

9— HOSPITALS

CONTRACT AWARDED
SAN FRANCISCO. — Hanson Bros., 5840 Mission St., at $85.00 awarded contract by Material Officer, U. S. Marine Hospital, 14th Ave. and Lake St., for repair of concrete steps and platform entrance to Building No. 5.

Preparing Plans
HOSPITAL Cost, $97,000
MADERA, Madera Co., Calif.
Owner—County of Madera.
Architect—Ernest J. Kump, 533 Rowell-Chandler Bldg., Fresno.
Plans will be ready in about sixty days. Work is financed by a bond issue of $70,000 for which bids will be received August 7 and a PWA grant of $27,000.

COMPLETING PLANS
HOSPITAL Cost, $25,000
TULARE, Tulare Co., Cal. County Hospital.
Isolation Ward Building for Tulare County General Hospital to accommodate 10 to 22 patients.
Owner—County of Tulare.
Architect—Ernest J. Kump, 533 Rowell-Chandler Bldg., Fresno.
Plans will be ready shortly and bids will be invited from Tulare County general contractors only.

Contract Awarded.
HOSPITAL Cost, $——
RICHMOND, Contra Costa Co., Cal. Twenty-third and Gaynor Ave.
General reconditioning of Richmond General Hospital, including painting, plastering, plumbing, flooring and heating.
Owner — Richmond General Hospital, Inc. (Miss Agnes Driscoll, Cottage Hospital, Manager).
Architect—Not Given.
Contractor — Elmer J. Freethy, 1301 Roosevelt Ave., Richmond.
Owners of Cottage Hospital, Richmond, have purchased Richmond General Hospital and have awarded the contract for repair and reconditioning of building.

BIDS REJECTED
SAN FRANCISCO — Treasury Department has rejected all bids received April 17 for construction of an addition to the plague laboratory at the United States Marine Hospital, Fourteenth Ave. and Lake St, San Francisco. The low bid was submitted by Frank J. Reilly, 6350 Fulton St., San Francisco, at $10,231.

12— POWER PLANTS

BIDS WANTED
PEARL HARBOR, T. H.—Until October 3, 11 A. M., bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Specification No. 7604 for the construction of an electrical distribution system with two substation buildings at the Repair Basin, Pearl Harbor Navy Yard. The work includes concrete, steel and iron, built-up roofing and sheet metal, pressed steel and steel rolling doors, steel windows, motor generator sets having automatic control, transformers and auxiliary equipment, new underground primary and secondary alternating current feeders, new underground direct current feeders, series lighting system and telephone cables and terminal boxes. Estimated cost, $300,000.
Plans and specifications available from Commandant, 12th Naval District, 100 Harrison St., San Francisco and at the office of Commandant, 14th Naval District, Navy Yard, Pearl Harbor, T. H., and from Bureau of Yards and Docks, Washington, D. C. Check or money order payable to Chief of Bureau of Yards and Docks for $20 required as deposit.

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Plans for construction of electrical distribution system with two substation buildings at the Repair Basin, Pearl Harbor Navy Yard, Spec. No. 7604 (bids close October 3, 11 A. M.) have been issued to the following:
Ross Electric Const. Co., 106 Fairmont Ave., Philadelphia.
G. & W. Electric Specialty Co., 7780 Dante Ave., Chicago.
The Collier Const. Co., 710 Film Bldg., Cleveland.
United States Steel Products Co., New York City.
Allis-Chalmers Mfg. Co., Washington, D. C.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed.
RESIDENCE Cost, $10,000
WALNUT CREEK, Contra Costa Co.
Two-story brick residence (8 rooms, 4 baths) frame and brick veneer, tile roof, steel sash, oak floors, gas hot air heating.
Owner—William Hull, 3051 Adeline St., Berkeley.
Architect—Edwin L. Snyder, 2101 Addison St., Berkeley.
Construction being superintended by owner.

Sub-Contracts Awarded.
COURTHOUSE Cost, $125,721
VISALIA, Tulare Co., Cal.
Four-story reinforced concrete addition to present structure (50x100) steam heating plant, steel sash, elevator, dampproofing, granite exterior plaster, metal studs, vaults, hardwood trim, insulation, composition roofing.
Owner—County of Tulare.
Architect—Ernest J. Kump, Rowell-Chandler Bldg., Fresno.
Contractor—Frank J. Reilly, 6350 Fulton St., San Francisco.
Sub-contracts awarded as follows:
Excavation—Orville Jeffers, Star Rt. 2, Porterville.
Reinforcing Steel — W. C. Hauck & Co., 280 San Bruno Ave., San Francisco.
Millwork—Fresno Planing Mill Co., H and Monterey Sts., Fresno.
Steel Sash—Michel & Pfeffer Iron Works, Inc., Tenth and Harrison Sts., San Francisco.
Plastering—Matt Summers, 2417 Belmont Ave., Fresno.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.

Bids Wanted—To Close August 20, 2:30 P. M.
ARMORY Cost, $92,000
KLAMATH FALLS, Oregon.
Construct Klamath Armory.
Owner—Klamath Armory Bldg. Committee, City Hall, Klamath Falls.
Architect—Howard R. Ferrin, 206 Underwood Bldg., Klamath Falls.
Bids will be taken on a general contract for the building complete. Plans and specifications obtainable from the architect on deposit of $25. Contract is financed in part by PWA funds.

ENGINEER APPOINTED
OAKLAND, Cal.—G. M. Simonson, 20 Loreta Ave., Piedmont, has been retained as consulting engineer for the mechanical and electrical work on the Alameda County Courthouse, for which plans are now being prepared. The board of architects for the courthouse have established offices in Room 910, Bank of America Bldg., Oakland. The telephone number is GLencort 2902.
Members of the board are W. G. Corlett, chairman, James W. Plachek, W. E. Schirmer, Carl Werner and H. A. Minton.

14— RESIDENCES

Sub-Contracts Awarded
RESIDENCE Cost, $7500
BERKELEY, Alameda Co. Cal. Stonewall Road.
Two-story brick veneer residence.
Owner—Ray Vandervoort, 2709 Dwight Way, Berkeley.
Architect—Edwin L. Snyder, 2101 Addison St., Berkeley.
Contractor—A. T. Beckett, 244 Scenic Ave., Piedmont.
Sub-contracts awarded as follows:
Concrete—Nat Lena, 1174 19th Street, Oakland.
Millwork—Oakland Planing Mill, Inc., Second and Washington Sts., Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 6000 Chelton Drive.
Two-story six-room dwelling.
Owner—Glenn G. Allen and Lewis T. Dobbins, 1239 106th Ave., Oakland
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $4000
PITTSBURG, Contra Costa Co., Cal. No. 448 E-Ninth Street.
Duplex dwelling.
Owner—Joseph Belleci, 4308 Black Diamond St. Pittsburg.
Architect—Not Given.
Contractor — Joseph H. Siino, 430 E-St., Pittsburg.

Plans Being Figured
RESIDENCE Cost, $25,000
WOODSIDE, San Mateo Co., Cal. Roy N. Bishop Estate.
Wood frame and brick residence (9 rooms, 4 baths) exterior finish of rough boards, redwood shake roof.
Owner—Lionel King, Woodside.
Architect—W. W. Wurster, 260 California St., San Francisco.
W. H. Weeden, 1458 State Highway, Menlo Park, is superintending construction. Grading of the site will start at once. Figures on portions of work to be sub-let will be taken by Mr. Weeden or Mr. Wurster.

Contract Awarded
RESIDENCE Cost, $2500
MENLO PARK, San Mateo Co., Cal.
Menlo Oaks Drive.
Addition of living quarters over garage.
Owner—Jack Kennedy, Menlo Oaks Drive, Menlo Park.
Architect—Not Given.
Contractor—W. F. Klay, 124 University Ave., Palo Alto.

Contract Awarded
RESIDENCE Cost, $10,000
FRESNO, Fresno Co., Cal. 1525 Echo Street.
Dwelling and garage.
Owner and Contractor—Taylor-Wheeler, Inc., 902 Power Bldg., Fresno.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $4,000
SAN FRANCISCO. Twenty-fifth Ave., near Ocean Ave.
Owner and Builder—M. A. Little Bldg. Co., 127 24th Avenue.
Architect—C. O. Clausen, 746 Forty-sixth Avenue.

Contract Awarded
RESIDENCE Cost, $4,000
SAN FRANCISCO. Twenty-fifth Ave. near Ocean Ave.
Owner and Builder—M. A. Little Bldg. Co., 127 24th Avenue.
Architect—C. O. Clausen, 746 Forty-sixth Avenue.

Sub-Contracts Awarded
RESIDENCE Cost, $5,000
OAKLAND, Alameda Co., Cal. 26 Ascot Court.
Two-story frame and stucco residence (six rooms).
Owner and Builder—F. W. Confer, 976 Keeler Ave., Berkeley.
Plans by Owner.
Following sub-contracts awarded:
Plumbing—Geo. F. Laff, 5300 Cole St., Oakland.
Heating—H. K. Flowers, 5437 Thomas St., Oakland.
Steel—Gleeson Steel Prod. Co., 63rd and Doyle, Emeryville.
Hardware—Maxwell Hdwe. Co., Addison and Shattuck Ave.
Tile—Rigney Tile Co., 3012 Harrison, Oakland.
Brick Work—Wilhelm Holst, 2827 Park St., Oakland.
Roofing—W. L. Rideout, 641 Central, Alameda.
Previously reported, lumber awarded to Tilden Lumber Co.; concrete to Joel A. Johnson; concrete materials, Golden Gate Stucco & Building Materials Co.

Contract Awarded.
RESIDENCE Cost, $3500
ORINDA, Contra Costa Co., Cal. Orinda County Club.
One-story residence.
Owner—Hacienda Homes, Inc.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor—G. Windsor, 928 Kingston Ave., Oakland.

Preparing Sketches.
RESIDENCE Cost, $10,000
SACRAMENTO COUNTY, near the City of Sacramento.
Two-story Monterey type ranch home.
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley.

Additional Sub-Contracts Awarded.
ALTERATIONS Cost, $12,500
PALO ALTO, Santa Clara Co., Calif. Campus of Stanford University.
Alterations to sorority house.
Owner—Kappa Alpha Theta Sorority.
Architect—John K. Branner, 210 Post St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Additional sub-contracts have been awarded as follows:
Millwork — Brannan Street Mill, 560 Brannan St., San Francisco.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Sheet Metal—Atlas Heating & Ventilating Co., 557 Fourth St., San Francisco.
Structural Steel — Mortensen Constr. Co., 19th and Indiana Sts., San Francisco.
Electrical — American Electric Co., 465 Bryant St., San Francisco.
Previously reported, lumber to Merner Lumber Co.; reinforcing steel to San Jose Hardware Co.

Plans Being Figured.
RESIDENCE Cost, $4000
SALINAS, Monterey Co., Cal. Chestnut Street.
One-story frame residence, shingle roof, floor furnaces.
Owner—Mr. Hoffman, Salinas.
Architect—Charles Butner, 51 Maple St., Salinas.
Plans have been given to a selected list of Salinas contractors. Figures will be received next week.

Contract Awarded.
RESIDENCE Cost, $9000
BERKELEY, Alameda Co., Cal. Panoramic Way.
Two-story eight-room residence.
Owner—R. J Darter, 2416 Durant Ave., Berkeley.
Architect—Not Given.
Contractor—Chris Hansen, 1500 Santa Clara Ave., Alameda.
Contractor is taking bids for roofing, gas hot air furnace, millwork, tile, etc.

Contract Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. Berkeley Highlands.
Two-story frame, stucco and brick veneer residence (6 rooms and 2 baths); shingle roof, gas heating system, hardwood floors, tiled baths.
Owner—F. H. Robbins.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor — W. A. Netherby, 3855 Lyman Road, Oakland.

Contract Awarded.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. Berkeley Highlands.
Two-story brick veneer residence.
Owner—Mason-McDuffy Co., 2101 Addison St., Berkeley.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor — W. A. Netherby, 3855 Lyman Road, Oakland.

Being Done By Day's Labor.
RESIDENCE Cost, $12,500
WALNUT CREEK, Contra Costa Co.
Two-story steel and brick residence, (steel joists and rafters; exterior and interior brick walls).
Owner—Earl Barnett.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Work is being done by day's labor under supervision of owner.

Contract Awarded.
RESIDENCE Cost, $3000
PALO ALTO, Santa Clara Co., Cal. No. 651 Cornell Street.
One-story frame residence.
Owner and Builder—A. Marshall, 305 College Ave., Palo Alto.

Contract Awarded.
RESIDENCE Cost, $3000
MENLO HEIGHTS, San Mateo Co.
One-story frame residence.
Owner—J. Manclus, Menlo Heights.
Architect—Not Given.
Contractor—L. E. Withgitt, 735 Cambridge Road, Redwood City.

15— SCHOOLS

Preparing Plans
SCHOOL Cost, $12,500
GERLACH, Washoe Co., Nevada.
Additon to Gerlach school.
Owner—Gerlach School District, Washoe County, Nevada.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno.
Federal Public Works Administration has allotted $12,500 loan and grant to Gerlach School District for construction of addition to school. J. C. Melody, clerk of Gerlach Board of School Trustees.

Preparing Plans
SCHOOL Cost, $20,000
LINCOLN COUNTY, Nevada.
High school building.
Owner—Alamo School District, Lincoln County, Nevada.
Architect—A. Worswick, Las Vegas, Nevada.
Federal Public Works Administration has allotted $20,000 loan and grant to Alamo School District for construction of the new building. John W. Richard, president, Alamo Board of School Trustees.

CONTRACT AWARDED
BUTTONWILLOW, Kern Co., Cal.—Virgil Young, 1115 Pacific St., Bakersfield, has been awarded a contract by the Buttonwillow Union School District for construction of a two-room addition to the Buttonwillow school. The cost is approximately $11-000. Architect Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.

CONTRACT AWARDED
TEHACHAPI, Kern Co., Cal.—Opperman and Kampe, 1327 Orange Dr., Bakersfield, at $38,681 awarded contract by Tehachapi Valley Union High School District for construction of an addition to the high school plant at Tehachapi. The addition will contain classrooms, shop and boiler room. Architect Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.

CONTRACT AWARDED
INYOKERN, Kern Co., Cal.—Pacific System Homes, 5800 S. Boyle Ave., Los Angeles, at $11,357 awarded contract by Indian Wells Valley Union School District for construction of a two-room addition to school building at Inyokern. Architect Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.

Bond Election
SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Cal.
One- and two-story wing addition to high school, reinforced concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
An election will be held August 21 on a proposal to vote $60,000 in bonds to finance the new building.

CONTRACT AWARDED
SAN PEDRO, Los Angeles Co., Cal.—Arthur Pinner, Jr., 116 W. 94th St., was awarded the contract at $29,497 by the Los Angeles board of education July 24 for the reconstruction, strengthening and rehabilitation of the Bandini Street hool, located on the

southwest corner of Oliver and Bandini Sts., San Pedro.

CONTRACT AWARDED

LOS ANGELES, Cal.—K. R. Bradley Const. Co., 1833 W. Pico Blvd., was awarded the contract at $84,518 by the Los Angeles board of education July 24 for the reconstruction rehabilitation and strengthening of the 75th Street school, located on 75th Street west of Main Street.

CONTRACT AWARDED

GLENDORA, Los Angeles Co., Cal. —Charles Mace, 946 San Gabriel Ave., Azusa, has been awarded a contract at $13,349.06 by the Citurs Union High School District for the erection of a new classroom building at the Citrus Union High School, west of Glendora. Plans were prepared by Architects John C. Austin and Frederic M. Ashley, 608 Chamber of Commerce Bldg., Los Angeles.

ENGINEERS APPOINTED

LOS ANGELES, Cal.—Los Angeles Board of Education has approved the appointment of structural and mechanical engineers to perform eervlces on the following school repair projects: Canoga Park elementary—C. G. DeSwarte, structural engineer; E. L. Ellingwood, mercanical engineer; Sumner M. Spaulding is the architect. Lankershim elementary—C. J. Derrick, structural engineer; Ralph E. Phillips, mechanical engineer; Newton & Murray are the architects. Virginia Road elementary—Blaine Noice, structural engineer; O. W. Ott, mechanical engineer; Robert H. Orr is the architect. Benjamin Franklin high school—Wm. Webb Koestner, structural engineer; Frank R. Schaefer is the architect. Van Nuys high school—F. N. Kopp, structural engineer; Allison & Allison are the architects. Garvanza elementary—Harold S. Webster, structural engineer; R. D. King is the architect. Vine Street elementary—C. E. Noerenberg, structural engineer; C. E. Noerenberg is the architect. Reseda elementary—S. B. Barnes, structural engineer; Douglas H. McLellan is the architect. The Palms eclementary—Paul E. Jeffers, structural engineer; Ralph E. Phillips, mechanical engineer; Earl T. Heitschmidt is the architect. Western Avenue elementary — Deuel & Schoeller, structural engineers; E. L. Ellingwood, mechanical engineer; Hunt & Chambers are the architects

CONTRACT AWARDED

SAN FRANCISCO.—W. G. Thompson, 336 Church Street, at $1,380 was awarded contract by Department of Public Works for exterior painting of Portola Junior High School, Bacon and Girard Streets.

CONTRACT AWARDED

SAN FRANCISCO.—John J. Murray, 35 Jersey Street, at $900.00 awarded contract by Department of Public Works for exterior painting of Douglas School, 19th and Collingwood Sts.

SUB-CONTRACT AWARDED

OAKLAND, Cal.—Kelly & Tulloch, 335 Eighth St., Oakland, have awarded a sub-contract for furnishing **Lumber** to the **Tilden Lumber Co.**, Foot of University Ave., Berkeley, for temporary buildings to be erected at Webster School site for the Oakland Board of Education. This sub-contract was previously reported incorrectly as awarded to another firm.

SUB-CONTRACTS AWARDED

OAKLAND, Cal.—Kelly & Tulloch, 335 Eighth St., Oakland, have awarded sub-contracts for portions of the work on temporary buildings being erected at Webster School site for the Oakland Board of Education as follows:

Millwork—Oakland Planing Mill, Inc., 105 Washington St., Oakland.
Roofing and Mastic—Bay Cities Asbestos Co., Ltd., 188 10th St., Oakland.
Plaster—Wm. Makin, 2141 Livingston St., Oakland.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Sheet Metal—Central Sheet Metal & Roofing Co., 3246 Ettie St., Oakland.
Glass and Glazing—East Bay Glass Co. 621 Sixth St., Oakland.
Plumbing—Max Finzel Plumbing Co., 2025 Hopkins St., Oakland.
Hardware—Maxwell Hdwe. Co., 14th and Washington Sts., Oakland.
Shades—D. N. & E. Walter, 562 Mission St., San Francisco.

CONTRACT AWARDED

SAN PEDRO, Los Angeles Co., Cal. —Arthur Pinner Jr., 116 W. 94th St., was awarded the contract at $29,497 by the Los Angeles Board of Education July 24 for the reconstruction, rehabilitation and strengthening of the Bandini Street School, located on the southwest corner of Oliver and Bandini Sts., San Pedro. Other bids were: Johnson, Hanson & Izer, $30,983; Campbell Constr. Co., $31,282; Harvey A. Nichols, $36,462; Atlas Construction Co., $37,000; R. J. Daum, $39,541. Plans were prepared by the architectural division of the board; A. S. Nibecker Jr., architect, and Structural Engineer Laurence J. Waller, 257 South Berando St.

CONTRACT AWARDED

MARTINEZ, Contra Costa Co., Cal —A. Van Heerden & Co., 6260 College Ave., Oakland, at $1091 awarded contract by Alhambra Union High School District for painting exterior of Alhambra Union High School and Gymnasium buildings in Martinez. Architect W. H. Weeks, 525 Market St., San Francisco, prepared specifications.

CONTRACT AWARDED

LOS ANGELES, Cal. — Herbert M. Baruch Corp., 625 S. Olive St., was awarded a contract at $70,986, July 26, by the Los Angeles Board of Education for reconstructing, rehabilitating and strengthening the Figueroa Street School, located on the southwest corner of 111th and Figueroa Sts. Plans were prepared by Parker O. Wright, architect, 911 Black Bldg., and David H. Merrill, structural engineer, 580 I. W. Hellman Building.

CONTRACT AWARDED

SAN FRANCISCO.—Anchor Post Fence Co., 460 Fifth Street, at $50.00 awarded contract by Department of Public Works for furnishing and installing screen guards on the second floor of the Old Hearst School building, Hermann and Fillmore Streets.

BIDS WANTED

BAKERSFIELD, Kern Co., Calif.—Until August 6, 7:30 P. M., bids will be received by Kern County Union High Srhool Board of Trustees at the Principal's Office, 1340 F Street, Bakersfield, for furnishing and installing (1) slate blackboard and cork carpet; (2) shades for classrooms now under construction.

Specifications obtainable at Principal's Office.

ARCHITECTS COMMISSIONED

LOS ANGELES, Calif. — Architects John Parkinson and Donald B. Parkinson, 808 Title Insurance Bldg., have been commissioned by the Los Angeles board of education to prepare working drawings and specifications, including preliminary plans, for an 18-unit new building replacement at the Lafayette junior high school, 1515 E. 14th St. Cost, estimated at $120,000.

Plans Being Figured—Bids Close Aug. 6, 8 P. M.

SCHOOL Cost, $15,000
DELANO, Kern Co., Calif.
One-story reinforced concrete music hall building for the Delano Joint Union High School District.
Owner—Delano Joint Union High School District.
Architect—Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.
Plans and specifications available from the architect on deposit of $10.

Preparing Plans

SCHOOL Cost, $15,000
WILLIAMS, Colusa Co., Calif.
Grammar school auditorium to replace building destroyed by fire.
Owner—Williams Grammar School District.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bond issue of $8,000 to be proposed at special election August 20 to complete financing. Insurance funds and PWA grant will supplement bond proceeds.

Planned

SCHOOL Cost, $25,000
LEGRAND, San Luis Ohispo Co., Cal.
Auditorium and gymnasium addition to Le Grand High School.
Owner—Le Grand High School Dist.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bond issue of $17,500 recently voted by district will be supplemented by PWA grant of $7200, school directors have been advised.

Bids Wanted—To Close August 16, 7:30 P. M.

SCHOOL Cost, $100,000
PALO ALTO, Santa Clara Co., Calif.
Reconstruction and repairs to Administration Building and Auditorium Building of the Palo Alto High School (reconstruction of reinforced concrete auditorium and repairs and improvements of frame administration building).
Owner—Palo Alto High School Dist.
Architect—Birge M. Clark, and David B. Clark, 310 University Avenue, Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Bids will be received for a general contract for reconstruction of the two buildings as specified, with alternates. Plans and specifications obtainable from architect on deposit of $10.00.

Bids Wanted—Close Aug. 14, 10 A. M.

SCHOOL Cost, $——
YUBA COUNTY, Calif. Four miles south of Marysville.
One-story frame addition to building of Ella Elementary School Dist.
Owner—Ella Elementary School Dist. Yuba County.
Architect—Not Given.
Specifications on file with Superintendent of Schools, Marysville. H. A. Sutfin, clerk of the Board of Trustees of Ella Elementary School District.

Plans Completed

SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Calif.
One - story reinforced concrete elementary school bldg. (6 classrooms and auditorium to seat 250) flat roof. steam heating system, vacuum system, etc.
Owner—Wheatland Elementary School District.

Architect — George Sellon, California State Life Bldg., Sacramento.

Excavation is being done by day labor furnished by SERA. Bids on contract for building probably will be asked in about thirty days.

ARCHITECT COMMISSIONED

LOS ANGELES, Cal.—Architect C. M. Winslow, 1001 Architects Bldg., has been commissioned by the Los Angeles board of education to prepare working drawings and specifications, including preliminary plans, for a 30-unit new building replacement at the Miramonte school site, 1400 E. 68th St. Cost estimated at $195,000.

Bids Wanted — Close August 13, 8 P. M.

SCHOOL Cost, $15,000
CLARKSBURG, Yolo Co., Cal.
One-story frame shop building (concrete floor).
Owner — Clarksburg Union High School District, Clarksburg.
Architect — H. J. Devine, California State Life Bldg., Sacramento.

Bids were received July 14 and rejected. Low bid was submitted by Charles Unger, 2426 7th Ave., Sacramento, at $14,182.

Plans and specifications on file with Secretary of the Board of Trustees, Mabel H. Heringer, Clarksburg, and obtainable from the Architect on deposit of $10.

Bids Wanted—To Close August 15, 8 P. M.

SCHOOL Cost, $9000
DUNNIGAN, Yolo Co., Cal.
One-story wood frame grammar school
Owner—Dunnigan School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.

Plans and specifications obtainable from the Architect on deposit of $15.

Sub-Contracts Awarded.

SCHOOL Cost, $11,514
ALBANY, Alameda Co., Cal.
Construction of reinforced concrete basement up to first floor line with concrete floor slabs and temporary roof.
Owner—Albany School District.
Architect—Dragon & Schmidts, 3016 Telegraph Ave., Berkeley.
Contractor — C. M. Norgrove, 2220 Roosevelt St., Berkeley.
Sub-contracts awarded as follows:
Lumber—Hill Lumber & Hardware Co., Brighton and Alamo Sts., Albany.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Concrete—Schnoor Bros., 6016 Claremont Ave., Berkeley.
Dampproofing—Guy Tyler, 353 Tenth St., Oakland.
Fenestra Sash — Gleason Products Co., Emeryville.

Preliminary Plans Approved.

SCHOOL Cost, $173,276
SAN FRANCISCO. Schwerin Street between Visitacion and Leland Sts. (Visitacion Valley School).
Complete school unit, 17 rooms, library, auditorium, kindergarten and auditorium detached.
Owner—City & County of San Francisco.
Architect — Hyman & Appleton, 68 Post St. and G. Albert Lansburgh 140 Montgomery St.
Mechanical Engineers — Leland and Haley, 58 Sutter St., San Francisco.

Preliminary plans have been approved. Further details will be announced shortly.

Engineers Appointed.

SCHOOL Cost, $173,276
SAN FRANCISCO. Thirtieth Ave., between Kirkham and Lawton Streets.
Lawton School. Complete unit, 12-rooms, library and auditorium.
Owner—City & County of San Francisco.
Architect—Dodge Riedy, Pacific Bldg. and Charles E. J. Rogers Phelan Bldg., San Francisco.
Structural Engineer—Hyman Rosenthal, 821 Market St., San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market St.

Preliminary plans have been approved.

LOW BIDDER

BELLFLOWER, Los Angeles Co., Cal.—C. Haverlandt, 1625 E. Fifth St., Long Beach, submitted low bid July 31 to the Board of Public Building Reconstruction, at $24,680, for reconstructing the Los Flores School for the Bellflower School District. Allen Trust & Son, 211 N. Main St., Santa Ana, snubmitted the low bid on electric wiring at $1384. Plans were prepared by Architects W. Horace Austin & Harold C. Wildman, Spurgin Bldg., Santa Ana.

CONTRACTS AWARDED

TORRANCE, Los Angeles Co., Cal.—R. E. Campbell, 108 W. 6th St., has been awarded a contract at $85,780 by the Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of the Torrance High School, located at Carson St. and El Prado, Torrance. Mr. Campbell submitted the following list of subcontractors with his bid: Painting to Harry Wasserman at $830; electric wiring to Bennett & Taylor, at $978; plastering to Geo. Fusco, at $2300; roofing to Metropolitan Roof Co., at $820; sheet metal to Emil Brown, at $559. Plans were prepared by Architects William Richards and Wesley Eager, 802 Architects' Bldg., and Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg.

CONTRACTS AWARDED

RED BLUFF, Tehama Co., Cal.—Liston Ehorn, 744 Hickory St., Red Bluff, at $2500 awarded contract by Red Bluff Grammar School District for finishing interior of the auditorium and stage at the Lincoln Grammar School. Allen & Allen, Red Bluff, at $1598 awarded contract for installing heating system.

Architects P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.

ARCHITECTS COMMISSIONED

SEATTLE, Wash. — University of Washington Board of Regents has commissioned Architects Bebb & Gould, Hoge Bldg., Seattle, to act as supervising architectts for all construction.

Architects David Myers, Central Bldg., and John Graham, Dexter Horton Bldg., Seattle, have been retained to prepare plans for a dormitory to accommodate 300 and to cost $600,000.

Architects A. H. Albertson and associates, Northern Life Tower, Seattle, have been retained to prepare plans for four-story infirmary for 105 patients to cost $200,000.

Engineer George H. Krueger, 3823 Forty-seventh, N. E., will be in charge of power house construction to cost $142,000.

All work is financed by PWA allotments.

CONTRACT AWARDED

SOUTH GATE, Los Angeles Co., Cal.—Arthur Pinner Jr., 116 W. 94th St., Los Angeles, was awarded a contract at $28,904 by the Los Angeles Board of Education July 26, for the reconstruction, rehabilitation, and strengthening of the San Gabriel Avenue School, located south of Ardmore Ave., South Gate. Plans were prepared by W. M. Bostock, structural engineer, and the architectural division of the board; A. S. Nibecker Jr., architect.

16—BANKS, STORES AND OFFICES

Sub-Contracts Awarded

STORE ALTERATIONS Cost, $1500
BERKELEY, Alameda Co., Calif. 2161 Center Street.
Alterations to two-story store and loft building.
Owner—University of California.
Architect—Dragon and Schmidts, 3016 Telegraph Ave., Berkeley.
Contractor—C. M. Norgrove, 2220 Roosevelt St., Berkeley.
Sub-contracts awarded as follows:
Millwork—Clinton Mill & Lumber Co., 701 Fourth Ave., Oakland.
Plastering—H. A. Thorndike, 2450 E. 21st St., Oakland.
Sheet Metal—F. L. Zorzie, 433 Ocean View, Oakland.
Painting—R. C. McRice, 2604 26th Ave., Oakland.
Concrete—Schnoor Bros., 6016 Claremont Ave., Oakland.
Roofing—Guy Tyler, 363 Tenth Street, Oakland.
(4946) 16

PLANS BEING FIGURED

RIVERSIDE, Cal.—Until August 13, bids will be received by Montgomery Ward & Co., Engineering Department, 2825 E-Fourteeth St., Oakland, on contract for alterations to three-story and basement store building in Riverside. Building is to be ocupied jointly by Montgomery Ward & Co. and Reynolds Department Store. Plans have been forwarded to a selected list of contractors.

Contract Awarded

ALTER STORE Cost, $2950
SAN FRANCISCO. 904-906 Market St.
Alterations to store.
Owner—Macey Jewelry Co., 904 Market Street.
Architect—Not Given.
Contractor—Fink and Schindler, 552 Brannan Street.

Contract Awarded.

STORE Cost, $2400
MENLO PARK, San Mateo Co., Cal. El Camino Real.
Alterations to store.
Owner and Builder—Carlo Ferrando, Menlo Park.

Contract Awarded.

STORE Cost, $3000
PALO ALTO, Santa Clara Co., Cal. No. 2201 El Camino Real.
Alterations to store.
Owner—H. F. Ramacciotti.
Architect—Not Given.
Contractor—E. Anderson & Son, Mt. View.

Contract Awarded

BANK Cost, $10,000
STOCKTON, San Joaquin Co., Calif. 233-37 East Weber Avenue.
Remodel and modernize store building. Second floor will be removed and a modern front installed. Building is to be fitted as headquarters for the State Building and Loan Association.
Owner—State Building and Loan Association, 18 N. San Joaquin St., Stockton.
Architect—Glen Allen, 412 E. Market St., Stockton.
Contractor—Lewis & Green, Post Office Box 121, Stockton.

Sub-Contracts Awarded.
STORE Cost, $——
OAKLAND, Alameda Co., Cal. 4th and Jackson Streets.
Alterations to two-story store and loft building.
Owner—Safeway Stores, Inc.
Architect—Not Given.
Contractor—Elmer Stearman, 829 31st St., Oakland.
Sub-contracts awarded as follows:
Plastering—T. D. Sexton, 864 Mandana Blvd., Oakland.
Brick—Knudsen & Villiers.
Painting—R. A. DeBow, 3905 Lyman Road, Oakland.
Glass — East Bay Glass Co., 621 6th St., Oakland.
Linoleum—The Venor Co., 2059 Webster St., Oakland.
Millwork—Zenith Mill & Lumber Co. 2101 E-12th St., Oakland.
Electric—T. L. Rosenberg, 411 Webster St., Oakland.

Contract Awarded.
REMODELING Cost, $1500
SAN FRANCISCO. No. 2231 Chestnut Street.
Remodeling front of one-story frame store building to provide two entrances.
Owner — Martin Stelling Jr., 155 Montgomery St., San Francisco.
Architect—Bertz, Winter & Maury, Monadnock Bldg., San Francisco.
Contractor—P. Sartorio, 681 Market St., San Francisco.

17— THEATRES

Plans Being Figured.
THEATRE Cost, $50,000
MODESTO, Stanislaus Co., Cal.
Two-story reinforced concrete theatre and store building (stadium type) to seat 900 people, two stores, wood roof trusses, composition roof, pine and concrete floors, plate glass, tile toilets, ventilating system, marquise, tile and marble bulkheads, etc.
Owner—Redwood Theatres, 25 Taylor St., San Francisco.
Architect—S. Charles Lee, 2400 W. 7th St., Los Angeles.
Ernest Green, P. O. Box 624, Modesto, is figuring plans and desires sub-bids on all portions of the work.

Sub-Contracts Awarded
THEATRE Cost, $50,000
PITTSBURG, Contra Costa Co., Cal. Tenth Street.
One-story (62x125 feet) and balcony steel frame and reinforced concrete theatre to seat 1000; composition roof, steam heating system.
Owner—Sylvester and Salvatore Enea, Pittsburg.
Architect—F. F. Amandes, 1879 Sixteenth Ave., San Francisco.
Structural Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—Horace J. Silno, 710 Black Diamond St., Pittsburg.
Sub-contracts awarded as follows:
Structural Steel—Herrick Iron Works, 13th and Campbell Sts., Oakland.
Concrete—J. H. Fitzmaurice, 354 Hobart St., Oakland.
Sheet Metal—Central Sheet Metal and Roofing Co., 3246 Ettle St., Oakland.
Heating—C. R. Watts, 1309 Walnut St., Berkeley.
(4449) 1st report May 8; 6th, July 6, 1934. 17

CONTRACT AWARDED
LOS ANGELES, Cal. — Monolith Constr. Co., 169 N. La Brea Ave., Los Angeles, has been awarded a contract for the erection of a park-in theatre on Pico Blvd., near the Fox studios, for a company now in process of organization. The contract includes excavating and electric wiring. Improvements will include a stage 100 feet in length, a screen 37x50 feet, and a projection room. An automobile parking area, 500x600 feet, will be provided, to be enclosed by a wood frame and plaster fence. C. A. Balch, 1914 S. Vermont Ave., is the architect.

18— WHARVES & DOCKS

Contract Awarded
WHARF & SHED Cost, $633,600
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf (1740 ft. in length) wood piling, transit shed in four continuous units to contain 180,000 sq. ft. of floor space; steel frame and sheet metal siding, built-up roof, elevators, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Department of Owner (Col. B. C. Allin, Port Director, City Hall).
Contractor—Robert E. McKee, 108 W. Sixth St., Los Angeles.
Low bid submitted by Robert E. McKee at $587,600 (untreated piling) and at $633,600 (creosoted piling), the latter being selected for award by Port Commission. Final award will depend upon PWA concurrence.
Bids were taken as follows:
(1) construction of wharf and sheds, 5, 6, 7 and 8, railroad, water system, drainage, complete using untreated timber pile;
(2) construction complete, same as item 1, except using creosoted timber pile;
(3) construction complete, same as item 1, except using Redwood roof deck instead of fir;
(4) same as item 2, except using Redwood roof deck instead of fir;
(5) deduct if one elevator is eliminated;
(6) deduct if two elevators are eliminated;
(7) add if under side of roof is painted instead of using washable calcimine;
(8) excavation of 11,000 c.y., per c.y. and total;
(9) placing 8,000 tons riprap, per ton, and total;
(10) add for extending columns to satisfactory bearing approx. 200 l.f., per foot per column, and total.
Complete bids follow:

Robt. E. McKee, L. A.	(1)		$587,600.00
	(2)		633,600.00
	(3)		589,800.00
	(4)		636,300.00
	(5)		8,100.00
	(6)		16,200.00
	(7)		1,700.00
	(8)	$.30	3,300.00
	(9)	1.80	14,400.00
	(10)	2.75	550.00
Barrett & Hilp, S. F.	(1)		$621,974.00
	(2)		673,474.00
	(3)		623,774.00
	(4)		675,274.00
	(5)		8,200.00
	(6)		16,400.00
	(7)		1,391.00
	(8)	.40	4,400.00
	(9)	2.00	16,000.00
	(10)	12.00	2,400.00
MacDonald & Kahn and M. B. McGowan, S. F.	(1)		$652,256.00
	(2)		699,332.00
	(3)		654,291.00
	(4)		701,367.00
	(5)		7,725.00
	(6)		15,450.00
	(7)		1,035.00
	(8)	.25	2,750.00
	(9)	1.70	13,600.00
	(10)	3.50	700.00
Duncanson - Harrelson Co. San Francisco	(1)		$666,979.00
	(2)		727,395.00
	(3)		669,489.00
	(4)		729,905.00
	(5)		8,795.00
	(6)		17,590.00
	(7)		1,155.00
	(8)	.225	2,475.00
	(9)	1.90	15,200.00
	(10)	5.00	1,000.00
M. J. Bevanda and Clyde Wood, Stockton	(1)		$669,500.00
	(2)		724,500.00
	(3)		672,250.00
	(4)		727,250.00
	(5)		7,500.00
	(6)		15,000.00
	(7)		1,035.00
	(8)	.20	2,200.00
	(9)	2.00	16,000.00
	(10)	2.50	500.00
Bridge Builders, Inc., San Francisco	(1)		$689,300.00
	(2)		739,300.00
	(3)		693,300.00
	(4)		743,300.00
	(5)		8,000.00
	(6)		17,000.00
	(7)		1,100.00
	(8)	.25	2,750.00
	(9)	2.00	16,000.00
	(10)	5.00	1,000.00

August 1, 1934

CONTRACT AWARDED
ALAMEDA, Alameda Co., Cal.—Ben C. Gerwick, Inc., 112 Market St., San Francisco, has been awarded a contract by the Santa Fe Railway Co. for reconstruction of the car loading slip at the foot of St. Charles Street, Alameda, damaged by fire recently. The contract includes replacement of piling, etc. Hoisting machinery is being installed by the company's forces.

CONTEMPLATED
SANTA CRUZ, Santa Cruz Co., Cal. —Improvements to the municipal wharf to cost $60,000 are recommended by Wharfinger D. M. McPhetres in his annual report to the city council. Work contemplated includes replacement of deck structure estimated at $45,000, fender piling and foundation piling replacement costig $3800 and 16-foot extension on west side, including moving of buildings, estimated at $12,000.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO. — General Engineering and Dry Dock Corp. at $1,130 awarded contract by Board of Fire Commissioners, San Francisco, for dry - docking, inspection survey and painting the hull of Fire Boat "David Scannell."

Preliminary Survey.
EXPOSITION BLDGS. Cost, $——
SAN FRANCISCO.
Preliminary survey of suggested sites and building cost estimates have been submitted to Exposition Corporation.
Owner—San Francisco Bay Exposition, 818 Financial Center Bldg.
Architects — George Kelham, 315 Montgomery St., and W. P. Day, Financial Center Bldg.
Development of an exposition site on shoal lands north of and adjoining Yerba Buena Island by filling and grading has been studied tentatively by the architects. Officials of the Exposition Corporation are: Chairman of the Board Atholl McBean; President, Leland W. Cutler; Vice-president, B. B. Meek; Treasurer, John F. Forbes; Secretary Col. Allen G. Wright.

CONTRACT AWARDED
NEVADA CITY, Cal. — Tredennick & Ross, 323 Clay St., Nevada City, at $2310 awarded contract by Nevada

City Council, for erecting bath houses at the Nevada City swimming pool. Contract includes furnishing of steel lockers.

BIDS WANTED

SAN FRANCISCO.—Until August 8, 2:30 P. M., new bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Streets. All bids received July 13 have been rejected.

On the previous opening, Eaton & Smith, 715 Ocean Avenue, were low bidders at $42,131. Complete tabulation of unit bids published July 14.

The work involves:

(1) 2,818 l.f. recondition exit. stand. gage tracks;
(2) 213 l.f. construction of spur track
(3) electrical work, complete, lump sum;
(4a) 500 c.y. compacted subgrade macadam;
(4b) 26,222 sq. ft. 3-in. asph. concrete wearing surface;
(4c) 5,000 l.f. 3x3-in. pine headers;
(5a) 204,000 sq. ft. clean and paint exterior surface of pipe;
(5b) 200,000 sq. ft. clean interior surface of pipe;
(6a) 21,700 sq. ft. clean and paint exterior surface of specials;
(6b) 21,000 sq. ft. clean interior surface of specials;
(7) general conditioning of testing plant machinery and equipment;
(8) 1,000 l.f. construct testing racks
(9) overhead I beam, lump sum;
(10) repair of building, lump sum;
(11) removal of sheds, lump sum;
(12a) 250,000 sq. ft. grading of yard area;
(12b) 4,000 l.f. construction of yard ditches;
(13a) two construct temporary catch-basins;
(13b) 1,650 l.f. laying 10-in. cast iron pipe drain;
(13c) 350 l.f. drainage ditches;
(14) repair of cesspool, lump sum;
(15) water surf. and plumbing, lump sum;
(16) removal of debris, lump sum;
(17) work on 15-ton crane, lump sum;
(18) wrk on small crane, lump sum;
(19a) 70 MBM select Uo. 2 common Douglas fir;
(19b) 203 MBM average No. 2 do;
(19c) 38,920 l.f. base skids;
(19d) 2,000 lbs. 40 penny nails;
(19e) 600 lbs. 20 penny nails;
(19f) 500 lbs. 10 penny nails;
(20a) 1,000 l.f. rough pine fence;
(20b) 4 rough pine gates with hardware.

Plans and specifications, which remain unchanged, are obtainable from City Engineer John J. Casey upon deposit of $10.00.

BIDS OPENED

SAN FRANCISCO. — John Twiggs Sons, at $1,000 submitted low bid to T. A. Brooks, Purchaser of Supplies, for furnishing one 20- to 21-foot launch for the San Francisco Water Department under Bid No. 1241. Other bids were: Anderson & Cristofani, $1275; George W. Kneass Co., $1350.

BIDS WANTED

BAKERSFIELD, Kern Co., Calif.—Until August 13, 11 A. M., bids will be received by the Kern County Board of Supervisors, Court House, Bakersfield, for construction of bleachers at the Kern County Fair Grounds. Specifications obtainable from the county surveyor.

PROSPECTIVE BIDDERS

SAN DIEGO, Cal.—Following have procured plans and specifications for constructing sewers, water and gas lines and electrical ducts, cables, etc., at the Naval Operating Base, San Diego, under Spec. No. 7425, for which bids will be opened August 22, 11 A. M., by the Bureau of Yards & Docks, Navy Dept., Washington, D. C., as previously reported:

General Electric Co., 1 River Road, Schnectady, N. Y.

Allis-Chalmers Mfg. Co., Washington, D. C.

FUNDS ALLOTTED

MARTINEZ, Contra Costa Co., Cal.—Federal Public Works Administration has allotted $50,000 loan and grant to city of Martinez for construction of a municipal yacht harbor. Architect E. Geoffrey Bangs, 411 Thirtieth St., Oakland, has prepared preliminary studies of the project, contemplating a U-shaped harbor at end of 675-foot extension to present municipal wharf.

BIDS WANTED

SAN DIEGO, Cal.—Until August 16, 11 A. M., bids will be received by the Public Works Officer, Headquarters, 11th Naval District, Foot of Broadway, San Diego, under Spec. No. 7768, for brick setting for two existing boilers at the Naval Operating Base (Fuel Depot), San Diego.

Work consists of removal of existing battery setting and furnishing and installing new brick setting, and miscellaneous steam, water and draft measuring equipment, including small changes in existing concrete foundations of setting, new boiler baffles, and other miscellaneous work and appurtenances.

Specifications obtainable from the above office upon deposit of $10.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Cal.—Rhodes & Jamieson, Ltd., Standard and Webster Sts., Oakland, at $16,110 awarded contract by the East Bay Municipal Utility District for furnishing 2700 tons of fine concrete aggregate and 6500 tons of coarse concrete aggregate under Proposal No. 549.

CONTRACTS AWARDED

SAN FRANCISCO.—Following is a complete list of contracts awarded by T. A. Brooks, Purchaser of Supplies, for furnishing school furniture under bids for items described below:

(1) 300 chairs, tablet, arm, 18-inches in height;
(2) 500 chairs, library, 18-inches;
(3) 400 chairs, assembly folding, in sets of two;
(4) six chairs, swivel, full quartered oak, without arms;
(5) 500 chairs, primary, 14-inch., improved Mosher type;
(6) 100 desks, flat top, single pedestal
(7) 550 stools, maple, braced with 4 metal rods (a) 200 stools, 18-inches; (b) 100 stools, 24-inches; (c) 250 stools, 30-inches;
(8) 100 teachers' tables;
(9) 100 typewriter tables;
(10) 1000 table tops, primary tables.

Heywood-Wakefield Co.	(1)	$ 4.60
	(3)	3.56
Fred E. Turner Co.	(2)	2.97
Rucker Fuller Co.	(4)	8.35
American Seating Co.	(5)	0.97
	(7a)	1.25
	(7b)	1.48
	(7c)	1.69
J. W. Fricke Co.	(6)	22.00
Royal Showcase Co.	(8)	6.00
	(9)	2.75
R. Brandlein	(10)	1.20

CONTRACT AWARDED

SAN FRANCISCO — The Paraffine Companies, Inc., at $1792.98 awarded contract by T. A. Brooks, Purchasing Agent, for furnishing 1620 gallons of paint for Kezar Stadium under Bid No. 1238 (SERA).

BIDS REJECTED

OAKLAND, Cal. — Oakland City Council has rejected all bids received for supplying ethyl gasoline and will purchase in the open market.

BIDS OPENED

LOS ANGELES, Cal.—Identical bids at $2.5525 per bbl., total, $14,700, were received by the Los Angeles County Board of Supervisors, July 30, for furnishing 6000 bbls. Portland cement to be used in connection with a conduit to be constructed in Ballona Creek, between La Brea Ave. and Redondo Blvd. The bidders were: Monolith Portland Cement Co.; Southwestern Portland Co.; Riverside Cement Co.; Blue Diamond Co., and California Portland Cement Co.

BIDS OPENED

LOS ANGELES, Cal.—Identical bids at $21,421.25 for furnishing approximately 750,940 lbs. reinforcing steel to be used in connection with a conduit to be constructed in Ballona Creek, between La Brea Ave. and Redondo Blvd., were received by the Los Angeles County Board of Supervisors, July 30, from the following: J. W. Black Co., Ltd.; Graham Bros.; Truscon Steel Co.; Concrete Engineering Co.; Soule Steel Co.; Blue Diamond Co.; Pacific Coast Steel Co.; Los Angeles Iron & Steel Co., and Patten-Blinn Lumber Co.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by the U. S. Forest Service, 751 S. Figueroa Street, Los Angeles, July 31, for furnishing poles under Bid No. D.F.M. 400:

Graybar Electric Co. (f.o.b. Texana), (1) 750 20-ft. poles, $1597.50; (2) 200 25-ft. poles, $588; (3) 100 30-ft. poles, $375.

Charles R. McCormack Co. (f.o.b. St. Helens, Oregon), (1) $2587.50; (2) $870; (3) $600.

Joslyn Co. (fo.b. Wingfield, Oregon), (1) $1725; (2) $600; (3) $420.

Pan Pacific Piling Co. (f.o.b. Wilmington), (1) $2737.50; (2) $940; (3) $590.

J. H. Baxter (f.o.b. Long Beach), (1) $3262.50; (2) $1150; (3) no bid.

Consolidated Lumber Co. (f.o.b. Seattle), (1) $2400; (2) $850; (3) $525.

Neidmeyer-Martin Lumber Co (f.o.b. Seattle), (1) $2175; (2) $740; (3) $520; also (f.o.b. New Orleans or Galveston), (1) $1950; (2) $740; (3) $460.

Texas Creosoting Co. (f.o.b. Orange, Texas), (1) $1800; (2) $666; (3) $441.

BIDS OPENED

LA MESA, Cal.—Following bids received by the La Mesa Spring Valle, and Lemon Grove Irrigation District, La Mesa, July 28, for furnishing 3000 feet 24-in. electrically welded slip joint pipe, 3/16-in. thickness:

Southern Pipe & Casing Co., $2.03 ft., alternate bid, pipe with circumferential seam; couplings, $39.85; lugs, $0.49 each.

American Pipe & Steel Co., Alhambra $2.07 ft., alternate for smaller sheets; couplings, $49.12; lugs, $0.42 each.

Consolidated Steel Corp., $2.37; $2.34 from stock; couplings, $30; lugs, $0.49 each.

Western Pipe & Steel Co., $2.42 ft.; couplings, $31; lugs, $0.50 each.

Western Metals Co., Couplings, $53.10

All bids held under advisement until August 7.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

NAVY DEPARTMENT

SAN DIEGO, Cal.—Until August 9, 11 A. M., bids will be received by the Public Works Officer, Headquarters, 11th Naval District, foot of Broadway, San Diego, under Spec. No 7.763, for overhauling buoy at Los Angeles Harbor (Berth A-1), San Pedro.

The work consists of (a) lifting and holding the buoy a sufficient height above the water to permit the overhaul of the buoy without disconnecting the anchorage chain; (b) determining the location of slow leaks and caulking or otherwise repairing them; and (c) cleaning and painting the exterior and interior surfaces of the buoy. The Government will furnish the paint materials.

Specifications obtainable from the above office upon deposit of $10.00.

Lieut.-Comdr. G. D. Wetsel, Acting Public Works Officer.

WASHINGTON, D. C. — Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies, materials, and equipment, as follows:

PIPE, brass and copper, and tubing; East and West Yards. Sch. 2969; August 7.

AMBULANCE, motor; San Diego. Sch. 2989; August 7.

STEEL, corrosion - resisting bar; Mare Island. Sch. 2990; August 10.

HOSE, flexible discharge, 200; Mare Island. Sch. 2991; August 16.

SKINS, chamois, approximately 11,000; East and West Yards. Sch. 2992; August 10.

SPRINGS, fabric; 200, San Diego; 1565, Mare Island; 19,400 spare parts for springs and 300 open box springs; Mare Island. Sch. 2994; August 10.

MACHINES, vegetable cubing and slicing, 7, Mare Island. Sch. 3016 August 14.

PIPE, copper, 1140 ft.; East and West Yards. Sch. 3013;August 14.

STEEL, medium bar rivet; East and West Yards. Sch 3018; August 14.

ALLOY, aluminum, sheet, bar, and aluminum ingot; East and West Yards. Sch. 3015; August 14.

METAL, galvanized steel expanded; East and West Yards. Sch. 3019; August 14.

ALLOY, copper-nickel; East & West Yards. Sch. 3022; August 14.

RODS, welding; East & West Yards. Sch. 3014; August 14.

GASOLINE, motor, and motor-fuel V; West Coast. Sch. 2987; Aug. 17.

GASOLINE, domestic aviation; West Coast. Sch. 2986; August 17.

KETTLES, 8 aluminum or corrosion-resisting steel steam-jacketed kettles, 20-gal.; 10 do. 60-gal.; Mare Island. Sch. 3020; August 17

ELECTRODES, welding; East and West Yards. Sch. 3021; August 17.

STEEL, corrosion-resisting, bar and sheet; Mare Island. Sch. 3023; August 17.

IRON, foundry pig, 400 tons; Mare Island and Puget Sound. Sch. 3024; August 17.

HOUSES, deck; decks; platforms, gun; masts; yards; spares, ladders, inclined, etc.; East & West Yards. Sch. 3005; August 21.

OIL, naval fuel, and fuel oil for diesel engines; West Coast. Sch. 3026; August 24.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until August 10, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2985, for furnishing miscellaneous supplies and equipment, including: Galvanized corrugated roofing; iron straps; steel channel; roofing copper; concrete-reinforcement bars; sheet copper; aluminum; pig iron; license tags; electric fan; dry cells rubber tape; range boilers; sanitary fixtures; tackle blocks; snatch blocks; barbed wire; phosphor bronze and silicon bronze wire; copper nails; steel foundry nails; pipe clamps; power hacksaw; reamers (1 set, expansion type); wagon umbrellas; rubber air hose; bicycle tires and tubes; calcimine; flake graphite; blue paint pigment; raw sienna; turpentine, braided cotton line; hair felt; and soldering paste.

Specifications obtainable from the above office and from the office of the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

WAR DEPARTMENT

FORT MASON, San Francisco.—Until August 20, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Schedule No. 928-35-24, for furnishing 33 steel nurses' beds, 33 steel dressers, 33 steel nurses' desks, and 33 steel night tables.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until August 7, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1104, for furnishing cutting edges as follows:

(1) 20 cutting edges for Isaacson trail builder.
(2) 60 cutting edges for La Plant-Choate trail builder.
(3) 12 cutting edges for Master trail builder.
(4) 2 cutting edges for Wooldbridge trail builder.
(5) 50 cutting edges for Wooldridge trail builder.

Specifications obtainable from above office.

SAN MATEO COUNTY

SAN MATEO COUNTY, Cal.—Until August 8, 12 M., bids will be received by H. H. Werder, San Mateo County Purchasing Agent, for the rental of one 1 cu. yd. Power Shovel, crawler type, and operators.

Specifications obtainable from the above office.

James S. James, County Engineer.

SAN FRANCISCO CITY

SAN FRANCISCO — Until August 10, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1247, for furnishing ambulance body and auto truck bodies for the Health Department.

Specifications obtainable from the above office.

U. S. INDIAN SERVICE

LOS ANGELES, Cal.—Until August 15, 10 A. M., bids will be received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for furnishing four internal combustion engines and accessories, for irrigation ad drainage pumping plants, Colorado River Indian Reservation, Ariz. Spec. No. F. P. 263, and plans obtainable from above office.

RECLAMATION SERVICE

BOULDER CANYON, Nevada—Until August 20, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 623-D, for furnishing:

(1) 4 flow meters for measuring flow of water through 115,000 hp. hydraulic turbines, with 1 portable indicating manometer, 1 water manometer, and 1 tool cabinet.
(2) 1 flow meter for measuring flow of water through a 55,000 hp. hydraulic turbine, with 1 portable indicating manometer, 1 water manometer, and 1 tool cabinet.

Specifications obtainable from the above office.

OAKLAND CITY

OAKLAND, Cal.—Until August 14, 4 P. M., bids will be received by the Oakland Board of Education, Room 104, Administration Bldg., Oakland, for furnishing paint materials under Schedule No. 12-A. Specifications obtainable from Director of Purchasing, Room 115, Administration Bldg.

MARIN COUNTY

TOMALES, Marin Co., Cal.—Until August 16, 12 M., bids will be received by the Board of Trustees of the Tomales Joint Union High School District, at Tomales Joint Union High School, for furnishing one school bus with a maximum capacity of 40 high school students. No bids in excess of $2500 will be considered.

Specifications obtainable from above office. Russell L. Smith, Clerk of the Board.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until August 24, 2 P. M. (date extended from August 3), bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, for 16 287,000-volt, motor - operated, disconnect switches under Spec. No. 1454.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BID CALL CANCELLED

SAN FRANCISCO—The State Highway Commission, Sacramento, has announced cancellation of a call for bids to have been opened August 1, 2 P. M., by the Department of Public Works, San Francisco - Oakland Bay Bridge, Room 811, 500 Sansome St., San Francisco, for the final field painting of all steel superstructure, including cables and attachments of the west and east bay crossings of the San Francisco-Oakland Bay Bridge.

The project will be re-advertised.

CONTRACT AWARDED

GOVERNMENT ISLAND, Oakland, Cal.—Judson-Pacific Co., 609 Mission St., San Francisco, at $512.00 awarded contract by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid No. 1069 for furnishing and fabricating all the structural steel for one bridge, consisting of two 30-ft. skew beam spans, for the Bear Creek bridge, Klamath National Forest.

BIDS OPENED

LOS ANGELES, Cal.—United Concrete Pipe Co., 1347 W. 208th St., Los Angeles, at $30,319 (Proposal 1) and $29,924 (Proposal 2) submitted low bids to the Los Angeles County Bd. of Supervisors, July 30, for the construction of a reinforced concrete conduit on Ballona Creek, between La Brea Ave. and Redondo Blvd.

Complete bids follow:

(1) Subject to delivery of cement and admixture f.o.b. R. R. cars at Vineyard Siding;

(2) Subject to delivery of cement and admixture f.o.b. trucks at site of work.

United Concrete Pipe Co., Los Angeles, (1) $30,319; (2) $29,924.

O'Neal & Son, Los Angeles, (1) $30,-296; (2) $30,521.

Parish Bros., Hollywood, (1) $31,-869.80; (2) $31,277.30.

John Oberg, Los Angeles, (1) $32,170; (2) $31,775.

C. F. Robbins, (1) $32,565; (2) $31,-972.50.

R. A. Wattson, Los Angeles, (1) $35,-788; (2) $35,235.

George Hess, Los Angeles, (1) $37,-855; (2) $37,460.

Oscar Oberg, Los Angeles, $44,563; (2) $43,970.50.

I. M. Baruch Corp., Ltd., Los Angeles, (1) $43,478.50; (2) $42,688.50

Ralph Bell, Los Angeles, (1) no bid; (2) $49,575.

BIDS WANTED

LOS ANGELES, Cal.—Until August 20, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors, for the construction of a timber and steel bridge on Bouquet Canyon Road, over Bouquet Creek. The proposed bridge will consist of one 38-ft. A-frame span with 24-ft. roadway, using wood piles set in concrete.

Specifications obtainable from above office. Mame B. Beatty, clerk of the board.

NOTICE TO CONTRACTORS

STATE OF CALIFORNIA — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening August 15, in Sacramento, and August 16, in Los Angeles.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the Bridge sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened August 15 and 16:

VI-Kings-10-A Culvert across Melga Ditch; bridge across Lakeside Canal and bridge across Cross Creek*. Plans (No. of Sheets), 8; (Cost), $.80; Cross-Sections, (No. of Sheets), none (Cost), none; Total, $.80.

XI-S.D-2-A Bridge across Escondido Creek**. Plans (No. of Sheets) 6; (Cost), $.60. Cross-Sections (No. of Sheets), none; Total, $.60.

*Bids to be opened in Sacramento.
**Bids to be opened in Los Angeles.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to that office.

BIDS WANTED

LOS ANGELES, Cal.—Until August 20, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction of a reinforced concrete bridge at Dark Canyon on Barnham Blvd., over the Los Angeles River. The proposed bridge will consist of 7 40-ft. spans with a 44-ft. roadway, concrete piles, steel girders, concrete deck and ornamental iron railing. Mame B. Beatty, Clerk of the Board.

APPLICATIONS FILED

ALAMEDA COUNTY, Cal.—Three applications filed with the Railroad Commission by the State Department of Public Works ask authority to construct Alameda County Approaches to the San Francisco-Oakland Bay Bridge at separate crossings. The structures proposed are a part of the plan of the distribution of Bay Bridge traffic on the Alameda County side and the locations of the proposed crossings designated in the application filed are as follows:

OAKLAND: Overhead structure over the tracks of the Key System, Ltd., on Louise Street, adjacent to the yards of that system; roadway width, 44 feet.

BERKELEY: Underpass beneath tracks of Southern Pacific Company, midway between the westerly ends of Folger Ave. and Murray St., commonly referred ot as the Ashby Ave. crossing; width of roadway, 44 feet.

EMERYVILLE: Overhead crossing over the tracks of the Southern Pacific Company, Key System, Ltd., and the Atchinson, Topeka & Santa Fe Railway Company, near the intersection of Yerba Buena Ave. and Beach St.; roadway width, 44 feet.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

GLENDALE, Cal. — Parish Bros., 1222 N. Gower St., Hollywood, at $9,-619.50 (Proposal II, furnishing cement and admixture f.o.b. site of work) awarded contract by the Los Angeles County Board of Supervisors for the construction of a conduit on Verdugo Wash, between Pacific Ave. and Kenilworth Ave.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SACRAMENTO, Cal.—Kuhn Bros., Inc., 408 Center St., Manhattan Beach at $0.18 per c.y. total, $62,820, submitted low bid to the U. S. Engineer Office, Sacramento, under Spec. No. 6574, for levee construction in the Melster Tract, a distance of about 2.3 miles, involving approximately 349,000 c.y. of embankment in place in levee.

Complete bids follow:

Kuhn Bros., Manhattan Beach, $0.18 per c.y.; total, $62,820.

R. E. Campbell, Los Angeles, $0.219 per c.y.; total, $75,431.

Geo. Pollock, Sacramento, $0.247 per c.y.; total, $86,203.

Haas, Doughty & Jones, San Francisco, $0.265 per c.y.; total, $92,485.

Engineer's estimate, $0.23 per c.y.

BIDS WANTED

OAKLAND, Cal.—Until August 10, 3 P. M., bids will be received by the U. S. Engineer Office, 401 Customhouse, San Francisco, Lt. Col. H. A. Finch, District Engineer, under Proposal No. 35-3, for dredging an area about 82 ft. wide and 100 ft. long, located between the two channels through the former drawbridge at Park St., Alameda, to a depth of 18 ft. at mean lower low water. The work involves dredging about 1110 cu. yds. of material.

Specifications obtainable from the above office.

23— IRRIGATION PROJ.

July 27, 1934

CONSTRUCTION STARTED

YUMA, Arizona—Preliminary work on the construction of the Griffith Co's section of the All-American Canal started July 23. Work on this section will center around Pilot Knob. Operations will be fully under way by August 1. Clifford Bong, Pilot Knob, is construction superintendent. Phil D. Swing, representing the Imperial Irrigation District in Washington has reported that the Bureau of Reclamation may undertake to build uncon-

tracted portions of the canal project by force account within the next sixty days. The district is urging such procedure as a means of providing work for valley farmers.

BIDS WANTED

VALE, Oregon—Until August 16, 10 A. M., bids will be received by the Bureau of Reclamation, Vale, Oregon, under Spec. No. 579, for the construction of earthwork and structures, Vale Main Canal, Station 2450+00 to Station 3891+70, Vale Project, located near Vale and Jamieson, Oregon. The work involves:

(1) 551,000 cu. yds. all classes of excavation;
(2) 10,000 sta. cu. yds. overhaul;
(3) 3000 cu. yds. backfill;
(4) 660 cu. yds. concrete in struc.;
(5) Placing 46,000 lbs. reinf. bars;
(6) Laying 1332 lin. ft. 15" to 24" diameter concrete pipe;
(7) Erecting 24 MFBM timber in structures;
(8) Installing 14,000 lbs. gates and miscellaneous metal work.

Plans and specifications obtainable from the Bureau of Reclamation at Vale, Oregon; Denver, Colorado, or Washington, D. C., without charge to prospective bidders; to others, $2, not returnable.

BOND ELECTION

TURLOCK, San Joaquin Co., Cal.—Turlock Irrigation District Directors have set August 16 as the date for a special election within the district to vote on acceptance of a PWA loan and grant of $311,000 for concrete lining canals. Approximately 26 miles of canal is to be lined if the financing is approved. R. V. Meikle, Chief Engineer.

BIDS WANTED

LOS ANGELES Cal.—Until Aug. 6 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction of Unit No. 7, San Gabriel River outlet at Alamitos Bay. Bids will be taken on the following proposals:

PROPOSAL NO. 1

(1) 140,000 c.y. excavation;
(2) 19,200 tons riprap via rail (district to pay freight);
(3) 1900 l.f. railroad tracks on tops of levees.

PROPOSAL NO. 2

(1) 140,000 c.y. excavation;
(2) 19,200 tons riprap via truck (district to pay freight).

E. C. Eaton, Los Angeles County Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

BIDS WANTED

CASPER, Wyoming—Until August 27, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Casper, Wyoming, under Spec. No. 580, for construction of earthwork, tunnels, and structures, Casper Canal, Station 190 to Station 1164, Casper - Alcova project, near Casper, Wyoming. The work involves:

(1) 3,332,000 cu. yds. all classes of open-cut excavation;
(2) 27,000 cu. yds. tunnel excav.;
(3) 95,000 sta. cu. yds. overhaul;
(4) 75,000 cu. yds. compacting embankments;
(5) 31,000 cu. yds. backfill;
(6) 7320 cu. ydsfl concrete in struc.;
(7) 6000 cu. yds. concrete in tunnel lining;
(8) 1260 sq. yds. dry-rock paving;
(9) 1000 cu. ft. pressure grouting;
(10) Placing 825,000 lbs. of reinforcement bars;
(11) Furnishing and erecting 210 MFBM of permanent timbering in tunnel;
(12) Furnishing and erecting 130,000 lbs. steel tunnel liner plates;
(13) Erecting 59 MFBM timber in bridges;
(14) Drilling 500 lin. ft. grout holes;
(15) Installing 3800 lin. ft. drain pipe
(16) Installing 38,000 lbs. of gates and miscellaneous metal work.

Plans and specifications obtainable from above office and from the office at Denver, Colorado, and Washington, D. C., without charge to prospective bidders, to others, $1.50, not returnable.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

ALAMEDA, Alameda Co., Calif.—Gardner Electric Manufacturing Co., 4227 Hollis St., Emeryville, at $3688 awarded contract by Board of Public Utilities for furnishing transformers for municipal electric power plant.

CONTRACT AWARDED

CHICO, Butte Co., Cal.—The Chico Board of Education awarded contracts for a new 56-passenger capacity school bus, July 21, as follows:

Miller-Watkins Co., Chico, $1,176.60 for 1934 Dodge 2-ton chassis.

Gillig Bros., 1298 Post St., San Francisco, $1,650 for body.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Bruno Skibo, 3609 Columbia Drive, Oakland, at $1.50 per hour, operated, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Ave., Eureka, for the rental of one 2½-yard power dump truck for approximately 200 hours. The truck is to be used for light hauling in the vicinity of Boonville, Mendocino Co.

Complete bids follow:

Bruno Skibo, Oakland	$1.50
J. P. Buonaccorsi, Willits	1.68
Max Rosenberg, S. F.	1.71
A. S. Hubbs, Colton	1.74

CONTRACT AWARDED

NORTH HOLLYWOOD, Los Angeles Co., Calif.—Shepherd Tractor and Equipment Co., 514 W 12th St., Los Angeles, at $2.695 (Caterpillar) less allowance of $700 on used tractor, discount, 2%) awarded contract by the State Bureau of Purchases, Sacramento, for furnishing a tractor for North Hollywood. The other bids were:

Crook Co., Vernon, $2695, allowance, $650; 2% discount.

J. D. Adams Co., San Francisco, $2,821, allowance, $550; discount 10%.

Smith Booth Usher, Los Angeles, $2825, allowance, $450; discount, 7%.

The bids were opened July 21.

26— RAILROADS

BIDS WANTED

SAN FRANCISCO.—Pipe Yard Rehabilitation. See item under MISCELLANEOUS CONSTRUCTION (19).

BIDS WANTED

PORTLAND, Ore.—Until August 10, 3 P. M., bids will be received by the U. S. Engineer Office, Major C. F. Williams, District Engineer, 306 Customhouse, Portland, under Bid No. 35-69 for furnishing:

(1) 49,000 l.f. steel rails;
(2) 2,600 each, angle bars;
(3) 12 each, compromise joints, 90 to 85 lbs.

Specifications obtainable from above office.

27—FIRE ALARM SYSTEM

BOND ELECTION

SAN MATEO, San Mateo Co., Cal.—August 30 has been set by the San Mateo City Council as the date for voting on a $30,000 bond issue to finance extensions to the city's fire alarm system.

City Manager E. P. Wilsey recommends addition of 145 boxes to the present system.

30—RESERVOIRS & DAMS

FUNDS ALLOTTED

MODOC COUNTY, Cal.—The PWA has allotted a loan and grant of $160,000 to the South Fork Irrigation District, to finance construction of a reservoir in West Valley. The dam will be approximately 60 ft. high and the artificial lake created will store about 17,000 ft. of water. S. A. Mushen, Alturas, Consulting Engineer.

31—PIPE LINES & WELLS

BIDS OPENED

LOS ANGELES, Cal.—Following bids received by the U. S. Forest Service, 751 S. Figueroa St., Los Angeles, July 25 for drilling and casing a well near Newhall, under Bid No. D.F.M. 392: George C. Paonessa Contr. Co., $475 the first 100 l.f., and $350 the second 100 l.f.; L. E. Thompson, $2.81 and $2.65; Harry Crnklew, $3.50 and $3.50; Sam Gormley, $2.94 and $3.10, and Carl Witter, $2.82 and $2.82.

BIDS OPENED

NYE COUNTY, Nevada.—Following bids received by the Department of Agriculture, Division of Purchase, Sales & Traffic, Washington, D. C., July 20, under Proposal 6267, for drilling and casing wells, Nye County, Nevada:

A. W. Robbinette, Salt Lake City, Utah, item (2) $14,250; (3) $14,250: no guaranty.

Kersey & Co., Almagordo, N. M., (1) $23,450; (2) $24,887.50; (3) $26,525.

R. L. Norris, Sacramento, Cal., (1) $15,000; (2) $19,900; (3) $25,250.

H. Martin Robinson, Salt Lake City (1) $32,625; (2) $32,675; (3) $36,200.

FUNDS ALLOTTED

CARSON CITY, Nevada — Frank Upman Jr., NERA Administrator, has announced allocations of draught relief funds for well drilling and the development of water sources. All of the work will be done by local labor as far as is practicable. The money will be distributed as follows:

District No. 1 (Humboldt, Pershing, Churchill, Lyon, Storey, Washoe, Ormsby and Douglas Counties), $35,000.

District No. 2 (Lincoln and Clark Counties), $10,000.

District No. 3 (Nye, Mineral and Esmeralda Counties), $30,000.

District No. 4 (White Pine and southern part of Eureka and Lander Counties), $30,000.

District No. 5 (Elko and northern part of Eureka and Lander Counties), $25,000.

32— SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

SAN FRANCISCO — MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco, at $245,542.44 awarded contract by the Department of Public Works, Room 251, City Hall, for construction of sewers and appurtenances in Brannan St. from Ninth Street to Center Place, ad in Eighth Street from Bryant Street to Bran-

BIDS WANTED

FRESNO, Cal.—Until August 23, 11 A. M., bids will be received by H. S. Foster, City Clerk, for the sale of $35,000 in municipal improvement bonds. The money will finance construction of new storm sewers in the City of Fresno. Bonds were voted December 19, 1933.

BOND ELECTION

BURLINGAME, San Mateo Co., Cal. —Burlingame City Council has set August 30 as the new date for the bond election in the amount of $85,000 to secure a PWA allotment of $177,000. The money will finance construction of a sewage disposal and treatment plant to be shared jointly by San Mateo and Hillsborough. The City of Hillsborough will pay $25,000 of the cost.

The date of the election was previously reported for September 4.

Charles M. Thomas, Burlingame City Engineer.

Harry N. Jenks, consulting engineer, 2701 Benvenue, Berkeley, is preparing plans and specifications.

BOND ELECTION

SAN MATEO, San Mateo Co., Cal. —August 30 has been set by the San Mateo City Council as the new date for voting on a bond issue of $85,000 to secure a PWA loan and grant for $141,000 for the construction of an outfall sewer and treatment plant.

Hillsborough, which will have joint use of the sewer, has agreed to pay $28,000 of the cost.

The date of the election was previously reported for September 4.

E. P. Wilsey, City Engineer.

CONTRACT AWARDED

PEARL HARBOR, T. H.—Walker & Olund, Honolulu, at $2625 awarded contract by the Bureau of Yards & Docks, Navy Department, Washington, D. C., July 25, for constructing sewer and drainage lines, and other incidental work, for storehouse extension.

CONTRACT AWARDED

SAN BERNARDINO CO., Cal.—Miracle Co., 4751 Monroe Ave., San Diego, at $36,127 awarded contract by the State Highway Commission, Sacramento, for constructing 1,513 l.f.t of reinforced concrete box storm drain in Redlands, San Bernardino County, between Fourth and State Streets.

FUNDS ALLOTTED

YERINGTON, Lyon Co., Nevada.—Federal Public Works Administration has allotted $5,000 loan and grant to the town of Yerington for sewer replacements. Frank Brooks, Yerington, engineer.

August 2, 1934

NO BIDS RECEIVED

SAN FRANCISCO — No bids were received by the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the improvement of Bradford St., between Cortland Ave. and a point 160 ft. on the northerly line of Jarboe Ave., including the intersection of Bradford St. and Cortland Ave. Estimated cost, $1650.

33— WATER WORKS

BIDS OPENED

SAN FRANCISCO—Following bids received by H. N. Krenkel, Material Officer, U. S. Marine Hospital, 14th Ave. and Lake St., for furnishing and installing one fire hydrant and valve at the Hospital:

E. M. Mitchell, 7115 Geary St., San Francisco, $127, 15 days; Burnham Plumbing Co., 1220 Webster St., $131, 10 days; E. J. Treacy, Call Bldg., $150 30 days.

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO. — General Engineering & Drydock Co., 1100 Sansome St., at $9,749.90 awarded contract by the Department of Public Works, City Hall, for reconditioning gate valves for the auxiliary water supply system for fire protection, Contract No. 1.

BIDS WANTED

ALHAMBRA, Los Angeles Co., Cal. —Until August 7, 9 A. M., bids will be received by the Alhambra City Commission for furnishing 12-gauge electric welded steel drive pipe lined inside and out with bituminous enamel for the Longden Well Transmission Line, as follows:

(1) 1,520 ft. 16-in. pipe;
(2) 3,200 ft. 20-in. pipe.

CONTRACT AWARDED

SAN FRANCISCO—E. M. Mitchell, 7115 Geary St., San Francisco, at $220 awarded contract by H. N. Krenkel, Material Officer, U. S. Marine Hospital, for moving two fire hydrants and valves to a point 1 ft. inside of curb; and one fire hydrant east of road in front of Building No. 14 to be moved west to a point 1 ft. inside of curb.

CONTRACT AWARDED

SAN FRANCISCO — Herman Lawson Co., 465 Tehama St., San Francisco, at $26,602.36 awarded contract by the Department of Public Works, City Hall, for installing Line 2, Section A, Potrero District Extension to the Auxiliary Water Supply System for Fire Protection, in Potrero Ave., from 25th and Alameda Streets.

Complete bids published July 19.

EUREKA BOND ELECTION

EUREKA, Cal.—The Eureka City Council has set August 28 as the date for voting on a bond issue of $959,000 to secure a PWA loan to aid in financing construction of a new water system, including a dam on Mad River, a tunnel, reservoir, and pipe line.

The PWA granted $318,000 toward the project.

Revenue bonds in the amount of $959,000 were authorized previously, but were not acceptable and it is necessary for the City to vote general obligation bonds.

Clyde C. Kennedy, Call Bldg., San Francisco, Consulting Engineer.

SPECIFICATIONS CHANGED

FALLON, Nevada—L. W. Crehore, Project Engineer, has issued Addenda No. 2, to specifications for Steel Supply Mains of the Water & Distribution System, changing 10 gauge steel supply mains to read 10-gt. or heavier.

Bids open August 8, 10 A. M., as previously reported.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

PETALUMA, Sonoma Co., Cal.—Until August 6, 7:30 P. M., bids will be received by the Petaluma City Council, City Hall, Gladys V. Roberts, City Clerk, for furnishing pipe, sprinklers and other equipment and supplies necessary in the work of installing a sprinkler system in Hill Plaza Park.

The city will also receive bids for two nipples and one coupling for each sprinkler.

Plans and specifications obtainable from the above office.

29—STREETS AND HIGHWAYS

BIDS WANTED

SAN FRANCISCO—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) sidewalks on Lombard St., between 196-ft. 6-in. and 220-ft. east of Steiner St.

The work involves 8000 sq. ft. of one-course concrete sidewalk.

Estimated cost, $1200. Plans and specifications obtainable from City Engineer, John J. Casey, without deposit.

BIDS WANTED

SAN FRANCISCO.—Pipe Yard Rehabilitation. See item under MISCELLANEOUS CONSTRUCTION (19).

July 30, 1934

BID REJECTED

HUMBOLDT COUNTY, Cal.—State Highway Commission, Sacramento, has rejected the only bid received, that of Mercer-Fraser Co., 2nd and Commercial Sts., Eureka, at $66,824, for grading and surfacing with bituminous treated crushed gravel or stone about 1.5 mile between southerly city limits and Wabash Ave., Eureka.

AWARD RECOMMENDED

MARIPOSA and Tuolumne Cos., Cal. —Award of a contract to Morrison-Knudsen Co., 411 W Fifth St., Los Angeles, at $423,012.50 (Alternate A: corrugated metal culvert) for grading Section A1 of Route 4, the Tioga Road, Yosemite National Park, Mariposa and Tuolumne counties, has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

CONTRACT AWARDED

TULARE COUNTY, Calif.—Stewart & Nuss, Inc., 410 Thorne Ave., Fresno at $11,340 awarded contract by State Highway Commission, Sacramento, for treating shoulders with fuel oil on about 29 miles in Tulare County between Kern county line and Porterville, and between Tulare wye and 1 miles west of Lindsay.

AWARD

COCONINO CO., Ariz.—Hodgman & MacVicar, 714 Plymouth Road, Pasadena, Calif., at $104,067 awarded the contract by the U. S. Bureau of Public Roads, 802 Title & Trust Building, Phoenix, for grading 8.017 miles of Section A, Route 3, the Flagstaff-Clints Well National Forest Highway, Coconino National Forest, Coconino County, Arizona.

BIDS WANTED

SAN BERNARDINO and Riverside Cos., Cal.—Until August 13, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for about 12.3 miles of existing roadbed shoulders to be treated with fuel oil in San Bernardino and Riverside counties, between Colimesa and Banning.

Plans and specifications obtainable from the above office.

PLANNED

RICHMOND, Contra Costa Co., Cal. —City Council has directed City Engineer E. A. Hoffman to prepare plans and specifications for the improvement of the intersection of Tenth and Lucas Sts., Richmond, to eliminate traffic hazards. An underpass may be recommended.

CONTRACT AWARDED

BERKELEY, Cal.—Albany Cement Contractors, 954 San Pablo Avenue, Albany, at $23,977.50 awarded contract by the Berkeley City Council for constructing a retaining wall and incidental work in the improvement of Tunnel Road to the East City Limits.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A J. Raisch Paving Co., Burrell Bldg., San Jose, at $15,389 submitted low bid to the Santa Clara County Board of Supervisors and awarded contract for paving portions of Northrup St., Fruitvale Ave., Pedro St., Paula St., Sunol St. and Saveker St.

Union Paving Co., San Francisco, at $16,850 submitted the only other bid. Engineer's estimate, $16,150.

CONTRACT AWARDED

SACRAMENTO, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $3,381.23 awarded contract by the U. S. Engineer Office, Sacramento, for grading about 830 l.f. of subgrade and providing about 2,173 sq. yds. bituminous pavement to form a hard surfaced roadway over a hydraulic dredge fill in the spoil area in West Sacramento.

July 31, 1934

CONTRACT AWARDED

MARIN COUNTY, Cal.—E. A. Forde 640 Redhill Ave., San Anselmo, at $2.35 per barrel, total, $2,408.75, submitted low bid and awarded contract by the Marin County Board of Supervisors for asphaltic oil treatment of various roads in Marin County, involving 1,-025 barrels of oil.

Lee J. Immel, Berkeley, at $2.40 per barrel, total $2,460 submitted the only other bid.

AWARD RECOMMENDED

SAN GABRIEL, Cal.—The San Gabriel City Council has recommended to the PWA Engineer that a contract for the improvement of San Gabriel Blvd. from Wells St. to Valley Blvd., with Dialethic asphaltic concrete pavement and oil surface on embankment, be awarded to Osborn Co., 1570 San Pasqual Ave., Pasadena, on their low bid of $13,333.

Complete bids published July 21.

BIDS OPENED

JUNEAU, Alaska — Siems-Spokane Co., Realty Bldg., Spokane, at $82,-322 submitted low bid and recommended for award by the U. S. Bureau of Public Roads, Ivan Winsor, Acting District Engineer, for 1.75 mi. grading and construction of a steel girder bridge 340 feet long having concrete piers and floors, over Lawson Creek.

Wright & Stock, Inc., at $83,931 submitted the only other bid.

CONSTRUCTION PROGRAM

WASHINGTON STATE—Lacey V. Murrow, Director of Highways, Olympia, Wash., has announced that the following contracts, if approved by the Bureau of Public Roads, will be awarded prior to July 1, 1935, most of them prior to January 1, 1935:

GRADING AND SURFACING

Grading, surfacing and grade separation of 2.4 miles of Cook-Underwood Section, Evergreen Highway, Skamania County, $240,000.

Grading and surfacing 2.8 mi. west of Cheney, Spokane County, $55,000.

Grading and surfacing .44 mi. west of South Bend, Pacific County, $42,-500.

Grading and surfacing .8 mi. north of Gig Harbor, Pierce County, $23,-300.

Grading, surfacing and paving Water St. W., South Bend, $35,000.

Grading and surfacing 4.5 miles of Tiger-Ione, Pend Oreille County, $80,000.

Surfacing 8 mi. in Brewster and Bridgeport, Douglas County, $30,000.

Grading, surfacing and grade separation on 3.0 mi. south of Oakesdale, Whitman County, $85,000.

Grading, surfacing and bridge on .6 mile of Carlton south, Okanogan County, $55,000.

Grading and surfacing 5.5 miles of Uncas - Port Ludlow Road, Jefferson County, $70,000.

Grading and surfacing 8.4 miles of Port Blakely - Agate Pass, Kitsap County, $25,000.

Grading, surfacing and ballasting 1.46 mi. of Othello-White Bluffs Rd., Adams County, $6000.

Grading, surfacing and ballasting 6.78 mi. of Othello-White Bluffs Rd., Franklin County, $34,000.

Grading, surfacing and ballasting 3.38 mi. of Othello-White Bluffs Rd., Grant County, $25,000.

Grading and ballasting 15 miles of Burke-Neppel Section, Grant County, $145,000.

Grading and surfacing 3 miles in Washougal east via Washougal River, Clark County, $25,000.

Grading, surfacing and oiling 6 mi. of Stanwood - Utsalary Ferry Road, Island County, $17,500. (Island County to contribute $7,500).

Grading and bridge on 2.24 miles of Everett Ave., Snohomish, $300,000.

PAVING

Paving .17 mi. of E. Marginal Way, King County, $4000.

Paving 1.96 mi. of Lakeview-Union Avenue, Pierce County, with grade separation of N. P. Railway, $185,000.

Paving 3.9 mi. of Lake Forest Park-Bothell Highway, King County, $123,000.

Paving 9.1 miles of Snoqualmie Pass, east of present Mid-State contract.

Pavement widening on 1.60 mi. of State highway north of Wenatchee, Chelan County.

Paving 1.33 mi. of E. Marginal Way—4th Ave., Seattle, $71,000.

Paving .7 mi. in Bothell, south city limits to junction of Redmond Road, $25,000.

Paving .65 mi. of Rainier Avenue, Jackson St. to Dearborn and Renton Ave., Seattle, $83,603.

Paving .6 mi. of Union Gap in Spokane, $20,000.

Paving and revisions on .37 mi. of Pine St. and Isaacs Ave., Walla Walla, $20,000.

Paving 1.5 mi. of Pacific Ave., between 72nd and 96th Sts., $30,000.

Paving and undercrossing on .25 mi. of 8th and Chestnut Sts., Ellensburg, $50,000.

Paving 4 miles of Bellingham south Samish branch, Whatcom County, $154,103.

Repaving and drainage on 2.42 mi. of S. Tacoma Way-Union Ave., Tacoma, Pierce County, $82,000.

Grading and paving .4 mi. of Mill St., N. Bellingham, $20,000.

Grading, pavig, grade separation on .6 mi. of 6th Ave., Spokane, $150,-000.

Retopping and widening 2.5 miles north of Hillyard, Spokane County, $10,000.

Resurfacing with asphalt .5 mi. of Market St., Chehalis, $22,000.

Resurfacing .57 mi. of 3rd and Ash Sts. to 2nd and Columbia; Allen St. to Bridge, Kelso, Cowlitz County, $17,500.

Resurfacing with asphalt .6 mi. of Columbia and Mill Sts., Camas, $21,-500.

Resurfacing .5 mi. of State St., between Ivy and Holly, Bellingham, $18,000.

BRIDGES AND CULVERTS

Pile bridge and channel change on .7 mile of Nisqually-Olympia Highway, Thurston County, $42,500.

Bridge over Toutle River, Cowlitz County, 200 ft. long, $60,000.

Summit Creek bridge in Lewis County, 200 ft. long, $25,000.

296 ft. bridge over Wynoochee River, Grays Harbor County, $82,296.

Undercrossing with N. P. Railway in Tenino, $30,000.

Bridge 50 ft. long at Cle Elum-Roslyn crossing, Kittitas County, $6000.

Sylvia Creek bridge, 69 ft. long, in Montesano, $8000.

Overhead crossing 120 ft. long with C.fl M. St. Paul and O. R. R. at Goshon Junction, Bellingham-Mount Baker overhead, $15,000.

TRAFFIC SIGNALS

Traffic signals at G. N. Railway grade crossing, Spokane-West Spokane, $2000.

Traffic signals at C. M. and St. Paul Railway grade crossing 9.3 mi. east of Park Junction, Pierce County $2000.

Traffic signals at grade crossing .3 mi. east of Elbe, Pierce County, $2000

Traffic signals at grade crossing .1 mi. east of Elbe, Pierce County, $2000

Install traffic signals at 2 grade crossings at Mt. Vernon, north and south, $4000.

Traffic signals at grade crossings in Centralia, $2000.

LANDSCAPING

Landshaping 3.24 mi. of Lake Forest Park-Bothell Highway, King County, $12,500.

Landscaping 1.7 mi. west of Wenatchee, Chelan County.

Landscaping 2 miles of Yakima-Union Gap highway, Yakima County, $6000.

Landscaping 1.6 mi. in south Spokane, $5000.

All above work will be financed by the Hayden-Cartwright Bill.

BIDS WANTED

BERKELEY, Cal. — Until August 14, 10 A. M., bids will be received by the Berkeley City Council for the improvement of Shattuck Ave. and Rose St. crossing. The work involves:

(1) 17,200 sq. ft. grading;
(2) 10 yds. grading below subgrade;
(3) 17,200 sq. ft. crushed rock base, 3-in. thick;
(4) 14,900 sq. ft. bituminous surfacing;
(5) 750 lin. ft. conc. curb and 2-ft. gutter;
(6) 400 sq. ft. bituminous re-surf.;
(7) 900 sq. ft. asphalt concrete resurfacing;
(8) 40 lin. ft. 10-in. cast iron pipe;
(9) 10 lin. ft. 12-in. C.I.P. culvert;
(10) 100 sq. ft. sidewalk reconstr.;
(11) 1 existing culvert outlet;
(12) 1 2-culvert inlet;
(13) 1 2-culvert outlet.

Plans and specifications obtainable from Harry Goodridge, City Engineer, upon deposit of $10.

BIDS OPENED

SACRAMENTO, Cal.—J. M. Nelson, Cordelia, at $2.50 per c.y., total $312.-50, submitted the only bid to the U. S. Engineer Office, Sacramento, under Bid No. 6578/2209, for furnishing, delivering and spreading 125 c.y. of crushed rock on the Dozier spoil area on a road about 1,100 ft. long by 8 ft. wide near Rio Vista.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BIDS OPENED

SAN FRANCISCO — M. J. Lynch, 1435 Church St., San Francisco, at $2149.10 submitted low bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the improvement of the crossing of Filbert and Kearny Sts., involving:

(1) 200 cu. yds. excavation;
(2) 35 cu. yds. concrete in retaining walls and posts;
(3) 2520 lbs. reinforcing steel;
(4) 17 lin. ft. conc. coping (10-in. x 18-in.);
(5) 7 lin. ft. concrete coping (10-in. x 12-in.);
(6) 79 lin. ft. unarmored conc. curb;
(7) 26 lin. ft. granite curb reset;
(8) 650 sq. ft. one-course concrete sidewalk;
(9) 1600 sq. ft. 6-in. Class F conc. pavement.
(10) 1 storm water inlet;
(11) 20 lin. ft. 10-in. V.C.P. culvert;
(12) 10 lin. ft. 10-in. CIP culvert (Class C);
(13) 220 lin ft. 1½-in. std. W.I.G. pipe in railings.

Total bids follow:

(A) M. J. Lynch, San Francisco, $2,149.10.
(B) Love & Haun, San Francisco, $2,149.85.
(C) E. J. Treacy, San Francisco, $2,369.40.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 1.00	$ 2.50	$ 1.75
(2)	30.00	24.00	30.00
(3)	.05	.05	.05
(4)	1.00	.90	1.00
(5)	1.00	.60	1.00
(6)	1.00	.55	.70
(7)	.50	.30	.50
(8)	.12	.12	.20
(9)	.24	.20	.28
(10)	30.00	35.00	25.00
(11)	1.50	2.00	2.00
(12)	2.50	3.00	2.00
(13)	.50	.50	.40

CONTRACT AWARDED

GILROY, Cal.—U. S. Pipe and Foundry Co., Monadnock Bldg., San Francisco, at $29,631.93 submitted low bid and awarded contract by the Gilroy Common Council, July 30, for furnishing pipe, fittings and materials for the construction of the Transmission Water Line located within and without the City of Gilroy. Complete bids follow:

(A) U. S. Pipe & Foundry Co., San Francisco, $29,631.93.
(B) American C. I. P. Co., San Francisco, $31,675.02.
(C) Utilities Supply Co., Los Angeles, $34,395.23.

Unit bids follow:

(1) 12 997 lin. ft. 16-in. C.I.P., (A) $2.172; (B) $2.328; (C) $2.612.
(2) 2 16-in by 14-in. reducers, (A) $14.80; (B) $16.65; (C) $21.80.
(3) 2 18-in. x 16-in. reducers, (A) $18.30; (B) $20.55; (C) $26.65
(4)1 16-in. x 18-in. reducer, (A) $25.50; (B) $28.80; (C) $38.55.
(5) 1 16in. 45° bend, (A) $17.80; (B) $20.00; (C) $31.15.
(6) 1 16-in. 22° bend, (A) $15.50; (B) $17.45 ;(C) $31.07.
(7) 1 16-in. valve, (A) $139.20; (B) $139.20; (C) $139.20.
(8) 1 14-in. valve, (A) $110.20; (B) $110.20; (C) $110.20.
(9) 8665 lbs. leadite, (A) $.11; (B) $.11; (C) no bid.
(10) 340 lbs. braided dry hemp yarn, (A) $.22; (B) $.22;(C) no bid.

The award is subject to the final approval of the PWA engineer.

Raymond Fisher, 75 N. First St., San Jose, City Engineer. * 33

SAN FRANCISCO—Water Main Contract No. 48—(City)

SAN FRANCISCO. — Lowrie Paving Co., 1540 16th Street, at $37,331.10 submitted low bid to the Public Utilities Commission, City Hall, for the laying of 6- and 8-in. castiron mains, together with necessary fittings, in the area from 8th Ave. to 25th Ave., and from Fulton St. to Lake St., under Spec. W. D. 48.

The work involves:

(1) 34,830 l. f. excavation and backfill for 6- and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 550 c.y. additional excavation and backfill;
(3) 1,200 sq. ft. additional pavement removal and replacement;
(4) installing pipe:
(a) 20,820 l.f. 6-in. bolted joint cast iron pipe;
(b) 14,010 l.f. 8-in. do;
(5) 25,000 lbs. installing fittings, gate valves, etc.;
(6) making joints for pipe and fittings, 618 l.f. bell and spigot joints;
(7) making joints for 6-in. cast iron pipe, 3,825 bolted joints;
(8 making joints for 8-in. cast iron pipe, 2,560 bolted joints;
(9)54,400 sq. ft. repavement;
(10) connections, work to be done by S. F. Water Dept.

Total bids follow:

(A) Lowrie Paving Co., $37,331.10.
(B) Barrett & Hilp, $40,812.255.
(C) Alta Electric and Mechanical Co., $42,074.90.
(D) Pacific Pavements Co., Ltd., $43,-121.55.
(E) Harry J. Oser, $45,745.95.
(F) Herman Lawson, $46,752.85.
(G) Fay Improvement Co., $49,173.83.
(H) Eaton & Smith, $51,727.14.
(I) Lindgren & Swinerton, $75,148.40.

All bidders of San Francisco.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .30	$ .377	$ .485	$ 45	$ .60	$ .61	$ .65	$ .65	$ .79
(2)	1.00	1.65	.93	2.00	.60	2.00	1.40	1.30	3.00
(3)	.35	.45	.26	.325	.35	.50	.30	.39	.70
(4a)	.05	.065	.11	16	.07	.05	.106	.16	.27
(4b)	.05	.085	.11	.175	.07	.08	.114	.17	.33
(5)	.01	.01	.01	.01	.015	.02	.007	.015	.06
(6)	.20	.81	.75	.75	.70	.75	.64	.73	1.00
(7)	.20	.093	.13	.16	.25	.13	.15	.16	.90
(8)	.20	.12	.13	.16	.25	.15	.15	.16	.90
(9)	.30	303	.235	.225	.24	.25	.255	.26	.39
(10)	6200.00	6200.00	6200.00	6200.00	6200.00	6200.00	6200.00	6200.00	6200.00

Three low bids held under advisement; all others rejected.

BONNEVILLE, OREGON—Water & Sewer System—(Govt).

BONNEVILLE, Oregon—Parker-Schram, 513-14-15 Couch Bldg., Portland, Oregon, at $11,443.50 submitted low bid to the U. S. Engineer Office, Customhouse, Portland, July 24, for the construction of the water and sewer systems for the United States permanent quarters at Bonneville Dam, under Bid No. 35-15. The work involves:

(1) 720 cu. yds. trench excav, common;
(2) 80 cu. yds. trench evcav., rock;
(3) 24,400 gals. wood storage tank, tower;
(4) 2000 lin. ft. 6-in. C. I. pipe;
(5) 180 lin. ft. 8-in. C. I. pipe;
(6) Laying 420 lin ft. 8-in. C. I. pipe;
(7) 8 fire hydrants;
(8) 1340 lin. ft. 1¼-in. copper tubing;
(9) 34 1¼-in. bronze corporation cocks;
(10) 20 1¼-in. bronze stop cocks;
(11) 40 lin. ft. 6-in. sewer pipe;
(12) 650 lin. ft. 8-in. sewer pipe;
(13) 240 lin. ft. 8-in. standard screw joint steel pipe;
(14) 8 concrete manholes;
(15) 3600 lbs. C. I. standard fittings;
(16) 5 6-in. iron gate valves;
(17) 1 8-in. iron gate valve;
(18) 20 cu. yds. concrete tank fittings
(19) 34 service clamps.

Total bids follow:

(A) Parker - Schram, Portland, $11,-443.50.
(B) Schmitt Constr. Co., Portland, $11,520.
(C) Felix Arcorace, Seattle, $11,845.
(D) Ek & Lind, Portland, $12,504.45.
(E) Eugene Ruedy, Portland, $12,-584.50.
(F) F. J. Gregoire, Portland, $14,-162.60.
(G) Engineer's Estimate, $13,839.35.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 1.25	$ 2.00	$ 1.65	$ 1.00	$ 2.00	$ 1.75	$ 1.98
(2)	6.00	2.50	3.50	6.00	5.00	3.50	5.28
(3)	3000.00	3350.00	3400.00	3980.95	3867.00	3800.00	5001.45
(4)	1.10	1.05	.97	1.25	1.04	1.21	1.24
(5)	1.65	1.50	1.50	1.40	1.47	1.63	1.72
(6)	.60	.45	.40	.50	.25	.30	.264
(7)	100.00	70.00	65.00	75.00	67.00	80.00	72.60
(8)	.50	.35	.35	.55	.535	.69	.46
(9)	6.00	3.75	4.00	3.50	6.00	6.00	4.23
(10)	4.50	4.25	1.00	4.50	6.50	6.25	4.09
(11)	.40	.35	.85	.70	.70	.70	.66
(12)	.55	.55	1.00	.80	.60	1.00	.60
(13)	2.20	2.25	2.00	1.75	1.95	3.15	2.01
(14)	65.00	85.00	150.00	101.00	75.00	115.00	99.00
(15)	.09	.11	.08	.08	.10	.25	.11
(16)	50.00	27.50	30.00	40.00	52.00	52.00	30.36
(17)	70.00	45.00	50.00	60.00	65.00	68.50	42.84
(18)	20.00	25.00	25.00	22.00	25.00	20.00	15.84
(19)	2.50	1.75	3.00	1.75	5.00	3.15	2.01

Ek & Lind, Portland, at $12,504, were previously announced as probable low bidders before a complete tabulation of the bids received had been made. All bids held under advisement.

SAN FRANCISCO—TIMBER TRESTLES—(CITY)

SAN FRANCISCO—Barrett & Hilp, 918 Harrison St., San Fancisco, at $174,392.50 submitted low bid to the Public Utilities Commission, City Hall for the construction of the timber trestle for the Bay Crossing Pipe Line No. 2, in Alameda and San Mateo Counties, under Spec. W. D. 52; Federal Public Works Project 1510. The work involves:

(1) 115,000 l.f. furnishing untreated piling;
(2) 47,000 l.f. furnishing creosoted piling;
(3) 2,600 piles (driving);
(4) 25 piles (pulling);
(5) 400 c.y. excavation;
(6) 690 MFBM redwood lumber, in place;
(7) 60 MFBM, extra price for surfacing lumber;
(8) 49,000 lbs. galv. bolts and nuts;
(9) 16,000 lbs. galv. drift bolts;
(10) 22,000 lbs. cast iron washers;
(11) 33,000 lbs. galv. misc. steel;
(12) 560 c.y. concrete;
(13) 10 bbls. extra cement;
(14) 18,500 lbs. reinf. steel, in place.

Total bids follow:

(A) Barrett & Hilp, $174,392.50.
(B) Union Paving Co., $176,630.
(C) Ben C. Gerwick, $177,700.
(D) Healy Tibbitts Constr. Co., $179,-375.
(E) Duncanson Harrelson Co., $179,-931.
(F) M. B. McGowan, $197,562.
(G) Macco Constr. Co., Clearwater, $207,925.
(H) Rocca & Caletti, San Rafael, $222,305.
(I) Youdall Constr. Co., $243,270.
(J) Lindgren & Swinerton, $244,661.

All bidders of San Francisco unless otherwise noted.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .29	$ .19	$ .15	$ .17	$ .18	$ .22	$ .24	$ .24	$ .30	$ .24
(2)	.85	.65	.58	.73	.695	.70	.88	.74	.80	.795
(3)	11.10	14.00	18.00	15.00	19.50	20.00	16.00	27.00	20.00	34.00
(4)	500.00	15.00	30.00	20.00	6.00	100.00	40.00	50.00	40.00	30.00
(5)	1.75	4.00	2.50	2.00	2.00	5.00	3.00	3.50	3.50	2.50
(6)	80.00	78.00	92.00	100.00	85.50	100.00	90.00	96.00	125.00	100.00
(7)	2.50	6.00	2.50	3.50	3.00	3.00	10.00	8.50	3.00	2.40
(8)	.06	.15	.06	.06	.057	.07	.09	.09	.12	.106
(9)	.05	.15	.06	.06	.0485	.05	.07	.08	.11	.08
(10)	.0625	.10	.06	.05	.0375	.04	.12	.045	.08	.054
(11)	.065	.15	.07	.05	.061	.06	.10	.07	.14	.08
(12)	13.50	25.00	22.00	15.00	15.50	10.00	35.00	18.50	27.00	16.00
(13)	3.00	3.50	5.00	3.00	2.50	2.50	10.00	5.00	3.00	3.00
(14)	.045	.04	.06	.05	.034	.05	.07	.05	.06	.06

Three low bids held under advisement; all others rejected.

SAN FRANCISCO—Water Main Contract No. 49—(City)

SAN FRANCISCO—Lowrie Paving Co., 1540 16th St., San Francisco, at $33,972.20 submitted low bid to the Public Utilities Commission, City Hall, for the laying of 6-in. and 8-in. cast iron mains together with necessary cast iron fittings, in the area from Egbert St. to Sunnyvale Ave., and from Elliot St. to Griffith Ave., under Spec. W. D. 49. The work involves:

(1) 34,250 l.f. excavation and backfill for 6- and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 550 c.y. additional backfill and excavation;
(3) 1,200 sq. ft. additional pavement removal and replacement;
(4) installing of pipe;
  (a) 24,580 l.f. 6-in. bolted joint cast iron pipe;
  (b) 9,670 l.f. 8-in. do;
(5) 18,300 lbs., installing of fittings, gate valves, etc.;
(6) making joints for pipe and fittings, 466 l.f. bell and spigot joints;
(7) making joints for 6-in. cast iron pipe, 4,500 bolted joints;
(8) making joints for 8-in. cast iron pipe, 1,770 bolted joints;
(9) 48,615 sq. ft. repavement;
(10) connections, work to be done by S. F. Water Dept.

Total bids follow:

(A) Lowrie Paving Co., $33,972.20.
(B) Barrett & Hilp, $36,722.735.
(C) Pacific Pavements Co., Ltd., $40,-757.87.
(D) J. S. Hellmann, $40,939.03.
(E) W. J. Tobin, Oakland, $42,043.75.
(F) Piombo Bros. & Co., $43,562.35.
(G) Eaton & Smith, $43,963.55.
(H) E. J. Treacy, $43,975.30.
(I) Fay Improvement Co., $44,724.71.
(J) Alta Electric & Mechanical Co., $44,777.75.
(K) Herman Lawson, $48,498.56.
(L) H. C. Vensano & Co., $61,325.00.
(M) Lindgren & Swinerton, $103,-086.58.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .30	$ .37	$ .475	$ .49	$ .50	$ .60	$ .55
(2)	1.00	1.65	2.00	2.00	1.00	2.00	1.25
(3)	.35	.45	.325	.25	.40	.30	.375
(4a)	.05	.056	.16	.13	.10	.125	.15
(4b)	.05	.063	.175	.14	.15	.125	.17
(5)	.01	.01	.01	.005	.05	.006	.015
(6)	.20	.75	.75	.53	.75	.85	.70
(7)	.20	.0675	.16	.13	.25	.125	.16
(8)	.20	.085	.16	.13	.30	.125	.16
(9)	.30	.303	.225	.25	.25	.23	.25
(10)	4900.00	4900.00	4900.00	4900.00	4900.00	4900.00	4900.00

	(H)	(I)	(J)	(K)	(L)	(M)
(1)	$ .6546	$ .627	$ .6425	$ .73	$ .80	$ 1.35
(2)	1.25	2.10	1.55	2.70	2.50	5.50
(3)	.30	.32	.40	.45	.40	.80
(4a)	.105	.10	.11	.06	.30	.30
(4b)	.105	.115	.11	.10	.34	.45
(5)	.01	.005	.01	.03	.03	.075
(6)	.75	.64	.75	.91	1.00	1.33
(7)	.125	.15	.13	.14	.30	1.00
(8)	.125	.15	.13	.19	.30	1.40
(9)	.22	.245	.235	.26	.28	.42
(10)	4900.00	4900.00	4900.00	4900.00	4900.00	4900.00

Three low bids held under advisement; all others rejected.

BIDS OPENED

TRINITY CO., Cal.—Hemstreet and Bell, 501 11th St., P. O. Box 215, Marysville, at $62,582 submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for 19.794 miles of placing selected material and crushed gravel subgrade reinforcement on Sections A, B, C, D and E, of Route 5, Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County.

(A) Hemstreet tnd Bell, Marysville, $62,582.00.
(B) George French, Jr., Stockton, $65-473.00.
(C) Granfield, Farrar & Carlin, San Francisco, $69,818.00.
(D) United Contracting Co., Stock Exchange Bldg., Portland, $104,037.80.
(E) Hein Bros. Basalt Rock Co., Petaluma, $104,284.00.
(F) Engineer's estimate, $64,898.00.

Unit quantities follow:

(1) 1,000 c.y. unclass. excavation;
(2) 360 c.y. do for structures;
(3) 12,200 c.y. selected material subgrade reinforcement;
(4) 30,500 tons crushed gravel do;
(5) 1,000 tons supplemental crushed gravel;
(6) 1,000 tons stockpiled screenings;
(7) 1,000 M. gals. watering;
(8) 20,000 c.y. mi. hauling selected material subgrade reinf.;
(9) 1,628 l.f. 8-in. perforated CGMP.;
(10) 360 c.y. crushed rock or gravel for backfill.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$.50	$.50	$.60	$.60	$.90	$.50
(2)	2.25	1.50	1.25	.75	2.75	1.50
(3)	.50	.43	.45	.65	.82	.60
(4)	1.40	1.55	1.70	2.60	2.47	1.50
(5)	1.25	1.25	1.70	2.40	2.40	1.40
(6)	2.00	2.00	1.70	4.25	5.00	2.00
(7)	2.50	2.50	2.50	2.50	3.50	1.50
(8)	.16	.15	.15	.18	.125	.15
(9)	1.50	1.50	1.00	1.35	1.25	1.00
(10)	3.00	2.00	2.50	2.75	4.50	3.50

All bids held under advisement.

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COMPLETE BID LISTING

CLARK COUNTY, Nevada—Dodge Constr. Co., Inc., Fallon, Nevada, at $73,729.24, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors S. C. Durkee, State Highway Engineer, Carson City, for the construction of a portion of the State Highway System, including a timber bridge, in Clark County, between the junction with Route 6 and Logandale, Route 12, Section B1, a length of 6.12 miles, involving:

(1) 37 acres, clearing and grubbing;
(2) 59,000 c.y. roadway excavation;
(3) 48,100 yd. sta. overhaul;
(4) 33,860 c.y. select borrow;
(5) 550 c.y. struc. excav.;
(6) 6.10 miles subgrade;
(7) 17,400 c.y. crushed gravel or stone surface;
(8) 67 c.y. Class B concrete;
(9) 1,370 lbs. reinforcing steel;
(10) 330 lin. ft. 15-in. corru. metal pipe
(11) 480 lin. ft. 18-in. do;
(12) 838 lin. ft. 24-in do;
(13) 654 lin ft 30-in do;
(14) 128 lin ft. 36-in. do;
(15) 132 lin. ft. 48-in. do;
(16) 36 lin. ft. remove culvert fence;
(17) 7,766 lin. ft. remove fence;
(18) 7,671 lin ft. reconstruct fence;
(19) 1 each move pipe culvert headwalls;
(20) 1 each remove bridge;
(21) 56.0 M. ft. MFBM redwood;
(22) 2,160 lin. ft. treated piles;
(23) 54 each, drive treated piles;
(24) 375 sq. yds. asphaltic plank surf.;
(25) 1 each, remove building;
(26) 56 each monuments;
(27) lump sum, remove power line;
(28) 6.12 miles, finish roadway.

Total bids follow:

(A) Dodge Constr. Co. Inc., $73,729.24
(B) Nevada Rock & Sand Co., Reno, $74,302.52.
(C) Gibbons & Reed Co., Burbank, Calif., $84,778.70.
(D) Engineer's Estimate, $69,135.40.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 20.00	$ 20.00	$ 25.00	$ 15.00
(2)	.35	.32	.40	.35
(3)	.03	.04	.02	.03
(4)	.35	.35	.40	.30
(5)	1.50	1.50	1.50	1.00
(6)	100.00	100.00	100.00	100.00
(7)	.75	.80	1.00	.70
(8)	25.00	30.00	25.00	28.00
(9)	.10	.10	.06	.07
(10)	1.75	2.00	2.00	1.50
(11)	2.00	2.00	3.00	2.00
(12)	3.00	3.00	4.00	3.00
(13)	3.50	4.00	4.75	4.00
(14)	5.00	5.00	7.00	5.50
(15)	8.50	10.00	10.50	8.00
(16)	.50	5.00	.75	.75
(17)	.04	.02	.02	.02
18)	.10	.20	.08	.08
(19)	10.00	10.00	25.00	10.00
(20)	100.00	100.00	75.00	100.00
(21)	120.00	100.00	110.00	110.00
(22)	.90	1.00	.95	.50
(23)	30.00	30.00	35.00	25.00
(24)	4.00	4.00	3.00	3.50
(25)	250.00	500.00	300.00	250.00
(26)	3.00	4.00	3.00	3.50
(27)	320.00	500.00	500.00	500.00
(28)	150.00	100.00	200.00	150.00

CONTRACT AWARDED

YUBA COUNTY, Cal. — Hemstreet & Bell, 501 11th St., P. O. Box 215, Marysville, at $2942 awarded contract by the State Highway Commission, Sacramento, for surfacing with bituminous treated crushed gravel or stone surfacing (plant mixed) about 0.12 mile in the City of Marysville, between the north end of the "D" St. Bridge and Second Street.

Complete bids published July 25.

MARIPOSA&TUOLUMNE COUNTIES—Grading—(Govt.)

MARIPOSA and Tuolumne Counties, Cal.—Morrison - Knudsen Co., 411 W. Fifth St., Los Angeles, at $423,012.50 (Alternate A) and $423,133.00 (Alternate B) submitted low bid to the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A1 of Route 4, the Tioga Road, Yosemite National Park, Mariposa and Tuolumne Counties.

The work involves:

(1) 85 acres clearing;
(2) 264,000 c.y. unclass. excavation;
(3) 67,700 c.y. do for borrow;
(4) 3,700 c.y. do for structures;
(4a) 3,750 c.y. do (using masonry arch culvert);
(5) 164,000 s.y. overhaul;
(6) 31,000 c.y. mi. borrow haul;
(7) 12.478 miles finishing earth graded road;
(8) 2,800 c.y. hand-laid rock embankment;
(9) 156 l.f. 8-in. CGMP (asphalt dipped);
(10) 3,586 l.f. 18-in. do;
(11) 2,070 l.f. 24-in. do;
(12) 128 l.f. 30-in. 14-ga. do;
(13) 72 l.f. 30-in. 12-ga. do;
(14) 272 l.f. 36-in. 12-ga. do;
(15) 160 l.f. 36-in. 10-ga. do;
(16) 48 l.f. 48-in. CGMP (asphalt dipped);
(17) 74 l.f. sectional CGMP arch culvert;
(17a) 130 c.y. masonry in arch ring;
(18) 6 each type A spillway inlets;
(19) 109 c.y. Class A concrete (using C. M. culvert);
(19a) 94 c.y. Class A concrete (masonry arch);
(20) 8,200 lbs. reinforcing steel;
(21) 555 c.y. masonry (C M arch culvert);
(21a) 601 c.y. masonry (masonry culvert);
(22) extra work, clearing;
(23) extra work, obliterating existing roadway;
(24) exrat work, moving well and pipe line;
(25) extra work, placing rock;
(26) extra work, removal of slide and overburden.

Total bids follow:

(Alternate A: Items 1 to 26 inclusive, omitting Items 4a, 17a, 19a and 21a).

(Alternate B: Items 1 to 26 inclusive, omitting Items 4, 17, 19 and 21.)

(A) Morrison-Knudsen Co., Los Angeles, (Alt. A) $423,012.50; (Alt. B) $423,133.00.

(B) Granfield, Farrar & Carlin, San Francisco, (Alt. A) $474,366.30; (Alt. B) $482,479.30.

(C) Haas, Doughty & Jones and S. H. Palmer, San Francisco, (Alt. A), $498,635.80; (Alt. B) $501,805.80.

(D) Mittry Bros. Const. Co. Los Angeles, (Alt. A) $515,858.35; (Alt. B) $521,080.85.

(E) C. T. Malcolm and Ralph A. Bell, Los Angeles, (Alt. A) $535,432.00 (Alt. B) $538,497.00.

(F) Engineer's estimate, (Alt. A) $391,654.80; (Alt. B) $392,616.80.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 790.00	$ 800.00	$ 860.00	$ 1,125.00	$ 750.00	$ 600.00
(2)	.89	1.10	1.12	1.23	1.35	.85
(3)	.55	.40	.50	.37	.40	.55
(4)	2.25	2.00	2.50	1.75	2.00	1.50
(4a)	2.25	2.00	2.50	1.75	2.00	1.50
(5)	.02	.02	.02	.02	.03	.02
(6)	.30	.20	.20	.18	.30	.25
(7)	400.00	350.00	600.00	425.00	300.00	300.00
(8)	2.00	5.00	5.00	2.00	4.00	4.00
(9)	1.25	1.05	1.75	1.40	1.20	1.00
(10)	2.00	1.85	2.50	1.65	2.00	1.80
(11)	2.75	2.75	3.50	1.95	3.00	2.80
(12)	3.50	3.45	4.00	4.20	4.00	3.60
(13)	4.40	4.30	5.00	4.85	5.00	4.70
(14)	5.50	5.10	5.50	5.10	5.50	5.20
(15)	6.50	6.05	7.00	5.70	6.00	7.00
(16)	7.50	6.90	9.00	6.80	7.00	8.00
(17)	50.00	35.00	35.00	15.00	30.00	31.50
(17a)	25.00	38.00	35.00	45.00	35.00	23.00
(18)	20.00	25.00	25.00	15.50	12.00	15.00
(19)	40.00	35.00	35.00	35.00	35.00	40.00
(19a)	40.00	35.00	35.00	35.00	35.00	40.00
(20)	.08	.08	.08	.07	.07	.075
(21)	23.00	30.00	35.00	20.00	25.00	18.00
(21a)	23.00	38.00	35.00	20.00	25.00	18.00
(22)	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
(23)	200.00	200.00	200.00	200.00	200.00	200.00
(24)	500.00	500.00	500.00	500.00	500.00	500.00
(25)	100.00	100.00	100.00	100.00	100.00	100.00
(26)	11,050.00	11,050.00	11,050.00	11,050.00	11,050.00	11,050.00

All bids held under advisement.

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Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

August 11, 1934

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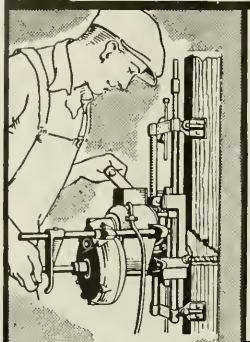
WAPPAT Electric TOOLS



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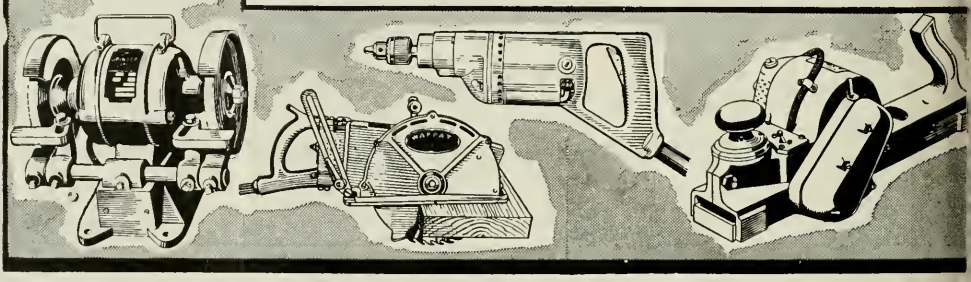

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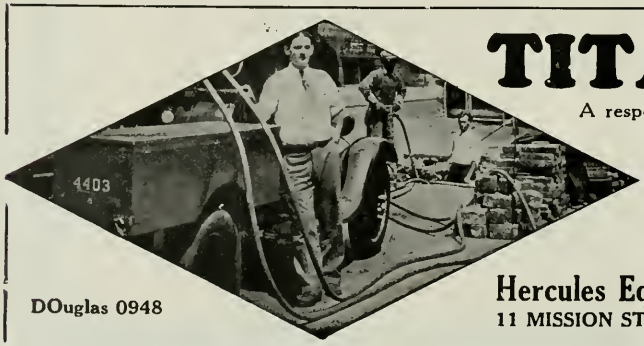

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Vol. XVII SAN FRANCISCO, CALIF., AUGUST 11, 1934 No. 32

LARSEN BROS. LOW BIDDER ON PLUMAS GRADING

Eleven Contractors Figure Federal Contract on Almanor Highway

Low bid was submitted to the U. S. Bureau of Public Roads yesterday by Larsen Bros., 5200 21st Ave. Sacramento, at $90,336, for grading a portion of Route 20, Almanor National Forest Highway in Plumas National Forest, Plumas County. Award of the contract to Larsen Bros. was recommended by the Bureau.

Eleven contractors submitted bids ranging from $90,336 to $127,817 on the work. The low bid was approximately $15,600 below the engineer's estimate.

Following is a list of the total bids submitted:

Larsen Brothers	$ 90,336.00
Young & Son Co., Ltd.	94,009.50
Frank C. Cuffe	96,992.50
A. Teichert & Son, Inc.	98,809.00
Dunn & Baker	103,421.70
Morrison - Knudsen	104,118.50
Granfield, Farrar & Carlin	110,630.30
Hemstreet & Bell	117,091.30
Ralph A. Bell	118,422.00
W. A. Bechtel	119,185.50
United Contracting Co.	127,817.50

The work includes, among other major items, approximately 157,000 cubic yards unclassified excavation, 200,000 station yards overhaul, and the laying of approximately 2,800 ft. of corrugated metal pipe.

PETRIE SECRETARY OF DEALERS ASS'N.

L. C. Petrie has been appointed secretary of the Western Construction Equipment Dealers' and Distributors' Association to fill the vacancy created by the death of Carl E. Kratz. Mr. Kratz was president of the firm of Kratz & McClelland, Inc., with which Mr. Petrie is connected.

MATERIAL PRICE AVERAGE LOWER

Building material prices registered a decline of an eighteenth of one percent during the week ending July 28, according to figures supplied by the U. S. Bureau of Labor Statistics. The decline is attributed to a two per cent decrease in lumber prices and lower prices for certain paint materials, sand, gravel and other building supplies. The index for the week was 86.7, as compared with 87.4 for the previous week and 80.1 for the corresponding week in 1933. New prices for lumber which were to have been announced this week in San Francisco will not be ready for several days, according to representatives of the Lumber Code Authority here.

$118,000 Yosemite Utility Building Bids Being Taken

The National Park Service is taking bids on a contract for the construction of a utility building for Yosemite Park. A number of San Francisco contractors are planning to submit bids on the work, cost of which has been estimated at $117,900.

The building, for which plans have been drawn by Park engineers, is to be a one- and two-story structure with reinforced concrete wall, steel frame, hollow tile partitions, cement floor and asbestos shingle roof. An oil-fired steam heating system is included in the general contract.

Contractors may obtain plans for the work from Park Superintendent C. J. Thompson, Yosemite National Park. Bids will be opened Aug. 28.

BUREAU ALLOTS $3,600,000 FUND FOR CONSTRUCTION

1934-35 Program for U. S. Highway Construction in Three States Ready

Allocation of $3,612,223 in highway construction funds to be expended on lands under jurisdiction of the Federal government in California, Arizona and Nevada, has been completed by the United States Bureau of Public Roads. The total represents appropriations to District 2 under the recovery highway program authorized by the last Congress for the fiscal year ending June 30, 1935.

Expenditures are supervised thru the office in San Francisco in charge of District Engineer C. H. Sweetser. The approved program of projects to be contracted during the current year will be announced by Mr. Sweetser shortly. In addition to the funds appropriated for the new year the local district has on hand a small balance from last year's recovery highway appropriation, which has been included in the new program.

The construction money is divided among the three states in District 2 as follows:

Forest Highways	
Arizona	$ 422,607
California	1,025,151
Nevada	132,492
Total	$1,580,250
National Parks Roads	
Grand Canyon	$ 253,215
Petrified Forest	74,475
Lassen	90,363
Sequoia	94,335
Yosemite	377,340
Total	$ 889,728
Federal Lands Highways	
Arizona	$ 355,080
California	245,040
Nevada	542,125
Total	$1,142,245

The totals above do not include the balance from last year's fund.

A.G.C. OPPOSES DIFFERENTIAL ON CODE PRICING

Discrimination Against Private Purchasers Seen In Order Modifying Bidding Rules

The executive committee of the Associated General Contractors of America, at its recent mid-summer meeting in Washington severely criticized the executive order issued by President Roosevelt on June 29, under which bidders on materials and supplies to governmental agencies are permitted to cut their quotations 15 per cent below their established open market prices.

Pointing out that the daily press generally has misinterpreted the order to mean that the cut price submitted for government contracts thereby becomes the bidder's open market price for the public, Edward J. Harding, managing director of the Associated General Contractors, states that on the contrary the sole purpose and operation of the order is to give governmental agencies a preferential discount under the prices that must be paid by private industry.

"Regardless of the feeble official explanation that the order was necessitated by the uniformity of price quotations that have been received by governmental agencies under NRA competitive rules, the order undoubtedly was prompted by the same bureaucratic considerations which resulted in the inclusion of governmental agencies in the Lumber and Cement Codes' definition of the wholesale trade, and, at the same time, in the exclusion of private wholesale purchasers," Harding declared. "It is a clear manifestation of governmental mania for the lowest bid, regardless of the cut-throat competition involved, and is an additional weapon in the hands of day labor advocates."

The general public need not look to the Executive Order to produce a cheaper market in which to make its purchases, for it will not operate that way and was not so intended, he states.

"On the other hand, that part of the general public represented by the construction industry may look forward to further encroachment of government into its field with day labor forces and an unjustifiable preferential purchasing power, the advantages of which, it is safe to say, will be dissipated in the actual work," Harding concluded.

STANDARD OIL PLANS $4,000,000 PIPELINE WORK

Company to Construct 108 Miles of Line Through Kern And San Luis Obispo

Standard Oil Co. of California yesterday announced plans for construction of a new pipe line, to cost approximately $4,000,000, which will connect the oil fields of the San Joaquin Valley with the company's marine terminal at Estero Bay, San Luis Obispo County.

Plans are being completed in the company's engineering offices, 225 Bush street, San Francisco, under supervision of Chief Engineer H. H. Hall. Construction will start about September 1. Portions of the work probably will be contracted, but a definite announcement will be made at a later date.

The line will consist of 108 miles of 12-inch steel pipe, starting at the company's Rio Bravo pump station in Kern county, near Bakersfield, and running through Cholame to Estero Bay where submarine loading facilities are located.

The line will have a capacity of 60,000 barrels of oil a day. Seven pump stations will be constructed at intervals on the route. A reservoir and steel storage tanks at the Estero terminal will be part of the construction program.

Bids August 16 On $100,000 S. F. Waterfront Bldg.

Bids for the construction of a bulkhead building on the San Francisco waterfront, to cost approximately $100,000, will be opened August 16 by the State Board of Harbor Commissioners.

The building, which is to be of the two-story steel frame type with timber wall, stucco front, and tar and gravel roof, will be erected over the existing pile foundation and concrete deck. Construction, however, will necessitate some additional piling, and this work is included in the contract now being figured.

COAST BUILDING PERMITS DECLINE DURING STRIKE

Drop Brings July Volume To Level Of Last January

Building permit volume, adversely affected by the disturbed labor conditions in principal cities of the Pacific Coast, dropped in July nearly to the level of last January. The total for municipal and county building departments in 7 states reporting to Daily Pacific Builder for the month was $4,435,737, comparing with $6,331,013 in July, 1933, and $5,164,317 in June, 1934. Last month's total will be somewhat increased by reports from cities which have not yet been received.

The number of permits issued dropped in proportion to the decline in value. Individual permits reported total 4822 in July; 5730 in July, 1933; 5539 in June, 1934.

Los Angeles was the only large city reporting a substantially increased expenditure in July over June. Permits were about the same in number and the increase in value is due principally to the school reconstruction program in progress in the city. Portland reported approximately the same total for both months.

San Francisco and Seattle showed sharp decreases.

Totals for the ten cities reporting largest volume follows:

Los Angeles	$1,310,398
San Francisco	288,028
Beverly Hills	208,155
Oakland	203,562
Long Beach	188,533
San Diego	177,603
Pasadena	173,550
Sacramento	163,513
Portland	133,080
Seattle	113,850

The 13-month review of building permits for the Pacific Coast appears on page three.

New orders booked during the second quarter of 1934, as reported to the Bureau of the Census by 78 manufacturers of electrical goods, were $128,033,723, as compared with $92,302,245, for the first quarter of 1934, and $79,856,484, for the second quarter of 1933.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
370	Piombo	Masarie	5000
371	Kreider	Unit	1000
372	Piombo	Masarie	5000
373	Town	Meinberger	2000
374	Corral	Bay	1400
375	Honig	Lindsay	4000
376	Union	Union	3000
377	Williams	Doering	1000
378	Fridahl	Owner	2500
379	Myers	Jacks	27000
380	Investment	Emanuel	1000

FLATS
(370) NW 19th and CONNECTICUT; 2-story and basement frame flats.
Owner—Mr. and Mrs. L. Piombo, 251 Arkansas Street.
Architect—Not Given.
Contractor — Masarie and Cuneo, 2550 19th Street. $5000

ALTERATIONS
(371) 918 MARKET ST.; alter store.
Owner—Mrs. Kreider and Lewis, 918 Market Street.
Architect—Not Given.
Contractor—Unit Built Fixture Co., 963 Harrison Street. $1,000

FLATS
(372) N 19th 51 W CONNECTICUT; 2-story and basement frame flats.
Owner—Mr. and Mrs. L. Piombo, 251 Arkansas Street.
Architect—Not Given.
Contractor — Masarie and Cuneo, 2550 19th Street. $5000

ALTERATIONS
(373) SE STOCKTON AND MAIDEN Lane. Alter store.
Owner—Town and Country Club, 218 Stockton St., San Francisco.
Architect—Bliss & Fairweather, 1001 Balboa Bldg., San Francisco.
Contractor — H. S. Meinberger, 343 4th St., San Francisco. $2000

ALTERATIONS
(374) NO. 117 O'FARRELL ST. Alter store.
Owner—A. Del. Corral; M. Levine & R. Levine, 501 Taylor St., S. F.
Architect—Not Given.
Contractor—Bay City Service Co., 15 Harriet St., S. F. $1400

DWELLING
(375) E TWENTY-SIXTH AVE. 230 N California St. One-story and basement frame dwelling.
Owner—George Honig, 2908 California St., San Francisco.
Architect—Not Given.
Contractor—Boyd C. Lindsay, 183 Oxford St., S. F. $4000

SERVICE STATION
(376) SE PINE AND FRANKLIN. One-story frame service station.
Owner—Union Oil Co.. Mills Bldg., San Francisco.
Plans by E. M. Northman, Union Oil Co., San Francisco. $3000

ALTERATIONS
(377) NO. 1165 SHOTWELL ST. Alter flats.
Owner—D. Williams, 1033 Capp St., San Francisco.
Architect—Not Given.
Contractor—G. J. Doering, 1222 Masonic Ave., S. F. $1000

ALTERATIONS
(378) No. 63 DELMAR ST. Alter dwelling.
Owner—H. Fridahl, Premises
Architect—Not Given. $2500

LOFT BLDG.
(379) W NINTH ST. 150 N Howard St. Three-story Class C loft building.
Owner—L. A. Myers, % Contractor.
Architect — Hyman & Appleton, 68 Post St., San Francisco.
Engineer—H. Rosenthal, 821 Market St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St., S. F. $27,000

ALTERATIONS
(380) NE POST AND STOCKTON Sts. Alter store.
Owner — Investment Properties Co., Alexander Bldg., San Francisco.
Architect—Not Given.
Contractor — L. & E. Emanuel, Inc., 2665 Jones St., S. F. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
319	Smith	Owner	1100
320	Summit	Owner	1000
321	Santa Cruz	Parker	10000
322	Santa Cruz	Parker	40000
323	Berkeley	Netherby	4000
324	Johnson	Owner	1500
325	Scammell	Owner	4500
326	Walker	Owner	4000

ADDITION
(319) 4026 LUSK ST., **OAKLAND**; addition.
Owner and contractor, Andrew Smith, 4026 Lusk St., Oakland.
Architect—Not Given. $1100

ALTERATIONS
(320) 400 29th ST., **OAKLAND**; alterations.
Owner and contractor—Summit Medical Bldg., 400 29th St., Oakland.
Architect—A. J. Evers, 525 Market St., San Francisco. $1000

PACKING PLANT
(321) N END WEBSTER STREET, **ALAMEDA**. Packing plant.
Owner—Santa Cruz Portland Cement Company.
Architect—Not Given.
Contractor—K. E. Parker, 135 South Park, San Francisco. $10,000

SILO
(322) N END WEBSTER STREET, **ALAMEDA**. Cement silo.
Owner—Santa Cruz Portland Cement Company.
Architect—Not Given.
Contractor—K. E. Parker, 135 South Park, San Francisco. $40,000

DWELLING
(323) 486 GRIZZLY PEAK BLVD., **OAKLAND**; 2-story 6-room frame dwelling and garage.
Owner — Berkeley Hillsides Property Co., San Francisco.
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road, Oakland. $4000

DWELLING
(324) NO. 904 BLAIR AVE., **OAKLAND**. One-story 3-room dwelling.
Owner — C. B. Johnson, 906 Blair Ave., Oakland.
Architect—Not Given. $1500

DWELLING
(325) NO. 3738 ELSTON AVENUE, **OAKLAND**. One-story six-room dwelling.
Owner—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4500

DWELLING
(326) NO. 460 CRAGMONT AVE., **BERKELEY**. Two-story 6-room frame dwelling and garage.
Owner — J. M. Walker, 1709 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Adison St., Berkeley. $4000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
76	Stelling	Sartorio	2286

ALTERATIONS
(76) 2231 CHESTNUT ST.; alterations to building.
Owner—Stelling & Gould, Ltd., premises.
Architect—Bertz, Winter & Maury, 681 Market Street.
Contractor—P. Sartorio, 2440 Greenwich Street.
Filed, Aug. 1, '34. Dated, July 31, '34.
Completion and aceptance.....$1714
Usual 35 days 572
TOTAL COST, $2286
Bond, $2286. Sureties, American Bonding Co. of Baltimore. Limit, within 15 working days from Aug. 2. Plans and Spec. filed.

SAN FRANCISCO UNDER $1000

owner, Blue Ribbon Cafe, 602 Larkin St.; contractor, QRS Neon 690 Potrero Ave.

SIGN, electric, $100; 382 Ellis Street; owner, Black Derby, Prem.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $125; 230 Eddy St.; owner, Olympic Hotel, 230 Eddy St.; contractor, Novelty Elec. Co. 66 Washburn St.

GARAGES, private, $175; 1271 Bosworth St.; owner, H. J. Simons, Premises.

SIGN, electric, $30; 3118 16th Street; owner, Walter's Tavern, 3118 16th St.; contractor, Pioneer Electric Co., 2128 Market St.

SIGN, electric, $150; 1345 Folsom St.; owner, Treat U Kite Inn, Prem. contractor, G. G. Neon Sign Co., 355 8th St.

ALTER flat, $20; 40-42 Sanchez St.; owner, Martin Holier. Premises. owner, J. D'Agostini, 1245 Jackson St.; contractor, Acme Construction Co., 301 Evergreen St.

SIGN, electric, $100; 782 O'Farrell St. owner, Cal's Tavern, Prem.; contractor, QRS Neon Sign Corp., 690 Potrero Ave.

SIGN, electric, under $500; 3128 16th St.; owner, Rainier Brewing Co., 1550 Bryant St.; contractor, Atlas Elec. & Engr. Corp., 343 4th St.

STUCCO dwelling, $200; 654 Carolina St.; owner, T. Scolice, Premises.

SIGN, electric, $150; 949 Market St.; owner, San Francisco Billiard Parlor, Prem.; contractor, Apex Elec. Co., 363 Fell St.

FLUES (2) patent, $35; 316 Highland St.; owner, Westerlund & Nylund, 2355 28th Ave.; contractor, New Mission Sheet Metal Works, 3401 Mission St.

ADD to dwelling, $100; 949 Athens St. owner, Agnes G. Scharety, 949 Athens St.

SHED, $100; 546 Bayshore Blvd.; owner, Mission Rubber Co., 21st and Harrison Sts.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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8.—Club Buildings
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10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
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15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Contracts Awarded.

ALTER APTS. Cost, $——

SAN FRANCISCO. Folsom and 12th Streets (1629 Folsom St.)

Alterations to 3-story frame and stucco apartment building (tar & gravel roof, hardwood floors, tile in baths, etc.)

Owner—Mrs. A. F. Bickel.

Architect—R. H. Bickel, 9 Geary St., San Francisco.

Contractor—Robt. McCarthy, 1363 14th Ave., San Francisco.

Work is to be done on a cost plus 10% basis, under the supervision of Robert McCarthy.

Heating—George A. Wara, Inc., 6427 Geary St., San Francisco.

Plumbing — J. E. O'Mara, 2720 McAllister St., San Francisco.

Electric Wiring—Tattenham Electric Co., 35 Marston Ave., San Francisco.

Roofing—James Reilly, 20 Isabel St., San Francisco.

Sheet Metal — National Sheet Metal Works, 3168 Mission St., S. F.

Lumber—Sudden Lumber Co., Evans and Quint Sts., San Francisco.

Painting, plastering, tile work, glass and glazing, ornamental iron, hardwood floors, window shadeqs to be let later.

2— BONDS

BONDS SOLD

SANTA CLARA COUNTY, Calif.—A bond issue of $18,000 for the Los Gatos School District has been sold by the Santa Clara County Board of Supervisors to Weeden and Co., San Francisco, at an interest rate of 3½% and premium of $205. The proceeds will finance improvements of the Los Gatos Elementary School.

BOND SALE

GILROY, Santa Clara Co., Calif.—Until August 20, 10 A. M., bids will be received for purchase of $29,000 in bonds of the City of Gilroy, proceeds to finance construction of a new water supply main. The contract for the pipe line has been let to U. S. Pipe and Foundry Co. at $29,683.

The bond money will be supplemented by a PWA grant.

BONDS SOLD

MADERA COUNTY, Cal.—Bank of America, San Francisco, offering a premium of $35, submitted the highest bid to the Madera County Board of Supervisors for an issue of $70,000 in 4% bonds for construction of the county hospital at Madera. A grant of $27-000 has been allotted by PWA. Plans are being prepared by Architect Ernest J. Kump, 533 Rowell - Chandler Bldg., Fresno. Structural Engineer, F. W. Kellberg, 544 Market St., San Francisco.

BONDS SOLD

SONOMA COUNTY, Calif.—A bond issue of $160,000 to finance construction of the Analy Union High School building has been sold by the Sonoma County Board of Supervisors to R. H. Moulton & Co., San Francisco. The bond house bid 5% interest on $15,000 of the issue, 4½% on $35,000 and 3½% on $110,000. In addition a premium of $33 was offered.

Plans for the new school are being prepared by Architects Louis Stone and J. R. Rowell, Humboldt Bank

4 — FACTORIES & WAREHOUSES

Sub-Contracts Awarded

WAREHOUSE, ETC. Cost, $121,000

OAKLAND, Alameda Co., Cal. Outer Harbor, Foot of 14th Street.

Two - story reinforced concrete warehouse (518x101 feet) sprinkler system, built-up tar and gravel roof, concrete floors, rolling steel doors, electric elevator, 520 feet of railroad track, etc.

Owner—City of Oakland Port Commission.

Plans by Engineering Dept. of Owner.

Lessee—Rosenberg Bros., Oakland.

Contractor—K. E. Parker Co., 135 So. Park, San Francisco.

Sheet Metal—Dickson and Holbrook Sheet Metal Works, 2180 Dwight Way, Berkeley.

Lath and Plaster—Wm. Makin, 2141 Livingston St., Oakland.

Roofing—Malott & Peterson, 3221 20th St., San Francisco.

As previously reported, reinforcing steel awarded to W. S. Wetenhall; painting to Jos. J. Burdon; steel forms to Deslauriers Metal Products Co.; plumbing to Carl T. Doell; miscellaneous iron to Frauneder Ornamental Iron Works; glass to W. P. Fuller and Company.

Sub-Contracts Awarded

WHARF, SILOS, ETC. Cost, $40,000

ALAMEDA, Alameda Co., Cal. Foot of Webster Street.

Concrete wharf, concrete silos, and concrete packing house (wharf to accommodate ship 400 ft. long).

Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.

Plans by Engineering Dept. of Owner.

Contractor—K. E. Parker Co., 135 So. Park, San Francisco.

Structural Steel—Moore Dry Dock Co., Oakland.

Miscellaneous Iron—Frauneder Ornamental Iron Works, 335 8th Street, Oakland.

As previously reported, pile driving awarded to Healy-Tibbitts Const. Co., San Francisco.

Prospective Bidders—(Bids Close Aug. 16, 2 P. M.)

BULKHEAD BLDG. Cost, $100,000

SAN FRANCISCO. Waterfront bet. Piers No. 38 and 40.

Bulkhead building (2-story steel frame timber wall, stuco front, tar and gravel roof; 40x450 ft.) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.

Owner—State of California (Harbor Commission), Ferry Bldg.

Engineer—Frank G. White, Ferry Building.

Plans available from the State Board of Harbor Commissioners, Room 18, Ferry Bldg., upon deposit of $30.

Following have procured plans, all bidders being of San Francisco unless otherwise noted:

Judson Pacific Co., 609 Mission St.

E. L. Stoneson, 279 Yerba Buena Avenue.

Healy-Tibbitts Const. Co., 64 Pine Street.

Barrett & Hilp, 918 Harrison St.

Empire Const. Co., 100 Bush St.

Frank J. Reilly, 6350 Fulton St.

Minneapolis Steel Co. (C. J. Waterhouse) 55 New Montgomery St.

Golden Gate Iron Works, 1541 Howard Street.

K. E. Parker, 135 South Park.

Tilden Lumber & Mill Co., 1291 Delaware St., Berkeley.

F. C. Amoroso & Sons, Corner Keith and Wallace Avenue.

Herrick Iron Works, 1729 Campbell St., Oakland.

Fenestra Window Co., 63rd & Doyle St., Oakland.

MacDonald & Kahn, 200 Financial Center Bldg.

Pacific Coast Steel Corp., 20th and Illinois Streets.

M. B. McGowan, 74 New Montgomery Street.

Soule Steel Co., 1750 Army Street.

Moore Dry Dock Co., foot of Adeline St., Oakland.

James L. McLaughlin, 251 Kearny.

Ingalls Iron Works, 2118 Encinal Ave., Alameda.

San Francisco Const. Co., 3159 Fillmore Street.

Rolph Mills & Co., 525 Market St.

N. H. Sjoberg & Son, 74 New Montgomery Street.

Anderson & Ringrose, 320 Market St.

Sub-Contracts Awarded.

ADDITION Cost, $15,000

SAN FRANCISCO. No. 300 Broadway

One-story reinforced concrete top addition to printing building. Work involves installation of elevator, electrical work, steel sash, reinforcing steel, etc.

Owner—Printers Building, Inc., Prem.

Architect—H. A. Minton, 525 Market St., San Francisco.

Engineer—L. H. Nishkian, 525 Market St., San Francisco.

Contractor—David Paganini, 519 California St., San Francisco.

Sub-contracts have been awarded as follows.

Lumber—Allen & Dettman, 2200 Evans Ave., San Francisco.

Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., San Francisco.

Contract Awarded.

WHARF SHED Cost, $——

VALLEJO, Solano Co., Cal. Virginia Street Wharf.

Frame shed (16x42 ft.) containing office and storge space to be erected on municipal wharf at Virginia Street.

Owner—City of Vallejo.

Plans by Engineering Dept. of Owner (City Engineer T. D. Kilkenny.)

Low Bidder—J. Bitcon, 628 Louisiana St., Vallejo.

Contract was awarded to low bidder.

Complete bids follow:

J. Bitcon, Vallejo.....$ 80

Frank Lamb, Vallejo.....881
Alfred H. Vogt, San Francisco.. 973
Thomas J. Doyle, San Francisco 1117

Contract Awarded
WAREHOUSE Cost, $27,000
SAN FRANCISCO. Ninth Street near Howard Street.
Three-story Class C loft building (concrete frame, wood joist floor, composition roof).
Owner—L. A. Myers, % Contractor.
Architect—Hyman & Appleton, 68 Post Street.
Structural Engineer — Hyman Rosenthal, 821 Market Street.
Contractor—Jacks and Irvine, 74 New Montgomery Street.

5— FLATS

Plans Completed
FLATS Cost, $5000
SAN FRANCISCO. N 19th Street W of Connecticut St.
Two-story and basement frame and stucco flats (2 flats); tar and gravel roof, hardwood floors, gas-fired hot air heating.
Owner—L. Piombo, 251 Arkansas St., San Francisco.
Private Plans.
Contractor—Masario & Cuneo, 2550 19th St., San Francisco.
Contractor is taking sub-bids on all portions of the work.

Plans Completed.
FLATS Cost, $5000
SAN FRANCISCO. NW Nineteenth and Connecticut Streets.
Two-story and basement frame and stucco flats (2 flats); tar and gravel roof, hardwood floors, gas-fired hot air heating.
Owner—L. Piombo, 251 Arkansas St., San Francisco.
Private Plans.
Contractor — Masarie & Cuneo, 2550 19th St., San Francisco.
Contractor is taking sub-bids on all portions of the work.

6—GARAGES & SERVICE

Contract Awarded
SERVICE STATION Cost, $10,000
STOCKTON, San Joaquin Co., Calif. California and Oak Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3455 Laguna Ave., Oakland.

Completing Plans
SERVICE STATION Cost, $7,500
BERKELEY, Alameda Co., Cal. Grove Street between Yolo and Hopkins.
One-story Class C brick super service station.
Owner—General Petroleum Corp. (Lessee) 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Construction is delayed until the city establishes proposed set-back line. Figures may be taken in about three weeks.

Contract Awarded
GARAGE Cost, $7176
SAN JOSE, Santa Clara Co., Cal. N. First and St. James Streets.
Addition to one-story garage bldg.
Owner—R. M. Cuthbert, 45 West St. James St., San Jose.
Architect—Wm. E. Higgins, 19 North Second St., San Jose.
Contractor—Whiteside Bros., 71 South Nineteenth St., San Jose.

Contract Awarded
SERVICE STATION Cost, $4000
SAN FRANCISCO. Pine and Franklin Streets.
Steel and concrete service station (steel sides and roofing, concrete floors, steel sash, plate glass, toilets, etc.)
Owner—Union Oil Co., 220 Bush St.
Architect—Edith Northan, 3052 West Pico Blvd., Los Angeles.
Contractor—Robert Kelly, 2227 Twentieth Avenue.
Sub - contracts will be announced shortly.

7—FEDERAL BUILDING

BIDS OPENED
PORTLAND, Ore. — Dougan-Hammond Constr. Co., Studio Bldg., Portland, at $7750 submitted low bid to Custodian, U. S. Custom House, Portland, for repairs and exterior painting. Other bids were Edward J. Barrett, $8998; George H. Buckler Co., $9300; Henemann & Johansen, $9784.

Complete Bid Listing.
EXTEND P. O. Cost, $110,000
SANTA CRUZ, Santa Cruz Co., Cal.
Extension and remodeling of present Post Office Bldg. (stone and terra cotta exterior, tile roof, etc.)
Owner—United States Government.
Plans by Treasury Dept., Washington D. C.
Low Bidder — Dinwiddie Constr. Co., 210 Crocker Bldg., San Francisco.
Complete bids follow:
Dinwiddie Constr. Co., S. F.....$87,600
William Spivock, S. F..... 90,129
Robert E. McKee, Los Angeles 90,500
K. E. Parker Co., S. F..... 91,280
Wm. MacDonald Constr. Co., St. Louis, Mo. 96,326
Schuler & McDonald, Oakland 99,000

COMPLETE BIDS
SAN DIEGO, Cal.—Olmstead Bldg. Co., 1847 Hancock St., San Diego, at $15,495, submitted low bid to Treasury Department, Washington, D. C., for construction of Senior Medical Officers' Quarters, U. S. Government Station, San Diego.
Complete bids follow:
Olmstead Bldg. Co., San Diego..$15,495
Herbert Mayson, Los Angeles.... 15,690
W. E. Melhorn, San Diego..... 15,995
L. F. Dow Co., Los Angeles..... 17,760

CONTRACT AWARDED
SAN FRANCISCO.—Fred J. Early, Jr., 369 Pine Street, second low bidder at $497 awarded contract by U. S. Department of Justice, Bureau of Prisons, for installing concrete and grating partitions with steel door in entrance hallway, Building 68 U. S. Penitentiary, Alcatraz Island. Low bid at $495 submitted by Herbert K. Henderson, Oakland, was disqualified by failure to include drawings of proposed work.

BIDS OPENED
VALLEJO, Solano Co., Cal. — Franklin Starrett Co., Washington, D. C., at $396 submitted low bid and will be awarded contract by Custodian, Vallejo Post Office, for furnishing two aluminum hand rails for the Post Office. Following bids received:
Franklin Starrett Co., Washington, D. C. $396.00
Shower Door Co., Berkeley..... 410.00
Monarch Iron Works, S. F..... 484.00
McNeil Steinberg Co..... 488.00
Michel & Pfeffer, S. F..... 498.00
Public Building Contractors New York City..... 499.99
Industrial Orn. Iron Works.... 546.00
Newman Bros. 673.00
Bids were received by Acting Postmaster J. J. Madigan.

PROSPECTIVE BIDDERS
HAMILTON FIELD, Marin Co., Cal. —Plans for construction of boat house and decking at Hamilton Field, for which bids will be received August 15, 11 A. M., as previously reported, have been issued to the following:
Frank J. Reilly, 6350 Fulton Street, San Francisco.
Young & Horstmeyer, 461 Market St. San Francisco.
H. H. Robertson.
Fred. J. Early, Jr., 369 Pine Street, San Francisco.
Thos. J. Doyle, 1527 27th Ave., San Francisco.
Blessing & Jeffers, 3401 Mission St., San Francisco.

BIDS WANTED
SAN FRANCISCO—Until August 16, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for construction of additions to finance office, Bldg. No. 19, Fort Mason. Specifications obtainable on deposit of $5 at the office of the Constructing Quartermaster.

BIDS WANTED
YUMA, Ariz.—Until Aug. 24, 2 P. M., new bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for an air conditioning system to be installed in the United States Post Office at Yuma, Arizona. Plans and specifications may be obtained from the department in Washington or from the custodian of the building in Yuma. Appropriation for the work is $20,000. All bids received June 29 were rejected.
York Ice Machinery Co., 5051 Santa Fe Ave., Los Angeles, at $22,990 submitted the low bid previously.

SITE SELECTED
SAN FRANCISCO. — A site in the block bounded by Duboce, Hermann, Webster and Buchanan Sts., has been selected as the location of the new San Francisco Mint, it is reported unofficially. The office of Supervising Architect Wm. Arthur Newman, San Francisco, has not been advised of the choice reported in Washington. The new mint will replace the present structure at Fifth and Mission Sts. Approximately $1,500,000 will be available for the building.

Phone TRinity 0241 for —Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel 656 S. Los Angeles St. Los Angeles, Calif.

BIDS OPENED

SAN JOSE, Santa Clara Co., Calif.—Venetian Blind Mfg. Co., Los Angeles, at $829 (Venetian blinds) and the Aeroshade Co., Waukesha, Wis., at $740 (wood slat shades) submitted low bids to Treasury Department, Washington, D. C., for furnishing 83 blinds or shades for San Jose Post Office under Proposal 207.

Complete bids follow:

Venetian Blinds

Venetian Blind Mfg. Co., Los Angeles	$ 829.00
Venetian Blind Corp., L. A.	844.75
Higgins Mfg. Co., Newport, Ky.	885.05
Watson Mfg. Co., Jamestown, New York	891.44
Bostwick-Godell Co., Norwich Ohio	945.81
McRee Green Mfg. Corp., St. Louis, Mo.	946.46
Rolscreen Co., Pella, Iowa	970.70
L. Leon & Sons Co., San Jose	982.50
Ry-Lock Co., San Leadro, Cal.	1,000.00
E. C. Dahn & Co., S. F.	1,099.50
A J Ruhlman & Co, Inc., San Francisco	1,138.25

Wood Slate Shades

Warren Shade Co., Inc., Minneapolis, Minn.	$ 810.60
The Aeroshade Co., Waukesha, Wisconsin	740.00
Sherwood Curtain Co., N. Y.	755.60

BIDS WANTED

SAN DIEGO, Cal.—Until August 16, 11 A. M., bids will be received by the Public Works Officer, 11th Naval District, foot of Broadway, San Diego, under Spec. 7752, for altering an existing two-story frame building for use as quarters. Work includes carpentry, plumbing, electrical, painting, etc.

Plans and specifications obtainable from above on deposit of $10.00.

COLTON, San Bernardino Co., Cal.

BIDS WANTED

—Until Sept. 5, 3 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for construction of the U. S. post office at Colton, as previously reported. The sum of $57,200 has been appropriated for the building and site.

Plans and specifications obtainable from W. E. Reynolds, Assistant Director of Procurement, Treasury Department, Public Works Branch. Deposit $15. Checks should be made payable to Treasurer of United States.

BIDS WANTED

FRESNO, Fresno Co., Calif.—Until August 17, bids will be received under Proposal 7445 by the Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for furnishing steel and glass necessary to build a greenhouse addition to the laboratory building at Fresno.

Prospective Bidders—(Bids Close August 22, 3 P. M.)

POST OFFICE Cost, $45,100

ROSEVILLE, Placer Co., Cal.

One-story and basement Post Office Building (65x70 ft.) concrete wall, stucco exterior, tile coping, composition roof, structural steel, steel sash, steam heat.

Owner—U. S. Government (Treasury Department).

Architect — Supervising Architect, Treasury Dept., Washington, D. C.

Plans and specifications obtainable from Treasury Dept., W. E. Reynolds, Asst. Director of Procurement, Washington, D. C., on deposit of $15.

Plans have been issued to the following:

Mechanical Engineering Service, Washington, D. C.

W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.

Schuler & McDonald, Inc., 1723 Webster St., Oakland.

Fred J. Maurer & Son, Inc., Eureka

Fred H. Betz, 1017 43rd St., Sacramento.

Libby & Libby Co., 244 Second Ave. S. Minneapolis, Minn.

Regal Constr. Co., 2207 Hannaford Ave., Norwood, Ohio.

Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.

Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.

CONTRACT AWARDED

SEATTLE, Wash.—J. W. Rollison, 1202 N. 46th St., Seattle, at $2000 awarded contract by Treasury Department for waterproofing parapet on the Federal Office Building, Seattle, Wash.

8— CLUB BUILDINGS

Owner Taking Figures

CLUBHOUSE Cost, $8000

NEWARK, Alameda Co., Calif.

One - story wood frame club house (Swiss Chalet type).

Owner—Alpine Swiss Society (Frank Fries in charge) RFD Box 132, Newark.

Architect—Wm. Higgins, 19 N. Second St., San Jose.

Figures are being received by Frank Fries, RFD Box 132, Newark, Secretary, Alpine Swiss Society.

9— HOSPITALS

LOW BIDDER

SEATTLE, Wash.—Hanover Chemical & Mfg. Co., Newark, N. J., at $4,078 submitted lowest regular bid to the Treasury Department, Washington, D. C., for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering in the U. S. Marine Hospital at Seattle.

10— HOTELS

Contract Awarded.

HOTEL AND STORE Cost, $28,000

HALF MOON BAY, San Mateo Co.

Two-story frame and stucco hotel and store building (8 hotel rooms with private baths and two four-room apartments; 2 stores on first floor, barroom, dining room and kitchen); composition and tile roof, oil-fired steam heating system.

Owner—F. Belli, Half Moon Bay.

Private Plans.

Contractor—R. Foliotti, 200 Cervantes Blvd., San Francisco.

Clarence W. Jackson, 628 Crescent Ave., San Mateo, is owner's representative and will supervise construction.

12— POWER PLANTS

BIDS WANTED

BOULDER DAM, Nevada — Until August 27, 2 P. M., bids will be received by the U. S. Bureau of Reclamation, Denver, Colo., under Spec. 582 for furnishing metal-sash windows, window operators, spandrels, panels, louvres, mullions, rolling doors and lanterns for installation in the Boulder Dam Power Plant, and appurtenant works, Boulder Canyon project.

Bids are to be taken for delivery f.o.b. cars at the factory shipping point or at Boulder City, Nevada. The materials will be installed by the Government.

No charge for specifications and drawings to prospective bona fide bidders; to others $2.50, not returnable.

Information from Bureau of Reclamation, Denver, Colo.; or Washington, D. C.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed.

CITY HALL Cost, $15,000

GRASS VALLEY, Nevada Co., Cal.

One- and two-story reinforced concrete city hall.

Owner—City of Grass Valley.

Architect — Charles Dean, California State Life Bldg., Sacramento.

Structural Engineer—F. W. Kellberg, 544 Market St., San Francisco.

Plans have been completed and approved by the city council, subject to minor revisions. Bids may be called within two weeks.

Preparing Preliminary Plans

AUDITORIUM Cost, $400,000

FRESNO, Fresno Co., Cal. Fresno and Merced Streets.

Auditorium to seat 2300 on the main floor and 1200 in balcony (56-foot stage, art gallery, little theater, committee rooms, partial basement kitchen and banquet room; central telephone system; air conditioning)

Owner—City of Fresno.

Architects—Allied Architects (W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz and E. W. Peterson, 304 Rowell Bldg., Fresno.)

Constulting Architects—Chas. Butner and Edward Glass, 175 N. Fulton St., Fresno.

Preliminary plans have been submitted to committee of civic organizations for approval and are now being revised.

Sub-Contracts Awarded

OFFICES Cont. Price, $31,213

STOCKTON, San Joaquin Co., Calif. NE Center and Rose Streets.

One - story and basement reinforced concrete highway office bldg. for State Highway Division (tile roof).

Owner—State of California.

Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Contractor—John J. Cavanagh, 219 N. Sutter St., Stockton.

Sub-contracts have been awarded as follows:

Excavation—Willard & Biasotti, 40 W. Clay St., Stockton.

Concrete—D. J. Depauli, 982 Pleasant Ave., Stockton.

Brickwork—R. Davidson, 1432 S. Hunter St., Stockton.

Millwork—Electric Planing Mill, Hazelton and Monroe Sts., Stockton.

Lumber—Lodi Lumber Company.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

Roofing and Waterproofing—W. J. Anderson, 3825 Army St., San Francisco.

Painting—J. F. Ecker, 17 W. Poplar St., Stockton.

Elevators—Whitney Dumb Waiter Co.

Rough Hardware—Austin Bros., 544 E. Main St., Stockton.

As previously reported, electric contract awarded to Eddy Electric Co., 309 E. Weber St., Stockton, at $2378; plumbing to Carpenter and Mendenhall, 907 Front St., Sacramento, at $2650; heating and ventilating to Carpenter & Mendenhall, at $6060.

Excavation has been finished. Subcontracts are to be let by the general contractor shortly for ornamental iron, sheet metal, plastering, marble, tile work, glass and glazing.

BIDS OPENED

PETALUMA, Sonoma Co., Cal.—Robert Smith, Petaluma, at $279 submitted low bid to the Petaluma City Council for removal of the town clock and tower from the Masonic

Building and for making necessary repairs to the building. Complete bids follow:
Robert Smith, Petaluma.....$279.00
Vogensen Const. Co., Petaluma 630.00
Petaluma Const. Co., Petaluma 637.55
Bids were taken under advisement.

14— RESIDENCES

Plans Completed.
RESIDENCE Cost, $3000
MENLO PARK, San Mateo Co., Cal. Oak Grove Avenue.
Five-room frame and plaster cottage (composition roof).
Owner — Corpus Christi Monastery, Oak Grove Ave., Menlo Park.
Architect — Arnold Constable, 580 Market St., San Francisco.
Plans will be issued to contractors in about two weeks.

Contract Awarded
RESIDENCE Cost, $8,000
SAN JOSE, Santa Clara Co., Cal. 1601 The Alameda.
Nine-room residence .
Owner—A. A. Zolezzi, 1990 The Alameda, San Jose.
Architect—Not Given.
Contractor—George Kocher, 98 S 3rd St., San Jose.

Contract Awarded
ALTERATIONS Cost, $—
SAN MATEO COUNTY, Calif.
Alterations and additions to various ranch buildings located on Santa Cruz Ave., Menlo Park.
Owner—Alpine Properties Company.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Electrical—Dingman's Electric Service Shop, 1027 Allerton St., Redwood City.
Award of plumbing contract will be announced shortly.

August 7, 1934
To Ask Bids
RESIDENCE Cost, $7000
SAN JOSE, Santa Clara Co., Cal. Calaveras Avenue.
One-story six-room frame and stucco residence (oak floors, two baths, tile roof) gas-fired hot air heating system to be let under separate contract.
Owner—Withheld.
Architect—Wm. E. Higgins, 19 North Second St., San Jose.
Plans will be ready for contractors August 9. Bids will close in about ten days.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3738 Elston Avenue.
One-story six-room dwelling.
Owner and Builder—J. W. Scammel, 424 Scenic Ave., Piedmont.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Cragmont Ave. and Grizzly Peak Blvd.
Two-story frame, brick veneer and redwood siding residence (6 rooms) shingle roof, gas heating system, hardwood floors, tiled bath.
Owner & Builder—J. M. Walker, 1700 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Sub-contracts have been awarded as follows:
Concrete—Axel Johnson, 1844 Channing Way, Berkeley.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Plumbing — Suendermann Plumbing Co., 921 University Ave., Berkeley.

Contract Awarded
RESIDENCE Cost, $5000
SAN FRANCISCO. Twenty-sixth Ave. near California Street.
One-story frame and stucco five-room patio type residence (gas furnace).
Owner—George Honig, 2908 California Street.
Private Plans.
Contractor—Boyd C. Lindsay, 183 Oxford Street.
Work will start in about one week. Contractor is taking figures on portions of the work to be sub-let.

Completing Working Drawings.
RESIDENCE Cost, $4000
SAN MATEO PARK, San Matto Co., Cal. Dorchester Road.
Alterations to frame and stucco residence, including plumbing, electrical, tile, plastering, painting, etc
Owner—Rolland E. Watt, 414 Dorchester Road, San Mateo.
Architect—G. M. Grimes and Albert R. Williams, 251 Post St., San Francisco.
Bids will be taken about August 21 from a selected list of general contractors

15— SCHOOLS

FIRE DAMAGE
SELMA, Fresno Co., Cal.—The Shop building of Selma Union High School destroyed by fire with loss estimated at $10,000, including equipment. The building was a two-story frame structure. Loss is covered by insurance and the building will be replaced. Geo. Howden, principal of the school.

Bond Election Date Set.
SCHOOL Cost, $35,000
GRIDLEY, Butte Co , Cal.
Replace McKinley Primary School wth one-story frame and stucco building, (12 rooms), concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School Distriocl.
Architect—George Sellon, California State Life Bldg., Sacramento.
Trustees have called an election for August 30 at which time a bond issue of $35,000.00 will be submitted to the voters.

Sub-Contracts Awarded
SCHOOL Cost, $177,260
LOS ANGELES, Cal. Campus of the University of California.
Three-story and basement steel frame, concrete and brick addition to the chemistry building.
Owner—University of California.
Architect—George Kelham, 315 Montgomery St., San Francisco.
Contractor—Sarver & Zoss, Inc., 1015 W. Fourth St., Los Angeles.
Following sub-contracts awarded:
Structural Steel — McClintic Marshall Corporation.
Reinforcing Steel—Soule Steel Co., Los Angeles.
Hollow Metal—A. J. Bayer Co., 2300 E. Slauson Ave., Los Angeles.
Roofing—Phil E. French & Co., 1074 N. Oxford Ave., Los Angeles.
Painting—H. J. McKinley, 9305 Burton Way, Beverly Hills.

Contract Awarded.
SCHOOL Cost, $45,649
SAN FRANCISCO. Redding School. Pine and Larkin Streets.
Structural alterations.
Owner—City of San Francisco (School Department).
Structural Engineer — C. H. Snyder 251 Kearny Street.
Low Bidder — H. L. Petersen, 731 Treat Ave., San Francisco. at $45,649.
The work involves removal of the fourth story of the west wing, penthouse over east stairs; rebuilding two penthouses, new roof over west wing; repairing two stacks above roof; repairing parapets, removal of terra cotta over north entrances on first floor; repairing edge of second floor balcony in court; removal of brick walls at south ends of east and west wings and all court walls, replacing with reinforced concrete; a small amount of steel work on roof; installing bracing under second, third and fourth floors; pressure grouting in various places; construction of nine-foot gunite walls behind face brick in four panels; reconstruction of brick mullions, strengthening of four-inch terra cotta partitions in the first story.
Complete bids follow:
H. L. Petersen.....$45,649
F. C. Amoroso & Sons..... 46,392
Anderson & Ringrose..... 46,583
O. Monson 46,665
J. Harold Johnson..... 46,987
C. L. Wold..... 47,937
William Spivock 51,614
H. J. Oser 52,889
Contract awarded to low hidder.
Sub-contracts listed with bid of H. L. Petersen follow:
Wrecking and Brickwork—J. L. Collins, 1349 Greenwich St., San Francisco, at $7155.
Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., San Francisco, at $3153.
Gunite Work — Cement Gun Constr. Co., 85 Second St., San Francisco, at $3394.
Millwork — Herring and Nutting, 750 Florida St., S. F., at $150.
Plastering—John Shimmon, 26 Fairfield Way, San Francisco, at $4350
Sheet Metal—John J. Delucchi, 1526 Powell St., San Francisco, at $269.
Roofing — Roofing Service Co., 420 Market St., San Francisco, at $340
Plumbing — T. R. Smith, 1483 Palou Ave., San Francisco, at $345.
Heating — T. R. Smith, 1483 Palou Ave., S. F. at $830
Electric—Scott-Buttner Elec Co., 19 Grand Ave., Oakland, at $433.
Painting — Union Painting Co., Inc., 3011 Steiner St., S. F., at $2738.
Miscellaneous Iron Work - Monarch Iron Works, 262 7th St., San Francisco, at $624.
Fencing—Kamlan Fence Co., 351 Bryant St., San Francisco, at $187.
Structural Steel—Fair Mfg. Co., 617 Bryant St., San Francisco, at $3184

ARCHITECT COMMISSIONED
LOS ANGELES, Cal.—Architect Eugene Weston, Jr., 807 Architects Bldg., has been commissioned by the Los Angeles board of education to prepare working drawings and specifications, including preliminary plans, for the necessary architectural work for reconstructing, strengthening and rehabilitating the following buildings at the George Washington high school, 10860 S. Denker St.; Administration, science, cafeteria, shop and are buildings, and connecting arcades. Oliver G. Bowen, 1144 S. Grand Ave., is the structural engineer. Cost estimated at $254,908.

ARCHITECT COMMISSIONED
LOS ANGELES, Cal.—Architect C. M. Hutchinson, 1132 Central Building, has been commissioned by the Los Angeles board of education to prepare working drawings and specifications, including preliminary drawings, for a 16-unit new building replacement at the Alta Loma school site, 1745 Vineyard Ave. Cost estimated at $84,800.

ARCHITECT COMMISSIONED
LOS ANGELES, Cal.—Architect H. C. Deckbar, 2117 La Salle Avenue, has been commissioned by the Los Angeles board of education to prepare working drawings and specifications,

including preliminary plans, for a 21½ unit new building replacement at the Forty-ninth Street school, 4917 McKinley Ave. Cost estimated at $112,440.

BIDS WANTED

PALO ALTO, Santa Clara Co., Cal.—Until August 20, 1 P. M., bids will be received by the Board of Education, Palo Alto School District, 543 Channing Ave., Palo Alto, for furnishing and installing steam heating system in the Sherman School. Plans and specifications on file at the office of the Board of Education and at the office of Leland and Haley, 58 Sutter St., San Francisco.

Plans Completed

REPAIR SCHOOL Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs & reconstruction of elementary school auditorium.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Plans will be sent to State Division of Architecture for approval this week. A bond issue of $18,000 has been sold to finance the work.

CONTRACT AWARDED

GRASS VALLEY, Nevada Co., Cal.—H. W. Pricer, Grass Valley, has been awarded a contract by the Grass Valley Board of Education for painting the high school gymnasium. A contract for glazing windows in the high school building and gymnasium has been let to McLaren Ford, Grass Valley.

Contract Awarded

AUTO SHOP Cost, $8568
SALINAS, Monterey Co., Calif. High School site.
One-story wood frame auto shop bldg. (steel columns and trusses, composition roof; 60x80 ft.)
Owner—Salinas Union High School District.
Architect—Chas. E. Butner, 51 Maple St., Salinas.
Contract awarded to Sam Trondhjem, 45 Geil St., Salinas, at $8,568.
Complete bids follow:

Sam Trondhjem, Salinas	$ 8,568
F. C. Carlsen, Salinas	8,996
W. E. Greene, Salinas	9,382
E. F. Reese, Salinas	9,723
M. J. Murphy, Carmel	10,800

Plans Completed

SHOP Cost, $7,000
SALINAS, Monterey Co., Calif.
One - story wood frame general shop (steel trusses, wood sash, etc.)
Owner—Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Plans are awaiting approval of the State Division of Architecture. Bids probably will be advertised within two weeks.

LOW BIDDERS

COMPTON, Los Angeles Co., Cal.—Wigg Const. Co., 2200 Olive Street, Compton, submitted the low bid to the State Board of Public Reconstruction August 1, at $24,994 for reconstructing the gymnasium building at the Compton junior high school for the Compton Union High School District. Kuster-Wetzel Electric Co., 214 East Broadway, Long Beach, submitted the low bid on the electric wiring at $1778 and Chas. H. Warner, 1310 N. Tamarind St., Compton, was low bidder on the plumbing at $1977.50. Plans were prepared by Architects Marsh, Smith & Powell, Architects' Bldg., Los Angeles. The work will include reinforced concrete work, steel sash, steel roof trusses, hardwood floors, tile work etc. 5

BOND ELECTION PLANNED

WASCO, Kern Co., Cal.—A bond issue will be submitted to voters of the Wasco Union High School Dist. for approval probably in September. Bonds in the amount of $42,000 are required to secure a loan of $42,000 and a grant of $14,000 allotted by the Public Works Administration toward a new high school science building at Wasco. Architect Edwin J. Symmes, Bakersfield, has prepared plans for the new building.

BIDS WANTED

OILDALE, Kern Co., Calif.—Until August 16, 8 P. M., bids will be received by the Board of Trustees of the Aztec School District for the construction of two toilet buildings for the Aztec School in Oildale. Specifications obtainable from Architect E. J. Symmes, 215 Haberfelde Building, Bakersfield, on deposit of $10.00.

August 6, 1934

ENGINEER APPOINTED

SAN FRANCISCO.—Kaj Theill, 580 Market St., has been appointed structural engineer for Visitacion Valley School, for which $173,276 has been allocated in the school building program to be financed by bond money. Appointment of Leland & Haley, 58 Sutter Street, as mechanical engineers previously reported. Architects Hyman & Appleton, 68 Post St., and G. Albert Lansburgh, 140 Montgomery St.
(4699) 1st report June 14; 2nd, Aug. 2, 1934. 15

Contract Awarded.

ADDITION Cost, $3030
MORGAN HILL, Santa Clara Co.
One-room addition to grammar school (frame and stucco).
Owner—Morgan Hill Grammar School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—J. N. Akin, Morgan Hill, submitted low bid and was awarded contract August 3.
Bids originally scheduled for July 20 were postponed to August 3 due to protest on proposed wage scale.

BONDS DEFEATED

HEALDSBURG, Sonoma Co., Cal.—A bond issue of $64,000 for construction of a one-story frame and stucco grammar school building was defeated at a special election on August 2. Architect John I. Easterly, 302 Grant St., Healdsburg, has prepared preliminary plans for the structure.

CONTRACT AWARDED

RENO, Nev.—National Coal Co., 318 Spokane St., Reno, at $9836 awarded contract by Board of Trustees, Reno School District No. 10, for furnishing six oil-burners for Mary S. Doten and Mount Rose school buildings. The board awarded a contract to J. R. Bradley Co., 1 Plaza, Reno, at $497.25 for furnishing a composition shingle roof for the South Side building. Bids were opened July 30. 5

MANTECA, San Joaquin Co., Cal.—Until August 17, 2 P. M., bids will be receiveqd by the Board of Trustees of Calla School District, Mrs. Maud Keltner, Clerk, Route 1, Box 119, Manteca, for furnishing school furniture for the new Calla School building. Specifications obtainable from Clerk.

Bids Wanted—To Close August 22, 4 P. M.

ADDITION Cost, $7000
LINDA SCHOOL DISTRICT, Yuba County.
Two-room addition, frame and stucco, composition shingle roof; oil-fired circulating heaters.
Owner—Linda School District.
Architect—Chester Cole, 4418 Second St., Chico.
Plans and specifications on file at the office of the Architect and in the office of the Superintendent of Schools at Marysville.

LOW BIDDER

LOS ANGELES, Cal.—J. & B. Construction Co., 5572½ Valley Blvd., submitted low bid to the Los Angeles Board of Education, August 6, at $41,450, for reconstructing, rehabilitating and strengthening Building No. 1 at the Virginia Road School northwest corner of Virginia Road and 30th St. Work will consist of removing the third story of the building, constructing new wood and composition roof, and reconstructing walls and interior of the remaining portions of the building. Plans were prepared by Architect Robert H. Orr, 1300 Corporation Bldg., and Structural Engineer R. McC. Beanfield, 615 Chambear of Commerce Bldg.

CONTRACT AWARDED

BAKERSFIELD, Kern Co., Calif.—Pacific Blackboard Co., at $2003.00 awarded contract by Kern County Union School District for furnishing and installing slate blackboards in classrooms now under construction. Malcolm Brock Co., Bakersfield, at $450 awarded contract for furnishing window shades for the classrooms.

Bids Opened

IMPROVE SCHOOL Cost, $120,000
SAN MATEO COUNTY, Calif.
Structural alterations and additions to San Mateo High and Applied Arts Bldg. and Burlingame High School (work includes steel, brick, concrete and wood reconstruction).
Owner—San Mateo High School Dist.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Complete bids follow:

PROPOSAL I

(1) For the complete alterations of the Industrial and Applied Arts Bldg. for San Mateo Union High School.

(2) For complete alterations of all parts as required for the construction of the one-story portion of the building except concrete walls and its foundation.

(3) For the complete alteration of all parts as required for the reconstruction of the two-story portion of this building.

(4) For metal lath and plaster on all vertical steel plates and on all horizontal steel plates connected to the bottom of 2nd floor joist with the exception of two plates marked "A".

G. W. Williams Co., 315 Primrose Road, Burlingame	(1)	$31,888
	(2)	9,892
	(3)	22,556
	(4)	700
C. L. Wold, San Francisco	(1)	$38,734
	(2)	14,830
	(3)	24,440
	(4)	596
San Francisco Const. Co., San Francisco	(1)	$54,746
	(2)	18,220
	(3)	36,516
	(4)	2,200

PROPOSAL II

(1) Complete alterations of Burlingame High School, except replacement of terra cotta, cast cement or brick masonry over main entrance and on portico of Unit "B", entrance in west wall of Unit "A" and entrance in east wall of Unit "C".

(2) Complete alteration of all parts

as required for reconstruction of roof in Unit "A".

(3) Reconstruction of all parts below the ceiling line in Unit "A".

(4) Reconstruction of roof in Unit "B".

(5) Reconstruction of all parts below second story ceiling line and the auditorium ceiling line.

(6) Reconstruction of roof in Unit "C".

(7) Reconstruction of parts below ceiling line of Unit "C".

(8) (a) terra cotta pilasters, etc.;
(b) terra cotta architraves, etc.;
(c) terra cotta capitals, etc.;
(d) cast panels;
(e) cast cement in west wall Unit "A";
(f) do in east wall of Unit "C".

J. Harold Johnson, 639 Brannan St., San Francisco	(1)	$39,525
	(2)	12,894
	(3)	2,925
	(4)	12,641
	(5)	2,995
	(6)	11,121
	(7)	1,274
	(8)	
	(a)	1,269
	(b)	945
	(c)	1,046
	(d)	437
	(e)	863
	(f)	863
C. L. Wold, S. F.	(1)	$48,900
	(2)	12,391
	(3)	3,486
	(4)	12,779
	(5)	4,759
	(6)	10,658
	(7)	3,837
	(8)	
	(a)	1,800
	(b)	2,500
	(c)	800
	(d)	500
	(e)	300
	(f)	500

PROPOSAL III

(1) For the complete alterations of Burlingame High School. The complete alterations of the Industrial Applied Arts Building of the San Mateo High School, main building.

(2) For complete alterations of the San Mateo High School, main building.

(3) For complete alterations required for all parts above the level of the bottom of second story ceiling joists.

(4) For complete construction and installation required for new tower and chimes support.

(5) For the complete furnishing and installation of all lath and plaster and all painting and decorating as specified.

C. L. Wold, 4412-16 Fulton St., San Francisco	(1)	$216,507
	(2)	128,507
	(3)	43,330
	(4)	7,067
	(5)	10,799
G. W. Williams Co., Burlingame	(1)	$ .....
	(2)	.....
	(3)	40,613
	(4)	4,500
	(5)	.....
San Francisco Const. Co., San Francisco	(1)	$ .....
	(2)	184,143
	(3)	69,067
	(4)	5,241
	(5)	8,820

Bids Wanted—To Close August 29, 2 P. M.

SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal. Le-Roy and Buena Vista Aves.
Rehabilitation of south wing of Hillside School.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace, Claus Spreckels Bldg., San Francisco.

Plans and specifications obtainable from office of the Secretary, Miss Clara Andrews, Administration Bldg., Durant and Milvia Sts., Berkeley. Deposit $10.

LOW BIDDER

BEVERLY HILLS, Los Angeles Co., Cal.—L. D. Richardson & Co., 9437 Santa Monica Blvd., Beverly Hills, submitted the low bid to the Beverly Hills board of education August 6, at $83,300, for the construction of a school building at the Hawthorne school site. Plans were prepared by Architect R. C. Flewelling, 614 Architects' Bldg., Los Angeles. All bids will probably be rejected and plans revised. The appropriation was $37,500.

BIDS WANTED

LOS ANGELES, Cal.—Until Aug. 28, 11:30 A. M., bids will be received by the purchasing clerk of the Los Angeles board of education, room 200, 1425 S. San Pedro St., for reconstruction, rehabilitation and strengthening of Building "B" and the construction of a new frame building on the Russell school site, located at Firestone Blvd. and Zamora Ave. Plans and specifications may be obtained from the architectural section of the business manager's division of the board, 1425 S. San Pedro St., upon deposit of $25. Plans were prepared by the architectural division of the board; A. S. Nibecker, Jr., architect, and Structural Engineer J. E. Byers, 1445 S. San Pedro St. Cost is estimated at $90,420.

LOW BIDDER

LOS ANGELES, Cal.—J. & B. Construction Co., 5572½ Valley Blvd., submitted the low bid to the Los Angeles board of education August 6, at $41,450 for reconstructing, rehabilitating and strengthening Bldg. No. 1 at the Virginia Road school, northwest corner of Virginia Road and 30th St. Plans were prepared by Architect R. H. Orr, 1300 Corporation Building, and Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg.

Bids Wanted—To Close Aug. 13, 7:30 P. M.

SCHOOL Cost, $——
FRESNO COUNTY, California.
Construct brick and frame classroom.
Owner—Teague Elementary School District, Fresno County.
Architect—W. D Coates, 626 Rowell Bldg., Fresno.

Bids will be received by the Board of Trustees at the Teague School bldg. Specifications and bid form obtainable from the architect.

BOND ELECTION

SAN BERNARDINO, San Bernardino Co., Cal.—San Bernardino Valley Junior College District will hold an election November 6 at which time it is proposed to vote bonds in the sum of $268,000, proceeds to be used to partially finance a $350,000 building program. The government recently approved an outright grant of $105,000 and a loan of $245,000 to the district. The program contemplates three buildings: An auditorium to cost $225,000; technical building to cost $60,000, and a women's gymnasium to cost $65,000. An architect will be retained Aug. 10.

16—BANKS, STORES AND OFFICES

CONTRACT AWARDED

SAN FRANCISCO.—Aristo Painting Co., 473 Bryant St., at $254.00 awarded contract for painting sales room of Standard Fisheries Co., pier at foot of Leavenworth St., by State Harbor Commission, Ferry Bldg

Complete bids follow:

Aristo Painting Company	$254.00
A. J. Jorgensen	256.00
Lee Dixon Painting Co.	364.00
Balboa Paint Co.	491.00
Edwin Anderson	573.10

Plans Completed.

DRIVE-IN MARKET Cost, $——
EUREKA, Humboldt Co., Cal. NW Seventh and E Streets.
Super drive-in market, one-story. Site, 120x120 ft, will including parking area for 25 cars.
Owner—Withheld.
Architect—Frank T. Georgeson, 6th and G Sts., Eureka.
Lessee—Henry Calanchini, Ferndale.
Construction is to start in about two weeks.

Bids Opened.

OFFICE BLDG. Cost, $17,000
SACRAMENTO, Sacramento Co., Cal. Front and M Streets.
Office quarters for The River Lines Co. (to replace offices which will be demolished on right-of-way of new M street bridge) wood frame building, 2-story (25x57 ft.) galv. iron siding, insulated with fibre board, composition roof, indirect lighting, plumbing and hot water heating system.
Owner—City of Sacramento.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Low Bidder—H. C. Martin, 1417 19th St., Sacramento, $20,165.

Complete bids follow:

H. C. Martin	$20,165
C. J. Hopkinson	20,223
Charles Unger	21,316
F. H. Betz	22,830
Campbell Const. Co.	23,223

Two low bids held under advisement.

17— THEATRES

Sub-Contracts Awarded.

ALTER THEATRE Cost, $——
VALLEJO, Solano Co., Cal.
Alterations to theatre (work involves, plumbing, plastering, mill work, glass and glazing, tile work, ornamental iron, electrical work, etc.)
Owner—Fox West Coast Theatres.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Electric—Alta Electric Co., 467 O'Farrell St., San Francisco.
Millwork — Brannan Street Mill, 560 Brannan St., San Francisco.
Plasterig—Peter Bradley, 639 Brannan St., San Francisco.
Wrought Iron—Ahitsch Ornamental Iron Works, 32½ Belcher St., San Francisco.

Contract Awarded

THEATRE Cost, $50,000
MODESTO, Stanislaus Co., Cal. Thirteenth and J Streets.
Two-story reinforced concrete theatre and store building (stadium type) to seat 900 people, 2 stores; wood roof trusses, composition roof, pine and concrete floors, plate glass, tile toilets, ventilating system, marquee, tile and marble bulkheads, etc.
Owner—Modesto State Theater, Inc., 25 Taylor St., San Francisco.
Architect—S. Charles Lee, 2400 West 7th St., Los Angeles
Contractor — Harry Brown, Route 4, Modesto.

Contract Awarded

THEATRE Cost, $50,000
REDDING, Shasta Co., Cal. Market St. between Placer and Sacramento Streets.
Reinforced concrete theatre, store and office building.
Owner—T. & D. Jr. Enterprises, Inc., 25 Taylor St., San Francisco.
Structural Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—Salih Bros., 25 Taylor St., San Francisco.

Plans Being Figured — (Bids Close August 21).

THEATRE Cost, $10,000
SALINAS, Monterey Co., Cal. East Main Street.
Alterations to Crystal Theatre.
Owner—Crystal Theatre (John Peters and Lawrence Borg, owners), Salinas.
Architect — Mark T. Jorgensen, 525 Market St., San Francisco.

18—WHARVES & DOCKS

Award Approved

WHARF & SHED Cost, $633,600
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf (1740 ft. in length) treated wood piling, transit shed in four continuous units to contain 180,000 sq. ft. of floor space; steel frame and sheet metal siding, built-up roof, elevators, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall.
Contractor—Robert E. McKee, 108 W. Sixth St., Los Angeles.
Award of a contract to Robert E. McKee, low bidder, recommended by Port Commission ,has been approved by Clifton E. Hickok, PWA engineer for Northern California.

19—MISC. CONSTRUCTION

CONTEMPLATED

BARSTOW, Calif. — The Combined Gold Producers' Syndicate, Inc., New York City, has announced that a custom milling plant and smelter will be constructed at Barstow. Options on two tracts of land near the main line railway have been obtained, according to Frank Buck, engineer. The plant is to be a duplicate of the Golden Cycle Mill at Colorado Springs, Colo.

CONTRACT AWARDED

SAN QUENTIN, Marin Co., Calif.—Walter M. Dunphy, 3136 Folsom Blvd., Sacramento, at $498 awarded contract by State Purchasing Agent, Sacramento, for furnishing copper skylights for San Quentin prison. Other bids received July 27, were: Forderer Cornice Works, San Francisco, $588; Guilfoy Cornice Works, San Francisco, $635; Anderson Sheet Metal Works, San Francisco, $729; Riddle Sheet Metal Works, San Francisco, $830.50; Atlas Heating and Ventilating Co., San Francisco, $974.

BIDS WANTED

FRANCE FIELD, C. Z.—Until August 20, bids will be received by the Constructing Quartermaster, France Field, C. Z., for constructing a gasoline fueling system at France Field.

SURVEY

SACRAMENTO, Cal.—Burns & McDonnel, Consulting Engr., of Kansas City, Mo., have started a survey for the Sacramento Municipal Utility District. C. K. Mathews has arrived in Sacramento, and R. L. Baldwin, engineer in charge, with his assistants, are expected next week.

Planned.

UNDERTAKING PARLORS $20,000
SAN MATEO, San Mateo Co., Cal.
Frame and stucco undertaking parlors.
Owner—Withheld.
Private Plans.
Clarence W. Jackson, 628 Crescent Ave., San Mateo, is owner's representative and will supervise construction. Site has not been definitely selected and further details will be reported when a site is chosen.

BIDS OPENED

SAN PEDRO, Los Angeles Co., Cal.—Larson Boat Shop, Terminal Island, submitted the low bid to the Public Works Officer, Naval Operating Base, 11th Naval District, San Diego, Aug. 2, at $3400, for furnishing and installing two timber floats. Each of the timber floats will be approximately 13 ft. 6 in. wide and 49 ft. long; Spec. No. 7751.
The engineer recommended that the contract be awarded to the low bidder. The other bids were:
Fred F. Greenfield Co., Los Angeles, $3575.01.
Lipscomb & Arnett, San Diego, $3,740.

BIDS OPENED

SAN FRANCISCO—Bids for furnishing and installing steel bins, steel benches and construction of a wire partition in Pier Shed No. 1 at Fort Mason were taken by Constructing Quartermaster, Fort Mason, as follows:
Item I. Installation of steel bins and steel benches.
Item II. Installation of steel bins (benches omitted).
Item III. Erection of wire partition 10 ft. 8 in. high.
Complete bids follow:
Fred Medart Mfg. Co., 7 Front St., (I) $2,700; (II) $343.00; (III) .....
General Fireproofing Co., 534 4th St. (I) $3,164.15; (II) $482.86; (III) $1,100.
Lyons Metal Products, Inc., 582 Market St., (I) $3,170; (II) $513; (III) .....
Worley & Co., Pico, Calif., (I) $4,537.52; (II) $560.60; (III) .....
Monarch Iron Works, 262 7th St., (III) $744.00.
Standard Fence Co., 440 Bay Shore Blvd., (III) $630.00.
Michel & Pfeffer Iron Works, Harrison and Tenth Sts., (III) $797.00.
Industrial Ornamental Iron, Bronze & Wire Works, 552 Noe St., (III) $839.
West Coast Wire & Iron Works, 861 Howard St., (III) $850.00.
Anchor Post & Fence Co. of Calif., 460 Fifth St., $1,185.00.

BIDS WANTED

FORT MASON, Cal.—Until August 14, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, under Order No. W 6616 35-3, for repairs to boilers, furnaces, pumps, burners, etc., and to Refrigerating equipment in power plant, Letterman General Hospital.
Specifications obtainable from the above office upon deposit of $5.

PROSPECTIVE BIDDERS

MARE ISLAND, Vallejo, Cal.—Following have procured specifications for painting five 450-foot steel radio towers at Mare Island Navy Yard Radio Station for which bids will be received August 15, 11 A. M. (as previously reported):
D. Anderson, 998 Gilman St., San Francisco.
J. V. Smith, 666 Mission Street, San Francisco.
R. P. Paoli and Co., 3159 Fillmore St., San Francisco.
A. M. Blume, 604 Irving Street, San Francisco.
D. E. Burgess, 282 Seventh St., San Francisco.
Edling Anderson, 99 Divisadero St., San Francisco.
Patterson Bros., Builders' Exchange, Oakland.

BIDS OPENED

SAN FRANCISCO—Moore Dry Dock Co., Balfour Bldg., at $71,529 submitted low bid to the Superintendent of Lighthouses, Room 424, Custom House San Francisco, for converting Lightship No. 83 from a coal burner to an oil burner, replacing boilers, constructing fuel oil tanks, etc., under Proposal No. N-15.
The other bids were:
General Engr. & Drydock Co., San Francisco, $74,783.
Bethlehem Shipbuilding Corp., San Francisco, $75,685.
Bids held under advisement.

BIDS WANTED

COLTON, San Bernardino Co., Cal.—Until August 20, 7:30 P. M., bids will be received by the Colton City Council for moving buildings in connection with the I street widenig project in Colton. The work involves the removal of one set of gas pumps and tanks, approximately 42 dwellings, outbuildings where necessary, the construction of new foundations, installation of services, and the removal and replacing of shrubs. Moving and altering 20 business buildings and a gas storage tank is also involved in the widening program but most of this work will be handled separately, the owners negotiating direct with the contractor for necessary alterations. Total estimated cost of moving and replacing the buildings is $85,000, the funds having been appropriated by the state. Plans and specifications may be obtained from the city engineer in Colton; no deposit required. Plans are on file for examination at the office of A. S. Monroe, engineer, 725 Citizens' National Bank Bldg., Los Angeles

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

FORT PECK DAM, Montana—Pacific Electric Mfg. Corp., 5815 Third Street, San Francisco, at $10,982.68, freight included, submitted low bid to the U. S. Engineer Office, Kansas City, Mo., July 19, for furnishing 12 portable cable terminal structures; 12 spare jumper cables, 40-ft. long; 12 spare jumper cables, 30-ft. long, and 4 sets live line equipment, for the Fort Peck Dredges. Complete bids follow:
Pacific Electric Mfg. Co., San Francisco*, $10,982.68.
G. L. Tarlton, 1406 Ambasador Bldg., St. Louis, Mo., $11,407.18.
Samuel Wilson Marshall Jr., 1124 Republic Bank Bldg., Dallas, Texas*, $11,722.84.
Samuel Wilson Marshall Jr., Alternate*, $11,903.02.
Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles*, $13,098.53.
Westinghouse Electric & Mfg. Co., 2124 Wyandotte St., Kansas City, Mo., $14,031.34.
A. S. Schulman Electric Co., 537 S. Dearborn St., Chicago*, $14,480.07
Delta Star Electric Co., 2400 Fulton St., Chicago, Illinois*, $14,480.07.
Morrison-Glasscock-Connor Co., 1822 Main St., Kansas City, Mo., $15,076.17.
*Bid includes freight.
James R. Kearney Corp., 4224 Clayton Ave., St. Louis, Mo., submitted a partial bid.
All bids held under advisement.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Until August 16 bids will be received by the Superintendent of Construction for Zuni High School, F.P. 27, and Pueblo Alto, F.P. 289, Box 468, Albuquerque, for furnishing several carloads of lumber: douglas fir, yellow pine, ponderosa pine, or redwood or equal grading.

Specifications obtainable from above office or from the Warehouse for Indian Supplies, 23 Appraiser's Bldg., San Francisco.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until August 22, 8 P. M., bids will be received by the East Bay Municipal Utility District, John W. Kimball, Secretary, 512 16th St., Oakland, for furnishing 416 lin. ft. of 48-in. reinforced concrete pipe for Orinda, under Informal Proposal No. 551.

Specifications obtainable from the above office.

FRESNO CITY

FRESNO, Cal.—Until August 16, 11 A. M., as previously reported, bids will be received by the Fresno City Commission, H. S. Foster, City Clerk, for furnishing one ½ cu. yd. Caterpiller type, full revolving, gasoline power crane, equipped for drag line or clam shell operation complete with ½ cu. yd. clam shell bucket, etc.; and for furnishing nine motor trucks complete with enclosed cab, gross weight capacity, not less than 9300 lbs.

Bids on the crane are to be f.o.b. Fresno, and delivery will be required prior to September 17. Delivery of the trucks shall not be earlier than September 15, nor later than October 1.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Aug. 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1252, for furnishing 4- 6- and 10-in. cast iron pipe.

Specifications obtainable from above office.

WAR DEPARTMENT

FORT PECK, Montana—Until August 30, 12 M., bids will be received by the U. S. Engineer Officer, 707 Postal Telegraph Bldg., Kansas City, Mo., for furnishing 260,000 cu. yds. coarse aggregate and 235,000 tons of sand, for the Fort Peck Tunnels, at the site of the Fort Peck Dam. Theo. Wyman Jr., Assistant to the Division Engineer.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Yards & Docks, Navy DOepartment, Washington, D. C., foor furnishing miscellaneous supplies, materials, and equipment, as follows:

HOSE, suction and discharge oil, 720 ft., rubber, Mare Island. Sch. 3030; Aug. 17.

PAPER, templet; 15 rolls, Mare Island; 12 rolls, Puget Sound. Sch. 3036; Aug. 17.

MANGANESE - NICKEL, bar, 28,000 lbs. for Mare Island; 4200 lbs., Puget Sound. Sch. 3037; Aug. 17.

CRAYONS, metallworkers'; 18,000, Mare Island; 12,000, Puget Sound. Sch. 3038; Aug. 17.

LEAD, sheet and pig; East and West Yards. Sch. 3033; Aug. 17.

STEEL, sheet; East and West Yards. Sch. 3031; Aug. 17.

LEATHER, belting, lacing, etc.; East and West Yards. Sch. 3040; Aug. 17.

FITTINGS, lubricating gun; Mare Island and Puget Sound. Sch. 2462, Lots 1624 and 1625, original date of opening May 25; supplemental bids Aug. 17.

PUMPS, centrifugal type motor-driven, 5; Puget Sound. Sch. 3064; Aug. 21.

SHAPES, steel; East and West Yards Sch. 3035; Aug. 21.

FANS, portable ventilating electric, and spares; East and West Yards. Sch. 3051; Aug. 21.

ZINC, sheet and slab plate; East and West Yards. Sch. 3048; Aug. 21.

DRUMS, steam and water, and headers; East and West Yards. Sch. 3044; Aug. 21.

BLOWERS, forced draft, turbine driven, 40; East and West Yards. Sch. 3041; Aug. 21.

CRUCIBLES; East and West Yards. Sch. 3074; Aug. 24.

TANKS, steel, 50-gal. capacity, 5; Puget Sound. Sch. 3065; Aug. 24.

Specifications obtainable from the above office.

LAKE COUNTY

LAKE COUNTY, Cal. — Until August 14, 1 P. M., bids will be received by the Lake County Board of Supervisors, Court House, Lakeport, for furnishing one 1½ yd. hydraulic dump truck (Woods or Galion); and one used 1933 model Allis-Chalmers 35 h. p. tractor, equipped with Davis Trail-builder.

Specifications obtainable from the above office.

CANAL ZONE

PANAMA CANAL ZONE — Until August 21, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Sch. 2986, for furnishing miscellaneous supplies and equipment as follows:

1 drill press; 1 valve facing machine; 3800 ft. cast iron pipe; carbon steel billets; nickel steel billets; 1200 w. i. bars; 35,000 lbs. spikes; 10,000 lbs. screw spikes; 1350 ft. buoy chain 3000 paint pails; 3000 paint cans; 1000 lbs. solder; 6 storage batteries; 288 flashlights; 260 cartridge-type resistors; 144 gals. red enamel; 432 qts. do; 1440 gals white enamel; 5000 lbs. metallic brown; 100,000 lbs. red lead; 15,000 lbs. metallic brown; 5000 lbs. titonium pigment; 2000 lbs. zinc oxide; 5000 lbs. yellow ochre; 5000 lbs. lamp black; 20,000 lbs. flake shellac; 3000 lbs. putty; 1000 gals turpentine; 5600 gals. do; 15,600 lbs. linseed oil; 500 gals. pine tar oil; 300 gals. lard oil; 2000 lbs. cup grease; 5000 gals. kerosene; 50 gals. glue; 5000 lbs. do; 5000 lbs. flake white glue; 100,000 lbs. soda ash; 20,000 lbs. calcium chloride; 300 bisulphide carbon; 3000 gals. coal tar; 50,000 lbs. asphalt cement; 10,000 gals alcohol; 50,000 lbs. calcium carbide; 50 tons foundry coke; 5000 lbs. magnesia asbestos plaster; 270 ft. asbestos magnesia pipe covering; 600 automobile casings; 6 truck casings; 2250 inner tubes; 32 extension ladders; 48 stepladders; 72 windshield wipers; 1000 casting brushes; 6 rolls unsensitized paper; 1000 ft. cedar lumber; 13,000 ft. cypress; 9000 ft. white pine; 257,000 ft. redwood; 8000 ft. white ash; 1000 ft. hickory; 2000 ft. maple; 3000 ft. poplar; 3000 ft. do; 50 pcs. creosoted yellow pine; 75 pcs. creosoted piling; 2000 cross ties and 40 sets switch ties.

Specifications obtainable from the above office and from Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until August 27, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Bureau of Water and Power, Room 740, 207 S. Broadway, for 4 only 1667 KVA transformers, 104,000 volts to 19,920 volts, single phase, oil immersed, self - cooled, stepdown outdoor type, designed for operation on 60 cycles, including all necessary oil and spare parts for use on the Departments Mono Basin Project, Mono County. Spec. No. 1481.

LOS ANGELES, Cal.—Until August 29, 2 P. M., bids will be required by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 207, S. Broadway, for furnishing insulators and acessories for power transmission line from Boulder Dam, as follows:

ITEM I

3,660 suspension insulators;
170 pillar insulators;
36 strain yokes;
21 strain clamps;
25,500 suspension insulators;
60 pillar insulators;
440 pillar insulators;
8 pillar insulators;
20,000 suspension insulators;
380 suspension insulators;
49 pillar insulators;
36 strain clamps.

ITEM II

750 suspension insulators;
90 pillar insulators;
24 strain yokes;
24 adapter links;
24 strain clamps;
21 strain clamps;
375 suspension insulators;
1,075 pillar insulators;
420 plate clamps;
495 plate clamps;
135 plate clamps;
115 plate clamps.

ITEM III

144 pillar insulator stacks.

Specification No. 1479.

LOS ANGELES COUNTY

ALHAMBRA, Los Angeles Co., Cal. —Until August 21, 9 A. M., bids will be received by the Alhambra City Commission for furnishing electric welded drive steel pipe for installation in Mission Road. The pipe required is as follows:

(1) 3,430 ft. 16-in. 10-gauge pipe;
(2) 192 ft. 12-in. 12-gauge pipe.

Specifications may be obtained after August 13 from John Clay, Water Superintendent.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

WHATCOM, KING AND PACIFIC COUNTIES, Wash.—Until August 21, 10 A. M., bids will be received by L. V. Murrow, Washington State Highway Director, Olympia, for construction as follows:

Whatcom County

Constructing a bank protection along the shore of the Nooksack River on about 0.1 miles of State Road No. 1 (Bellingham to Austin Pass Branch) Nugent's Bridge Bank Protection, F. P. W. Project 7571, involving about 2930 cu. yds. of special borrow material; 1640 cu. yds. special loose riprap, and other items.

King County

Constructing a bank protection along the shore of the South Fork of the Snoqualmie River on about 0.2 mile of State Road No. 2, Middle Crossing South Fork Snoqualmie River to Camp Eight, F. J. W. Project 8005, involving 5390 cu. yds. heavy loose riprap.

Pacific County

Constructing 2 treated pile and timber trestles with concrete decks, one 297 ft. long across Bone River, and one 712 ft. long with one 60 ft. steel girder span, across Niwaukum River on State Road No. 12, between South Bend and Palix River, Unit 2 of F. P. W. Project 7763, involving: 489 cu. yds. concrete; 63,500 lbs. steel reinforcing bars; 48,000 lbs. structural steel; 229 MBM treated timber and plank; 15,310 lin. ft. treated piling, and other items.

Plans and specifications obtainable from above office upon deposit of $2 per set.

August 6, 1934

TO BEGIN CONSTRUCTION

NEWPORT, Oregon. — The General Construction Co. and Gilpin Construction Co., Henry Bldg., Portland, contractors on the Yaquina Bay Bridge at Newport, announce that the work will start immediately. An office has been opened at Newport. Otto Hermann, member of the firm of Gilpin Const. Co., will be in charge of the job. Sub-contracts will be announced shortly.

SUB-CONTRACTS AWARDED

REEDSPORT, Oregon.—Teufel and Carlson, Skinner Bldg., Seattle, general contractors on the Umpqua river bridge to carry Oregon Coast Highway across Umpqua river at Reedsport, advise that they have opened an office at Reedsport, with Paul N. Carlson in charge. Pat Murray is superintendent on the job. The following sub-contrarts have been awarded:

Structural Steel—Poole & McGonigle 6330 N. E. Halsey, Portland.

Electric Work—NePage - McKenny Co., 115 N. W. Ninth, Portland.

August 7, 1934

CONTRACT AWARDED

SONOMA COUNTY, Cal.—John Carcano, 122 Clorinda Ave., San Rafael, at $1,876.85 submitted low bid and awarded contract by Sonoma County Board of Supervisors, Santa Rosa, for the construction of a reinforced concrete culvert over Fowler Creek on El Verano Road in Sonoma County.

Complete bids follow:

John Carcano, San Rafael	$1,876.85
Frank Bryant, San Francisco	2,885.50
R. C. Lange, Sonoma	2,908.00
Robt. Slyter, San Anselmo	2,957.82
Brown & Lambretti, Mill Valley	3,086.90
A. T. Howe, Santa Rosa	3,148.75
John Cogo, El Varano	3,264.00
T. J. Doyle, San Francisco	3,417.00

BIDS WANTED

LAKE COUNTY, Cal.—Until August 14, 1 P. M., bids will be received by the Lake County Board of Supervisors, Fred H. Merritt, County Clerk, Court House, Lakeport, for the construction of two bridges on the Lakeport Highland Springs Road, between the Berryman residence and intersection of the road leading from Highland Springs road to the Hopland Highway.

Plans and specifications obtainable from above office.

BIDS WANTED

MERCED COUNTY, Cal. — Until August 29, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a timber bridge across Santa Rita Slough and about 0.5 mile to be graded and surfaced with bituminous treated crushed gravel or stone plant mix. The work involves:

(1) clearing and grubbing right-of-way;
(2) 2300 cu. yds. rdwy. excav., unclass.;
(3) 16,000 cu. yds. imported borrow;
(4) 385 cu. yds. structure excav.;
(5) 100 cu. yds. concrete, removed and disposed of;
(6) 20 cu. yds. Class A Portland cement concrete structures;
(7) 490 lbs. bar reinf. steel, strucs.;
(8) 210 lin. ft. 18-in. C.M.P.;
(9) 68 lin. ft. 24-in. C.MP;
(10) 48 lin ft. 30-in. C.M.P.;
(11) 104 lin. ft. 36-in. C.M.P;
(12) 52 lin. ft. C.M.P. culverts, remove and salvage;
(13) 3 each move and reset headwalls;
(14) 470 M. gals. water;
(15) 1745 tons untreated crushed gravel or stone base;
(16) 925 tons crushed gravel or stone bituminous treated surfacing;
(17) 46 tons cut back asphalt bituminous do;
(18) 36 bbls. fuel oil prime coat;
(19) 1.0 mile new property fences;
(20) 12 each fence gates, complete in place;
(21) 610 lin. ft. furnishing redwood piles, including test piles;
(22) 20 each driving piles, including test piles;
(23) 30 MFBM redwood timber, dense, select, all heart, struc. grade;
(24) 4 MFBM redwood timber, select, do;
(25) 1 only existing bridge, removed and disposed of;
(26) 28 stations finishing roadway;
(27) 12 each, monuments, complete in place.

The State will furnish corrugated metal pipe as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the above office, and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until August 20, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Courthouse, San Jose, for the construction of a reinforced concrete bridge on Alma-Soda Springs Road over Cavanaugh Creek, in District No. 5.

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.00.

Henry A. Pfister, Clerk of the Board.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

THE DALLES, Oregon—Until August 14, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-66, for the removal of about 1500 cu. yds. of rock ledge and pinnacles, all above low water, in Columbia River at Threemile Rapids, about 2.5 mi. east of The Dalles, Oregon.

Specifications obtainable from the above office.

TO PREPARE PLANS

SACRAMENTO, Cal. — The Sacramento City Council has authorized George F. Nicholson, Los Angeles, terminal and port engineer, to prepare plans and specifications for the improvement of the Sacramento Harbor.

LOW BIDDER

COCO SOLO, C. Z.—Tucker McClure, Cristobal, Canal Zone, at $96,660 (item 1) and $77,580 (item 2) submitted low bid to the Bureau of Yards & Docks, Navy Department, Washington, D. C., for the construction of an earth filled sheet steel pipe pier with ducts and service piping, etc., at the Naval Submarine Base, Coco Solo, under Spec. No. 7731.

23— IRRIGATION PROJ.

FORCE ACCOUNT

CALEXICO, Cal. — The Calexico Chamber of Commerce has endorsed the Imperial Irrigation District's proposal to construct the uncontract-

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

ed portion of the All-American Canal by force account by adopting a resolution urging the Bureau of Reclamation to start work as soon as possible. The chamber's resolution covered three separate proposals:

(1) That all uncontracted work on the canal should be started as speedily as possible as means of providing employment for farmerse and workers here during the emergency created by the water shortage.

(2) That recleaning and rebuilding of structures in the present canal system be undertaken as a PWA emergency relief measure.

(3) That the new river siphon and the canal extending from New River to the West side main be constructed at once by force account operation.

TO PREPARE PLANS

SAN JOAQUIN COUNTY, Cal.—Engineer G. K. Parker of the South San Joaquin Irrigation District, and R. E. Hartley of the Oakdale Irrigation District, have been authorized to prepare plans for repairing the tunnel in connection with the water supply in Melones Reservoir.

CONTRACT AWARDED

FAIRFIELD, Mont.—Lease & Leigland, Great Falls, Mont., at $36,866.90 awarded contract by the Bureau of Reclamation, Fairfield, for construction of earthwork and structures, Mill Coulee Canal, Station 256 to Station 326, and lateral enlargements and extensions, Greenfields Division, Sun River Project, Montana, under Spec. No. 578.

LOW BIDDER

PETALUMA, Cal.—Ray Kynoch, 218 English St., Petaluma, at $540 submitted low bid to the Petaluma City Council August 6, for furnishing pipe, sprinklers, and other equipment and supplies necessary in the work of installing a sprinkler system in Hill Plaza Park.

PERMITS ISSUED

SACRAMENTO.—Permits to appropriate water issued by the Department of Public Works, Divison of Water Resources, during the month of July, 1934:

4351, Application 7746 (Nevada Co.) Issued to R. E. Nobel, Roseville, July 2, for 3.0 cu. ft. per second from Darlin Canyon, for mining and domestic purposes. Estimated cost, $1,000.

4352, App. 7753 (Nevada Co.) L. E. Dunlap and F. A. Warren, Roseville, July 2, for 10.0 cu. ft. per second from (1) Hussey, (2) Long and (3) Darlin canyons, for mining and domestic purposes. Est. cost, $1250.

4353, App. 7837 (Calaveras Co.) Minnie A. Dennis, Jenny Lind, Cal., July 2, for 38.0 cu. ft. per second from Calaveras river, for mining and domestic purposes. Est. cost $10,000.

4354, App. 7886 (Sutter Co.) Sutter Mutual Water Co., Robbins, July 3, for 8.05 cu. ft. per second from Sacramento river, for irrigation of 322 ac.

4355, App. 7935 (El Dorado Co.) H. P. Molton, Placerville, July 3, for 0.1 cu. ft. per second from Big Canyon creek, for mining and domestic purposes. Est. cost, $100.

4356, App. 7797 (Placer County) J. D. McClintock, Los Angeles, July 5, for 0.25 cu. ft. per second from an unnamed spring for mining and domestic purposes. Est. cost, $1,000.

4357, App. 7897 (El Dorado Co.) The Iron Mountain Investment Co., Shinglo Springs, July 5, for 0.67 cu. ft. per second and 300 ac. ft. per annum by storage from Big Canyon Creek, for mining and domestic purposes. Est. cost, $25,000.

4358, App. 7875 (Lassen Co.) U. S.-Lassen National Forest, Susanville, July 6, for 2000 gals. per day from Coopervale Spring for domestic and fire protection purposes. Est. cost, $3000.

4359, App. 7819 (Siskiyou Co.) Department of Natural Resources, Division of Forestry, Sacramento, July 6, for 40,000 gals. per day from an unnamed spring for domestic and industrial purposes.

4360, App. 7933 (Humboldt Co.) Eliza A. Wheat, McCann, July 7, for 2.0 cu. ft. per second from Eel river, for irrigation of 55 acres. Est. cost, $500.

4361, App. 7911 (Siskiyou Co.) H. M. James, Happy Camp, July 7, for 1.0 cu. ft. per second from Tennessee Gulch, for mining and domestic purposes.

4362, App. 7906 (Butte Co.) J. O. Gustafson, Petalnma, July 7, for 0.2 cu. ft. per second from Frazier Creek for mining purposes. Est. cost, $500.

4363, App. 7851 (Butte Co.) Leon Brink, Biggs, July 9, for 8.0 cu. ft. per second from Lateral "A" of Reclamation District 833, for irrigation of 308 acres. Est. cost, $500.

4364 ,App. 7776 (El Dorado Co.) A. E. Johnson, et al, Antioch, July 9, for 800 gals. per day from an unnamed stream, for domestic purposes on 4 lots. Est. cost $50.

4365, App. 7925 (Sutter Co.) Reclamation Dist. 833, Gridley, July 10, for 12.2 cu. ft. per second from Butte Creek, for irrigation of 648 acres. Estimated cost, $500.

4366, App. 7892 (El Dorado Co.) U. S.-Eldorado National Forest, Placerville, July 11, for 8000 gals. per day from Ben Wood Creek, for domestic purposes on about 40 lots. Est. cost, $550.

4367, App. 7932 (San Diego Co.) C. M. Gray, Pala, Calif., July 17, for 10,800 gals. per day from a well, for domestic purposes and irrigation of six acres. Est. cost, $900.

4368, App. 7949 (Los Angeles Co.) U. S.-Angeles National Forest, Los Angeles, July 20, for 1950 gals. per day from Rock Springs, for domestic and fire suppression purposes. Est. cost, $400.

4369, App. 7950 (Los Angeles Co.) U. S.-Angeles National Forest, Los Angeles, July 20, for 1350 gals. per day from Bear Springs, for fire suppression purposes. Est. cost, $50.

4370, App. 7840 (Trinity Co.) Basil Froloff, Lewiston, July 23, for 50.0 cu. ft. per second from Rush Creek, for mining purposes. Est. cost, $2500.

4371, App. 7874 (Los Angeles Co.) U. S.-Angeles National Forest, Los Angeles, July 25, for 970 gals. per day from Magnetic Spring, for fire protection purposes. Est. cost $100.

4372, App. 7882 (Siskiyou Co.) U. S.-Klamath National Forest, Yreka, July 26, for 0.2 cu. ft. per second from Kelsey Creek, for irrigation of 3 acres. Est. cost, $1500.

4373, App. 7883 (Siskiyou Co.) U. S.-Klamath National Forest, Yreka, July 26, for 16,000 gals. per day from Kelsey Creek, for recreational purposes. Est. cost, $1500.

4374, App. 7884 (Siskiyou Co.) U. S.-Klamath National Forest, Yreka, July 26, for 0.075 cu. ft. per second from Kelsey Creek, for domestic purposes. Est. cost, $1500.

4375, App. 7957 (El Dorado Co.) C. O. Dorman, Georgetown, Calif., July 27, for 3.0 cu. ft. per second from Little Otter Creek, for mining purposes. Est. cost, $200.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources during the month of July, 1934:

Application 8002 (Nevada Co.) Wm. H. Taylor, 605 Russ Bldg., San Francisco, for 300 ac. ft. per annum from North Fork Poorman Creek tributary to South oFrk Yuba river, to be diverted for mining purposes.

App. 8003 (Nevada County(Wm. H. Taylor, 605 Russ Bldg., San Francisco, for 5000 ac. ft. per annum from Weaver Lake tributary to South Fork Middle Fork Yuba river, to be diverted for mining purposes.

App. 8004 (Plumas Co.) Chas. Dickson and John Fowler, Meadow Valley, for 0.5 cu. ft. per second from Willow Creek tributary to Middle Fork Feather river, to be diverted for mining purposes. Est. cost, $300.00.

App. 8005(San Bernardino County) Bank of America N. T. & S. Assn., 650 S. Spring St., Los Angeles ,for 0.1 cu ft. per second from Deep Creek tributary to Mojave river, to be diverted for domestic purposes Estimated cost, $4160.00.

App. 8006(Butte Co.) Jack L. Post, Chico, for 13 cu. ft. per second from Little Butte creek tributary to Big Butte Creek, to be diverted for mining and domestic purposes.

App. 8007 (San Diego Co.) Alex. F Hansen, 1752 Meldar Ave., Rivera, for 2.5 cu. ft. per second from Sandia Creek tributary to Santa Margnerita river, to be diverted for irrigation and domestic purposes on 230 acres. Est. cost, $6000.

App. 8008 (Kern Co.) F. C. Jewett. Bakersfield, for 0.025 cu. ft. per sec. from unnamed spring tributary to Haight creek and Kern river, to be diverted for mining and domestic purposes. Est. cost, $3500.

App. 8009 (Imperial Co.) Leonard & Freda L. Crane, Glendale, for 0.52 cubic foot per second from Carrizzo Spring, to be diverted for placer mining purposes. Est. cost, $2000.

App. 8010 (Amador Co.) Rudolph, Richard, Nick and Leola Moar and Frank Shafter, Pine Grove, for 2 cu. ft. per second from Pioneer Creek tributary to Mokelumne river, to be diverted for mining and domestic purposes.

App. 8011 (Eldorado Co.) Sacramento Mountaineers Lodge, Sacramento, for 1800 gals. per day from six unnamed springs tributary to South Fork American river, to be diverted for domestic and recreational purposes.

App. 8012 (Siskiyou Co.) A. W. Clare Sawyers Bar, for 1 cu. ft. per second from Olsen Creek tributary to Salmon river, to be diverted for mining purposes. Est. cost, $1500.

App. 8013 (Santa Clara Co.) John Marchetti, Morgan Hill, for 1 cu. ft. per second from Uvas Creek tributary to Pajaro river, to be diverted for irrigation purposes. Est. cost, $750.

App. 8014 (Siskiyou Co.) C. G. Smith Los Angeles, for 10 cu. ft. per second from Swillup creek tributary to the Klamath River, to be diverted for mining purposes. Est. cost, $10,000.

App. 8015 (Placer Co.) Ralph B. Aitken, Rocklin, for 0.87 cu. ft. per sec. from Antelope creek tributary to Secret ravine, to be diverted for irrigation purposes. Est. cost, $500.

App. 8016 (Stanislaus Co.) Sarah A. Duffy. Modesto, for 2.5 cu. ft. per sec. from Tuolumne river tributary to San Joaquin river, to be diverted for irrigation purposes. Est. cost, $500.

App. 8017 (Eldorado Co.) Zalda M and H. G. Ryan, Sacramento, for 400 gals. per day from an unnamed spring tributary to South Fork American river, to be diverted for domestic purposes.

App. 8018 (Siskiyou Co.) Grant Donham, Callahan, for 2 cu. ft. per sec. from Mule Creek tributary to Scott river, to be diverted for mining purposes. Est. cost, $500.

App. 8019 (Riverside Co.) Edward

Horsky, San Bernardino, for 3 cu. ft. per second from Chuckawalla well tributary to Palo Verde watershed, to be diverted for mining and domestic purposes.

App. 8020 (Riverside Co.) Edward Horsky, San Bernardino, for 3 cu. ft. per second from Chuckawalla spring tributary to Chuckawalla Valley, to be diverted for mining and domestic purposes.

App. 8021 (Plumas Co.) G. C. Hawkins and L. H. Thayer, Quincy, for 2 cu. ft. per second from Onion Valley creek tributary to Middle Fork Feather river, to be diverted for mining and domestic purposes. Est. cost, $1000.

App. 8022 (Trinity Co.) H. A. Spindler, Weaverville, for 40 cu. ft. per sec. from Rattlesnake creek tributary to North Fork Trinity river, to be diverted for mining and domestic purposes.

App. 8023 (Trinity Co.) H .A. Spindler, Weaverville, for 40 cu. ft. per sec. from Whites Creek tributary to North Fork Trinity river, to be diverted for mining and domestic purposes.

App. 8024 (Nevada Co.) John E. Dorius, Santa Maria, for 50 cu. ft. per second from Steephollow creek tributary to Bear river, to be diverted for mining and domestic purposes. Est. cost, $2000.

App. 8025 (Shasta Co.) R. E. Yager, Shasta, for 0.5 cu. ft. per sec. from Little Dog creek tributary to Dog and Clear creeks, to be diverted for mining and domestic purposes.

App. 8026 (Sierra Co.) John Ulin, Downieville, for 3 cu. ft. per second from an unnamed spring tributary to Butcher Ranch creek, to be diverted for mining and domestic purposes.

App. 8027 (Plumas Co.) James L. Claghorn, Brentwood, for 2.5 cu. ft. per second from 3 unnamed gulches tributary to Lost Creek, to be diverted for mining purposes.

App. 8028 (Placer Co.) J. H. Stephens, Sacramento, for 115 cu. ft. per second and 16,000 ac. ft. per annum from Monumental Creek and 9 other sources tributary to North Fork of the North Fork of American river, to be diverted for mining purposes.

App. 8029 (Placer Co.) M. D. Couch, 606 Clunie Bldg., San Francisco, for 50 cu. ft. per second from Deep Canyon tributary to North Fork of the Middle Fork American river, to be diverted for mining purposes.

App. 8030 (Siskiyou Co.) R. E. L. Morton, Happy Camp, for 4 cu. ft. per second from West Branch Indian creek tributary to Indian creek, to be diverted for mining and domestic purposes. Est. cost, $3000.

App. 8031 (Siskiyou Co.) John Vanhoy, O. Y. Anderson and Lester Hallford, Happy Camp, for 9 cu. ft. per second from Oak Flat creek tributary to Klamath River, to be diverted for mining and domestic purposes. Est. cost, $10,000.

App. 8032 (Plumas Co.) J. M. Maynard, Strawberry Valley, for 3 cu. ft. per second from Onion Creek tributary to Slate Creek, to be diverted for mining purposes. Est. cost, $4000.

App. 8033 (Modoc Co.) South Fork Irrigation Dist., Alturas, for 20 cu. ft. per second and 1000 ac. ft. per annum from South Fork of Pit River and Clear Lake tributary to Pit River, to be diverted for power and domestic purposes. Est. cost, $30,000.

App. 8034 (Siskiyou Co.) J. C. Sloss, Callahan, for 2 cu. ft. per second from Sugar Creek tributary to Scott river, to be diverted for mining purposes. Est. cost, $1200.

App. 8035 (Stanislaus Co.) Sarah A. Duffy, Rt. 3, Box 999, Modesto, for 2.5 cu. ft. per second from Tuolumne river tributary to San Joaquin river, to be diverted for irrigation purposes on 100 acres. Est. cost, $500.

App. 8036 (Siskiyou Co.) Mrs. Pansy Mcelwee, Takilma, Ore., for 3 cu. ft. per second from Bear Creek tributary to Indian Creek, to be diverted for power and domestic purposes, 75-hp. to be developed. Est. cost, $5000.

App. 8037 (Placer County) Kenneth Cooper, Roseville, for 0.62 cu. ft. per second from Antelope creek tributary to Dry Creek, to be diverted for irrigation on 54 acres.

App. 8038 (Los Angeles Co.) C. A. Swanson, Castaic, for 2 cu. ft. per sec. from spring tributary to Violin Canyon and Santa Clara river, to be diverted for recreational purposes. Estimated cost, $1000.

App. 8039 (Humboldt Co.) Frank G. Steward, trustee for E. R. McPheeters 1047 Sierra St., Berkeley, for 125 cu. ft. per second from Hoss Linto creek tributary to Trinity river, to be diverted for mining and domestic purposes.

App. 8040 (Trinity Co.) Frank G. Steward, trustee for E. R. McPheeters 1047 Sierra St., Berkeley, for 10 cu. ft. per second from Hawkins creek, tributary to Trinity river, to be diverted for mining and domestic purposes. Est. cost, $6000.

App. 8041 (Siskiyou Co.) C. R. McConnell, Clear Creek, for 30 cu. ft. per second from Clear creek tributory to Klamath River, to be diverted for power and domestic purposes. Estimated cost, $3000.

App. 8042 (Mono Co.) City of Los Angeles, 207 S. Broadway, Los Angeles, for 775 cu. ft. per second and 60,000 ac. ft. per annum from Mill, Leevining, Walker, Parker and Rush creeks tributary to Mono Lake, to be diverted for municipal purposes. Est. cost, $7,675,000.

App. 8043 (Mono Co.) City of Los Angeles, 207 S. Broadway, Los Angeles, for 775 cu. ft. per second and 60,000 ac. ft. per annum from Mill, Leevining, Walker, Parker and Rush creeks tributary to Mono Lake, to be diverted for power purposes, 53,365-t.h.p. to be developed.

App. 8044 (Trinity Co.) George E. Spurbick, Box 220, Redding, for 3 cu. ft. per second from an unnamed gulch tributary to Morrison Gulch, to be diverted for recreational purposes. Est. cost, $250.

App. 8045 (Amador County) R. Silva, 2216 22nd St., Sacramento, for 270,000 ac. ft. per annum from Cosumnes river tributary to Mokelumne river, to be diverted for power purposes, 13,360-t.h.p. to be developed. Estimated cost, $5,700,000.

App. 8046 (Amador County) R. Silva, 2216 22nd St., Sacramento, for 270,000 ac. ft. per annum from Cosumnes river tributary to Mokelumne river, to be diverted for municipal purposes in Sacramento Municipal Utility District.

App. 8047 (Trinity Co.) H. A. Spindler, Weaverville, for 40 cu. ft. per sec. form North Fork Trinity river, to be diverted for mining and domestic purposes.

24— STREET LIGHTING SYSTEMS

August 7, 1934

BIDS REJECTED

YREKA, Cal.—All bids received by the Yreka City Council August 2, for furnishing and installing 42 lighting standards on Main Street in Yreka, have been rejected.

The bids were:

Albert Young, Yreka: Prop. 1, $5,997.50; Alt. $5723; Prop. 2, $5217.40; Alt. $5069.20.

Electric Supply Co., Yreka, $4778.

California Oregon Power Co., Yreka: Prop. 1, $4515.91; Prop. 2, $5145.17 Prop. 3, $4548.72; Prop. 4, $5881.83

A. Soda & Son, Oakland: $6143; Alts. $5043; $6943; $8143.

The City probably will rent installed lighting equipment by the month.

25—MACHINERY AND EQUIPMENT

PLANNED

SAN DIEGO, Calif. — City Manager Lockwood and City Attorney C. L. Byers have issued to Diesel engine manufacturers copies of a proposed contract for the installation of a Diesel operated electric power plant to be paid for out of earnings. This move is preliminary to any informal bid call that might be decided on by the council. The projected plant would cost about $150,000 and be designed to supply current to the down-town lighting district, harbor, and other municipal uses.

BIDS OPENED

NAPA COUNTY, Cal. — Following bids received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, for the rental of two pneumatic tired dump trucks, chassis weight not less than 2800 lbs., body capacity not less than 1½ cu. yds., for approximately 800 hours, to be used in the vicinity of Napa and Calistoga, in Napa County:

	Per Hour
Triangle Trucking Co., 7316 Outlook Ave., Oakland	$1.34
F. Erickson, Oakland	1.38
J. Leonard, Oakland	1.45
Engent Della Rosa, Martinez	1.50
Steve Taylor, Oakland	1.50
Jerry Taylor, Oakland	1.50
Daniel Gallagher, San Francisco	1.50
M. Bertolino, San Francisco	1.50
Bruno Skibo, San Francisco	1.50
Rock & Gravel Trucking Co., Oakland	1.50
H. G. Miller, Oakland	1.50
Rosenberg Bros., San Francisco	1.50
H. E. Van Krusze, Guerneville	1.52
E. M. Roach, Oakland	1.75
L. B. Andrews, Oakland	1.75
A. Texeira, Oakland	1.77
F. Mullineaue, Oakland	1.83

Bids held under advisement

BIDS WANTED

HYRUM, Utah—Until August 27, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colo. for furnishing the following equipment for the Hyrum Dam, Utah:

(1) 3 16-ft. x 21-ft. radial gates;
(2) 3 motor-driven, double-drum, radial gate hoists;
(1) 3 16-ft. x 12-ft. radial gates; pressure gates, together with hydraulic hoists, gas hangers, automatic air valves, and conduit linings;
(4) 2 plate steel outlet pipes for installation in the spillway and outlet works.

Delivery f.o.b. cars bidder's shipping point or at Hyrum, Utah.

Specifications obtainable from the above office or from the Bureau of Reclamation, Washington, D. C., without charge to prospective bona fide bidders; to others, $3, not returnable.

BIDS OPENED

MENDOCINO COUNTY, Cal.—Sunset Decomposed Granite Co., 1152 N. Fairfax Ave., Hollywood, at $2.33 per hour, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Eureka, for the rental of four 3 yd. power dump trucks for approximately 325 hours, to be used in hauling slide material, gravel, sand etc., at Ukiah, Mendocino County.

Complete bids follow:

Sunset Decomposed Granite Co. Hollywood	$2.33
J. Starkenburg, San Bernardino	2.40
Wm. Kern, Weott	2.55
Chas. Kuppinger, Lakeport	2.75
K. N. Dewar, Eureka	2.91
Eugene Della Rosa, Martinez	3.00

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO. — Following bids received by the Department of Public Works, Division of Highways, John H. Skeggs, District Engineer, State Bldg., San Francisco, for the rental of three pneumatic tired dump trucks, chassis weight not less than 2800 lbs., body capacity not less than 1½ c.y., for approximately 800 hours, to be used in the vicinity of Santa Clara and Santa Cruz Counties:

	per hr.
F. Erickson, 1466 45th Ave., Oakland	$1.35
Steve Taylor, Oakland	1.48
Oliver DeShon, San Lorenzo	1.50
H. A. Cunningham, San Jose	1.50
L. Della Rosa & Sons, Martinez	1.50
M. Bertolino, San Francisco	1.50
Rosenberg Bros., San Francisco	1.50
Triangle Truckign Co., Oakland	1.50
Miller & Wiggington, Oakland	1.50
A. L. Philbrick, Glenwood	1.50
Bruno Skibo, Oakland	1.50
Daniel Gallagher T. M. & R. Co., San Francisco	1.50
L. C. Smith, San Mateo	1.50
F. Mullineaux and C. C. Oelkers & Ed Banger, Oakland	1.53
Sherral Bowman, Oakland	1.53
Manuel Madieros, Hayward	1.55
A. Texeira, Oakland	1.58
Jerry Taylor, Oakland	1.60
Leonard Madera, Oakland	1.64
S. N. Epperson, San Jose	1.68
L. M. Clough, Oakland	1.75
Rock & Gravel Trucking Co., Oakland (no affidavit)	1.88
Garcia Const. Co., Irvington	2.50

All bids held under advisement.

BIDS OPENED

SAN DIEGO, Cal.—Identical bids at $3,285 less 2% 30 days, were submitted to the State Bureau of Purchases, Sacramento, for furnishing one 6-ton roller for San Diego, by the following: Smith Booth Usher (Galion), Austin Western Road Machinery Co. (Austin), Brown Bevis (Huber), and Crook Co. (Buffalo-Springfield).

BIDS OPENED

INDIO, Cal.—Following bids received by the State Bureau of Purchases, Sacramento, for furnishing one tractor for Indio:

Smith Booth Usher (Cletrac) wide gauge, $2855; alt., standard gauge, $2,692. Less 7% 30 days. Allowance on used tractor, $150.

Freeland Tractor & Equipment Co (Caterpillar) $2715; 2% 30 days. Allowance, $350.

Hulse Anderson (Caterpillar) $2697, 2% 30 days; $310 allowance.

Crook Co. (Allis Chalmers) $2695. No discount. Allowance $507.

Brown Bevis (McCormick Deering) $2821; 5% 30 days. Allowance $75.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing and delivering to the Department of Water and Power of the City of Los Angeles, Calif., oil circuit breakers, complete, in accordance with Specifications No. 1412, were opened by D. P. Nicklin, Purchasing Agent, August 7. Bids were taken as follows:

I. 4 only oil circuit breakers, each capable of interrupting all current for 0 to 10,500 R.M.S. amperes at 138,000 volts, and interrupting all currents between 25% and 100% full rating in not more than .05 seconds after the protective relay contacts have been closed, said breakers to be complete, including spare parts and all necessary oil, as follows:
(a) f.o.b. cars Los Angeles, Calif.
(b) f.o.b. cars bidder's factory;
(c) f.o.b. cars bidder's factory with full freight allowed to Los Angeles, Calif.;

II. 16 only oil circuit breakers, each capable of interrupting all currents from 0 to 10,500 R.M.S. amperes at 138,000 volts, and interrupting all currents between 25% and 100% full rating in not more than 0.133 seconds after the protective relay contacts have been closed, said breakers to be complete, including spare parts and all necessary oil, as follows:
(a) f.o.b. cars Los Angeles, Calif.;
(b) f.o.b. cars bidder's factory (lump sum price);
(c) f.o.b. cars bidder's factory with full freight allowed to Los Angeles, Calif. (lump sum price)

II Alt. A. 16 only oil circuit breakers, each capable of interrupting all currents from 0 to 10,500 R.M.S. amperes at 138,000 volts, and interrupting all currents between 25% and 100% full rating in not more than 0.083 seconds after the protective relay contacts have been closed, said breakers to be complete, including spare parts and all necessary oil, as follows:
(a) f.o.b. cars Los Angeles, Calif.
(b) f.o.b. cars bidder's factory;
(c) f.o.b. cars bidder's factory with full freight allowed to Los Angeles, Calif.;

II Alt. B. 16 only oil circuit breakers, each having the same characteristics as those covered in Item II, excepting that they shall be designated and built so that at a future date they may be remodeled to be capable of interrupting all currents from 0 to 14,600 R.M.S. amperes at 138,000 volts with a minimum of expense and alterations, said breakers to be complete, including spare parts and all necessary oil, as follows:
(a) f.o.b. cars Los Angeles, Calif.
(b) f.o.b. cars bidder's factory;
(c) f.o.b. cars bidder's factory with full freight allowed to Los Angeles, Calif.;

II Alt. C. 16 only oil circuit breakers, each having the same characteristics as those covered in II Alt. A, excepting that they shall be designed and built so that at a future date they may be remodeled to be capable of interrupting all currents from 0 to 14,600 R.M.S. amperes at 138,000 volts, with a minimum of expense and alterations, said breakers to be complete, including spare parts and all necessary oil, as follows:
(a) f.o.b. cars bidder's factory;
(b) f.o.b. bidder's factory;
(c) f.o.b. cars bidder's factory with full freight allowed to Los Angeles, Calif.;

III. Estimated price per 3-pole oil circuit breaker for all parts and equipment required to rebuild the breakers covered by Items II-B and II-C to make them capable of interrupting the 14,600 R.M.S amperes at 138,000 volts

The bidders were:
(1) Pacific Electric Mfg. Co.
(2) General Electric Company.
(3) Westinghouse Electric Company.
(4) Kellman Electric & Supply Co.
(5) Conduit Electrical Mfg. Corp.

——I——

	(a)	(b)
(1)	$.....	$.....
(2)	120,450	117,150
(3)	126,460	123,410
(4)	73,225	73,225
(5)	.....	.....

——II——

	(a)	(b)
(1)	$320,878	$318,537
(2)	363,370	350,845
(3)	346,170	333,882
(4)	236,240	236,240
(5)	370,150	358,050

——IIA——

	(a)	(b)
(1)	$396,683	$390,244
(2)	445,394	432,294
(3)	423,590	411,290
(4)	245,840	245,840
(5)	.....	.....

——IIB——

	(a)	(b)
(1)	$336,293	$333,854
(2)	380,910	368,290
(3)	362,858	349,370
(4)	244,240	224,240
(5)	388,420	376,200

——IIC——

	(a)	(b)
(1)	$411,707	$409,171
(2)	466,910	453,210
(3)	444,184	430,634
(4)	253,840	253,840
(5)	.....	.....

——III——

Pacific Electric Mfg. Co., $3141.46; General Electric Co., $3500; Westinghouse Electric Co., $3380; Kellman Electric & Supply Co., $3500; Conduit Electrical Mfg. Corp., $3600.

All bids net.

NOTE—No bids received on (c).

26— RAILROADS

August 3, 1934

BIDS WANTED

LOS ANGELES, Cal. — Until August 29, 10 A. M., bids will be received by the general manager of the Los Angeles Harbor Department, Room 112, City Hall, Los Angeles, for subgrade, track and structures, Los Angeles Municipal Terminal Railroad, under Spec. No. 930. The specifications cover the furnishing of materials, except materials furnished by the city, and constructing a standard gauge railroad track, approximately 13,650 ft. in length, including grading, track laying, trestle construction, paving, automatic grade crossing protection, etc.

Bidding data may be obtained from the Harbor Engineer, Branch City Hall, San Pedro, upon deposit of $15. Arthur Eldridge, general manager.

The Harbor Department will furnish:

(a) manganese steel crossing frogs for two Pacific Electric crossings over the L. A. & S. L. main line;
(b1) 93 creosoted crossing ties, 8x10 in. and 8-ft. 6-in. to 12-ft. in length;
(b2) 347 creosoted cross ties, 7x9-in. 8-ft.;
(c) railroad track spikes;
(d) 139 creosoted piles, 43 to 57 ft. in length;
(e) creosoted caps, deck framing, stringers, etc.;
(f) creosoted renewal ties, as needed

The work involves:
(1) 26,500 lin. ft. 90-lb ARAA rail for main line track;
(2) 3300 lin. ft. 90-lb. ARAA rail for bridge trestle and guard rail;
(3) 600 lin. ft. same for placement next to track crossings in lines crossed;
(4) 720 lin. ft. 128-lb. Trilby girder rail for pavement crossings;
(5) 950 joints for 90-lb. rail;
(6) 12 joints for 128-lb. Trilby girder rail;
(7) 44 compromise joints;
(8) 40 insulated joints for 90-lb. ARAA rail;
(9) 30 kegs (200 lbs. each) bolts for joints for 90-lb. rail;
(10) 150 lbs. bolts for joints, 128-lb. rail;

(11) 16,000 tie plates for 90-lb. ARAA rail;
(12) 300 tie plates for 128-lb. Trilby girder rail;
(13) 180 brace tie plates for 128-lb. do;
(14) 475 braces for 90-lb. ARAA guard rail;
(15) 3400 anti rail creepers;
(16) 38,600 track spikes;
(17) 450 lbs. nuts locks;
(18) 4 end frogs;
(19) 1 bolted frog;
(20) 1 pair 90-lb. clamp guard rails for frogs;
(21) 1 pair 16-ft. 6-in. switch point;
(22) 1 switch stand with lamp;
(23) 3 double and 2 single crossings, including those to be furnished by city.
(24) 7800 creosoted 7-in. x 9-in. x 8-ft. creosoted cross ties;
(25) 55 creosoted ties, 7-in. x 9-in., varying lengths 8 to 15-ft., for No. 9 turnout;
(26) 246 crossing ties, 7-in. x 9-in., 8½ to 15-ft.;
(27) 7300 cu. yds. crushed rock ballast;
(28) 6600 cu. yds. excav. for grading south of Anaheim;
(29) 50 cu. yds. fill for grading, do;
(30) Track laying, on main line—128-lb. Trilby rail;
(31) 360 ft. 128-lb. Trilby rail in pave.
(32) 220 ft. 90-lb. rail in pavement;
(33) 12,280 ft. 90-lb. rail on subgrade;
(34) 600 ft. 90-lb. rail on trestles (ballast deck);
(35) 100 ft. 90-lb. rail on bridge (do);
(36) 1 90-lb. No. 9 turnout;
(37) 5900 lin. ft. regrading, surfacing and aligning on spurs;
(38) 630 lin. ft. old track taken up from spurs;
(39) 1030 lin. ft. interchange yard track to be removed;
(40) 8400 sq. ft. existing pavement to break out and remove;
(41) 2400 sq. ft. timber plank pavement to be removed;
(42) 3640 sq. ft. 7-in. asph. concrete pavement;
(43) 4940 sq. ft. 5—5½-in. asph. conc. pavement;
(44) 40 tons asphalt concrete resurf.;
(45) 188 lin. ft. 12-in. corr. pipe culvert;
(46) 20 lin. ft. 18-in. do;
(47) 2200 bd. ft. creosoted lumber;
(48) 840 bd. ft. redwood;
(49) 400 lbs. hardware in drainage system;
(50) 7000 lin. ft. piles, timber trestle, 12-lb. treatment;
(51) 63,500 ft. BM. 8-in. treatment creosoted timber for trestle piles;
(52) 3500 ft. BM 16-lb. treatment creosoted timber for trestle piles;
(53) Hardware complete for trestle, including straps, bolts, nuts, washers, etc.
(54) Irish flax felt, sheet zinc, etc.;
(55) 2 sets electric signal sets, type 5, (N. St. Crossing);
(56) 2 sets electric signal sets, type 4 (Henry Ford Ave.);
(57) 12 cu. yds. conc. in retaining walls at bridge abutments;
(58) 1200 lbs. reinforcing steel in retaining walls at bridge abutments.

PLANNED

EUREKA, Humboldt Co., Cal.—The Northwestern Pacific Railway plans construction of a spur track from the main line in Eureka to the plant of the Humboldt Malt & Brewing Co. The work will be done by the owner's own forces.

Estimated cost, $15,000.

28—FIRE EQUIPMENT

DISTRICT FORMED

MONTEREY COUNTY, Cal.—Monterey County residents in the vicinity of Salinas, voted formation of a fire protection district Aug. 2. The district will erect a firehouse, on ground provided by the City of Salinas and plans the purchase of a fire truck.

30—RESERVOIRS & DAMS

BIDS WANTED

UPLAND, San Bernardino Co., Cal.—Until August 16, 5 P. M., bids will be received by R. G. Manley, City Purchasing Agent, 240 E. 9th St., Upland, for furnishing all or part of the material for the construction of a 2,500,000 gallon reinforced concrete reservoir. Bidders may obtain a list of the material by applying for same at the office of the City Service Manager, 24' E. 9th St., Upland. The materials required are:

(1) 45 tons reinforcing steel;
(2) 27,000 sq. ft. Clinton mesh;
(3) 4,800 sacks cement (paper sacks);
(4) 1,400 tons sand and gravel;
(5) 575 pieces 2x8-in. x 16-ft. O. P. No. 1 select common S1E;
(6) 228 pieces 2x8-in. x 18-ft. do;
(7) 96 pcs. 3x12-in. x 16-ft. do;
(8) 570 l.f. 2x8-inch redwood No. 1 heart common;
(9) 182 l.f. 4x8-in. redwood do do;
(10) 26,600 sq. ft. 1x6-in. O. P. No. 1 common select, S1S;
(11) 7,000 l.f. 2x4-in. do;
(12) 740 l.f. 1x2-inch redwood No. 1 heart common, S4S;
(13) 500 l.f. ¼x10-in. galv. wire screen
(14) 100 l.f. ¼x36-in. do;
(15) 26,600 sq. ft. 85-lb. roofing, Pioneer, or equal;
(16) 1 18-in. x 8-ft. CIP, Class B, per specifications;
(17) 1 6-in. x 8-ft. do;
(18) 1 18-in. gate valve (flanged).
(19) 1 6-in. gate valve (flanged).

BIDS WANTED

BONNEVILLE, Oregon—Until August 10, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Major C. F. Williams District Engineer, for drilling for sub-surface investigations for the purpose of obtaining reliable information as to the nature of the materials below the surface at the site of the main spillway dam, powerhouse, and locks, of the Bonneville Power-Navigation Project on the Columbia River. Work consists of drilling of about 38 holes. Bid No. 35-71.

Bids will be taken as follows:

(1) 100 lin. ft. overburden drilling in river 3¾-in. to 4-in i. d. drive pipe;
(2) 150 lin. ft. overburden drilling in river 2¾-in. to 3-in. i. d. drive pipe;
(3) 1250 lin. ft. overburden drilling on land 2¾-in. to 3-in. i. d. drive pipe;
(4) 300 lin. ft. core drilling in river, 1⅝-in. diameter core;
(5) 200 lin. ft. core drilling on land, 1⅝-in. diameter core;
(6) 100 lin. ft. cement drilling (or reaming);
(7) 350 lin. ft. Core recovered;
(8) 400 lin. ft. drive pipe left in ground, 2¾-in. to 3-in. i. d.;

Plans, specifications and map, obtainable at the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Block, Portland.

31—PIPE LINES & WELLS

FINANCING

SAN DIEGO, Cal.—A proposal to finance the construction of the El Capitan Pipe Line by RFC funds has been made to the Corporation by City Attorney C. L. Byers. The City Will have available about $200,000, but the cost of building the pipe line is $500,000, requiring additional financing.

BIDS OPENED

BONNEVILLE, Oregon — A. M. Jennsen Drilling Co., Beaverton, Ore., at $2080 submitted the only bid received by the U. S. Engineer Office, Portland, under Bid No. 35-47, for drilling a well for the purpose of providing a domestic water supply for the permanent quarters area at Bonneville Dam.

COMPLETING PLANS

SAN LUIS OBISPO and Kern Cos., Cal.—Standard Oil Co. of California, 225 Bush St., San Francisco, is completing plans for construction of a pipe line to carry oil from Kern river near Bakersfield, Kern County, to Estero Bay, San Luis Obispo County. The distance is approximately 108 mi. Twelve-inch steel pipe will be used. Seven pumping stations are to be constructed, a storage reservoir at Estero, and several steel storage tanks, buildings to house pumps, etc. Construction will start about Sept. 1. The company will purchase equipment and materials and probably will let contracts for a portion of the construction. H. H. Hall, 225 Bush St., San Francisco, is chief engineer.

Cost is estimated at $4,000,000.

32— SEWERS & SEWAGE DISPOSAL PLANTS

PLANNED

CARMEL, Monterey Co., Cal.—The Board of Trustees of the Carmel Sanitary District have invited suggestions for methods of solving the sewage disposal problem of the district. The Board will consider proposals made in writing and in detail acceptable for submission to the State Board of Sanitary Engineers. Voters in the district recently defeated a bond issue of $80,000 proposed for construction of a sewage disposal plant.

A. T. Shand, Secretary of the Board.

PLANS COMPLETED

COLTON, San Bernardino Co., Cal.—Currie Engr. Co., Andreson Block Bldg., San Bernardino, has completed plans for a sewage treatment plant to be erected at Colton at a lost of $40,000 under a PWA loan and grant. Bids will be called shortly. Engineer's estimate includes structures, $16,500; operating equipment, $10,600; pipe and fittings, $2,300; placing equipment, $2,010; sluice beds, $830. Work involves 543 ft. 18-in. and 60 ft. 15-in. sewer pipe.

PREPARING PLANS

SAN JUAN CAPISTRANO, Cal.—Currie Engineering Co., Anderson Block Bldg., San Bernardino, and W. A. Ayer, San Clemente, are preparing plans for the rebuilding of the septic tank under a PWA allotment of $17,000. The proposed work involves the construction of a secondary clarifier a trickling filter, and 300 ft. of outfall sewer. Bids will be taken probably within six weeks.

PLANNED

PHOENIX, Ariz.—Plans for a storm sewer system to be built under PWA loan and grant will be presented to the city commission shortly and bids will be called as soon as plans are approved by the PWA. Orme Lewis is special city attorney in charge of public works projects.

CONTRACT AWARDED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., San Francisco, at $133,921 awarded contract by the Department of Public Works, City Hall, for the construction of sewers and appurtenances in Sixth Street bet. Howard and Brannan Streets.

33— WATER WORKS

BIDS WANTED

CHEHALIS, Wash. — Until August 15, 4:30 P. M., bids will be received by the Chehalis City Council for furnishing and laying about 3½ miles of 16-inch creosoted wood or reinforced concrete pipe in Gravity Supply Main of Municipal Water System and about 53,500 ft. of 4-in., 6-in. 8-in. and 14-in. cast iron pipe in distribution system, together with valves, fittings, hydrants, and other appurtenances.

Specifications obtainable from City Clerk C. E. Sonnemann, upon deposit of $10.

The PWA has granted $30,000 and loaned $110,000 toward the cost.

BIDS OPENED

LOS ANGELES, Calif.—The following bids received by A. J. Holm, Los Angeles City Purchasing Agent, City Hall, August 2, for furnishing Los Angeles Bureau of Construction with all labor and material for fabricating and erecting at Griffith Park for irrigation system one 300,000-gal. capacity steel tank, 43 ft. in diameter and 29 ft. 3⅝ inches in height, in accordance with plans on file in the office of the Bureau of Construction, Room M-76, City Hall, under Spec. No. 3342:

Western Pipe & Steel Co., Los Angeles, $3282; Alt. 1, 305,000-gal. capacity, $3120; Alt. 2, 399,000-gal. capacity, $3364. Terms net.

Chicago Bridge & Iron Works, Los Angeles, $3,670. Net.

National Tank & Mfg. Co., Los Angeles, $3,967. Terms, 2% 30 days.

Lacy Mfg. Co., Los Angeles, $4,032. Net.

Consolidated Steel Corp., Ltd., Los Angeles, $4,188. Net.

Minneapolis - Moline Power Implement Co., Los Angeles, $4,488. Terms, ¼ of 1%, 30 days.

BOND ELECTION

TRUCKEE, Nev. Co., Cal.—Truckee Public Utility District will submit a proposal to the electorate at the August primaries on the plan of floating a $45,000 bond issue to finance purchase of the existing privately-owned water system.

C. E. Edwards, Utility Manager.

ELECTION DATE POSTPONED

EUREKA, Humboldt Co., Cal.—The Eureka City Council has withdrawn the $959,000 bond issue to secure a PWA loan from the ballot at the August primaries. Due to a technical provision in the election ordinance, discovered by the City after the date had been set, the bond election would be illegal if held in connection with the primary elections.

A new date for holding a special election to vote the bonds will probably be set at the Council's meeting August 7.

BID REJECTED

BEVERLY HILLS, Los Angeles Co., Cal.—Pacific Pump Works, Inc., 5716 Bickett St., Huntington Park, submitted the only bid to the Beverly Hills City Council July 31 for remodeling & furnishing new pumping equipment for the La Cienega booster plant at La Cienega and Gregory Way, Beverly Hills.

The bid was: Item (1) (a) $2581; (b) $1499; (c) $964; Items (2) and (3) identical, (a) $2322; (b) $1842; (c) $1307.

This bid was rejected and the consulting engineers, Salisbury, Bradshaw & Taylor, 714 W. 10th St., Los Angeles were authorized to purchase this equipment on the open market.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1233, for furnishing:

(1) Furnishing, testing and delivering high pressure fire hydrants for the auxilary water supply system for fire protection.
(2) Furnishing, machining and delivering nozzle caps.

M. Greenberg & Sons, (1) $162.80; (2) 98c.
Columbia Machine Works, (1) $197.10 (2) $1.80.
A. P. Smith Mfg. Co., (1) $164.50; (2) $1.60.
Filer Stowell Co., (1) $187; (2) $1.65.
General Engineering & Dry Dock Co., (1) $166.50; (2) $1.75.
Bethlehem Shipbuilding Corp., (1) $204; (2) $1.48.
United Iron Works, (1) $187; (2) $1.25
Rich Mfg. Co., (1) $144.88; (2) $1.08.
United Machine Works, (1) $169.50; (2) $1.45.

All bids held under advisement.

BIDS WANTED

SAN CLEMENTE, Cal.—Until August 17, 8 P. M., bids will be received by the San Clemente City Council, 210 Easley Bldg., San Clemente, for furnishing all labor, material, transportation and services for the construction of cast iron water mains in the City of San Clemente, to replace existing steel mains. The work is being financed by PWA allotment. The estimated cost is between $36,000 and $40,000. Plans were prepared by W. A. Ayer, City Engineer, San Clemente. William Holmes, City Clerk.

The work involves:

(1) 41,418 4-in. C.I.P. Class 150, Government specifications;
(2) 3559 6-in. cast iron pipe;
(3) 1600 8-in. cast iron pipe;
(4) 560 10-in. cast iron pipe (pipe to be in 16 or 18 ft. lengths);
(5) 41 hydrant connections;
(6) 42 4-in. plugs;
(7) 35 4-in. gate valves;
(8) 7 6x6x4-in. tees;
(9) 76 4-in. tees;
(10) 4 4-in. crosses;
(11) 41 4-in. ells;
(12) 40 4-in. 22½-degree ells;
(13) 38 4-in. 45-degree ells.
(14) 2 8-in. 45-degree ells;
(15) 5 8-in. 22½-degree ells;
(16) 7 8x8x4-in. tees;
(17) 5 4x24-in. nipples;
(18) 1 12x12x16-in. wye (to connect to wood main);
(19) 1 10-in. 45-degree ell;
(20) 1 10x10x4x4-in. cross;
(21) 1 10x10x6x4-in. cross;
(22) 1 6-in. gate valve;
(23) 1 10-in. gate valve;
(34) 560 lin. ft. 6-in. street main to be removed;
(25) 1 6x4-in. reducer;
(26) 1 8x4-in. reducer;
(27) 1 8x4-in. ell;
(28) 1 6x12-in. reducer;
(29) 1 6x4x8-in. tee;
(30) 80 ft. 14-in. steel casing;

Fittings and valves to be cast iron in accordance with AWWA specifications.

NOTE—The city reserves the right to decrease the amount of 4-in. pipe if funds sufficient to complete the estimated work are not available.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

OAKLAND, Cal.—Until August 21, 4 P. M., bids will be received by the Board of Education, Oakland School District, 1025 Second Avenue, Oakland, for construction of fence, removal and re-erection of present fence on the site of the Markham School, Krause Avenue and Church Street, Oakland.

Specifications on file at the office of the Secretary of the Board and the Director of Purchasing, Administration Building.

BIDS WANTED

PORTLAND, Ore.—Until Wednesday, August 29, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for seeding and planting grounds of the United States Court House in Portland.

29—STREETS AND HIGHWAYS

BIDS WANTED

ORANGE COUNTY, Cal. — Until August 20, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, 808 State Bldg., Los Angeles, for 15.3 miles of fuel oil treatment in Orange County, between Galivan and Irvine, between Huntington Beach and Newport, and on Hampshire Avenue in Huntington Beach between Route 60 and Garfield Street. The work involves:

(1) 143,300 sq. yds. preparing surface, mixing fuel oil and shoulder or roadbed materials shaping and rolling;
(2) 3150 bbls. heavy fuel oil in place.

Plans and specifications obtainable from the above office.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until August 20, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 3rd St., San Bernardino, for 0.7 mile of grading and surfacing with oil treated crushed gravel or stone (plant mix) and bituminous surface treatment applied, in Riverside County, Eschschlozia Ave., between Frederick St. and Graham Street.

Plans and specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO, Nevada and Butte Cos., Cal.—Until August 21, 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville Hotel Marysville, for 28 miles of bituminous surface treatment in Sacramento, Nevada and Butte Counties.

The work requires:

(1) 68 tons cut-back asphalt (Loc. A);
(2) 410 tons sand (Location A);
(3) 100 tons emulsified asph. (Loc. B);
(4) 600 tons sand (Location B);
(5) 50 tons cut-back asphalt (Loc. C)
(6) 300 tons sand (Location C);
(7) 43 tons asph. road oil (Loc. D);
(8) 515 tons screenings (Loc. D).

BIDS WANTED

PLACER and Nevada Cos., Calif.—Until August 21, 10:30 A. M., bids will be received by Department of Public Works, Division of Highways, C. H. Whitmore, District Engineers, Marysville Hotel, Marysville, for 23.6 miles of bituminous surface treatment in Placer and Nevada Counties.

The work requires:

(1) 37 tons asph. road oil (Loc. A);
(2) 440 tons screenings (Loc. A);
(3) 68 tons cut-back asphalt (Loc. B);
(4) 415 tons sand (Loc. B);
(5) 96 tons asph. road oil (Loc. C);
(6) 1,150 tons screenings (Loc. C);
(7) 18 tons asph. road oil (Loc. D);
(8) 205 tons screenings (Loc. D).

Plans and specifications obtainable from the above office

BIDS WANTED

SONOMA COUNTY, Cal.—Until August 20, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, for about 3.2 miles of existing asphalt concrete pavement to be planed in Sonoma County between Guerneville and Sebastopol.

Plans and specifications obtainable from the above office •

BIDS WANTED

RIVERSIDE COUNTY, Calif.—Until August 20, 2 P. M., as previously reported, bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for 0.7 mile of grading and surfacing with oil treated crushed gravel or stone (plant mix) and bituminous surface treatment applied, in Riverside County, Eschschlozia Avenue, between Frederick and Graham Sts

The work involves·

(1) 1,500 c.y. rdwy. excav., unclass.:
(2) 100 c.y. struc. excav.:
(3) 2,400 tons crushed gravel in place;
(4) 125 tons asphalt road oil in place;
(5) 85 tons screenings in place;
(6) 5 tons asphalt roll oil in place;
(7) 4 c.y. Class A Portland cement concrete in place (structures);
(8) 120 lbs. bar reinf. steel (struc.);
(9) 138 l.f. 18-in. CMP in place;
(10) 70 timber guide posts in place;
(11) 37 stations finishing roadway.

Plans and specifications obtainable from the above office

BIDS OPENED

GLENDALE, Los Angeles Co., Cal. —Southwest Paving Co., 712 Lankershim Bldg., Los Angeles, at $33,324.42 submitted low bid to the Glendale City Council August 7, for the improvement of Verdugo Road from La Crescenta Ave. to the north city limits, involving grading, paving with asphaltic concrete, constructing curbs, sidewalks, concrete gutters and driveways and reinforced concrete steps.

Complete total bids follow:

Southwest Paving Co., L. A.	$33,324.42
G. R. Curtis Pave. Co., L. A.	33,548.70
Oswald Bros., Los Angeles	36,356.50
Mundo Engr. Co., L. A.	36,650.03
Griffith Co., Los Angeles	36,833.46
P. J. Akmadzich, L. A.	37,306.88
Heuser & Garnett, Glendale	41,780.89

All bids held under advisement.

NO BIDS RECEIVED

SAN LEANDRO, Alameda Co., Cal. —No bids were received by the San Leandro City Council August 6 for furnishing and spreading oil on street surfaces for the year ending June 30, 1935. The city will purchase the materials in the open market.

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until August 14, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. E. Wallace, District Engineer, Union Bldg., San Diego, for highway oiling in San Diego County, bet. Julian and easterly boundary, about 18.1 miles in length, to be treated with fuel oil. The work requires 4000 bbls. heavy fuel oil.

Plans and specifications may be obtained from the above office.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until August 30, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 6.8 miles of grading and surfacing with oil treated crushed gravel or stone in Riverside County between 1½ miles north of Moreno and 2½ miles west of Beaumont. The work involves:

(1) 90 acres clearing and grubbing right-of-way;
(2) 1,260,000 cu. yds. rdwy. excav. unclass.;
(3) 5,333,000 sta. yds. overhaul;
(4) 12,600 cu. yds. struc. excav.;
(5) 650 cu. yds. Class A Portland cement concrete, structures;
(6) 63,000 lbs. bar reinf. steel, strucs.
(7) 3430 lin. ft. 24-in. C.M.P.;
(8) 1016 lin. ft. 30-in. C.MP;
(9) 2136 lin ft. 36-in. C.M.P.;
(10) 88 lin. ft. 42-in. C.M.P;
(11) 544 lin ft. 48-in. C.M.P.;
(12) 228 lin ft. 54-in./C.M.P.;
(13) 28,300 tons crushed gravel or stone surfacing;
(14) 1400 tons fuel oil surfacing;
(15) 135 tons fuel oil shoulders;
(16) 16,400 s yds. mixing fuel oil and earth shoulders;
(17) 19,000 M. gals. water;
(18) 30,000 lin. ft. erosion protection mats;
(19) 7.9 mi. new property fence;
(20) 27 each fence gates complete in place;
(21) 357 stations finishing roadway;
(22) 100 monuments complete in place

The State will furnish corrugated metal pipe as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the State Highway Engineer's Office, Public Works Bldg., Sacramento, and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

FUNDS ALLOCATED

WESTERN STATES.—Funds for construction of highways across Federal Lands have been allocated by the U. S. Bureau of Public Roads for the fiscal year ending June 30, 1935, as follows:

Arizona	$ 355,080
California	245,040
Colorado	92,144
Idaho	131,632
Montana	137,901
Nevada	542,125
New Mexico	201,542
North Dakota	31,619
Oklahoma	22,580
Oregon	170,861
South Dakota	47,891
Utah	283,061
Washington	41,244
Wyoming	197,230
Total	$2,500,000

Expenditures will be under supervision of District Engineers for the U. S. Bureau of Public Roads located as follows:

District No. 1.—Oregon, Washington and Montana, Post Office Bldg., Portland, Oregon.

District No. 2.—California, Arizona and Nevada, 461 Market Street, San Francisco.

District No. 3.—Colorado, New Mexico and Wyoming, 237 Custom House, 19th and Stout Sts., Denver.

District No. 4. — Minnesota, North Dakota, South Dakota and Wisconsin, 410 Hamm Bldg., St. Paul, Minn.

District No. 6.—Arkansas, Louisiana, Oklahoma and Texas, Old Post Office Bldg., Fort Worth, Texas.

District No. 12. — Idaho and Utah, Federal Bldg., Ogden, Utah.

BIDS WANTED

FORT LEWIS, Wash.—Until Aug. 16, 11 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, for the construction of sidewalks, roads, curbs, drains, and electric ducts at Fort Lewis.

Plans and specifications obtainable from the above office upon deposit of $15.00. •

BIDS WANTED

SAN DIEGO COUNTY, Calif.—Until August 23, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for grading and paving with asphalt concrete or Portland cement concrete about .3 mile in the City of San Diego between Larkin St. and Broadway.

The work involves:

(1) 1230 c.y. rdwy. excav., unclass.;
(2) 1750 mi. yds. haul;
(3) 1460 c.y. struc. excav.;
(4) 6850 sq. yds. subgrade for pave.;
(5) 7 c.y Class A Portland cement concrete (structures, curbs, etc.)
(6) 350 pounds bar reinforcing steel (structures);
(7) 45 c.y. concrete, removed from existing pavement and disposed of;
(8) 25 l.f. 18-in. reinforced concrete pipe;
(9) 684 l.f. 24-in. do;
(10) 51 M. gals. water;
(11) 1 concrete joint;
(12) 1 electrolier, removed and salvaged;
(13) 3 catchbasins, frames and gratings;
(14) 120 bbls. fuel oil;
(15) 14 stations preparing, mixing and shaping shoulders;
(16) 14 stations finishing roadway.

Alternate Pavement Items

Alternative A

(17) 2850 tons asph. conc. pave.

Alternative B

(18) 1360 c.y. Class A Portland cement concrete pavement;
(19) 36,650 lbs. bar reinf. steel pave.

NOTE: On alternative types of paving, the contract may be awarded on the basis of the use of either Portland cement concrete or asphalt concrete at the option of the Director of Public Works.

Plans and specifications obtainable from the State Highway Engineer, Public Works Bldg., Sacramento, and on file at the offices of the District Engineers at Los Angeles and San work is situated. •

BIDS WANTED

MARIN COUNTY, Cal.—Until August 13, 11 A. M., bids will be received by the Marin County Board of Supervisors, V. M. Rice, County Clerk, San Rafael, for 3.6 mi. of asphaltic road mix treatment on the San Geronimo-Nicasio Road from San Geronimo northerly. The work involves:

(1) 175 tons cut-back asph. (bituminous treated surface);
(2) 3.6 mi. sacrifying roadbed, mixing cut-back asphalt and mineral aggregate and completing surfacing.

Plans and specifications obtainable from County Surveyor Rodney Ross-

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $4,989 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Villa Vista Road. The work involves approximately 115,000 sq. ft. of road oil treatment.

Complete bids follow:

A. J. Raisch Paving Co.	$4,989
Earl Heple, San Jose	5,710
L. F. Piazza, San Jose	6,974
Engineer's estimate	4,530

CONTRACT AWARDED

SAN FRANCISCO—M. J. Lynch, 1435 Church St., San Francisco, at $2149.10 awarded contract by Department of Public Works, City Hall, for the improvement of the crossing of Filbert and Kearny Sts.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

LUMBER — LOS ANGELES

LOS ANGELES—Daugherty Lumber Co., American Bank Bldg., Portland, at $29,938.62 awarded contract by the Los Angeles Water & Power Bureau, D. P. Nicklin, Purchasing Agent, 207 S. Broadway, for furnishing approximately 33 carloads or approximately 1,400,000 bd. ft. of lumber for the use on the Mono Basin Project, under Spec. No. 1464. Bids were taken as follows:

Item I—Furnishing and delivering all the lumber described in material list of lumber required for West Portal Camp, as follows:

(a) f.o.b. cars bidder's mill;
(b) f.o.b cars or department's trucks, Los Angeles Harbor;
(c) f.o.b. cars Laws (Inyo Co.), Calif.;
(d) f.o.b. bidder's trucks at departments camp site for West Portal Camp.

Item II—Furnishing and delivering all lumber described in material list of lumber required for East Portal Camp, as follows:

(a) f.o.b. cars bidder's mill;
(b) f.o.b. cars or department's trucks, Los Angeles Harbor,
(c) f.o.b. cars Laws (Inyo Co.), Calif.;
(d) f.o.b bidder's trucks at department's camp site for East Portal Camp.

Item III—Furnishing and delivering all the lumber described in material list of lumber required for Shaft No. 1 Camp, as follows:

(a) f.o.b. cars bidder's mill;
(b) f.o.b. cars or department's trucks, Los Angeles Harbor;
(c) f.o.b. cars Laws (Inyo Co.), Calif.;
(d) f.o.b bidder's trucks at department's camp site for Shaft No. 1 Camp.

Item IV—Furnishing and delivering all the lumber described in material list of lumber required for Shaft No. 2 Ca mp, as follows:

(a) f.o.b. cars bidder's mill;
(b) f.o.b. cars or department's trucks, Los Angeles Harbor;
(c) f.o.b. cars Laws (Inyo Co.), Calif.;
(d) f.o.b bidder's trucks at department's camp site for Shaft No. 2 Camp.

The bidders were:

(1) W. E. Cooper Lumber Co.
(2) Consolidated Lumber Co.
(3) Hammond Lumber Co.
(4) E. K. Wood Lumber Co.
(5) Patten-Blinn Lumber Co.
(6) *Consolidated Lumber Co.
(7) *Hammond Lumber Co.
(8) *E. K. Wood Lumber Co.
(9) *Patten-Blinn Lumber Co.
(10) Daugherty Lumber Co., f. o. b. cars mill.
(11) **Daugherty Lumber Co.

	ITEM I				ITEM II			
	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
(1)	$10,412.00	$12,863.93	$.....	$.....	$6,068.48	$ 7,613.81	$.....	$ .....
(2)	.....	16,503.81	20,299.79	21,354.23	.....	7,509.62	.....	11,063.28
(3)	.....	16,503.81	20,299.79	21,354.23	5,860.33	7,834.55	10,332.76	11,026.71
(4)	.....	16,503.81	20,299.79	21,354.23	5,860.33	7,834.55	10,332.76	11,026.71
(5)	.....	16,503.81	20,299.79	21,354.23	5,860.33	7,834.55	10,332.76	11,026.71
(6)	.....	.....	18,460.39	19,606.33	.....	.....	.....	.....
(7)	.....	.....	18,460.39	19,606.33	5,955.29	.....	9,891.76	10,649.01
(8)	.....	.....	18,460.39	19,606.33	5,955.29	.....	9,891.76	10,649.01
(9)	.....	.....	18,460.39	19,606.33	5,955.29	.....	9,891.76	10,649.01
(10)	8,650.96	.....	.....	.....	5,306.32	.....	.....	.....
(11)	13,957.28	21,909.17	.....	21,986.73	29,938.68	.....	.....	.....

(1) W. E. Cooper Lumber Co.
(2) Consolidated Lumber Co.
(3) Hammond Lumber Co.
(4) E. K. Wood Lumber Co.
(5) Patten-Blinn Lumber Co.
(6) *Consolidated Lumber Co.
(7) *Hammond Lumber Co.
(8) *E. K. Wood Lumber Co.
(9) *Patten-Blinn Lumber Co.
(10) Daugherty Lumber Co., f. o. b. cars mill.

	ITEM III				ITEM IV			
	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
(1)	$ 8,448.40	$10,453.87	$.....	$.....	$8,532.31	$10,657.31	$	$ .....
(2)	.....	10,469.31	.....	15,391.77	.....	10,655.26	.....	15,653.07
(3)	8,246.34	10,974.96	14,435.28	15,396.48	8,366.36	11,099.75	14,621.23	15,599.42
(4)	8,246.34	10,974.96	14,435.28	15,396.48	8,366.36	11,099.75	14,621.23	15,599.42
(5)	8,246.34	10,974.96	14,435.28	15,396.48	8,366.36	11,099.75	14,621.23	15,599.42
(6)	.....	.....	.....	.....	.....	.....	.....	.....
(7)	8,291.17	.....	13,606.16	14,659.71	$8,411.21	.....	13,785.88	14,857.17
(8)	8,291.17	.....	13,606.16	14,659.71	8,411.21	.....	13,785.88	14,857.17
(9)	8,291.17	.....	13,606.16	14,659.71	8,411.21	.....	13,785.88	14,857.17
(10)	7,951.89	.....	.....	.....	8,029.45	.....	.....	.....

**Combination bids: I and II, (a), (b), (c), (d); I, II, III, (a), (b), (d); I, II, IV, (a), (b), (c), (d); I, II, III, IV, (a), (b), (c), (d).

*Alternate bids for substituting of California pine for Douglas fir lumber.

W. E. Cooper Lumber Co.: air dried, 2%, 10 days.
Consolidated Lumber Co.: kiln dried, 5%, 30 days. Item I, 2% 10 days, 2, 3 and 4.
Hammond Lumber Co.: kiln dried, same.
E. K. Wood Lumber Co.: air and kiln dried, 5% 30 days. Item I, 2% 10days, 2, 3 and 4.
Patten-Blinn Lumber Co.: air or kiln dried, same.
Daugherty Lumber Co.: 2% 10 days.

LOS ANGELES — STEEL PIPE — (CITY)

LOS ANGELES, Cal.—Bids for furnishing steel pipe for the Mono Basin Project, Spec. No. 1476, were opened by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, 207 S. Broadway.

Complete bids follow:

I.—32,500 lin. ft. 4-in. O. D. black steel pipe, 128-in. wall thickness, 5,293 lbs. per lin. ft., plain ends, in random lengths of 18- to 22-ft.

Ia.—Same as I, except ends to be prepared for use with Victaulic couplings.

II.—34,200 lin. ft. 6-in. O. D. black steel pipe, 14-in. wall thickness, 8,762 lbs. per lin. ft., plain ends, in random lengths of 18- to 22-ft.

IIa.—Same as II, except ends to be prepared for use with Victaulic couplins.

III.—10,000 lin. ft. 8-in. O. D. black steel pipe, .158-in. wall thickness, 13,233 lbs. per lin. ft., plain ends, in random lengths of 18- to 22-ft.

III.—Same as III, except ends to be prepared for use with Victaulic couplins.

IV.—1300 lin. ft. 6⅝-in. O. D. black steel pipe, .280 - inch wall thickness, threaded and coupled with line pipe couplings, 19,450 lbs. per ft., random lengths 18- to 22-ft.

IVb.—2800 lin. ft. 8⅝-in. O. D. black steel pipe, .277-inch wall thickness, threaded and coupled with line pipe couplings, 24.55 lbs. per ft., random lengths 18- to 22-ft.

The bidders were:

(A) South Chester Tube Co.
(B) National Supply Co. of Calif.
(C) Griffith Pipe & Supply Co.
(D) Whitin-Mead Company.
(E) Viking Automatic Sprinkler Co.
(F) Associated Piping & Engr. Co.
(G) Kelly Pipe Company.
(H) Ducommun Company.
(I) Santa Fe Pipe & Supply Co.
(J) Petroleum Equipment Co.
(K) Grinnell Company.
(L) California Pipe & Supply Co.
(M) Smith Booth Usher Co.
(N) Crane Company.
(O) Mell O. Haldeman.
(P) Hacker Pipe & Supply Co.
(Q) Hickey Pipe Company.
(R) Penn. Iron & Steel Co.
(S) Standard Pipe & Supply Co.
(T) Goddard Jackson Co.
(U) Pacific Southwest Pipe Co.
(V) Robt. M. Hartwell.

The bids were:

	—I—		—I Alt.—		—II—		—II Alt.—		—III—		—III Alt.—		—IVa—		—IVb—	
	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)
(A)	$24.14	$24.40	$	$	$40.38	$40.82	$	$	$62.53	$63.19	$	$	$90.98	$91.95	$121.53	$122.80
(B)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(C)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(D)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(E)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(F)	24.14	24.40	29.00	29.36	40.38	40.82	46.25	46.69	62.53	63.19	70.00	70.66	90.98	91.95	121.53	122.80
(G)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(H)	24.14	24.40	30.67	29.73	40.38	40.82	50.09	48.50	62.53	63.19	76.79	74.36	90.98	91.95	121.53	122.80
(I)	24.14	24.40	.....	30.00	40.38	40.82	.....	47.82	62.53	63.19	.....	72.69	90.98	91.95	121.53	122.80
													90.98	91.95		
(J)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	93.89	94.86	121.53	122.80
													90.98	91.95	121.53	122.80
(K)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	93.89	94.86	121.53	122.61
(L)	24.14	24.40	.....	.....											121.53	122.80
					40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	125.34	126.61
(M)	24.14	24.40	.....	.....	40.38	40.82	44.61	45.05	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(N)	24.14	24.40	27.09	27.35	40.38	40.82	.....	.....	62.53	63.19	68.79	69.45	90.98	91.95	121.53	122.80
(O)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(P)	24.14	24.40	.....	.....									90.98	91.95	121.53	122.80
					40.38	40.82	.....	.....	62.53	63.19	.....	.....	93.89	94.86	125.34	126.61
(Q)	24.14	24.40	.....	.....									90.98	91.95	121.53	122.80
					40.38	40.82	.....	.....	62.53	63.19	.....	.....	93.89	94.86	125.34	126.61
(R)	24.14	24.40	.....	31.40	40.38	40.82	.....	48.82	62.53	63.19	.....	74.19	90.98	91.95	121.53	122.80
(S)	24.14	24.00	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(T)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(U)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80
(V)	24.14	24.40	.....	.....	40.38	40.82	.....	.....	62.53	63.19	.....	.....	90.98	91.95	121.53	122.80

Hacker Pipe & Supply Co., terms net; all others 2% 10 days. No figures were submitted on combined bid.

SAN FRANCISCO—University Mound Pipe Line—(City)

SAN FRANCISCO.—Sibley Grading & Teaming Co., Ltd., 165 Landers St., at $53,503 submitted low bid to Public Utilities Commission, Room 287, City Hall, for the laying of the University Mound pipe line extension on Potrero Ave. from 25th to Brannan St., under Spec. No. W. D. 62.

The work involves:

(1) removal and delivery of steel pipe from Newark - San Lorenzo Pipe Line to San Francisco:
(a) 2,200 l.f. 44-in. pipe;
(b) 4,200 l.f. 36-in. pipe;
(2) excavation, backfill, excess removal, etc., for trench:
(a) 2,200 l.f. of trench for 44-in. pipe
(b) 4,200 l.f. of trench for 36-in. pipe
(3) additional excavation, backfill, excess removal, etc., 400 c.y.;
(4) additional pavement removal and replacement, 1,000 sq. ft.;
(5) installation of pipe, making of field joints, cleaning up, etc.:
(a) 2,200 l.f. 44-in. pipe;
(b) 4,200 l.f. 36-in. pipe;
(6) installation of fittings, gate valves, etc., 20,400 lbs.;
(7) additional field joints, including preparation, handling, making and lining and coating of joints, 150 l.f.
(8) insulating joints, including material, prepare pipe, making and installation of joint, wrapping and lining of joints, 7 joints;
(9) connections—work to be done by S. F. Water Department.

Total bids follow:

(A) Sibley Grading & Teaming Co., $53,503.00.
(B) W. J. Tobin, Oakland, $56,010.00.
(C) Barrett & Hilp, San Francisco, $57,230.00.
(D) Union Paving Co., San Francisco, $61,675.00.
(E) Youdall Const. Co., San Francisco $63,443.00.
(F) M. J. Lynch, San Francisco, $66,-272.00.
(G) American Concrete & Steel Pipe Co., Oakland, $68,598.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1a)	$ 2.85	$ 2.05	$ 3.00	$ 2.50	$ 2.27	$ 3.25	$ 3.05
(1b)	1.27	1.00	1.25	1.25	1.15	1.90	.95
(2a)	4.13	6.00	4.50	4.30	5.06	4.98	5.40
(2b)	3.09	6.75	4.20	5.50	6.05	5.80	6.20
(3)	3.00	3.00	3.00	4.00	3.90	3.50	3.15
(4)	.50	.40	.38	.25	.41	.35	.38
(5a)	1.50	1.60	2.00	1.75	1.77	1.61	2.20
(5b)	1.20	1.20	1.60	1.50	1.38	1.26	1.50
(6)	.10	.10	.075	.10	.08	.08	.09
(7)	3.50	3.00	3.40	3.50	3.40	3.40	5.75
(8)	350.00	300.00	300.00	400.00	325.00	300.00	500.00
(9)	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	1000.00

All bids held under advisement.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $1,584.30 submitted the low bid to Sacramento County Board of Supervisors, Court House, Sacramento, for the construction of a 2-in. asphalt macadam shoulder 2½-ft. wide on the Old Marysville Road.

Complete bids follow:

(A) A. Teichert & Son, Inc., Sacramento, $1,584.30.
(B) J. R. Reeves, Sacramento, $1,-678.53.
(C) McGillivray Const. Co., Sacramento, $1,776.80.

Unit quantities follow:

(1) 23,325 sq. ft. finished subgrade;
(2) 164 tons 1½-in. clean crushed rock;
(3) 65 tons ¾-in. clean crushed rock;
(4) 45 tons clean screenings;
(5) 17 tons asph. or asph. road oil.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ .014	$ .017	$ .02
(2)	2.75	2.90	2.95
(3)	2.75	2.90	2.95
(4)	3.00	3.25	3.15
(5)	29.00	27.75	29.00

All bids held under advisement.

FUNDS ALLOCATED

WESTERN STATES — Funds for construction of highways in National Parks of Arizona and California have been allocated by the U. S. Bureau of Public Roads for the fiscal year ending June 30, 1935, as follows: Grand Canyon National Park, $253,213; Petrified Forest National Monument, $74,475; Lassen National Park, $99,363; Sequoia National Park, $94,335; Yosemite National Park, $377,340.

Expenditures will be under the supervision of District Engineer C. H. Sweetser, 461 Market Street, San Francisco.

FUNDS ALLOCATED

WESTERN STATES — Funds for National Forest Highway construction in Arizona, California and Nevada have been allocated by the U. S. Bureau of Public Roads for the fiscal year ending June 30, 1935, as follows:

Arizona, $422,607; California, $1,-025,151; Nevada, $132,492.

Expenditures will be under the supervision of District Engineer C. H. Sweetser, 461 Market Street, San Francisco.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

CONTRACT AWARDED

SACRAMENTO CO., Calif. — P. F. Bender, 1012 Del Paso Blvd., Sacramento, at $3,075.90 submitted low bid and awarded contract by the Sacramento County Board of Supervisors, Court House, Sacramento, for the construction of reinforced concrete bridge on the Hack Road, located between the Upper and Lower Stockton road.

Complete bids follow:

(A) P. F. Bender, Sacramento, $3,075.90.
(B) C. R. Fiedler, Sacramento, $3,098.00.
(C) M. A. Jenkins, Sacramento, $3,272.00.
(D) Holdener Const. Co., Sacramento $3,645.50.

Unit quantities follow:

(1) 138 c.y. concrete in abutments, deck, girders, post underbents, and curbs;
(2) 3.5 c.y. concrete in railing posts, etc.;
(3) 19,600 lbs. bar reinf. steel;
(4) 150 c.y. excavation and backfill.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$14.55	$15.25	$16.00	$17.50
(2)	35.00	35.00	20.00	60.00
(3)	.0425	.04	.04	.0425
(4)	.75	.58	1.40	1.25

CONTRACT AWARDED

SACRAMENTO COUNTY, Calif.—J. R. Reeves, R. F. D. No. 3, Box 100, Sacramento, at $10,554.25 awarded low bid and awarded contract by the Sacramento County Board of Supervisors, Court House, Sacramento, for the construction of an asphalt macadam pavement on the Lower Stockton road.

Complete bids follow:

(A) J. R. Reeves, Sacramento, $10,554.25.
(B) A. Teichert & Son, Inc., Sacramento, $10,920.62.
(C) E. F. Hilliard, Sacramento, $11,198.40.
(D) McGillivray Const. Co., Sacramento, $11,278.75.

Unit quantities follow:

(1) 134,000 sq. ft. finished subgrade;
(2) 938 tons 1½-ton crushed top rock;
(3) 1072 tons road rock;
(4) 375 tons ¾-in. clean crushed rock;
(5) 254 tons clean screenings;
(6) 94 tons asphalt or asph. road oil.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .017	$ .02	$ .02	$ .018
(2)	2.45	2.40	2.35	2.75
(3)	1.80	1.86	1.85	2.00
(4)	2.45	2.40	2.50	2.75
(5)	2.70	2.75	2.35	3.00
(6)	26.00	25.50	29.75	25.00

BIDS OPENED

SACRAMENTO COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $1515.75 submitted low bid to the Sacramento County Board of Supervisors, Court House Bldg., Sacramento, for the construction of a 2-in. asphalt macadam shoulder 2½ ft. wide on the Rio Linda Road, involving:

(1) 22,500 sq. ft. finished subgrade;
(2) 158 tons 1½-in. clean crushed rock
(3) 63 tons ¾-in. clean crushed rock
(4) 43 tons clean screenings;
(5) 16 tons asphalt or asphalt road oil;

Complete bids follow:

(A) A. Teichert & Son, Inc., Sacramento, $1515.75.
(B) J. R. Reeves, Sacramento, $1,607.15.
(C) McGillivray Constr. Co., Sacramento, $1701.40.

Unit bids follow:

	(A)	(B	(C)
(1)	$ .014	$ .017	$ .02
(2)	2.75	2.90	2.95
(3)	2.75	2.90	2.95
(4)	3.00	3.25	3.15
(5)	29.00	27.75	29.00

BIDS OPENED

LOS ANGELES, Cal.—R. A. Wattson, 1026 McCadden Place, Los Angeles, at $45,021 (Proposal No. 1) and $49,424 (Proposal No. 2) submitted low bid to the Los Angeles County Board of Supervisors, August 6, for the construction of Unit No. 7, San Gabriel River Outlet at Alamitos Bay. Bids were taken as follows:

PROPOSAL NO. 1

(1) 140,000 cu. yds. excavation;
(2) 19,200 tons riprap via rail (district to pay freight);
(3) 1900 lin. ft. railroad track on top of levees.

PROPOSAL NO. 2

(1) 140,000 cu. yds. excavation;
(2) 19,200 tons riprap via truck (district to pay freight).

Bidders were:

(A) R. A. Wattson.
(B) Karl B. Kumpe, Ltd.
(C) Merritt-Chapman & Scott.
(D) Dimmitt & Tayor.
(E) Shannahan Brothers.
(F) Engineer's estimate.

PROPOSAL NO. 1

	(1)	(2)	(3)	TOTAL
(A)	$.22	$ 0.71	$ .31	$45,021.00
(B)	.245	1.50	.40	63,860.00
(C)	.27	1.60	1.76	71,864.00
(D)	.265	1.40	2.00	67,980.00
(E)	.....	.. ....	.. ....	....
(F)	.20	1.05	.40	48,920.00

PROPOSAL NO. 2

	(1)	(2)	TOTAL
(A)	$.22	$ .97	$49,424.00
(B)	.23	1.44	59,848.00
(C)	.27	1.785	72,072.00
(D)	.....	. ..	....
(E)	.28	1.60	69,920.00
(F)	.20	1.05	48,160.00

All bids held under advisement.

SAN FRANCISCO — Pipe Yard Rehabilitation — (City)

SAN FRANCISCO — M. J. Lynch, 1435 Church St., San Francisco, at $43,831.40 submitted low bid to the Department of Public Works, City Hall, for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Streets. The work involves:

(1) 2,818 l.f. recondition exit. stand. gage tracks;
(2) 213 l.f. construction of spur track
(3) electrical work, complete, lump sum;
(4a) 500 c.y. compacted subgrade macadam;
(4b) 26,222 sq. ft. 3-in. asph. concrete wearing surface;
(4c) 5,000 l.f. 3x3-in. pine headers;
(5a) 204,000 sq. ft. clean and paint exterior surface of pipe;
(5b) 200,000 sq. ft. clean interior surface of pipe;
(6a) 21,700 sq. ft. clean and paint exterior surface of specials;
(6b) 21,000 sq. ft. clean interior surface of specials;
(7) general conditioning of testing plant machinery and equipment;
(8) 1,000 l.f. construct testing racks
(9) overhead I beam, lump sum;
(10) repair of building, lump sum;
(11) removal of sheds, lump sum;
(12a) 250,000 sq. ft. grading of yard area;
(12b) 4,000 l.f. construction of yard ditches;
(13a) two construct temporary catch-basins;
(13b) 1,650 l.f. laying 10-in. cast iron pipe drain;
(13c) 350 l.f. drainage ditches;
(14) repair of cesspool, lump sum;
(15) water surf. and plumbing, lump sum;
(16) removal of debris, lump sum;
(17) work on 15-ton crane, lump sum;
(18) wrk on small crane, lump sum;
(19a) 70 MBM select Uo. 2 common Douglas fir;
(19b) 203 MBM average No. 2 do;
(19c) 38,920 l.f. base skids;
(19d) 2,000 lbs. 40 penny nails;
(19e) 600 lbs. 20 penny nails;
(19f) 500 lbs. 10 penny nails;
(20a) 1,000 l.f. rough pine fence;
(20b) 4 rough pine gates with hardware.

Total bids follow:

(A) M. J. Lynch, San Francisco, $43,831.40.
(B) Eaton & Smith, San Francisco, $44,773.90.
(C) Meyer Rosenberg, San Francisco, $45,345.30.
(D) C. L. Wold, San Francisco, $47,403.75.
(E) M. B. McGowan, Inc., San Francisco, $51,244.16.
(F) Union Paving Co., San Francisco $53,596.60.
(G) A. J. Raisch, San Francisco, $54,614.39.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$10,000.00	$8,750.00	$8,300.00	$9,125.00	$12,000.00	$8,000.00	$9,400.00
(2)	750.00	2,000.00	1,300.00	1,320.00	3,980.00	1,500.00	1,400.00
(3)	3,125.00	3,000.00	2,600.00	2,777.00	3,000.00	2,000.00	2,675.00
(4a)	1.70	2.00	2.00	1.49	2.00	4.00	2.00
(4b)	.10	.10	.10	.099	.08	.12	.12
(4c)	.10	.10	.08	.088	.07	.15	.12
(5a)	.02	.019	.03	.021	.02	.02	.12
(5b)	.01	.01	.02	.0137	.01	.01	01
(6a)	.02	.019	.03	.021	.02	.02	.02
(6b)	.01	.01	.015	.0137	.01	.01	.01
(7)	700.00	300.00	370.00	1,416.00	2,000.00	1,000.00	700.00
(8)	1.80	2.00	1.00	.94	.90	2.50	2.00
(9)	430.00	380.00	400.00	467.00	300.00	700.00	400.00
(10)	1,100.00	2,000.00	1,100.00	982.00	1,600.00	1,500.00	2,020.00
(11)	.60	200.00	75.00	110.00	300.00	100.00	120.00
(12a)	.012	.02	.01	.0115	.01	.03	.039
(12b)	.046	.10	.05	.088	.08	.10	.15
(13a)	41.00	50.00	40.00	39.00	30.00	100.00	20.00
(13b)	.60	1.50	1.39	.616	1.30	2.00	.60
(13c)	.18	.20	.10	.275	.10	.50	.20
(14)	120.00	80.00	75.00	110.00	100.00	150.00	120.00
(15)	370.00	317.00	317.00	411.00	500.00	350.00	350.00
(16)	310.00	300.00	150.00	660.00	800.00	300.00	450.00
(17)	465.00	450.00	385.00	550.00	1,000.00	500.00	500.00
(18)	2,300.00	2,500.00	3,200.00	2,589.00	3,000.00	1,000.00	2,100.00
(19a)	23.00	20.00	21.50	23.65	20.00	30.00	25.50
(19b)	.06	.02	.03	.085	.02	.03	.05
(19c)	24.00	21.00	23.50	22.55	20.00	30.00	25.50
19d)	5.00	4.00	4.50	4.35	4.00	4.00	4.25
(19e)	5.00	4.00	4.50	4.10	4.00	4.00	4.00
(19f)	5.00	4.00	4.50	3.75	4.00	4.00	4.00
(20a)	.30	.25	.25	.287	.15	.30	.40
(20b)	3.50	4.00	6.00	5.50	5.00	5.00	6.50

All bids referred to City Engineer John J. Casey.

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Building and Engineering News

IN THIS ISSUE

$500,000 Oakland School Work Planned

Amoroso & Sons Awarded Harbor Building

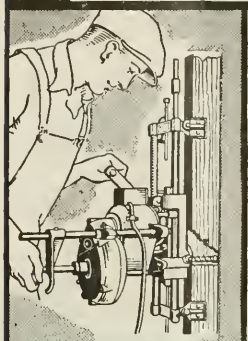
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

August 18, 1934

Vol. XVII—No. 33

WAPPAT Electric TOOLS



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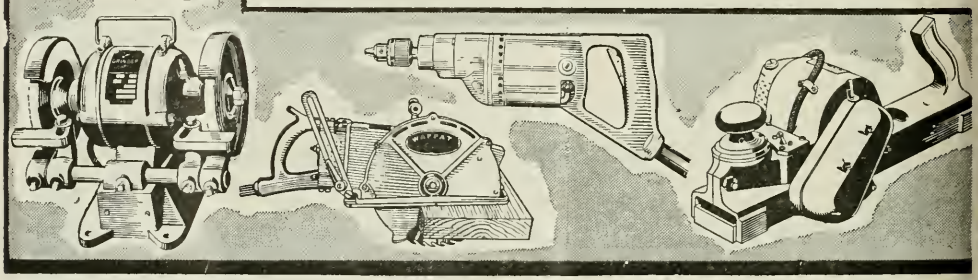

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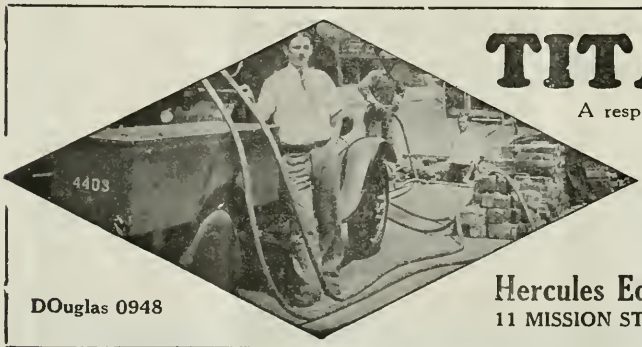

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Vol. XVII SAN FRANCISCO, CALIF., AUGUST 18, 1934 No. 33

STANDARD OIL TO ASK BIDS ON PIPELINE

Specifications Ready For Contractors This Week on 108-Mile Construction

Figures are to be asked by the Standard Oil Company this week from contractors for construction of the 108-mile pipeline which will carry oil from the Kettleman Hills wells to the submarine loading base at Estero Bay, a project which will cost approximately $4,000,000.

Plans are being completed and will be ready for contractors Thursday or Friday, according to Chief Engineer H. H. Hall.

The contract will include stringing the pipe, ditching, welding and backfilling. Twelve-inch steel pipe will be furnished by the company. It is to be removed from the existing line between Bakersfield and Richmond under a separate contract. Figures are being taken now on this contract and bids will close August 21. The work involves uncovering the pipe, cutting in 20- and 40-foot lengths, cleaning and hauling to the Kettleman Hills pipe reclamation plant, from which it will be taken for relaying.

The company also is receiving bids to close Aug. 17 for construction of tankage to store 600,000 barrels of oil at Rio Bravo, Kern county and 900,000 barrels at Estero Bay. Alternate proposals will be considered for removal of existing tanks at Pond, Kern county, and reerection at the new sites and for construction of new tanks.

Other contracts which are to be let in connection with the new pipe line at later dates are: (1) removal of twenty cottages from existing line to new line; (2) boring of water wells; (3) construction of tank foundations; (4) construction of 750,000 barrel earth resorvoir, concrete lined, at Estero Bay.

Bids on construction contracts are to be received at the office of the chief engineer, 225 Bush street, San Francisco. Bids for furnishing such additional pipe and equipment as may be purchased will be received by the purchasing agent.

REILLY LOW ON ISLAND CONTRACT

WASHINGTON, D. C., August 14.—Frank J. Reilly, 6350 Fulton Street, San Francisco, today submitted the low bid to the Treasury Department for construction of Attendants Quarters and Mess at the Quarantine Station, Angel Island. Reilly's bid was $25,980. The second low bid was that of Fred J. Early, San Francisco, at $26,050. B. A. Howkins Co., San Francisco, was third at $26,500.

Five Northern District Highway Jobs Advertised

Bids for five California state highway contracts will be received by district engineers during the next two weeks. Planing existing pavement, miscellaneous surfacing and construction of a concrete culvert are included in the various contracts.

The work is located in six counties, as follows:

Sonoma — Planing approximately 3.2 miles of existing asphalt concrete pavement between Guerneville and Sebastopol. Bids will be opened in San Francisco August 20.

Sacramento, Nevada and Butte.—Approximately 28 miles bituminous surface treatment. Bids will be opened in Marysville August 21.

Placer and Nevada. — Approximately 23.6 miles bituminous surface treatment. Bids will be opened in Marysville August 21.

Monterey—Approximately 3.1 mi. of oil treated gravel surfacing. Bids will be opened in San Luis Obispo August 21. Bids will be opened at the same time for the construction of a reinforced concrete arch culvert at McWay Canyon.

HARBOR BUILDING CONTRACT LET TO AMOROSO & SONS

Eleven Contractors Submit Bids On Waterfront Work; $68,487 Is Low

The State Board of Harbor Commissioners Thursday awarded the contract for construction of a bulkhead building on the San Francisco waterfront to F. C. Amoroso and Sons, low bidder. Amount of the contract is $68,487.

The building, to be located on the waterfront between piers 38 and 40, will be of the two-story steel frame type, with timber wall, stucco front, and tar and gravel roof. Although the building is to be erected over the existing pile foundation and concrete deck, construction will necessitate some additional piling, and this work is included in the present contract.

Bids on the work were submitted by eleven contractors in amounts ranging from $68,487 to $83,000.

Bids were submitted as follows:

F. C. Amoroso & Sons	$68,487
Dinwiddie Const. Co.	70,500
Anderson & Ringrose	70,744
N. H. Sjoberg & Son	71,974
Frank J. Reilly	73,831
A. Nelson, Inc.	75,377
Stoneson Brothers	76,966
MacDonald & Kahn	76,967
Empire Const. Co., Ltd.	78,400
M. B. McGowan	79,987
James L. McLaughlin	83,000

Halterman Low On Kings County Bridge Contract

SACRAMENTO, Aug. 15.—J. W. Halterman, Willows, submitted the low bid to the State Highway Commission today at $21,208 for construction of a reinforced concrete culvert and bridge and widening an existing concrete bridge in Kings county.

NEAR COMPLETION OF GATE BRIDGE PIER PROTECTION

Fender Base Will Be Closed This Week; Prepare To Sink Caisson

Closing of the south pier fender base of the Golden Gate Bridge 1100 feet off Fort Point complete one of the most difficult foundation jobs ever attempted.

According to the report of Chief Engineer Joseph B. Strauss, filed yesterday with General Manager James Reed, the work of pouring concrete for the three base units that will complete the fender ring, is moving forward with great speed and so certain is the bridge engineering staff of the completion of the fender and the pier, which it will surround, by December 1st that orders have been issued to the McClintic-Marshall Corporation to resume the manufacture and assembly of steel units for the San Francisco tower in order to be in readiness to commence their erection early in December.

With the final three base units of the fender nearing completion, the steel working trestle now extends over 19 units. Almost 100,000 tons of concrete have been poured on the fender to date and operations are progressing at the rate of 85 cubic yards of concrete per hour, the pouring continuing over a 24-hour period

General Manager Reed stated yesterday that it is expected the caisson for the south pier, now completed and moored in Oakland estuary, will be floated into place within a week or ten days, marking the beginning of actual construction of the pier.

Meanwhile, the Presidio approach structures are taking form and are occasioning considerable comment by motorists using the Presidio highway. The concrete portion of the west end of the high viaduct is complete and the contractors preparing to start work on the piers for the east end.

During the past week an average of 1,000 men were employed on the various parts of the Golden Gate Bridge job in the bay area, the number actually working in the field being increased through the start of application of the second field coat of paint on the Marin tower.

ARCHITECTS WIN LICENSE PROTEST

Architects in San Francisco will not be charged a license fee by the City and County of San Francisco, Chief Deputy City Attorney W. A. Dold, ruled yesterday in response to a request by W. H. Toepke, chairman of the State Association of California Architects.

Dold based his ruling on the decision in the Henderson case which stated that a license fee levied by the City and County of San Francisco upon attorneys was not collectable and was void for the reason that under the charter no license tax for the purpose of raising revenue can be imposed and that a license tax assessed against an attorney-at-law was in the nature of a revenue raising assessment.

This ruling will apply to architects as well as to attorneys, declared Dold in answering the question of Toepke. The case in behalf of the architects was pressed by A. L. Bolton, representative of the State Board of Architectural Examiners.

Treasury Taking Bids On Offices In Three Cities

Bids for the construction of three California post offices, to cost approximately $175,000, will be opened during the coming month, according to present plans of the Treasury Department. The buildings will be located in Roseville, Colton, and San Fernando.

Bids on the Roseville post office contract will be opened in Washington August 22. An appropriation of $45,000 has been made for the building, which is to be of steel frame with concrete walls, stucco exterior, tile coping and composition roof. Plans include a steam heating system for the building.

The Treasury Department will open bids September 5 for the construction of the Colton post office, for which $57,200 has been appropriated. Announcement is also made that the date for opening bids on the San Fernando post office, largest of the three projects, has been scheduled for September 14. The amount of the appropriation for the San Fernando building is $72,600.

Construction of the three post offices is a part of the $110,000,000 building program of the Treasury Department.

FURNACE CODE DEPOSITORIES ARE OPENED

Administration of Bid Regulations From Oakland Headquarters Authorized

Bid depositories in six principal cities of central California have been established by the Furnace Dealers and Sheet Metal Contractors, effective August 1, according to H. O. Lothrop, secretary.

Mr. Lothrop has offices at 1700 Broadway, Oakland, from which the code of the division will be administered in all counties north of the Tehachapi, except San Francisco. Contractors on any job amounting to $25 or more are required to file duplicate copies of the bid figures with the local depository twenty four hours prior to the opening of bids.

For Alameda county the bid depository is located at 1700 Broadway. Other depositories already functioning are at the Building Industries Association, Burlingame, in charge of Roscoe F. Byrnes; Builders' Exchange, Bakersfield, D. J. Turner, registrar; Builders' Exchange, Fresno, Harry H. Cayford, registrar; Builders' Exchange, Stockton, Frank A. Kent, registrar; Builders' Exchange, Sacramento.

Bids August 29 On Four Nevada Highway Contracts

Bids will be opened in Carson City August 29 by the Nevada State Highway Directors on four contracts involving highway construction and surfacing in Nye, Lyon, Elko and Ormsby counties.

The four projects on which bids are being received are located as follows:

Nye County: 16.61 miles of road construction, Route 29, Section A, between the California state line and the junction with Route 5.

Lyon County: 3.44 miles of road construction Route 17, Section A, between Silver City and two miles east of Moundhouse.

Elko County: 0.57 miles of road construction, including paving, Rte. 1, Section A3 and B, in the city of Elko.

Ormsby County: 1.78 miles asphaltic roadmix surfacing, between Stewart Indian School and junction with Route 3 south of Carson City.

$500,000 Reconstruction of Schools Planned This Year By Oakland Board

Approximately $500,000 will be available for school reconstruction work in the city of Oakland during the current fiscal year, according to Don B. Rice, business manager for the school department. The school board will forward plans for quakeproofing the school buildings to Sacramento for approval of the Division of Architecture as rapidly as they can be completed by a staff working under Architect W G. Corlett, consulting architect and engineer.

The alterations decided upon will be undertaken both by contract and by the school department's own forces.

Thirteen units in the Oakland school plant have been abandoned for temporary classroom quarters until recommended strengthening can be completed. The temporary buildings are being erected under contracts aggregating $100,000 and will be in use when the fall school term starts. It is planned now to repair the buildings which have been closed, where the work is regarded as immediately necessary. The temporary quarters which the district is now building will be shifted to other sites when the structures they replace have been re-opened.

Schools which have been closed on advice of the State Division of Architecture are:

HIGH SCHOOLS

Roosevelt, Nineteenth Ave. and East Nnieteenth Street; 40-room brick academic unit.

McClymonds, 26th and Myrtle Sts.; 35-room brick academic unit, library, home economics division and assembly hall.

ELEMENTARY SCHOOLS

McFeeley, Fifth and Peralta Sts, six-room brick and tile.

Cole, Tenth and Union Streets, 24-room brick and tile.

Crocker Highlands, Longridge and Sunnyhills road, 5 room tile.

Maxwell Park, Monticello and Fleming Avenues, 5-room tie.

Webster, Eighty-first avenue and Olive street, two-story, brick and tie, 14 rooms.

Stonehurst, One Hundred Third avenue and Biggereau street, two-story brick and tile, 6 rooms.

Toler Heights, Thermal avenue and Scott street, 4-room brick and tile.

John Swett, Tompkins avenue and Buell street, 4-room brick and tile.

Chas. Burckhalter, 3956 Burckhalter, 4-room brick and tile

Montclair, Thorn Road and Mountain Boulevard, 4 room brick and tile.

Sequoia, Lincoln Ave. and Scenic St., 12-room brick and tile.

New orders for oil burners during the month of June, 1934, numbered 32,117, as compared with 24,306 in June, 1933, according to figures supplied by the Department of Commerce, Bureau of the Census. Shipments of oil burners registered a similar increase.

Pacific States Lag As U. S. Recovery In Building Starts

The Pacific group of states was the only region failing to show improvement either in total building permits issued in July compared with July a year ago or with June this year, according to statistics compiled by Dun and Bradstreet, Inc.

Increases in expenditures for new work and alterations during July as compared with June were visible in the New England, Middle Atlantic, East Central, South Central, West Central, and Mountain groups while declines were recorded only in the South Atlantic and Pacific regions. Contrasted with the like month a year ago, the July figures also make a very favorable comparison, only two groups, the West Central and Pacific failing to show improvement.

The estimated cost of permits issued in 215 cities of the United States amounted to $34,840,879 during July, compared with $28,621,565 in June, and $29,484,891 in July a year ago. This represented an increase of 21.7 per cent over the June total, whereas the usual seasonal movement from June to July is a decline of about 10.5 per cent. Compared with July, 1933, the gain was 18.2 per cent.

The group totals of building expenditures for the 215 cities for July of this year and last, are shown in the following table:

	July 1934	July 1933	Change %
New Eng.	$5,327,137	$2,165,348	+146.0
Mid. Atl.	12,365,063	8,424,357	+ 46.8
So. Atl.	3,043,295	2,244,601	+ 35.6
East Centl.	5,111,437	3,248,077	+ 57.4
So. Centl.	2,969,697	2,725,412	+ 9.0
W'st Centl.	1,693,936	5,134,526	— 67.0
Mtn.	948,738	343,598	+176.1
Pacific	3,381,576	5,198,972	— 35.0
T'tl U. S.	$34,840,879	$29,484,891	+ 18.2
N. Y. City	$ 7,908,885	$ 4,512,238	+ 75.3
Outside N. Y. City	$26,931,994	$24 972,653	+ 7.8

UTILITIES BOARD AWARDS $300,000 PWA CONTRACTS

Bids For Reconstruction of Tracks on Market Street Open Sept. 5

Contracts aggregating $300,000 were awarded by the San Francisco Public Utilities Commission yesterday. The commission also issued a call for bids on reconstruction of the Municipal Railway tracks on Market street between Geary and Sutter street intersections. Figures will be received September 5.

The largest contract let yesterday was that to Barrett and Hilp, amounting to $174,392 for construction of timber trestles to carry Bay Crossing Pipe Line No. 2 across tidelands in Alameda and San Mateo counties.

Other awards were to Lowrie Paving Co., at $37,331 for laying water mains in the area between Eighth and Twenty-fifth avenues and between Fulton St. and Lake St.; and to the same contractor at $33,972 for laying mains between Eghert St. and Sunnydale Ave. and between Elliot St. and Griffith Ave., to Sibley Grading and Teaming Co., Ltd., at $53,503 for laying the University Mound pipe line extension on Potrero Avenue from Twenty-fifth to Brannan streets.

All contracts are included in the PWA program of the Water Department.

CODE RULING MADE FOR HOUSE MOVING

The National Recovery Administration has ruled in the case of the Robert M. Anthony Co., Stamford, Conn., that the moving of buildings, where the transportation is by vehicles upon used highways, subjects the moving concern to provisions of the trucking code, inasmuch as such work constitutes a "for hire" trucking operation.

The moving of buildings from one lot to an adjacent site, or the movement of buildings by other than vehicles (by rollers, jacks, etc.) and the shoring of buildings and erection of stacks, the Administration ruled, subjects a concern to the construction code.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
381	Antonioli	Antonioli	4500
382	McAfee	McAfee	2500
383	Moore	Meinberger	2000
384	Recreation	—	6000
385	Olympic	Lindgren	199827
386	Ten Eighty	Royal	1475
387	Cereal	Forbes	15000

DWELLING
(381) SW MARINA BLVD. 272 N Beach St. Two-story and basement frame dwelling.
Owner—Frank Antonioli, 2230 Francisco St., San Francisco.
Architect—Not Given.
Contractor — Frank Antonioli, 2230 Francisco St., S. F. $4500

DWELLING
(382) E MANCHESTER ST. 50 N Stoneman St. One-story and basement frame dwelling.
Owner—R. A. McAfee, 125 Cerventes Blvd., San Francisco.
Architect—Not Given.
Contractor—R. A. McAfee, 125 Cervantes Blvd., S. F. $2500

ALTERATIONS
(383) NO. 840 MARKET ST. Alter store.
Owner—Moore, Ltd., 840 Market St., San Francisco.
Architect—Bliss & Fairweather, 1001 Balboa Bldg., San Francisco.
Contractor—H. S. Meinberger, 343 4th Ave., San Francisco. $2000

FIELDHOUSE
(384) W THIRTY-EIGHTH AVE. 375 N Fulton St. One-story frame playground fieldhouse.
Owner—Recreation Commission, Rm. 370, City Hall.
Architect — William Gladstone Merchant Recreation Commission.
Contractor—None as yet. $6000

ALTERATIONS
(385) NO. 524 POST S. Alter club.
Owner—Olympic Club. Premises.
Architect—D. D. Stone, 110 Sutter St. and Bakewell, Brown & Bauer, 251 Kearny St., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Contractor — Lindgren & Swinerton, 225 Bush St., S. F. $199,827

ALTERATIONS
(386) NO. 1080 MARKET ST. Alter restaurant.
Owner — Ten Eighty Market, Inc., Premises.
Architect—Not Given.
Contractor—Royal Showcase Co., 770 Market St., S. F $1475

WAREHOUSE
(387) N GROVE 83 W Buchanan. Class C warehouse.
Owner — Cereal Products Refining Corp., 763 Fulton St., S. F.
Engineer—H. H. Soult, 17th & Wisconsin Sts., San Francisco.
Contractor—R. J. H. Forbes, 1067 Monadnock Bldg. $15,000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
327	Oakland	Meyer	29484
328	Berkeley	Netherby	5000
329	Fox	Owner	$5000
330	Athens	Sheridan	4900
331	General	Owner	4000
332	General	Owner	6000
333	McClure	Parks	1000
334	Stokeley	Austin	14900
335	Pearce	Owner	1000

SCHOOL BLDGS.
(327) NW COR. 19th AVE. and East 19th St., **OAKLAND** (Roosevelt School); one-story 1-room classrooms (25); 1-story sanitary bldgs. (2).
Owner—Oakland School Dist., 1025 2nd Ave., Oakland.
Architect—W. G. Corlett, 1025 Second Ave., Oakland.
Contractor—Meyer Const. Co., 735 Portola Drive, San Francisco.
$1092 each

DWELLING
(328) NO. 495 CRAGMONT AVE., **BERKELEY.** Two-story 6-room frame dwelling and garage.
Owner—Berkeley Hillside Properttes Co., San Francisco
Architect—Not Given.
Contractor—W. A. Netherby, 3853 Lyman Road. Oakland $5000

DWELLING
(329) 38 BLACHFORD, COURT, **OAKLAND;** one-story 6-room dwelling.
Owner and Builder—Geo. H. Fox, 3906 Fruitvale Ave., Oakland.
Architect—Not Given. $5000

ALTERATIONS
(330) NW TWELFTH AND CLAY, **OAKLAND.** Alterations.
Owner—Athens Athletic Club, Prem.
Architect—J. J. Donovan, Berkeley.
Contractor—R. E. Sheridan, 731 Oakland Ave., Oakland. $4900

LIFT BLDG.
(331) NO. 1201 GROVE ST., **BERKELEY.** One-story lift building.
Owner—General Petroleum Co., Parr Terminal, Oakland.
Architect—H. M. Rossell, Parr Terminal, Oakland. $4000

STATION
(332) NO. 1203 GROVE ST., **BERKELEY.** One-story service station.
Owner—General Petroleum Co., Parr Terminal, Oakland.
Architect—H. M. Rossell, Parr Terminal, Oakland. $6000

ADDITION
(330) 265 PERRY ST., **BERKELEY;** addition.
Owner—Dr. Geo. McClure, premises.
Architect—Not Given.
Contractor—R. T. Parks, 1046 Peralta Ave., Berkeley. $1,000

WAREHOUSE
(334) 1214 57th AVE., **OAKLAND;** 1-story warehouse.
Owner—Stokeley Brothers & Co., 1154 57th Ave., Oakland.
Architect—Not Given.
Contractor—The Austin Co. of California, 720 Ray Bldg., Oakland.
$14,900

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
77	Bulotti	Polidoro	637

ALTERATIONS
(77) NW VALLEJO AND POWELL Sts. All work for alterations in both elevations from present wood work to cement plaster.
Owner— Beatrice Bulotti.
Architect—Not Given.
Contractor—L. Polidoro & Co., 780 Vallejo St., San Francisco.
Filed Aug. 13, '34. Dated Aug. 13, '34.
When scratch coat is on.....318.50
When completed 159.25
Usual 35 days..... 159.25
TOTAL COST, $637.00
Bond, none. Limit, 30 working days.
Forfeit, plans and specifications none.

SAN FRANCISCO UNDER $1000

SIGN, electric, $125; 1535 Folsom St.; owner, Hyde Inn, Prem.; contractor, Neon Sign Service Co., 1707 Folsom St.

ALTER kindergarten, $176; 2536 Francisco St.; owner, C. Steinman, Premises; contractor, Bernhardt & Cowen, 924 Taraval St.

ALTER dwelling, $260; 2448 Clay St.; owner, L. Rey, Premises; contractor, F. H. Scott, 1559 Ellis.

ALTER store, $400; 441 Post Street; owner, G. T. Marsh Co., 400 Post St.

FLUES (2) patent, $80; 69 5th Ave.; owner, Dr. J. C. Parrott, Prem.; contractor, Lowell Davison, 374 Onondaga Ave.

STORE room, $150; 2340 Judah St., (rear); owner, Mrs. J. E. Coyle, 2340 Judah St.

SIGN, electric, $100; 3251 Fillmore; owner, Marine Tavern, Premises; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $100; 426 Powell St.; owner, Yarns & Hoisery, Prem.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $125; 3633 Broderick St.; owner, Leon A. Menich, 3633 Broderick St.; contractor, Neon Sign Service Co., 1707 Folsom.

ALTER dwelling, $350; 154 Lawrence St.; owner, L. Jepson, Premises.

ALTER store, $400; 1025 Ocean Ave.; owner, M. Porazzo, 1025 Ocean.

ALTER stores and flats, $675; NE Fillmore and Sacramento Sts.

SIGN, electric, $425; 3117 16th St.; owner, Roxie Theatre, Premises; contractor, Wonderlite Neon, 170 Otis St.

SIGN, hoard, $35; 1169 Market St.; owner, Holtz Bros., Prem.; contractor, Skolmen Co.

ALTER store, $450; 792 Sacramento; owner, A. P. Giannini, 625 Market St.; contractor, Langfeldreer & Schuster, 280 Wawona St.

SIGN, electric, $100; 893 Mission St.; owner, Kelley's Tavern, 893 Mission St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $100; 1631 Ocean Ave. owner, Blue Ribbon Bakery, 1631 Ocean Ave.; contractor, Q R S Neon, 690 Potrero Ave.

ALTER malting building, $335; S Francisco, between Powell and Mason Sts.; owner, Bauer Schweitzer Hop & Malt Co., 660 Sacramento St.; contractor, Michel & Pfeffer Iron Works, 10th and Harrison Sts.; owner, Joint Pole Association, 26 O'Farrell St.

ALTER service station, $300; SE Alemany and Bayshore Blvds.; owner, M. Thero; contractor, B. Ratto, San Bruno Feed & Fuel Company.

REPAIR fire damage to flats, $400; 1541 Fulton St.; owner, S. H. Burgis, Premises; contractor, Irs W. Coburn, 2048 Market St.

ALTER dwelling, $250; 88 West Clay Park; owner, Y. E. French, 88 West Clay Park.

SIGN, electric, $100; 450 Geary St.; owner, Ashley & Duffin, 450 Geary St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

August 10, 1934

Contract Awarded.
APARTMENTS Cost, $5000
SUISUN, Solano Co., Cal.
One-story three-unit frame and stucco apartment (stucco exterior, shingle roof, gas floor furnaces; each unit will have two rooms and bath).
Owner — Miss M. Ethel Goodfellew, Fairfield.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.

4 — FACTORIES & WAREHOUSES

Plans Being Prepared.
PRINTING PLANT Cost, $—
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
Three-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth St., San Francisco.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Plans will be completed in about two weeks. Owner will take bids.

CONTRACT AWARDED
VENTURA COUNTY, Cal.—Rainey & MacIsaac, 2100 E. 25th St., Los Angeles, submitted the low bid and were awarded a contract at $42,987 for the construction of the first unit of a packing plant one and one-half miles east of Montalvo, Ventura County, for the Saticoy Lemon Assn.; Albert J. Thille, president. Construction will be started this week. The general contract does not include the plumbing, electrical work, painting or steam heating. Roy C. Wilson, architect, Say Road, Santa Paula. The building will have a reinforced concrete basement, reinforced concrete and tile side walls, sawtooth type roof construction with wood trusses and steel purlins, maple flooring, mechanical ventilation, composition roofing, steel sash, low pressure steam boilers, etc.

TO REBUILD
AMADOR COUNTY, Cal.—Rebuilding a sawmill near Cooks Station on Jackson-Alpine highway, recently destroyed by fire is contemplated by C. A. Berry of the firm of Berry & Sons. Loss to plant and equipment in fire was estimated at $50,000.

Contract Awarded
WINERY Cost, $10,000
CALISTOGA, Napa Co., Calif.
Alterations to existing building and addition of storage and fermenting room, frame and plaster with redwood bark insulation.
Owner—Napa Valley Cooperative Winery, Calistoga (Fred S. Grange, Secretary).
Private Plans.
Contractor—W. W. Williamson, 320 Market St., San Francisco.
General contractor will let sub-contracts on plastering and wiring.

Bids In—Under Advisement
FACTORY Cost, $4500
SAN FRANCISCO. Seventeenth and Folsom Streets.
Alterations to cleaning plant, including steel beams and columns, concrete footings, office alterations electrical, plumbing, etc.
Owner—J. Allec Parisian Dyeing and Cleaning Works, Inc., 1360 Mission Street.
Architect—G. M. Grimes and Albert R. Williams, 251 Post Street.
Bids have been referred to owner and award will probably be announced August 20.

Brickwork Contract Awarded
WAREHOUSE Cost, $30,000
MANTECA, San Joaquin Co., Calif.
One - story brick and structural steel warehouse (60x130 ft.) wood roof.
Owner—Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Brickwork—John Pengelly, 1436 East Worth St., Stockton.
As previously reported, structural steel awarded to Judson-Pacific Co.; steel sash and reinforcing steel to Soule Steel Co.

Roofing Contract Awarded
ALTERATIONS Cost, $30,000
SPRECKELS, Monterey Co., Calif.
Alterations and additions to refinery (add one story of brick, concrete, and structural steel construction).
Owner—Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
As previously reported, structural steel awarded to Judson-Pacific Co.

Additional Sub-Contracts Awarded.
WAREHOUSE Cost, $25,000
SAN FRANCISCO. Bryant and Langton Streets.
One-story frame warehouse.
Owner—Edward J. Neil.
Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Tiletex Flooring—Malott & Peterson, 20th and Harrison Sts., S. F.
Acoustical — Wayland Co., Ltd., 675 Townsend St., San Francisco.
Hollow Metal Door — Price Building Specialties Co., 683 Howard St., San Francisco.
Glass — Hahcnicht & Howlett, 529 Clay St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Painting—J. H. Devert, Inc., 912 Harrison St., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $15,000
OAKLAND, Alameda Co., Cal. No. 1214 Fifty-seventh Avenue.
One-story wood frame warehouse, wood roof, corrugated sheet metal siding, brick front.
Owner — Stokeley Bros. & Co., 1154 57th Ave., Oakland.
Plans by The Austin Co. of Calif., 720 Ray Bldg., Oakland.
Contractor—The Austin Co. of Calif., 720 Ray Bldg., Oakland.
General contractor will do all principal portions of work. Construction will start shortly.

6—GARAGES & SERVICE

Plans Completed.
SERVICE STATION Cost, $10,000
BERKELEY, Alameda Co., Cal. No. 1201-1203 Grove St., (between Yolo and Hopkins Sts.)
Super-service station, Spanish style architecture, brick, tile roof, steel sash.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Permit for station has been granted by city council. Plans will be issued to contractors in about three weeks.

7—FEDERAL BUILDING

August 10, 1934

BIDS WANTED
FORT LEWIS, Wash. — Until August 28, 11 A. M., bids will be received by the Constructing Quartermaster, Fort Lewis, for construction of a pipe organ in the chapel at Fort Lewis. Specifications obtainable from Constructing Quartermaster, Lieut. Clifford Smith, Fort Lewis, on deposit of $5.

Bids Wanted—To Close Sept. 14.
POST OFFICE Cost, $72,600
SAN FERNANDO, Los Angeles Co., Cal. Celis St. and Maclay Ave.
Construction of one-story post office building.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect.
Bids will be received in Washington, D. C., Sept. 14. Plans and specifications available from Treasury Department, Public Works Branch, Director of Procurement W. E. Reynolds. Further details will be published shortly.

CONTRACT AWARDED
SAN DIEGO, Cal.—Olmstead Bldg. Co., 1847 Hancock St., San Diego, was awarded a contract by the Treasury Department, August 10, at $15,495, for construction of senior medical quarters at the U. S. quarantine station in San Diego. The building will be a two-story wood frame structure with siding exterior, wood shingle roof, low pressure, one-pipe steam heating system, etc.

MATERIALS APPROVED
SAN FRANCISCO. — Treasury Department, Public Works Branch, has approved materials and equipment for use in Federal Office Building, San Francisco, as follows: Fire alarm equipment, American District Telegraph Co.; watchman's time recording equipment, American District Telegraph Co.; power panels, Powerlite Switchboard Co.; blow - off valves, Everlasting Valve Co.; pneumatic tube system, Lamson Company.

Great Lakes Const. Co., 33 N. Michigan Ave., Chicago, general contractors.

CONTRACT AWARDED

VISALIA, Tulare Co., Calif.—Hough Shade Corp. at $510.80 has been awarded the contract by Post Office Department for furnishing 46 wood slat shades for the Visalia post office under Proposal 157, opened July 18.

CONTRACT AWARDED

MENLO PARK, San Mateo Co., Cal. —Fedearl Equipment Co. at $349 has been awarded contract by the Post Office Department for furnishing furniture for the Menlo Park post office under Proposal 144, opened July 11.

Low Bidders

QUARTERS Cost, $30,000

SAN FRANCISCO. Quarantine Station, Angel Island.

Single attendants' quarters and mess (two-story frame, Colonial type; 55x30-ft. with wing 30x19); shingle roof, concrete foundation, asphalt paving in yard, plumbing, heating and electrical.

Owner—U. S. Government (Treasury Department).

Plans by Supervising Architect, Treasury Department.

Low Bidder—Frank J. Reilly, 6350 Fulton St., San Francisco, $25,980 .

Second and third low bids were submitted by Fred J. Early, San Francisco, at $26,050 and B. A. Howkins, San Francisco, at $26,500.

Complete bids will be published shortly.

COMPLETE BIDS

WINSLOW, Arizona.—Olds Brothers Lumber Co., 300 Kinsley Ave., Winslow, at $41,137 submitted low bid to Treasury Department, Washington, D. C., for construction of the U. S. post office at Winslow, as previously reported.

Complete bids follow:

Olds Bros. Lbr. Co., Winslow	$41,137
Robt. E. McKee, Los Angeles	44,300
William MacDonald Const. Co., St. Louis, Mo.	47,623
Murch Brothers Const. Co., St. Louis, Mo.	48,369
Walter Peterson, Omaha	49,800
Davis - Williamson Co., Muskogee, Okla.	55,139
Del E. Webb, Phoenix	56,350

CONTRACT AWARDED

NOGALES, Ariz.—Robert E. McKee, 108 W. Sixth St., Los Angeles, at $118-400 awarded contract by the Treasury Department for construction of the U. S. immigration station at Nogales.

CONTRACT AWARDED

POMONA, Los Angeles Co., Calif.—Wm. Gelfan, 646 S. La Brea Ave., Los Angeles, at $1473 awarded contract by Treasury Department for painting the plaster in the post office at Pomona.

BIDS WANTED

SAN FRANCISCO.—Until August 21, 11 A. M., bids will be received by the Public Works Officer, Twelfth Naval District, Room 518, 100 Harrison St., San Francisco, for installing wood and glass partitions in the District Staff Headquarters, San Francisco, under Specification 7774.

Specifications obtainable on application to the Commandant, 100 Harrison St. on deposit of $5.00.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —Fred J. Early, Jr., 369 Pine St., San Francisco, at $6774 submitted low bid to the Constructing Quartermaster for construction of boat house and decking at Hamilton Field.

Bidders follow:

(A) Fred J. Early, San Francisco.
(B) Thomas J. Doyle, San Francisco.
(C) Ben Gerwick, San Francisco.
(D) Bundesen & Lauritzen, Pittsburg.

The items were:
(I) work complete;
(II) add or omit piling and decking;
(III-a) wood pile per l.f.;
(b) structural timber, per M.;
(c) rough hardware., per lb.;
(d) asbestos shingle, per 100 s.f.;
(e) stucco per, sq. yd.;
(f) concrete, per c.y.;
(g) reinforcing steel, per ton;
(h) brass pipe, 3-in., per l.f.;
(i) brass pipe, 2-in., per l.f.

The unit prices follow:

	(A)	(B)	(C)	(D)
(I)	$6774.00	$7477.00	$7617.00	$8100.00
(II)	185.00	285.00	220.00	250.00
(IIIa)	.90	1.75	1.00	1.56
(b)	88.00	100.00	100.00	107.00
(c)	.15	.15	.10	.15
(d)	20.00	25.00	20.00	25.00
(e)	1.25	1.40	2.00	1.75
(f)	15.00	20.00	25.00	20.00
(g)	80.00	120.00	120.00	120.00
(h)	2.20	2.25	2.50	2.25
(i)	1.10	1.15	1.50	1.40

LOW BIDDER

PEARL HARBOR, T. H.—Wellman Engineering Co., 7005 Central Avenue, Cleveland, Ohio, at $68,500 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 7641, for the re-erection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor.

Complete bids will be published shortly.

8— CLUB BUILDINGS

Completing Plans

CLUB Cost, $12,000

OAKLAND, Alameda Co., Calif. Forty-eighth St. and Shattuck Ave.

One-story frame and stucco club building (100x200) part mezzanine, including auditorium (57x75-ft.) and stage, bowling alley, handball court, gymnasium.

Owner—Ligure Hall Assn. (J. B Ginochio, Pres., 676 45th St., Oakland; Jos. Brignole, 4919 Telegraph Ave., Oakland, Secretary).

Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.

Plans will be completed in about one week. Owner will take bids.

Sub-Contracts Awarded

CLUB Cost, $5000

OAKLAND, Alameda Co., Calif. Clay and Twelfth Streets.

Alterations to second floor of Athens Athletic Club (installing bar and cocktail room).

Owner—Athens Athletic Club.

Architect—J. J. Donovan, 950 Parker St., Berkeley.

Contractor—R. E. Sheridan, 731 Oakland Ave., Oakland.

Sub-contracts have been let as follows:

Plastering—Wm. Makin, 2141 Livingston St., Oakland.

Plumbing—Frank A. Gottstein, 226 8th St., Oakland.

Heating & Ventilating—W. H. Picard, Inc., 5656 College Ave., Oakland.

Travertite—Oakland Concrete & Terrazzo Co., 2227 Market St., Oakland.

Millwork—Mullen Manufacturing Co., 60-80 Rausch St., San Francisco.

Electric — Pacific Electric Motor Co., Tenth and Oak Sts., Oakland.

Sinks — Dohrmann Hotel Supply Co., 301 Butler Bldg., San Francisco.

Beer Equipment—Ruud Heater Co., 665 Howard St., San Francisco.

9— HOSPITALS

Bids Wanted—To Close September 4, 10 A. M.

HOSPITAL Cost, $——

YREKA, Siskiyou Co., Cal.

Remodeling warehouse and kitchen for new ward at old County Hospital and constructing fire escape.

Owner — County of Siskiyou (W. J. Neillson, Clerk of the Board of Supervisors).

Bids will be received on separate contracts for (1) Remodeling; (2) constructing fire escape. Specifications obtainable on application to County Surveyor, Yreka.

Plans Being Completed

HOSPITAL Cost, $615,000

SAN FRANCISCO. Potrero Ave. and Twenty-second Street.

Six-story cancer building and 5-story psychopathic hospital (Class A construction).

Owner—City and County of San Francisco.

Architect—Martin J. Rist, Phelan Building.

Plans probably will be submitted to the Department of Public Works this week for approval. Advertisement for bids within two weeks is expected.

Bids Wanted—To Close Sept. 4, 2 P.M.

ADDITIONS Cost, $6000

MARYSVILLE, Yuba Co., Cal. Fourteenth and J Streets.

Refinishing & improvements to bldgs. for new men's ward and new isolation ward (brick walls, cement and plaster exterior, alterations & additions to heating plant).

Owner—Yuba County (F. W. Loehne, chairman of the Board).

Architect—Charles Dean, California State Life Bldg., Sacramento.

Specifications and proposal form obtainable from the office of the Architect on deposit of $15.

Planned.

HOSPITAL Cost, $30,000

MERCED COUNTY, Cal.

Isolation ward for Merced County Hospital.

Owner—County of Merced.

Board of Supervisors will apply to the State Board of Equalization for authority to increase the tax rate for the current fiscal year sufficiently to finance proposed building to be erected at county hospital site.

BIDS OPENED

LOS ANGELES, Calif.—Person and Thiele, 6206 San Vicente Blvd., submitted the low bid to the Los Angeles county supervisors August 13, at $156,700, for constructing three one-story units and connecting arcades for blocks C, D and E, Los Angeles County Farm, Rancho Los Amigos. The work will include extensions to steam lines, water lines, sewer lines anl electric services and circuits. Buildings will be reinforced concrete structures with tile and composition roofing, metal skylights, tile and cement floors, plate glass, linoleum, wrought iron ,steel double-hung and casement windows, marble toilet partitions, marble thresholds, hollow metal doors, metal lath, ventilating system, metal frames and screens, etc. Plans were prepared by Wm. Davidson county mechanical engineer, Hall of Records. Person & Thiele submitted names of the following sub-contractors with their general bid: Progressive Ornamental Iron Works, miscellaneous iron and steel; Forderer Cornice Works, hollow metal doors and frames; W. C. Lea, steel windows and sash; Metal Frame Screen Co., metal frame screens; Philip Friedman, trussed steel joists; A. O. Miller, water-

proofing; Thompson Glass Co., glass and glazing; Emil Brown & Co., sheet metal; Carroll Duncan, lathing and plastering; Berger-Eldridge, tile; Long Beach Marble & Tile Co., marble; New Deal Decorators, painting; Johnston & Washer, plumbing; Allen Black & Son, steam heating; J. Herman Co., ventilating; Johnston & Washer steam water and sewer connections; Quality Electric Co., electric fixtures; W. E. Cooper, linoleum and rubber base; Lyon Metal Products Co., metal equipment; Berger Mfg. Co., lockers; Lyon Metal Products, shelving ;Dohrmann Hotel Supply Co., kitchen equipment; Swem the Shade Man, roller curtains; California Fireproof Door Co., metal covered doors; Hamilton Mfg. Co. and Albatross Steel Equipment Co., metal equipment; Hipolito, wood screens; Morrow Roof Co., tile and composition roofing. The bids follow:

Person and Thiele, $156,700; (1) if acoustic tile is ued in place of putty coat, add $3620; (2) if copper-bearing steel pipe is used in place of wrought iron and Toncan, deduct $765.

Herbert M. Baruch Corp., $162,607; (1) $3500; (2) $800.

H. A. Nichols, $165,990; (1) $3551; (2) $700.

Marco Matick, $169,980; (1) $2785; (2) $700.

12— POWER PLANTS

Bids Wanted—To Close Sept. 4, 1:30 P. M.

POWER HOUSE Cost, $——
PULLMAN, Wash. Campus of State College.
Power house building (60x100) reinforced concrete to boiler room floor, steel frame and brick wall above, concrete slab roof & stack. Bids on contract for equipment will be called at a later date.
Owner—State of Washington, State College Board of Regents.
Architect—Stanley Smith, Pullman.

An appropriation of $260,000 from Federal PWA funds is available for power house and mechanical equipment for power plant. Drawings and specifications available from architect on deposit of $25. Plans will not be issued after August 25.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTEMPLATED

SANTA CRUZ, Cal. — Mayor Roy Hammond recommends study of new city hall and city jail project to cost approximately $50,000. Financing through use of surplus funds of the municipal water department is suggested.

ELECTION PLANNED

CARMEL, Monterey Co., Cal.—A second election may be called by the Carmel City Council to vote a proposed bond issue of $50,000 for construction of a new city hall. A PWA grant of thirty per cent of labor and material has been authorized, according to word received by the City Council. The bonds were defeated at an election held April 1. Architect C. J. Ryland, Santa Cruz, has prepared preliminary sketches of the building.

BIDS WANTED

YREKA. Siskiyou Co., Calif.—Until Sept. 4, 10 A. M., bids will be received by the Siskiyou County Board of Supervisors, W. J. Neilon, Clerk, for painting the County Fair buildings at the fair grounds near Yreka.

Preliminary Plans Approved

COURTHOUSE Cost, $2,000,000
OAKLAND, Alameda Co., Calif. Fallon and Twelfth Streets.
Twelve-story courthouse bldg. (three lower floors, 176x245, and upper floors, 115x115) to acommodate all county offices and courts.
Owner—County of Alameda.
Architects—W. G. Corlett, James. E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).

Preliminary plans have been approved by the Board of Supervisors. Final drawings and specifications will be submitted to Federal Public Works Administration engineers for approval October 15. Contract will be advertised as soon as PWA approval is received. Financed by bond proceeds of $1,712,000 and PWA grant of $462,000.

Plans Approved—To Ask Bids Shortly.

FIELD HOUSE Cost, $50,000
SAN FRANCISCO. Chenery and Elk Sts. (Glen Park Playground).
One-story frame and stucco field house
Owner—City and County of San Francisco (Recreation Department).
Architect—Wm. G. Merchant, 406 Russ Bldg., San Francisco.

Plans have been approved and bids will be asked shortly. An appropriation of $50,000 has been included in the budget of the Recreation Department for this building.

Bids Wanted—To Close August 24th, 2:30 P. M.

FIELD HOUSE Cost, $9,000
SAN FRANCISCO. Thirty-eighth and Fulton Streets Playground.
One-story frame and stucco five-room field house (assembly room, storeroom and office; two lavatories; asbestos shingle roof).
Owner—City and County of San Francisco (Recreation Commission).
Architect—Wm. G .Merchant, 406 Russ Building.

Bids will be received at Room 370, City Hall, Office of the Recreation Department, between 1:30 and 2:30 P. M. on August 24. Drawings and specifications obtainable on deposit of $20.

Revised Plans Approved

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1,000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder and Curtis, 35 West San Carlos St., San Jose.
Mechanical Engineer—Leland and Haley, 57 Sutter St., San Francisco.

Original bids received June 25 were rejected because they exceeded available funds. Revised plans have been approved by the City Council but new bid opening date will not be set until an agreement is reached on wage rates to be paid certain trades. Council will hold a special meeting Friday, August 17, to discuss project.

14— RESIDENCES

Planned.

RESIDENCE Cost, $75,000
MONTEREY COUNTY, Cal. Seventeen-Mile Drive.
Two-story Spanish style residence.
Owner—Withheld.
Architect—Ernest W. Urch, 1924 15th Ave., Oakland.

Plans are expected to go ahead in about thirty days. Residence will be similar to one built last year by Mr. Urch for Albert Price in same vicinity.

Contract Awarded

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 58 Blachford Court.
One-story, 6-room dwelling.
Owner and Builder—George H. Fox, 3906 Fruitvale Ave., Oakland.
Architect—Not Given.

Planned

RESIDENCE Cost, $25,000
ATHERTON, San Mateo Co., Cal. El Camino Real.
Spanish-style residence or 11 or more rooms
Owner—Mrs. Suzanne Perry, Atherton.
Private Plans.
Contractor—W. H. Weeden, 1458 State Highway, Menlo Park.

Mr. Weeden will supervise construction for the owner. Plans will be completed in about ten days.

Contract Awarded

RESIDENCE Cost, $4500
SAN FRANCISCO. Marina Blvd. near Beach Street.
Two-story and basement frame dwelling.
Owner and Builder—Frank Antonioli, 2230 Francisco Street.
Architect—Not Given.

Plans Being Figured—Bids Close Aug. 23rd.

RESIDENCE Cost, $14,000
BAYWOOD, San Mateo Co., Calif.
Two-story and basement Spanish-style residence (9 rooms, 3 baths; tile roof, gas furnace, steel sash, oak plank floors, ornamental iron, color tile bathrooms).
Owner—Harold L. Stillwell, San Mateo
Architect — Chester H. Treichel, 696 Cleveland Ave., Oakland.

Bids are being taken by the architect from a selected list of contractors.

Plumbing Contract Awarded

ALTERATIONS Cost, $——
SAN MATEO COUNTY, Calif.
Alterations and additions to various ranch buildings located on Santa Cruz Ave., Menlo Park.
Owner—Alpine Properties Company.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Contractor—Jensen and Pedersen, 3443 Adeline St., Oakland.
Plumbing—W. H. Picard, Inc., 5656 College Ave., Oakland.

Sub-Contracts Awarded

RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two-story brick veneer residence.
Owner—Mason-McDuffy Co. 2101 Shattuck Ave., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor — W. A. Netherby, 3855 Lyman Road, Oakland.

Sub-contracts awarded as follows:

Masonry—A. Johnson, 1844 Channing Way, Berkeley.
Heating—Atlas Heating and Ventilating Co., 557 4th St., San Francisco
Plumbing—J. A. Fazio, 402 Castro St., Oakland.
Mill Work—Pacific Mfg. Co., Santa Clara.
Structural Steel—Fenestra Const. Co., 63rd and Doyle Sts., Oakland.
Sheet Metal—Atlas Heating & Ventilating Co., 557 4th St., San Francisco.
Painting—Walter I. Hynes, 5756 Adeline St., Oakland.
Plastering—Arthur A. Moore Co., 526 57th St., Oakland.
Tile Work—Brockhurst Tile Co., 2819 Shattuck Ave., Berkeley.
Glass and Glazing—East Bay Glass Co. 621 6th St., Oakland.
Lumber—Smith Lumber Co., 19th Ave. and Estuary, Oakland.

Hardware—B. Simon Hardware Co., 639 Broadway, Oakland.
Grading and Excavation—J. Finley, Oakland.
Brick Work—Wm. Holst, 2827 Park St. Berkeley.

Sub-Contracts Awarded
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. Berkeley Highlands.
Two - story frame, stucco and brick veneer residence (6 rooms and 2 baths) shingle roof, gas heating system, hardwood floors, tiled baths.
Owner—F. H. Robbins.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor — W. A. Netherby, 3855 Lyman Road, Oakland.
Sub-contracts awarded as follows:
Masonry—A. Johnson, 1844 Channing Way, Berkeley.
Heating—Pollard - Seagrave, 472 20th St., Oakland.
Plumbing—J. A. Fazio, 402 Castro St., Oakland.
Mill Work—Pacific Mfg. Co., Santa Clara.
Structural Steel—Soule Steel Co., 1750 Army St., San Francisco.
Sheet Metal—Atlas Heating & Ventilating Co., 557 4th St., San Francisco.
Painting—Walter I. Hynes, 5756 Adeline St., Oakland.
Plastering—Arthur A. Moore Co., 526 57th St., Oakland.
Tile Work—Superior Tile & Products Co., 3743 Broadway, Oakland.
Glass and Glazing—Thos. Carter Glass Co., 333 9th St., Oakland.
Lumber—Smith Lumber Co., 19th Ave. and Estuary, Oakland.
Hardware—B. Simon Hardware Co., 639 Broadway, Oakland.
Brick Work—C. Goodell, 2836 Minna St., Oakland.

Preparing Plans.
RESIDENCE Cost, $6000
SAN FRANCISCO. No. 2755 Vallejo Street.
Remodel interior and exterior.
Owner—Withheld.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Plas will be completed in about ten days.

Plans Being Figured — Bids Close August 20, 4 P. M.
RESIDENCE Cost, $2500
OAKLAND, Alameda Co., Cal. Merriewood Tract.
Two three-room frame residences.
Owner — Syndicate Merriewood Co., Broadway Bldg., Oakland.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Bids are being received by the Architect from a selected list of contractor. Fred DuPuy, 110 Sutter St., San Francisco, and George Windsor, 928 Kingston Ave., Piedmont, are figuring the work and desire subbids.

15— SCHOOLS

Bids Wanted — To Close September 12, 2 P. M.
SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal. Allston Way and Eighth St. (Columbia School).
Alterations to comply with State earthquake safety act.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace Claus Spreckels Bldg., San Francisco.
Plans will be available from Secretary of the Board, Room 203, Administration Bldg., Berkeley, in about two weeks. Deposit $5.

Plans Being Prepared
SCHOOL Cost, $25,000
BRISBANE, San Mateo Co., Calif.
Elementary school building for Visitacion District.
Owner — Brisbane Elementary School District (Jos. Franzen, Pres.)
Architect—Thomas Edwards, 9 Geary St., San Francisco.
Petitions have been placed in circulation asking the school directors to call a special election on a bond issue of $25,000 for the building and also to apply for a PWA grant.

PLANNED
CONCORD, Contra Costa Co., Cal. —Mt. Diablo High School District has received permission from the State Board of Equalization to spend $40,000 on improvements at Mt. Diablo High School in Concord.

PLANNED
MERCED, Merced Co., Cal.—Merced Union Elementary School District has received permission from the State Board of Equalization to spend a surplus of $24,000 for improvements, including additional rooms, at the Galen Clark School.

LOW BIDDER
COMPTON, Los Angeles Co., Cal.—Stark & Schmidt ,822 N. Parton St., Santa Ana, submitted the low general contract bid to the Board of Public Building Reconstruction August 14, at $15,900, for reconstructing the Francis Willard School at Compton, for the Compton Grammar School District. J. Hokom Plbg. Co., 4312 S. Broadway, Los Angeles, submitted the low bid on the plumbing at $1329.49, and Kuster-Wetzel Electric Co., 214 E. Broadway, Long Beach, was low bidder on the electric wiring at $2521.75. Plans were prepared by Architect H. L. Gogerty, 116 N. Santa Fe Ave., Compton. Work will consist of new frame and stucco exterior walls, composition roofing, plastering, floor repairs, etc. The bids were taken under advisement.

BIDS OPENED
RIVERSIDE, Riverside Co., Calif.—Pinkerton & Jameson, 118 E. Sixth St., Corona, submitted the low bid to the Riverside board of education August 13, at $51,800, for the construction of a new school building on the site of the old Grant school, 14th and Walnut Sts., Riverside. All work is included in the general contract. The board will meet this week to make recommendations to the Public Works Administration as to awarding the contract. The building will be a one-story, wood frame and stucco structure, containing seven classrooms, library, auditorium, office and teacher's room. G. Stanley Wilson, Mission Inn, Riverside, is the architect. Other bids were: Pacific System Homes, $53,941.-70; Cresmer Mfg. Co., $58,750; L. Engberg, $59,980; T. C. Prichard, $60,000; Reed & Maiser, $60,842.

Bids Wanted—To Close Aug. 29, 2:30 P. M.
SCHOOL Cost, $38,000
SAN FRANCISCO. Golden Gate Ave. between Pierce and Scott Streets (Golden Gate School).
Structural alterations and repairs to comply with state earthquake safety act.
Owner—City and County of San Francisco.
Structural Engineer—Alfred P. Fisher, 111 Sutter Street.
Work includes removal of roofing, flashing and sheathing, remove all cabinets, millwork, blackboards, brick walls and flue around the entire building down to the window heads of the second story; remove galvanized iron work on exterior; remove wood parapet walls, steel lintels, construct brick and tile, concrete, structural steel, plastering, painting, roofing and electrical.
Specifications obtainable from City Architect C. H. Sawyer, Room 265, City Hall, on deposit of $20.00.

Bids Wanted — To Close August 29, 2:30 P. M.
SCHOOL Cost, $4600
SAN FRANCISCO. Seventh Avenue near Irving Street.
Electrical work on Laguna Honda School.
Owner—City & County of San Francisco.
Architect—C. H. Sawyer, City Architect.
Plans available from City Architect C. H. Sawyer, Room 265, City Hall; deposit $10.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Calif. Fifth and Peralta Streets.
Structural alterations to McFeeley School (6-rm. brick and tile bldg.)
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Tenth and Union Streets.
Structural alterations to Cole School (24-room brick and tile building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Longridge and Sunnyhills Road.
Structural alterations to Crocker Highlands School (5-room tile bldg.)
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Montcello and Flenming Avenues.
Structural alterations to Maxwell Park School (5-room tile building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Calif. One Hundred Third Ave. and Biggerean Street.
Structural alterations to Stonehurst School (2-story brick and tils bldg. 6-rooms).
Owner—Oakland School District.
Achitect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Building).
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Ther-

mal Avenue and Scott Street.
Structural alterations to Toler Heights School (4-rm. brick and tile bldg.)
Owner—Oakland School District.
Achitect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Building).
Plans for reconstruction to comply with state earthquake safety act are being completed.

Architect Commissioned
SCHOOL Cost, $10,000
WATSONVILLE, Santa Cruz Co., Cal.
Alterations to Watsonville school district buildings and reconstruction to comply with state earthquake safety act.
Owner—Watsonville School District.
Architect—Wm. H. and Harold Weeks, 525 Market St., San Francisco.
Preliminary studies of work necessary have been presented to School Directors, indicating an expenditure of about $10,000 will be sufficient to complete alterations.

BIDS WANTED
BRENTWOOD, Los Angeles Co., Calif.—Until August 30, 11:30 A. M., bids will be received by the purchasing clerk of the Los Angeles board of education, room 200, 1425 S. San Pedro St., for the reconstruction, rehabilitaton and strengthening of the main building at the Brentwood school located on San Vicente Blvd. between Bundy Drive and Amhert Avenue, Brentwood Heights. Plans and specifications may be obtained at 1425 S. San Pedro St. upon deposit of $25.00. Harold S. Johnson, architect; Harold A. Nelson, structural engineer. Cost is estimated at $33,589.

BIDS WANTED
LOS ANGELES, Cal. — Until August 23, 11:30 A. M., bids will be received by the purchasing clerk of the Los Angeles Board of Education, Rm. 200, 1425 S. San Pedro St., for the reconstruction, strengthening and rehabilitation of the shop, home economics and cafeteria buildings on the Thomas A. Edison Junion High School site, located on Hooper Ave., between 64th and 67th Sts. Plans and specifications may be obtained at 1425 S. San Pedro St., upon deposit of $25. Architectural plans were prepared by Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg.; engineering plans by Murray Erick, structural engineer, 811 W. Seventh St. Cost is estimated at $47,062.

ENGINEER APPOINTED
SAN FRANCISCO—John B. Leonard has been appointed structural engineer for the Glen Park school to be erected at Brompton, Lippard and Bosworth streets. Mr. Leonard will have offices at 381 Bush St. Architects Lewis P. Hobart, Crocker Bldg., and Bliss & Fairweather, Balboa Bldg. are preparing working drawings.

PLANNED
SANTA CRUZ, Santa Cruz Co., Cal. —Purchase of a hot water heating system for Grant School building and purchase of additional chairs for Bay View school is authorized by the Santa Cruz City Board of Education.

LOW BIDDER
NORWALK, Los Angeles Co., Cal. —Theo. A. Beyer Corp., 438 Chamber of Commerce Bldg., Los Angeles, submitted the low general contract bid to the Board of Public Building Reconstruction August 7, at $105,154, for the construction of a classroom building at Norwalk for the Norwalk Elementary School District. Wm. D. Kraemer, 5437 Maywood Ave., Maywood, submitted low bid on plumbing and heating at $5695 and Cave Elec. Co., 2107 N. Ross St., Santa Ana, submitted low bid on electrical work at $7191. The building will be a U-shaped structure, 100x100 feet, with reinforced concrete walls, tile and composition roof, wood casement windows, gas radiatore, wood and concrete floors, linoleum, etc. T. C. Kistner, architect, 814 Architects' Bldg., Los Angeles.

Planned
SCHOOL Cost, $5000
MODESTO, Stanislaus Co., Calif.
One - story frame and stucco school buildings.
Owner—Modesto City School District.
Architect—Not Given.
Construction of additional classrooms for Wilson and Enslen schools at cost of $2500 each has been approved by the Board of Education. Work is to start at once.

BOND ELECTION
WASCO, Kern Co., Cal. — Wasco Union High School District Trustees have set September 18 as the date for an election on the $52,000 bond issue proposed to secure a PWA loan and grant totaling $56,000 for construction of a new high school science building. Plans are being prepared by Architect Edwin J. Symmes, Haberfelde Bldg., Bakersfield.

Plans Approved—To Ask Bids Shortly.
ADDITION Cost, $8500
CHOWCHILLA, Madera Co., Cal.
One-story concrete addition to high school (add music room) tile roof.
Owner—Chowchilla Union High School District (Mrs. G. W. Hier, Clerk).
Architect—Howard Bissell, 327 East Channel St., Stockton.
Plans have been approved by Clifton Hickok, Northern California engineer for the PWA and have been returned to the school authorities. Bids which were originally advertised for August 7 were cancelled due to delay in approval of plans. New advertisement for bids will be published shortly.

EXPENDITURE APPROVED
CROCKETT, Contra Costa Co., Cal. —Crockett School District has been authorized by State Board of Equalizaton to spend $30,000 in earthquake-proofing the Crockett grammar school, and $35,000 for similar work on the John Swett high school. A survey of the school recommending necessary work has been completed by Engineers H. D. Dewell and A. W. Earl, 55 New Montgomery St., San Francisco.

Plans Being Prepared
SCHOOL Cost, $200,000
SONOMA COUNTY, Calif.
Two - story reinforced concrete high school building.
Owner—Analy Union High School District.
Architect—Louis C. Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market Street, San Francisco.
Plans will be ready in about three weeks. Contract will be advertised in about sixty days.

BIDS OPENED
PITTSBURG, Contra Costa Co., Cal. Bids received by the Pittsburg School Directors for installing heaters in the temporary school quarters have been taken under advisement until the next board meeting. Bids were received from Atlas Heating & Ventilating Co., San Francisco; Thomas Day Kennedy, Martinez; Cautiello Hardware Co., Pittsburg; Coast Counties Gas and Electric Co., Pittsburg, and McFaul Furniture & Plumbing Co., Pittsburg.

Planned.
GYMNASIUM Cost, $10,000
TULELAKE, Siskiyou Co., Cal.
Gymnasium addition to Tulelake School.
Owner—Siskiyou County High School District.
School trustees have approved a budget including $10,000 for construction of a gymnasium at Tulelake School.

ACTION POSTPONED
SAN MATEO COUNTY, Calif.—San Mateo High School District directors have postponed action on bids received for alterations at San Mateo and Burlingame high school buildings until Thursday, August 16. Bids received August 6 have been held under advisement. Harold Hammill, 381 Busb St., San Francisco, is consulting structural engineer.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Nineteenth Ave. and E. 19th St.
Structural alterations to Roosevelt High Schol academic unit (40-rm. brick building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Building).
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans
SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Eighty-first Avenue and Olive Street.
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Building).
Plans for reconstruction to comply with state earthquake safety act are being completed.

BIDS WANTED
PASADENA, Cal.—Until August 28, 11 A. M., bids will be received by the Pasadena board of education for a school building to be built at the Garfield school site. Bids will be taken on two bases: A general contract with alternate bids for the omission of plumbing, painting, electric wiring, heating and ventilating, and segregated bids as above classified. Plans were prepared by Architects Hunt and Chambers, 408 S. Spring St., Los Angeles. The building will be a one- and part two-story structure, containing classrooms, kindergarten department, assembly room and offices. Construction will be reinforced concrete, structural steel, composition roofing, steam heating, maple floors, etc. Estimated cost, $100,000.

ARCHITECT COMMISSIONED
LOS ANGELES, Cal.—Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., have been commissioned by the Los Angeles Board of Education to prepare plans and specifications for a 16-unit new building replacement at the Santa Barbara Avenue School, 3990 S. Western Ave. Cost is estimated at $100,000.

CONTRACT AWARDED
LOS ANGELES, Cal.—J. & B. Construction Co., 5572½ Valley Blvd., has been awarded a contract by the Los Angeles board of education, at $41,450 for reconstructing, rehabilitating and strengthening Bldg. No. 1 at the Vir-

ginia Road school, northwest corner of Virginia Road and 30th St. Work will consist of removing the 3rd story of the building, constructing new wood and composition roof, and reconstructing walls and interior of the remaining portions of the building. Plans were prepared by Architect Robert H. Orr, 1300 Corporation Building, and Structural Engineer R. McC. Beanfield, 615 Chamber of Commerce Bldg.

Bids Wanted—To Close August 24th. 5:30 P. M.

SCHOOL Cost, $——
JACKSON, Amador Co., Calif.
One-room addition to Jackson Union High School building.
Owner — Jackson Union High School District.
Architect—P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Bids will be received by V. R. Fitzsimmons, Clerk of the Board of Trustees, and will be opened by the Board of Trustees at 7:30 P. M. Plans and specifications available from the architects on deposit of $5.00. On file with the clerk of the board.

ARCHITECTS COMMISSIONED

SAN BERNARDINO, Calif.—Architect G. Stanley Wilson, Mission Inn, Riverside; E. Charles Parke, associate architect, 657 N. 8th St., Colton, have been commissioned to prepare plans for a proposed auditorium building and a science building to be erected in San Bernardino for the San Bernardino Valley Junior College District. Architect Howard E. Jones, 518 Andreson Bldg., San Bernardino, has been commissioned to prepare plans for a women's gymnasium to be built for the district. Estimated cost of the auditorium is $225,000, the science building, $60,000, and the gymnasium, $65,000. The district will hold an election Nov. 6 at which time it is proposed to vote bonds in the sum of $268,000, proceeds to be used to partially finance the building program. The government recently approved an outright grant of $105,000 and a loan of $245,000 to the district.

Preparing Plans

SCHOOL Cost, $——
OAKLAND, Alameda Co., Calif. Lincoln Avenue and Scenic Street.
Structural alterations to Sequoia School (12 room brick and tile building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.).
Plans for reconstruction to comply with state earthquake safety act are being completed.

Preparing Plans

SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Thorn Road and Mountain Blvd.
Structural alterations to Montclair School (4-rm. brick and tile bldg.)
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed

Preparing Plans

SCHOOL Cost, $——
OAKLAND, Alameda Co., Calif. 3956 Burckhalter.
Structural alterations to Chas. Burckhalter School (4 - room brick and tile building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed

Preparing Plans

SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Tompkins Avenue and Buell Street.
Structural alterations to John Swett School (4-rm. brick and tile bldg.)
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed

Preparing Plans

SCHOOL Cost, $——
OAKLAND, Alameda Co., Cal. Twenty-sixth and Myrtle Sts.
Structural alterations to McClymonds High School academic unit (35-room brick building).
Owner—Oakland School District.
Architect—W. G. Corlett, Second Ave. and E. Tenth St., Oakland (School Administration Bldg.)
Plans for reconstruction to comply with state earthquake safety act are being completed

Contract Awarded.

SCHOOL Cost, $15,000
CLARKSBURG, Yole Co., Cal.
One-story frame shop building (concrete floor).
Owner — Clarksburg Union High School District, Clarksburg.
Architect — H. J. Devine, California State Life Bldg., Sacramento.
Low Bidder—Charles Unger, 4532 T St., Sacramento, at $12,133.
Complete bids follow:
Charles Unger, Sacramento.....$12,133
F. H. Betz, Sacramento..... 12,555
Harry Robertson, Sacramento.. 12,555
Campbell Constr. Co., Sacto..... 13,235
John Branagh, Piedmont..... 13,979
Contract was awarded to the low bidder.

16—BANKS, STORES AND OFFICES

Sub-Contracts Awarded

RESTAURANT Cost, $——
SAN FRANCISCO, 39 Third Street.
Alterations and remodeling for dairy lunch.
Owner—Cooperative Dairy Lunch, Inc.
Private Plans.
Contractor — Creative Fixtures, Inc., 2745 Sixteenth Street.
Plumbing—E. G. Houchin Inc., 15 Harriet Street.
Electrical—W. B. Baker & Co., 15 Harriet Street.
Contractor is taking figures on other sub-contracts, including glass, linoleum, tile, painting, sheet metal and refrigeration.

Sub-Contracts Awarded

ALTER STORE Cost, $11,000
FRESNO, Fresno Co., Cal. Fulton and Tulare Streets.
Remodel store and office bldg. (general alterations, etc.)
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis Dunn, 424 Monadnock Bldg., San Francisco.
Painting—Allied Painting Co., 150 So. Park, San Francisco.
Electrical — Fresno Electric Co., 2320 Tulare St., Fresno.
Plumbing—Fred W. High, 224 Belmont Ave., Fresno.

Plans Completed

REMODELING Cost, $7,000
STOCKTON, San Joaquin Co., Calif. 401 East Weber Avenue.
Remodeling store for finance company quarters, including new front and fixtures, heating and ventilating system (front will be micarta with aluminum trim).
Owner—Morthrift Co., 18 South Sutter St., Stockton.
Architect—Frank V. Mayo, 108 East Miner St., Stockton.
Contractor—G. H. Wendt, 556 Arlington Ave., Berkeley.
Bids on portions of work to be sublet are being taken by the general contractor.

FIRE DAMAGE

FALL RIVER MILLS, Shasta Co., Cal.—The entire business district of Fall River Mills was destroyed by fire August 13 with an estimated damage of $150,000. Several residences also were burned.

Contract Awarded

MARKET Cost, $10,000
SALINAS, Monterey Co., Calif. 233 Monterey Street.
Reinforced concrete market building (50x110) with auto parking space adjoining.
Owner—Arthur Sbrana, Salinas.
Private Plans
Contractor—E. F. Reese, 35 Santa Lucia Ave., Salinas.
Construction to start immediately.

17— THEATRES

Additional Sub-Contracts Awarded

THEATRE Cost, $50,000
PITTSBURG, Contra Costa Co., Calif. Tenth Street.
One-story (62x125 feet) and balcony steel frame and reinforced concrete theatre to seat 1000; composition roof, steam heating system.
Owner—Sylvester and Salvatore Enea, Pittsburg.
Architect—F. F. Amandes, 1879 Sixteenth Ave., San Francisco.
Structural Engineer—W. Ardian, 417 Market St., San Francisco.
Contractor—Horace J. Siino, 710 Black Diamond St., Pittsburg.
Electrical — White Electric Co., 1033 Railroad Ave. Pittsburg.
Plastering—Sam Muriale, 3831 Division St., Oakland.
As previously reported, structural steel awarded to Herrick Iron Works; concrete to J. H. Fitzmaurice; sheet metal to Central Sheet Metal & Roofing Co.; heating to C. R. Watts.

18— WHARVES & DOCKS

Plans Being Prepared.

WHARF Cost, $4500
STOCKTON, San Joaquin Co., Cal. Port of Stockton.
Temporary wharf and shed to be used during construction of permanent facilities.
Owner—City of Stockton, Port Commission, City Hall.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).
Bids will be called shortly on the contract.

CONTEMPLATED

SAN DIEGO, Calif.—Plans for the Ocean Beach fishing pier were presented to the city council August 6. The proposed pier will have a width of 10 ft. for 1000 ft. and 20 ft. width for the remaining 200 ft. Construction will be of 90-lb. rails driven 6 ft. into the ocean bed and embedded in concrete. The pier will have a wooden deck. Estimated cost, $15,000. The SERA will probably furnish the labor.

CONTEMPLATED

REDONDO BEACH, Cal.—Proceedings for the construction of an addition to the municipal pier, under the

1911 and 1931 acts, have been initiated by the Redondo Beach City Council. Plans have been approved and under ordinary conditions, barring protests, bids should be called within six months. The proposed extension will be 42-ft. wide by 268-ft. long, and will be constructed of creosoted timber and piling with 2x4 laminated redwood decking with asphalt top, redwood hand railing and pipe standard lights. There will also be a boat landing with derrick. The project will involve the following approximate quantities:

(1) 100,000 b. ft. creosoted lumber, in place;
(2) 7,600 l.f. creosoted piling;
(3) 14,000 sq. ft. laminated redwood, 2x4 decking;
(4) 700 l.f. redwood hand railing.

D. L. Bundy, City Engineer, prepared the plans.

19—MISC. CONSTRUCTION

IMPROVEMENTS PLANNED

SAN JOSE, Santa Clara Co., Cal.—Improvements at the San Jose Airports are planned by John Cousin, who has leased the field. Grading of field, alterations to hangar and field lighting equipment are included in the work contemplated.

BIDS OPENED

MARE ISLAND, Vallejo, Cal.—Associated Erectors Const. Co., 604 Irving St., San Francisco (C. A. Blume, president) at $9,800 submitted low bid to Public Works Officer, Mare Island, for painting five 450-foot steel radio towers at Mare Island Navy Yard Radio Station.

Complete bids follow:

Associated Erectors Const. Co., San Francisco	$ 9,800
R. P. Paoli & Co., S. F.	9,975
Edwin Anderson, S. F.	15,300
M. Williams & Son, Oakland	30,877
Patterson Bros., Oakland	38,000

Bids held under advisement.

PLANNED

RENO, Nevada—Associated Oil Co. has presented plans to the Reno City Council for reconstruction of storage plant recently destroyed by fire. Work proposed includes erection of 50,000-gallon tank.

BOND ELECTION

MARTINEZ, Contra Costa Co., Cal.—Martinez City Council has set September 25 as the date for an election on a bond issue of $35,000 to secure a loan in the same amount and a grant of $15,000 allotted by the PWA for construction of a municipal yacht harbor. Architect E. Geoffrey Bangs, 411 13th St., Oakland, has prepared preliminary studies of the project.

PLANS ON FILE

FRANCE FIELD, C. Z.—The Constructing Quartermaster, Fort Mason, San Francisco, has on file the plans and specifications for the construction of a gasoline fueling system at France Field, Canal Zone, for which bids will be opened in Washington, D. C.; in France Field, C. Z., and at Fort Mason, August 20, 10 A. M., as previously reported.

The Constructing Quartermaster at Fort Mason has a limited number of sets of plans available for prospective bidders.

Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, and the Jarrett Co., 3333 Pacific Ave., San Pedro, have procured plans. Estimated cost, $9000.

BIDS OPENED

SAN DIEGO, Cal.—Pan-Pacific Piling & Const. Co., Box 386, Wilmington at $610 submitted low bid to the Public Works Officer, 11th Naval District, San Diego, August 9, for overhauling buoy at Los Angeles Harbor (Berth A-1) San Pedro, under Spec. No. 7763.

The other bids were: Merritt-Chapman & Scott Corp., San Pedro, $1,625; Los Angeles Shipbuilding & Dry Dock Corp., $1,715.

Contract Awarded

STABLES Cost, $5,000
ATHERTON, San Mateo Co., Cal.
Remodeling and enlarging stables and store room.
Owner—Mrs. Suzanne Perry, Atherton.
Architect—Not Given.
Contractor—W. H. Weeden, 1458 State Highway, Menlo Park

PLANNED

STOCKTON, San Joaquin Co., Cal.—Surveys are being made by engineers of the Port of Stockton at the request of the Stockton Chamber of Commerce to locate a yacht harbor site. Recommendations on a site are to be made shortly. S. P. Pennybaker of the port staff is in charge of the survey.

BIDS OPENED

SAN FRANCISCO—Following bids received by the U. S. Engineer Office, Customhouse, San Francisco, for furnishing: (1) 1 steel shelter; (2) 2 steel shelters; (3) 3 steel shelters, for fortifications in the Hawaiian Islands. The shelters are to be 5-ft. hexagons, 6-ft. in height, sides and top members bolted and fitted with special fastenings:

Western Pipe & Steel Co., San Francisco, (1) $996; (2) $918; (2a) total, $1836; (3) $884; (3a) total, $2652. Delivery at Fort Mason.

California Steel Products Co., San Francisco: (1) $870; (2) $847; (2a) $1694; (3) $329; (3a) $2487. Delivery at Schofield Barracks, T. H.

California Steel Products Co., San Francisco, (1) $828; (2) $805; (2a) $1610; (3) $787; (3a) $2361. Delivery at Fort Mason.

Independent Iron Works, Oakland, (1) $1188; (2) $1158; (a) $2316; (3) $1094; (3a) $3282. Delivery at Fort Mason.

Mutual Constr. Co., Brooklyn, N. Y., (1) $769; (2) $739; (2a) $1478; (3) $728; (3a) $2184. Delivery at Schofield Barracks, T. H.

Mutual Constr. Co., Brooklyn, N. Y., (1) $712; (2) $680; (2a) $1360; (3) $669; (3a) $2007. Delivery at Fort Mason

Alton Iron Works, New York City, (1) $960; (2) $940; (2a) $1880; (3) $930; (3a) $2790. Delivery at Brooklyn, N. Y.

American Factors, Ltd., San Francisco, (1) $1453.76; (2) $1395.48; (2a) $2790.96; (3) $1375.71; (3a) $4127.13. Delivery at Schofield Barracks, T. H.

American Factors, Ltd., San Francisco, (1) $1413.30; (2) $1355.02; (2a) $2710.04; (3) $1335.25; (3a) $4005.75. Delivery at Fort Mason.

Schrader Iron Works, San Francisco, (1) $1796; (2) $1650; 2a) $3300; (3) $1600; (3a) $4800. Delivery at Fort Mason.

Bids were also received by the U. S. Engineer, Honolulu, and will be published shortly.

BIDS OPENED

FORT MASON, Calif.—G. E. Rahm Co., 460-A 9th St., San Francisco, at $3,088.10 submitted low bid to the Constructing Quartermaster, Fort Mason, for repairs to boiler furnaces, pumps, burners, etc., and to refrigerating equipment in power plant at Letterman General Hospital, Presidio.

Total bids follow:

(A) G. E. Rahm Co., San Francisco, $3,088.10.

(B) McGregor Engr. Co., San Francisco ($6,659.50 (if eastern brick is used. Alternate, for western brick, $5,959.50).

(C) Scott Co., San Francisco, $7,596.00.

Bid items follow:

(1) for entire work;
(2) if repairs to boiler feed pumps are omitted, deduct;
(3) if repairs to 12 oil burners are omitted, deduct;
(4) if repairs to two vacuum pumps are omitted, deduct;
(5) if repairs to 4 oil burner feed pumps are omitted, deduct;
(6) if replacing belt on ammonia compressor is omitted, deduct;
(7) if repairs to governor valve on ammonia compressor are omitted, deduct;
(8) if repairs to 6 motor control valves are omitted, deduct.
(9) if replacement of thawing tank is omitted, deduct.

Unit bids follow:

	(A)	(B)	(C)
(1)	$3,088.10	$6,659.50	$7,596.00
(2)	160.00	185.00	864.00
(3)	53.00	90.00	266.00
(4)	185.00	200.00	941.00
(5)	15.00	90.00	358.00
(6)	170.00	260.00	107.00
(7)	10.00	16.50	25.00
(8)	451.00	340.00	340.00
(9)	95.00	98.00	95.00

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

LOS ANGELES, Cal. — Following firms submitted identical bids to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, August 8, for furnishing lead covered cable under Spec. No. 1455: General Cable Corp.; Columbia Steel Co.; Anaconda Wire & Cable Co.; General Electric Co.; Habirshaw Wire & Cable Co.; Okonite Callender Co.; John A. Roeblings Sons Co., and the American Electric Works. The bids were:

(1) 11,225 ft. 500,000 C.M., 5000-volt, 3-conductor, lead-covered, paper insulated cable; $1781 per M. ft.
(2) 11,225 ft. 500,000 C.M., 5000-volt, do, $1781 per M ft.
(3) 11,225 ft. 500,000 C.M., 5000-volt, do, $1781 per M ft.
(4) 11,225 ft. 500,000 C.M., 5000-volt, do, $1781 per M ft.
(5) 3000 ft. No. 6 AWG, 5000-volt, 3-conductor, lead-cavered, paper insulated cable, $483 per M. ft.
(6) 2500 ft. No. 6 AWG, 5000-volt, 1-conductor, do, $197 per M. ft.
(7) 21,000 ft. 4/0 AWG, 600-volt, 1-conductor, do, $252 per M. ft.
(8) 10,000 ft. 1/0 AWG, 600-volt, 1-conductor, do, $159 per M. ft.
(9) 20,000 ft. No. 4 AWG, 600-volt, 1-conductor, do, $103 per M. ft.
(10) 12,000 ft. No. 6 AWG, 600-volt, 1-conductor, do, $78 per M ft.

All bids net, 30 days, ½ of 1% date invoice.

CONTRACT AWARDED

SAN FRANCISCO.—Davis Hardwood Co., Bay and Mason Sts., at $5 per MFBM off list price on Grade B and better spruce, and $10 per MFBM off list price on shop and factory grade spruce, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing lumber under Bid No. 1216.

CONTRACT AWARDED

CHICO, Cal. — Richfield Oil Co., awarded contract by the Chico City Council for furnishing 30,000 gallons of road oil for repair of unimproved streets.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until August 20, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1132, for furnishing 150 tarpaulins. Delivery fob bidder's shipping point and/or Albuquerque, N. M.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until August 21, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid No. 1130, for furnishing 450 bbls. (4 sacks to bbl.) of Portland cement, in paper sacks, 94 lbs. each.

Delivery f.o.b. cars, docks, or trucks at bidder's shipping point and/or f.o.b. Ukiah.

Specifications obtainable from the above office.

WAR DEPARTMENT

FORT MASON, Cal.—Until August 24, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, San Francisco, under Req. No. QM 742-500-35 (35-22) for furnishing 500 trimmed chamois skins, size 18x24-in.

Delivery fob Rockwell Air Depot, San Diego.

Specifications obtainable from the above office.

PORTLAND, Oregon—Until August 23, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-79, for furnishing one 45-ft. wooden gasoline motor-driven twin- screw boat, and delivering it afloat, ready for service, at Goverment Moorings, No. 8010 N. W. St. Helens Road, Portland.

Specifications obtainable from the above office.

CALIFORNIA STATE

BISHOP, Cal.—Until August 22, 3 P. M., bids will be received by the Department of Public Works, Division of Highways, John A. Stein, Superintendent of Equipment, Bishop, for the sale of the following equipment:

CHC 15—Bulldozer, Davis Hydrig, for "35" A. C. tractor, 8-ft. power lift
CHC 174—Drill for rock, Gardner-Denver, model 95;
CHC 179—Drill for rock, Gardner-Denver, model 411-D;
CHC 1—Scarifier, S. W. 2-wheel, Little Giant, 11-tooth;
CHC 158—Kettle, 100-gal. Spearswell, 2-wheel R. T. heating;
CHC 184—Kettle, 165-gallon, Peerless, 2-wheel R. T. heating;

All equipment may be inspected at the Division of Highways yard, Bishop from 8 A. M. to 5 P. M. on any working day.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until August 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1256, for hiring automotive trucks, vehicles, and horse teams.

Specifications obtainable from the above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until August 20, 4 P. M., bids will be received by the Los Angeles Board of Education Purchasing Bureau, 1445 S. San Pedro St., for furnishing one power lawn mower under Bid No. 1461.

LOS ANGELES, Cal.—Until August 30, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, for furnishing 16 only 287,000-volt, 1200 ampere, 3-pole, outdoor type, motor gang operated, vertical break type for horizontal mounting, disconnect switches for Boulder Dam Transmission lines, under Spec. No. 1484. This bid call cancels Bid No. 1454.

LOS ANGELES, Cal.—Until August 28, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, for furnishing four only liquid petroleum gas fuel storage and gasifying plants, one plant for each of the Department's camp site in Mono County. Spec. No. 1485.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until August 22, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, under Informal Proposal No. 552, for furnishing the following:

(1) 1536 3⅛-in. outside diam., No. 13 B & S gauge red brass seamless tubes, 9-ft. 6¾-in. long.
(2) 37 3½-in. outside diam., 3.062-in. inside diam., red brass seamless pipe, 12-ft. long.

Delivery f.o.b. Corporation Yard, 22nd and Adeline Sts., Oakland.

OAKLAND, Cal.—Until August 22, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 612 16th St., Oakland, under Informal Proposal No. 554, for furnishing 1000 tons of aluminum sulphate. Delivery, as required.

Specifications obtainable from the above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until August 20, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1255, for furnishing one tractor power lawn mower.

Specifications obtainable from the above office.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until August 31, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing approximately 168 or more feet of movable steel telescoping forms and accompanying traveler, for lining 16-ft. tunnel, in accordace with Spec. No. 71, which may be obtained from F. E. Weymouth, General Manager and Chief Engineer, Room 1007, upon payment of $2.

HUMBOLDT COUNTY

EUREKA, Cal.—Until August 21, 5 P. M. (to be opened at 8 P. M.), bids will be received by the Eureka City Council, John Griffith, Superintendent of Public Works, for furnishing 5500 lin. ft. of 8-in. Class B AWWA or Mono cast or centrifugal cast, Bell and Spigot cast iron water pipe, or their equal which is guaranteed to stand 150 lbs. of Hydro Static Test required for Class B AWWA Standard. Delivery f.o.b. dock, Eureka.

Specifications obtainable from and bids to Superintendent of Public Works, 524 D St., Eureka.

NAVY DEPARTMENT

WASHINGTON, D. C. — Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies, materials, and quipment, as follows:

TRUCKS, motor; East and West Yards. Sch. 3072; Aug. 24.
THEROMETERS and sockets; East and West Yard. Sch. 3106; Aug. 28.
GRINDERS, portable, electric, 9; Mare Island. Sch. 3108; Aug. 28.
COPPER, bronze and brass; East and West Yards. Sch. 3076; Aug. 28.
ASBESTOS board, 1400 sq. ft.; Mare Island. Sch. 3096; Aug. 28.
PLANER and jointer, motor-driven hand, 1; and 1 motor-driven hand saw; East or West Yard. Sch. 3095; Aug. 28.
TUBING, copper, approximately 9000 lbs.; East and West Yards. Sch. 3131; Aug. 23.

Specifications obtainable from the above office.

CANAL ZONE

PANAMA CANAL ZONE — Until August 30, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2987, for furnishing:

(1) 3 horizontal centrifugal type pumps, each direct-connected to driving motor and complete with motor, sub-base and control.

(2) 2 vacuum or centrifugal type priming pumps, direct-connected to driving motor and complete with motor, sub-base and control equipment.

(3) 3 foot valves, complete with strainers.

(4) 1 electric switchboard complete.

Specifications obtainable from the above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
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28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

PACIFIC COUNTY, Wash. — McGregor & McLean, Astoria, Oregon, at $51,157, submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, August 7, for constructing a pile and timber bulkhead, riprapping and surfacing with crushed stone about 1.8 mile of State Road No. 12, Fort Columbia to Point Ellice Bank Protection, F.P.W. Project 7754, in Pacific County. Complete bids follow:

McGregor & McLean, Astoria	$51,157
Guthrie-McDougall, Portland	51,462
Butler Constr. Co., Seattle	53,673
Oliver S Reed and Creech Bros. Constr. Co., Aberdeen	54,180
Gilpin Constr. Co., Portland	89,189
Parker-Schram Co., Portland	64,564
James Borin, Portland	66,909
Kuckenberg-Wittman Company Portland	78,820
Hart Constr. Co., Inc., Tacoma	80,602

CONTRACT AWARDED

YAKIMA COUNTY, Wash.—Elliott & Co., 2155 Northlake St., Seattle, at $94,574 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, for grading and surfacing with crushed stone about 0.9 miles and constructing a steel girder bridge on concrete piers with a concrete deck 542 ft. long across the Yakima River, and a reinforced concrete girder bridge 114 ft. long across a slough on State Road No. 8, Yakima River Vicinity, bet. Buena and Toppenish, F.P.W. Project 8031, Yakima County. Complete bids follow:

Elliott & Co., Seattle	$ 94,574
Sheble Constr. Co., Seattle	105,813
MacRae Bros., Seattle	114,996
C. L. Creelman, Seattle	117,067
J. H. Collins & Co. and S. G. Morin, Walla Walla	128,923
L. Romano Engr. Co., Seattle	142,350

BIDS WANTED

MONTEREY COUNTY, Cal.--Until August 21, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for the construction of a reinforced concrete arch culvert in Monterey County at McWay Canyon, about 40 miles south of Carmel.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

UKIAH, Mendocino Co., Cal.—Frank Mitchell, Ukiah, at $1,143.60 submitted low bid and awarded contract by the Ukiah City Council, Fred L. Bosworth, City Manager, August 8, for the reconstruction of a concrete bridge across Gibson Creek on State Street.

Chas. Swanfeldt, Ukiah, at $1,826.76 submitted the only other bid.

OFFICE ESTABLISHED

COOS COUNTY, Oregon—Northwest Roads Co., P. O. Box 5072, Portland, general contractors on the construction of the Coos Bay Bridge near North Bend, announce that an office has been established at North Bend with Len S. Hinson as office manager. E. C. Panton is superintendent of construction. A sub-contract for access trestle and fender piling has been awarded the Coos Bay Dredging Co., Marshfield.

CONTRACT AWARDED

SAN FRANCISCO.—Barrett & Hilp, 918 Harrison St., at $174,392.50 awarded contract by the Public Utilities Commission, City Hall, for the construction of the timber trestles for the Bay Crossing Pipe Line No. 2, in Alameda and San Mateo counties, under Spec. W. D. 52.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

OAKLAND, Cal.—American Dredging Co., 255 California St., San Francisco, at $1.48 per cubic yard submitted only bid and recommended for award by the U. S. Engineer Office, Custom House, under Proposal No. 35-3, for dredging an area about 82-ft. wide and 100 ft. long located between the two channels through the former drawbridge at Park St., Alameda, to a depth of 18-ft. at mean lower low water.

COMPLETE BID LISTING

COCO SOLO, C. Z.—Tucker McClure P. O. Box 5035, Cristobal, C. Z., at $96-660 (item 1) and $77,580 (item 2) as previously reported, submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., August 8, for the construction of an earth filled sheet steel pile pier with ducts and service piping, etc., at the Naval Submarine Base, Coso Solo, under Spec. No. 7731.

Complete bids follow:

Tucker McClure, Cristobal, C. Z., (1) $96,660; (2) $77,580; (3) $2,828; (4) $2,-659; (5) $2,810; (6) $2,620.

W. P. Thurston Co., Richmond, Va., (1) $98,000; (2) $79,500; (3) $1,000; (4) $3,300; (5) $5,600; (6) $4,800.

W. Horace Williams Co., New Orleans, (1) $99,700; (2) $79,700; (3) $3,-300; (4) $2,700; (5) $5,800; (6) $4,700.

All bids held under advisement.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street

Sacramento :: California

BIDS WANTED

SAN DIEGO, Cal.—Until Aug. 21, 11 A. M., bids will be received by Capt. DeWitt C. Webb, Public Works Officer, Headquarters, 11th Naval Dist., foot of Broadway, San Diego, under Spec. No. 7771, for installing two 22-pile anchorage dolphins; two 14-pile do; six 19-pile fender dolphins; nine 3-pile corner fenders; four 3-pile float moorings; concrete shore anchorages; two floats approximately 14-ft. wide by 40-ft. long, and four brows.

Specifications obtainable from above office upon deposit of $10.00.

CONTRACT AWARDED

SACRAMENTO, Calif.—Kuhn Bros., Inc., 408 Center St., Manhattan Beach, at $0.18 per c.y., total, $62,820 awarded contract by the U. S. Engineer Office, Sacramento, under Spec. 6574, for a levee construction in the Meister Tract, a distance of 2.3 miles.

BIDS WANTED

SACRAMENTO, Cal. — Until Aug. 29, 3 P. M., bids will be received by the U. S. Engineer Office, Captain J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacrameto, under Spec. No. 6588, for furnishing, delivering and placing approximately 16,000 tons of Class A or Class B rip-rap stone in sizes 20 to 300 lbs., along the banks of the Sacramento River at various points between the mouth of Cache Slough and Collinsville, as directed by the contracting officer.

Plans and specifications obtainable from the above office.

23— IRRIGATION PROJ.

FORCE ACCOUNT

YUMA, Ariz. — R. F. Walter, Chief Engineer, U. S. Bureau of Reclamation, Denver, has recommended to the Reclamation Service at Washington, D. C., that the department expend $1,000,000 on construction by force account of an 11-mile section of the All-American Canal, running from the Central Main Canal north and east of Calexico to the Westside Main Canal, according to a report by M. J. Dowd, of the Imperial Irrigation District.

SUB-CONTRACT AWARDED

YUMA, Arizona.—J. H. Boyce and Sons and Roy L. Igo, P. O. Box 1179, Baton Rouge, La., and Omaha, Neb., have been awarded a sub-contract by the W. E. Callahan Const. Co., and Gunther & Shirley, general contractors, for Schedules 1 to 6, inclusive of the All-American Canal, at 12.73c yard for all common excavation in Schedule No. 3, Station 800 to Station 1689, about 6,100,000 cu. yds. Chief Engineer R. F. Walter has recommended approval of the contract.

CONTRACT APPROVED

INDIO, Calif.—The Irrigation Board Certification Commission has approved the contract between the Coachella Valley Irrigation District and the government which provided for the extension of the All-American Canal to Indio on the east side of the valley and back on the west side. The cost of the proposed extension is estimated at $10,000,000. The Coachella branch as originally planned, will be 115 miles in length, of which 33 miles will require concrete lining. This branch will have 79 syphons and culverts under various washes. The total area to be benefited will be 120,000 acres. Under the terms of the contract, no pay-

ments will be required until the canal is completed.

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No 1243, for furnishing:

(1) Furnishing, testing, and delivering 8-in. gate valves;
(2) Furnishing, testing and delivering 12-in. gate valves with head gear and 3-in. by-pass valve;
(3) Furnishing, testing and delivering 12-in. gate valve with head gearing and 3-in. by-pass valve, and with steel bands shrunk on the bell ends;
(4) Same as item 3, except 14-in. gate valve;
(5) Same as item 4;
(6) Furnishing and delivering complete sets of head gearing for 16-in. vertical stem gate valves including spur gear, bronze nut, and bronze washer for end of valve stem;
(7) Furnishing and delivering complete sets of head gearing for 18-in. horizontal stem gate valve including bevel gear, bronze nut, and bronze washer for end of valve stem;
(8) Furnishing, testing and delivering 12-in. horizontal check valve

Complete bids follow:

Crane Co., (1) $93.50; (2) $328; (3) $347; (4) $448; (5) $474; (6) $174; (7) $296; (8) $275.

General Engineering & Drydock Co., (1) $104.28; (2) $363; (3) $379.50; (4) $366.36; (5) $402.24; (6) $66.56; (7) $194.12; (8) $256.15.

Union Machine Co., (1) $112.50; (2) $462; (3) $492; (4) $544; (5) $577; (6) $125; (7) $175; (8) $230.

A. P. Smith Mfg. Co., (1) $67.50; (2) $195; (3) $207.50; (4) $260; (5) $280 (6) $59; (7) $137.50; (8) $167.50.

Water Works Supply Co., (1) $79.40; (2) $237.60; (3) $260.70; (4) $311.30 (5) $347.60; (6) $71.50; (7) $95.70; (8) $119.90.

Ludlow Valve Mfg. Co., (1) $94; (2) $240; (3) $250; (4) $300; (5) $310; (6) $52; (7) $82 (8) $150.

Pelton Water Wheel Co., (1) $174.50

M. Greenberg's Sons, (1) $112.25.

All bids held under advisement.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN DIEGO, Calif.—Following bids received by the State Bureau of Purchases, State Capitol, Sacramento, for furnishing a tractor fob San Diego, under Req. No. 731:

Hazard Gould Co., San Diego, $2,305; 2% 30 days.

San Deigo Tractor & Equipment Co. $2,697; 2% 30 days.

J. D. Adams, Los Angeles, $2,821; 10% 30 days.

Smith Booth Usher, Los Angeles, $2-850; Alt., $2,687; 7% 30 days.

CONTRACTS AWARDED

OAKLAND, Cal. — Following contracts awarded by the East Bay Municipal Utility District, Oakland, for furnishing miscellaneous supplies and equipment, for which bids were opened June 27:

Meter boxes and covers, Forni Mfg. Co., Oakland, $3883.46; and Art Concrete Works, Oakland, $1025. Proposal No. 124.

Gate valves, Rensselaer Valve Co, San Francisco, approximately $14,000. Proposal L. S. 126.

Concrete aggregate, Rhodes and Jamieson, Ltd., Oakland, $12,220. Proposal No. 537.

Copper sulphate, Mountain Copper Co, Ltd., San Francisco, $1560. Proposal No. 543.

Barber-Green ditcher, Jenison Machinery Co., San Francisco, $5669. Proposal No. 535.

Venturi meters, etc., Percy Keatinge, San Francisco, $13,700.

Complete bids on each of the above proposals published June 29 and 30.

BIDS OPENED

OAKLAND, Cal.—Kratz & McClelland, Inc., 522 Bryant St., San Francisco, at $1289.96 submitted low bid to the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing two centrifugal pumps with electric motors; 1400 G.P.M., head at 80 feet, under Informal Proposal No. 550. Complete bids follow:

Kratz & McCelland	$1289.96
Carl F. Nod	1371.18
Union Steam Pump Co	1375.00
Woodin & Little	1383.74
Dayton Dowd Co	1390.10
Western Engineering Co	1404.90
Ingersoll Rand Co	1458.20
American Well Works	1458.20
United Iron Works	1492.80
Byron Jackson	1494.20
Worthington Pump Co	1512.20
Harron, Rickard & McCone	1522.00
De Laval Steam Turbine Co.	1523.60
Allis Chalmers	1532.00
Fairbanks Morse	1555.54

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO — Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1247, for furnishing:

(1) Ambulance body for emergency hospitals;
(2) Auto truck body for Laguna Honda Home;
(3) Auto truck body for Hassler Home.

Gillig Bros., (1) $1530; (2) $321; (3) $363.

Neumiller's, (1) $1350; (2) $260; (3) $260.

Karl Koefoed Body Co., (1) $1150; (2) $340; (3) $365.

Wm. P. Gibson Co., (1) $1650; (2) $259; (3) $259.

All bids held under advisement.

BIDS OPENED

LOS ANGELES, Calif. — Following firms submitted identical bids to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, for furnishing four outdoor type, 138,000-volt, current transformers, Spec. No. 1461: General Electric Corp., Westinghouse Electric. & Mfg. Corp., Allis-Chalmers Company.

The bids were: (a) fob bidder's shippoing point, $9,979; (b) fob Los Angeles, $10,545; (c) fob bidder's shipping point full freight allowed to Los Angeles, $10,545. All bids were net.

BIDS OPENED

SAN FRANCISCO—Wallace & Tiernan Co., 171 Second St., San Francisco, at $971 submitted low bid to T. A. Brook, Purchaser of Supplies, City Hall, under Bid No. 1249, for furnishing 2 4000-lb. capacity dial type platform scales with automatic recording devices.

Toledo Scale Co., at $1116.60 submitted the only other bid.

Bids held under advisement.

BIDS OPENED

SALINAS, Monterey Co., Cal.—Identical bids at $1,187, 2% 30 days, received by the State Bureau of Purchases, Sacramento, for furnishing one road grader fob Salinas under Quotation 4430; Req. 9098, from the following:

J. D. Adams Co., Jenison Mchy. Co., Austin-Western Road Machinery Co., and the Midland Tractor Co.

Bids held under advisement.

26— RAILROADS

BIDS OPENED

PORTLAND, Ore. — Following bids received by the U. S. Engineer Office, Portland, under Bid No. 35-60, for furnishing steel rails, angle bars, and compromise joints:

R. W. Gates, $16,179.50 (second-hand steel).

Colorado Fuel & Iron Co., $25,605.68.

Columbia Steel Co., $26,867.91.

Bethlehem Steel Co., $26,555.90.

All bids held under advisement.

BIDS WANTED

MADERA, Madera Co., Calif.—Until Sept. 4, 7 P. M., bids will be received by the Madera City Council, James Wakefield, City Clerk, for furnishing one 750-gal. pumping engine and hose car with water tank equipment.

Plans and specifications obtainable from the above office.

BIDS WANTED

SAN FRANCISCO—Until Sept. 5, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the reconstruction of the Market Street tracks between Geary and Sutter Sts.

The work involves:

(1) 20,000 sq. ft. removing pavement;
(2) 2 installing and removing temporary crossovers;
(3) 2,230 ft. removing existing rail, ties and fastenings, and hauling the material to the Municipal pipe yard, single track;
(4) 850 c.y. excavation below pave.;
(5) installing drainage system (lump sum);
(6) 650 c.y. furnishing crushed rock ballast;
(7) 2,230 ft. constructing girder rail track, including hauling materials, but exclusive of excavation paving & bonding, single track;
(8) 20,000 sq. ft. asphaltic pavement on concrete base;
(9) 4,000 sq. ft. asphaltic conform pavement, consisting of asphaltic concrete wearing surf., including removal of existing asph. surface;
(10) 1,500 sq. ft. concrete base for asphalt. conform pave., including removal of existing base;
(11) 2,230 ft. concrete stringer, single track.

Municipal Railway Contract No. 165. Plans and specifications obtainable at Room 609, S. F. Water Dept. Bldg., 425 Mason St., upon deposit of $10.00. Paul J. Ost, Chief Electrical Engineer.

BIDS WANTED

BONNEVILLE, Oregon—Until August, 31, bids will be received by the U. S. Engineer Office, Customhouse, Portland, Major Charles Williams, District Engineer, for the preparation of the right-of-way for relocating about 9000 ft. of the O. W. R. R. & N. Railway in the Columbia River gorge near Bonneville Dam.

The work will include construction of a 600 ft. tunnel through Tooth Rock; a camp for employees; 165,000 cu. yds. of excavation, and 10,250,000 cu. yds. riprap. Estimated cost $1,-000,000.

Plans and specifications obtainable from the above office.

APPLICATIONS APPROVED

ALAMEDA COUNTY, Cal. — The State Railroad Commission has approved applications filed by the State Department of Public Works for grade separations as approaches to the San Francisco-Oakland Bay Bridge, as follows:

OAKLAND — Overhead structure over the tracks of the Key System on Louise Street.

BERKELEY — Underpass beneath tracks of the Southern Pacific Co., midway between the westerly ends of Folger Ave. and Murray St., known as the Ashby Avenue crossing.

EMERYVILLE—Overhead crossing over the tracks of the S. P., Key System, and the Atchison, Topeka & Santa Fe Railway Co., near the intersection of Yerba Buena Ave. and Beach streets.

27—FIRE ALARM SYSTEM

BIDS WANTED

MERCED, Cal.—Until August 20, 8 P. M., bids will be received by the Merced City Council for a fire alarm system consisting of an automatic compressed air signal to replace the present Bell system.

Estimated cost $2200.

Specifications obtainable from City Engineer G. E. Winton. W. T. Clough, City Clerk. *

28—FIRE EQUIPMENT

TO ASK BIDS

MADERA, Madera Co., Cal—Madera City Council has adopted specifications for a fire truck to be purchased with proceeds of a $9000 bond issue. Bids will be taken shortly.

30—RESERVOIRS & DAMS

PREPARING PLANS

LOS ANGELES, Cal.—E. C. Eaton, Los Angeles County Flood Control Engineer, 205 S. Broadway, is preparing plans for twelve debris basins and 25.5 miles of flood control channels, to be constructed in the La Crescenta, La Canada, Haines Canyon and Glendale areas. The estimated cost includes right-of-ways, $250,000, and plans, specifications and construction work, $4,000,000.

August 10, 1934

CONTRACT AWARDED

FORT PECK, Mont.—Frazier-Davis Const. Co., and G. L. Tarlton, 1319 Macklind Ave., St. Louis, Mo., at $2,157,840 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for the construction of a steel sheet pile cut-off wall for the Fort Peck Dam.

BIDS WANTED

SACRAMENTO, Cal.—Until August 31, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. C. Drinkwater, District Engineer, Room 203, Post Office Bldg., Sacramento, under Spec. No. 6417, for the construction of the Butte Slough culvert type outfall gates, for the passage of flood waters from Butte Basin to the Sacramento River. Seven of the pipes are to be located in Butte Slough about 3.75 mi. downstream from Colusa, and one pipe will be placed in a small drainage ditch about 0.5 mi. upstream from the junction of Butte Slough and Sacramento River, near "Jap Camp." The work involves:

1) 55,000 cu. yds. common excav.;
2) 5200 cu. yds. borrow;
3) 600 lin. ft.fl piling, round timber
4) 7700 FBM timber and lumber;
5) 1750 lin. ft. 66-in. pipe;
6) 178 lin. ft. 78-in. pipe;
7) 7 each intake gates, complete;
8) 7 each 66-in. automatic drainage gates;
9) 1 each 78-in. automatic drainage gates;
10) 2350 lbs. structural steel;
11) 485 cu. yds. gravel;
12) 1810 cu. yds. cobblestones.

(Contingent Item) 8000 sq. ft. sheet steel piling.

Plans and specifications obtainable from the above office and on file at the office of the Division Engineer, South Pacific Division, 414 Custom-house, San Francisco.

BIDS WANTED

OGDEN, Utah—Until September 5 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Ogden, Utah, under Spec. No. 584, for the construction of the Pine View Dam and appurtenant works, Ogden River Project, Utah. The work involves:

(1) 313,500 cu. yds. of all classes of open-cut excav. for dam;
(2) 5000 cu. yds. of outlet tunnel excavation;
(3) 170,000 cu. yds. of earth fill in dam embankment;
(4) 66,800 cu. yds. of rock fill in downstream portion of dam;
(5) 5600 cu. yds. of gravel sluiced into rock fill;
(6) 9000 cu. yds. of riprap on upstream slope of dam;
(7) 17,000 lin. ft. of trench excavation for water pipes;
(8) 250,000 cu. yds. of all classes of open-cut excav. for highways;
(9) 663,000 sta. cu. yds. of over haul on highway excavation;
(10) 5550 cu. yds. excav. in highway tunnel;
(11) 1900 cu. yds. of concrete in outlet tunnel and shaft;
(12) 3800 cu. yds. concrete in other part of dam,
(13) 60 cu. yds. concrete in water system structures;
(14) 240 cu. yds. concrete in highway tunnel;
(15) 1025 cu. yds. concrete in highway structures;
(16) 250 cu. yds. rubble concrete pav.
(17) 750 cu. yds. dry-rock paving;
(18) 1010 cu. yds. of rubble masonry;
(19) 1500 cu. ft. pressure grouting;
(20) Placing 480,000 lbs. of reinforcement bars;
(21) Drilling 2100 lin. ft. grout holes;
(22) Drilling 4450 lin. ft. weep holes and holes for anchor bars;
(23) Constr. 3880 lin. ft. clay pipe drains;
(24) Driving 473,000 lbs. steel sheet-piling;
(25) Furnishing and installing 17,400 lbs. of steel tunnel liner plates;
(26) Furnish and insttall 430 MFBM permanent sheeting in pipe trenches;
(27) Erecting 80 MFBM permanent timbering in highway tunnel;
(28) Install 642,000 lbs. of metal work;
(2) Install 12,685 lin. ft. 8-inch to 38-in. water pipes,
(30) Install 1667 lin. ft. 36-in. to 75-in. continuous wood-stave pipe;
(31) Install 2017 lin. ft. 18-in. to 60-in. corugated metal pipes,
(32) Install 2500 lin. ft. electric metal conduit;
(33) Placing 20,700 tons highway surfacing materials;
(34) Apply 254 000 gals. water sprinkling highways;
(35) Apply 32,200 gals. bituminous prime and seal coats;
(36) Construct 9800 lin. ft. highway timber guard rail;
(37) Construct 4.2 miles of right-of-way fence.

Copies of plans and specifications may be obtained at offices of the Bureau of Reclamation at Ogden, Utah; Denver, Colo., or Washington, D. C., at a charge of $5, not returnable.

BIDS OPENED

BONNEVILLE, Ore.—Cannon Bros., 222 Pannes Ave., Compton, at $7,000 submitted low bid to the U. S. Engineer Office, Portland, under Bid No. 35-71, for the exploration drilling of about 38 holes at the Bonneville Power-Navigation Project, Columbia river.

Complete bids follow:

Cannon Bros., Compton	$ 7,000.00
Lynch Bros., Seattle	8,850.00
R. S. McClintock, Spokane	8,880.00
Diamond Drill Contr. Co., Spokane	11,112.50
E. J. Longyear Co., Minneapolis, Minn.	30,550.00
Engineer's estimate	14,941.00

31—PIPE LINES & WELLS

BIDS WANTED

OGDEN, Utah.—Until Sept. 4, 2 P. M., bids will be received by the U. S. Bureau of Reclamation, Ogden, for furnishing and delivering foh cars at factory shipping point or at Ogden, 72- and 60-in. diameter welded plate-steel penstock and outlet pipes for outlet works at Pine View Dam, and 38-in. diameter welded plate-steel pipe and appurtenant parts, 8- 12- 16- and 20-inch diameter collecting piping, and steel pipe and fittings for Ogden City water supply system in the Pine View Reservoir.

Specifications obtainable from Bureau of Reclamation, Denver, Colo., or Washington, D. C., without charge to prospective bona fide bidders; to others, $1 not returnable. Spec. No. 585.

TO ASK BIDS SHORTLY

KERN AND SAN LUIS OBISPO Counties, Cal.—Bids will be invited about August 16 by the Standard Oil Co. of Calif., 225 Bush St., San Francisco, H. H. Hall, Chief Engineer, for construction of a 12-inch welded steel pipe line between Rio Bravo, Kern County, and Estero Bay, San Luis Obispo County. Contractors will be allowed about ten days to figure the work. The contract will include stringing pipe, ditching, welding and backfilling. Pipe will be furnished by the company. *

BIDS WANTED

SAN FRANCISCO—Until August 21 bids are being received by the Standard Oil Co. of California, 225 Bush St., San Francisco, H. H. Hall, Chief Engineer, for taking up approximately 108 miles of 12-in. steel pipe on the Bakersfield-Richmond pipe line. Work to be contracted includes uncovering, cutting into 20- or 40-foot lengths, removing protective treatment and hauling to Kettleman Hills reclamation plant.

Pipe will be used in construction of new pipe line from Rio Bravo to Estero Bay in Kern and San Luis Obispo Counties. *

CONTRACT AWARDED

SAN FRANCISCO. — Sibley Grading & Teaming Co., Ltd., 165 Landers St., at $53,503 awarded contract by the Public Utilities Commission, City Hall for the laying of the University Mound Pipe Line Extension on Potrero Ave. from 25th to Brannan St., under Spec. No. W. D. 62.

32— SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT AWARDED

LOS ANGELES, Cal. — Artukovicn Bros., 912 S. Atlantic Blvd., Hynes, and Bebek & Brkich, 421 N. Record St., Los Angeles, awarded contract by the Directors of County Sanitation District No. 1, August 8, at $128,730.25 (subject to approval by the PWA) for the construction of a portion of the Hooper Avenue-Compton Creek Trunk sewer. Complete bids follow:

Artukovich Bros. and Bebek & Brkich*	$128,730.25
Gogo & Rados	133,728.16
Kemper Constr. Co.*	142,171.18
Drainage Constr. Co.**	147,740.55
United Conc. Pipe Constr.	147,793.20
Mlagenovich & Gillespie and R. A. Wattson*	168,317.30
V. C. K. Constr. Co.*	197,177.50

*Bidder stipulates that contract is to be awarded within 35 days and reserves the option to withdraw offer after 35 days.

**Bidder stipulates that work is to start by September 1, 1934.

August 13, 1934

BIDS WANTED

SONOMA, Cal.— Until August 29, 6 P. M., (to be opened at 8 P. M.), bids will be received by the Sonoma City Council, W. H. Gottenberg, City Clerk, City Hall, for (1) furnishing all vitrified pipe and fittings, and (2) furnishing all labor, transportation, and services; and all material not included in item (1); for the construction of out-fall sewer located near Sonoma.

Plans and specifications obtainable from the City Engineer at a charge of $3.

The PWA has granted $4200 to aid in financing. Haywood McDonald, Sonoma, Engineer.

TO APPOINT INSPECTOR

SAN FRANCISCO—Appointment of R. H. Rawson, consulting timber engineer, Yeon Bldg., Portland, Oregon, to inspect piling for use in sewer construction under San Francisco PWA program is recommeded to Board of Public Works by City Engineer John J. Casey. Mr. Rawson was employed by the city as inspector for piling used in construction of Third Street bridge. Inspection fee will be 30 cents per 100 lineal feet for Columbia river and Puget Sound points and 35 cents per 100 feet for Marshfield, Oregon.

BIDS WANTED

SAN FRANCISCO—The Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Hemlock St., between Laguna Street and the westerly termination of Hemlock St. The work involves:

(1) 40 cu. yds. grading (excav.);
(2) 237 lin. ft. 10-in. vitrified clay pipe sewer, in place;
(3) 8 10-in. x 6-in. wye branches, in place;
(4) 2 brick manholes, complete;
(5) 1 brick catchbasin, complete;
(6) 60 lin. ft. 6-in. vitrified clay pipe side sewer;
(7) 188 lin. ft. armored concrete curb
(8) 2062 sq. ft. asphalt concrete pavement, consisting of a 6-in. Class F conc. base and a 2-in. asph. coc. wearing surface;
(9) 250 sq. ft. remove pavement over sewer and replace with asphaltic concrete pavement consisting of a 6-in. asphaltic concrete base and 2-in. asphaltic concrete wearing surface.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10. Estimated cost, $1625.

BIDS WANTED

SAN FRANCISCO — The Department of Public Works, S. J. Hester, Chief Deupty Director, plans to improve (expediency) Kramer Place, between Greenwich Street and the southerly termination of Kramer Place and of Pardee Alley, between Kramer Place and Grant Ave. The work involves:

(1) 30 cu. yds. sand fill;
(2) 75 lin. ft. 8-in. vitrified clay pipe sewer in place;
(3) 8 lin. ft. 10-in. do culvert in place;
(4) 9 8-in. x 6-in. wye branches in place;
(5) 2 brick manholes, complete;
(6) 45 lin. ft. 6-in. vitrified clay pipe side sewers, in place;
(7) 1 brick catchbasin, complete;
(8) 296 lin. ft. armored conc. curb;
(9) 1200 lbs. bar reinf. steel in stairs and wall;
(11) 50 lin. ft. 1½-in. standard 3-pipe railing including 10 concrete posts;
(12) 1500 sq. ft. one-course concrete sidewalk;
(13) 1400 sq. ft. 6-in. Class B conc. pavement.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10. Estimated cost, $1920.

33— WATER WORKS

BIDS WANTED

PORTERVILLE, Cal.—Until August 22, 8 P. M., bids will be received by the Porterville City Council, F. M. Pfrimmer, City Manager, for furnishing and installing a complete pumping unit for the Orange Street Well.

Specifications obtainable from the above office.

BOND ELECTION

EUREKA, Humboldt Co., Cal.—The Eureka City Council has set August 31 as the date for a special election to vote on the $959,000 bond issue to secure a PWA loan and grant to finance construction of a new water system, including a dam on the Mad River, a tunnel, reservoir, and pipe line.

The PWA has granted $318,000 toward the project.

Clyde C. Kennedy, Call Bldg., San Francisco, consulting engineer.

BIDS OPENED

SANTA BARBARA, Cal.—Following bids received by the Santa Barbara City Council August 9 for furnishing water purification equipment, including chlorinators, ammoniator and 3 recording "loss of weight scales". Bids were taken as follows:

(1) Mission Reservoir·
(2) Sheffield Reservoir;
(3) Botkin Reservoir;
(4) Recording Scale.

Pardee Engr. Co., (1) $1400; (2a) $1400; (2b) $550; (2c) $...; (3a) $2000; (3b) $....; (3c) $1050; (4a) $420; (4b) $144.

Wallace & Tiernan Sales Corp. (1) $1300; (2a) $1300; (2b) $650; (2c) $865; (3a) $1125; (3b) $150; (3c) $....; (4a) $1000; (4b) $450.

R. W. Sparking, (1) $480; (2a) $480; (2b) $480; (2c) $760; (3a) $765; (3b) $480; (3c) $285; (4a) $720; (4b) $240.

Toledo Scale Co., (4a) $1780; (4b) $890.

Bids held under advisement. V. E. Trace, water superintendent.

CONTRACT AWARDED

LOS ANGELES, Cal.—Smith Booth Usher Co., 2001 Santa Fe Ave., at $991 awarded contract by A. J. Holm, Los Angeles City Purchasing Agent, for furnishing and installing direct connected centrifugal pump with 50-h.p., 3-phase, 440-volt electric motor to supply water for 300,000-gallon capacity irrigating system at Griffith Park under Bid No. 370

CONTRACT AWARDED

LOS ANGELES, Cal.—Southern Pipe & Casing Co., Bonita Ave., Azusa, at $7,644, including sales tax, submitted low bid and awarded contract by Saul A. Joseph, purchasing agent Metropolitan Water District, Los Angeles, August 10, for furnishing 10,000 l.f. 22-in. I. D. pipe line, fabricated from 14-gauge black sheet steel, fob delivered Indio, under Bid No. 26746.

The other bids were:

American Pipe & Sales Co., $7,630, plus sales tax, or total of $7,820.

Consolidated Steel Corp., $7,790, plus sales tax, total $7,984.75.

Southwest Welding & Mfg. Co., $8,400, plus sales tax, total $8,610.

West Coast Pipe & Steel Co., $8,509, plus sales tax, total, $8,712.50.

Western Pipe & Steel Co., $8,900, plus sales tax, total, $9,122.50.

BIDS WANTED

PHOENIX, Arizona—Until August 27, 10 A. M., bids will be received by the City Manager, W. C. Lefebvre, Phoenix, for the construction of extensions to the city water system in the suburban section of the city, in accordance with plans and specifications prepared by the City Engineer, and which may be obtained from his office upon payment of $5 for each copy of the specifications and $30 for each copy of the plans. There will be no refunds. The proposed work will involve:

(1) 59 ft. 24-in. cast iron pipe.
(2) 43 ft. 18-in. do;
(3) 5286 ft. 10-in. do;
(4) 15,906 ft. 8-in. do;
(5) 38,321 ft. 6-in. do;
(6) 13,226 ft. 4-in. do;
(7) 500 ft. 2-in. do;
(8) 476 ft. 2½-in. do;
(9) 48,234 lbs. cast iron fittings;
(10) 1 24-in. C. I. gate valve, complete with hub ends and boxes;
(11) 1 18-in. C. I. gate valve, do;
(12) 4 10-in. C. I. gate valves, do;
(13) 16 8-in. C. I. gate valves, do;
(14) 37 6-in. C. I. gate valves, do;
(15) 10 2-in. C. I. gate valves, do;

Funds for the project will be furnished by the government under a PWA allocation of $250,000. A bond issue was voted last December to refinance the loan of $200,000; the $50,000 being a grant.

CONTEMPLATED

LOS ANGELES, Cal.—A. B. Prior, member of the Board of Water and Power Commission, has announced that work involving the expenditure of more than half a million dollars for betterments and extensions of the city's water and power systems will start this month. Improvements on the water system to cost $116,962, include distribution mains, $30,000; major trunk lines, $30,000; service installations and replacements, $30,000; automotive equipment, $99,800, and miscellaneous items, $17,162. The improvements on the electric system include an electric distribution station and equipment to cost $133,000; additions and betterments to existing stations, $152,000; improvements to the 33,000-volt overhead system, $10,000; overhead low voltage system, $60,000; underground low voltage system, $45,000; replacements of oil circuit breakers at industrial stations, $39,000.

CONTRACT AWARDED

SAN FRANCISCO. — Lowrie Paving Co., 1540 16th St., at $33,972.20 awarded contract by the Public Utilities Commission, City Hall, for laying cast iron mains, together with necessary cast iron fittings, in the area from Egbert St. to Sunnydale Avenue, and from Elliott St. to Griffith Ave., under Spec. No. W. D. 49.

CONTRACT AWARDED

SAN FRANCISCO. — Lowrie Paving Co., 1540 16th St., at $37,331.10 awarded contract by the Public Utilities Commission, City Hall, for the laying of 6-in and 8-in. cast iron mains, together with necessary fittings, in the area from 8th Ave. to 25 Ave., and from Fulton St. to Lake St., under Spec. No. W. D. 48.

CONTEMPLATED

TORRANCE, Cal.—The offer of the City of Torrance to purchase the existing water system of the Torrance Water, Light & Power Co., for a price of $137,000, has been tentatively accepted by the Associated Public Utilities Corp. of Columbus, Ohio, holding company for the local water company. The agreement provides thirty days for official acceptance by the corporation. A bond issue of $400,000 to finance construction of a new system was voted in 1930 but litigation has delayed the sale of the bonds and negotiations for the ac-

quisition of the existing system have been in progress for several years. Bids for the sale of a $200,000 block of the bonds will be opened probably within the next six weeks. The residue of this issue, after the purchase of the utility company system, will be used to develop wells and storage facilities. This will be followed by the further ale of bonds, the funds of which will be used to modernize the present distribution system through the elimination of "dead-ends," replacement of some old riveted steel lines, and the installation of a covered reservoir, elevated tanks and pumping equipment. Proposed new construction includes:

Reinforced concrete reservoir, 291x 167 ft., 20 ft. deep with wooden roof; 5,000,000 gallon capacity, $56,000.

Elevated steel pressure tank of 250,000 gallon capacity, with steel tower, 150 ft. in height, $22,000.

Three 16-in. diameter wells, 600 ft. deep, with pump, $14,000.

Aeration plant, 18x30 ft., one-story, and purification plant to be equipped with chlorinating and ammoniating equipment.

Frank B. Leonard is the City Engineer; Salisbury, Bradshaw & Taylor, W. Tenth St., Los Angeles, are the consulting engineers.

BIDS WANTED

STOCKTON, Cal. — Until August 27, bids will be received by the Stockton City Council for installation of a new pump house and pumping system, and laying of pipe lines in unparked territory at Louis Park.

Estimated cost $6500.

CONTRACT AWARDED

LOS ANGELES, Cal. — Western Pipe & Steel Co., 5717 Santa Fe St., Los Angeles, at $3282 awarded contract by A. J. Holm, Los Angeles City Purchasing Agent, City Hall, for furnishing, fabricating and erecting one 300,000-gallon capacity steel tank at Griffith Park for irrigation system.

34 — PARKS AND PLAYGROUNDS

LANDSCAPING APPROVED

REDDING, Cal. — Shasta County Board of Supervisors has approved plans for landscaping grounds about the new county hospital. Work will be done as a SERA project. Plans were drawn by Architect O. A. Deichmann, 110 Sutter St., San Francisco.

29—STREETS AND HIGHWAYS

BIDS OPENED

SAN BERNARDINO and Riverside Cos., Cal.—George Gardner & Sons, 445 E. Cypress Ave., Redlands, at $9,965.90 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, for 12.3 mi. of existing roadbed shoulders to be treated with fuel oil in San Bernardino and Riverside Counties, between Calimesa and Banning.

The work requires:

(1) 4800 barrels of oil;
(2) 100,700 sq. yds. roadway, mixing and shaping;

Complete bids follow:

George Gardner & Sons, Redlands, (1) $1.30; (2) $3.70; (total) $9,965.90.

Sunset Decomposed Granite Company, Hollywood, (1) $1.37; (2) $4.24; (total) $10,845.68.

Gogo & Rados, Los Angeles, (1) $1.37 (2) $4.30; (total) $10,906.10.

Dimmitt & Taylor, Los Angeles, (1) $1.48; (2) $4.38; (total) $11,514.66.

George Herz & Co., San Bernardino, (1) $1.50; (2) $4.03; (total) $11,530.10.

Matich Bros., Elsinore, (1) $1.39; (2) $5.50; (total) $12,210.50.

BIDS OPENED

PASADENA, Cal.—Ansco Const. Co. Inc., 3608 Atlantic Ave., Long Beach, at $5,832.90 submitted low bid to the Pasadena City Directors August 13, for the improvement of Colorado St. from Marengo Ave. to Broadway. The work will be financed by state funds.

Complete bids follow:

Ansco Const. Co., Long Beach	$5,832.90
Osborn Co., Pasadena	6,939.90
Griffith Co., Los Angeles	6,949.30
Koopman-Wright Co., Alhambra	7,230.70
W. E. Hall Co., Los Angeles	7,896.00
Mlagenovich & Gillespie, L. A.	9,042.20

Bids referred to Harvey Hincks, city engineer. 9

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until Sept. 6, 2 P. M., bids will be received by the State Highway Engineer State Bldg., Los Angeles, for grading and paving with Portland cement concrete or asphalt concrete and Portland cement concrete about 0.3 mile for approaches to Alhambra Wash bridges, and constructing two bridges.

The work involves:

(1) 17 stations clearing and grubbing right of way;
(2) 4,800 c.y. rdwy. excav., unclass.;
(3) 150 sta. yds. overhaul;
(4) 1,200 c.y. imported borrow;
(5) 3,550 c.y. structure excavation;
(6) 5,600 sq. yds. subgrade for pave.;
(7) 480 c.y. Class A Portland cement concrete (pavement);
(8) 225 c.y. Class A do (curbs, gutters, and sidewalks);
(9) 20 c.y. Class A do (structures);
(10) 13,800 lbs. bar reinf. steel (pavement and structures);
(11) 1,550 lbs. misc. iron and steel structures;
(12) 78 l.f. 18-in. CMP;
(13) 60 l.f. 24-in. CMP;
(14) 78 l.f. 30-in. CMP;
(15) 312 l.f. 48-in. CMP;
(16) 670 c.y. removing and disposing of concrete;
(17) 120 M. gals. water;
(18) 210 bbls. heavy fuel oil shoulders;
(19) 4,350 sq. yds. prepare, mix and shape shoulders, oil treatment;
(20) 17 stations finishing roadway;
(21) 1,410 l.f. furnishing steel piles, including test piles;
(22) 47 each driving do;
(23) 33 MFBM treated Douglas fir timber;
(24) 1,100 c.y. Class A Portland cement concrete (bridges);
(25) 11.5 c.y. Class A do (railing);
(26) 269,000 lbs. bar reinforcing steel (bridges);
(27) removing and disposing of temporary bridge;
(28) 1 lot misc. items of work (bridge details).

ALTERNATIVE A

(29) 1,370 tons asphalt conc. pave.;

ALTERNATIVE B

(30) 610 c.y. Class A Portland cement concrete pavement;
(31) 17,000 lbs. bar reinf. steel pave.

NOTE: Alternative item A sets forth the necessary item for paving from Station 3 plus 50 to Station 9 plus 80 and from Station 10 plus 20 to Station 12 plus 00 on Route 168 with asphalt concrete. Alternative B sets forth the necessary items for paving the same portions with Portland cement concrete.

The contract may be awarded on the basis of paving the said portions with either asphalt concrete or Portland cement concrete at the option of the Department of Public Works.

The State will furnish corrugated metal pipe as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Bldg., Sacramento, and on file at the offices of the District Engineer in San Francisco and Los Angeles.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until August 27, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, Count Courthouse, San Jose, for the improvement of Junipero Serra Blvd. from the San Mateo County Line to Mill Page Road, in Supervisor District No. 5.

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.

BIDS WANTED

MONO COUNTY, Cal.—Until Aug. 30, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. W. Lowden, District Engineer, Bishop, for highway construction in Mono County, between Whiskey Canyon and Yerby's about 1.2 mi. in length, to be graded and surfaced with selected material.

Plans and specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO, Cal.—Until August 23, between 4 and 5 P. M., (to be opened at 8:15 P. M.), as previously reported, bids will be received by the Sacramento City Council, H. G. Denton, City Clerk, for the improvement of the easterly one-half of Land Park Drive, from the center line of Vallejo Way to a point 803 ft. southerly therefrom; and Vallejo Way from the easterly line of Land Park Drive to a point 123 ft. west of 17th St. The work involves:

(1) 1 cast iron gutter drain installed, complete;
(2) 3 cast iron gutter drains, reset;
(3) 1557 lin. ft. concrete curb and gutter, combined, constructed and put in place;
(4) 6445 sq. ft. concrete sidewalk, 3½-in.
(5) 1307 cu. yds. excavation (grading);
(6) 4 cu. yds. fill (grading);
(7) 65 lin. ft. 6-in. vitrified iron stone sewer pipe;
(8) 31,648 sq. ft. asphalt concrete, 3-in. thick (pouring on cement gravel surface 4-in. thick, put in place with seal coat);
(9) 1 electric street lighting system, complete.

Plans and specifications obtainable from above office.

AWARD RECOMMENDED

GLENDALE, Los Angeles Co., Cal. —J. C. Albers, City Engineer, has recommended to the City Council that the contract for improving Verdugo Road from La Crescenta to the north city limits be awarded to the Southwest Paving Co., 712 Lankershim Bldg. Los Angeles, at $33,324.42.

Complete bids published August 9.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening in Sacramento Aug. 29, and in Los Angeles Aug. 30.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be

furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised:

VIII-Riv-19-D, 1½ miles north of Modeno to 2½ miles west of Beaumont (bid opening in Los Angeles). Plans: 19 sheets, cost, $1.90; Cross-Sections: 283 sheets, cost, $28.30. Total $30.20.

X - Mer - 52 - C across Santa Rita Slough (bid opening in Sacramento). Plans: 7 sheets, cost, $0.70; Cross-Sections, 25 sheets, cost, $2.50. Total, $3.20.

Checks for the above should be made payable to the Department of Public Works, Division of Highways and should acompany the order to the State Highway Engineer, P. O. Box 1499, Sacramento.

BIDS OPENED

WHITMAN COUNTY, Wash.—Fred Rardin, 2515 E. Olive Way, Seattle, at $17,899, submitted low hid to the Washington State Highway Directors Olympna, August 7, for paving with Portland cement concrete about 0.2 mile on Idaho Street on the State College of Washington campus at Pullman, Whitman County, F. P. W. Project 1358.

Norris Bros., Burlington, at $18,-232 submitted the only other bid.

Bids held under advisement.

NOTICE TO BIDDERS

SAN DIEGO COUNTY, Cal.—Representative of the District Office will accompany prospective bidders over the proposed project in San Diego County, between Market Street and Broadway in the City of San Diego, Road XI-S.D-2-S.D., for which bids are to be received August 23, 1934, in Los Angeles.

Said representative will meet prospective bidders in the district office, 310 Union Bldg., San Diego, on Friday, August 10 and Friday August 17 at 10 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates. *

BIDS WANTED

MONTEREY COUNTY, Cal.—Until August 21, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for .31 miles surfacing with oil treated screened gravel in Monterey County, between Big Sur and 1.6 mi. south of Molera's Ranch.

Plans and specifications obtainable from the above office. *

BIDS WANTED

BUTTE & PLUMAS COS., Calif.—Until August 28, 2 P. M., bids will be received by Department of Public Works, Division of Highways, F. W. Haselwood, Dist. Engineer, Redding, for 12 miles of fuel oil treatment in Butte and Plumas counties between West Branch and Jarboe Pass and between Belden and 1.75 miles east of Rich, District II, Route 21, Sections B, C, A, B.

The work requires 1,680 barrels of fuel oil.

Plans and specifications obtainable from the above office.

BIDS WANTED

LINN COUNTY, Ore.—Until August 23, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, for 6.337 miles of the North Santiam Completion Clearing, Project E-24-F, National Forest Road Project, located within the Willamette National Forest, Linn County, Oregon. Lump sum bids will be taken. Plans and specifications obtainable from the above office upon deposit of $10.00.

AWARD

MOHAVE COUNTY, Ariz.—All-Arizona Engineering & Construction Co., Clifton, Arizona, at $51,175.30 awarded contract by the U. S. Bureau of Public Roads, 461 Market St., San Francisco, for grading 3.537 miles of Section C of Federal Lands Highway Project No. 2, Kingman-Boulder Dam Highway, Mohave County.

August 14, 1934

CONTRACT AWARDED

MARIN COUNTY, Cal.—E. A. Forde 640 Redhill Ave., San Anselmo, at $4,-405 submitted low bid and awarded contract by the Marin County Board of Supervisors, San Rafael, for 3.6 mi of asphaltic road mix treatment on the San Geronimo-Nicasio Road from San Geronimo northerly.

Bids were taken as follows:

(1) 175 tons cut-back asphalt (bituminous treated surface);
(2) 3.6 miles scarifying roadbed, mixing cut-back asphalt and mineral aggregate and completing surf.
(3) total.

Complete bids follow:

E. A. Forde, San Anselmo, (1) $19 per ton; (2) $300 per mile; (3) $4,405.

Lee J. Immel, Berkeley, (1) $21; (2) $520; (3) $5,547.

A. G. Raisch, San Francisco, (1) $22; (2) $1200; (3) $8,170.

BIDS OPENED

LOS ANGELES, Calif.—Sully-Miller Contracting Co., 1500 W. 7th Street, Long Beach, submitted low bid to the Los Angeles Harbor Dept., August 8, for paving roadways, shed floors, and wharf decks at Los Angeles Harbor; Spec. No. 931. The bids follow:

Sully - Miller Contr. Co., (1) 3,000 tons asphaltic concrete base material in various thicknesses, $9,840; (2) 3,000 tons asphalt concrete wearing surface. No. 2, $9,840; (3) 500 tons fine sheet asphalt or coarse sheet asphalt wearing surface, $1,700.

Griffith Co., (1) $10,200; (2) $10,200; (3) $1,700.

BIDS WANTED

ORMSBY CO., Nev.—Until August 29, 3:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of an asphaltic roadmix surface on a portion of the state highway system in Ormsby County between the junction with Route 3, south of Carson City and Stewart Indian Schol and within the Indian School grounds, a length of approximately 1.78 miles.

The work involves:

(1) 1.03 miles reshape roadway;
(2) 132 l.f. 18-in. CMP;
(3) 33,016 gals. asphaltic road material Type SC-2;
(4) 1.03 miles roadmix;
(5) 1.03 miles finish roadway;
(6) 7,946 sq. yds. processing.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.-50 returnable.

BIDS WANTED

LYON CO., Nevada.—Until August 29, 2:30 P. M., bids will be received by the Neveda State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Lyon County between two miles east of Silver City and Moundhouse, Route 17, Section A, a length of 3.44 miles.

The work involves:

(1) 39,100 c.y. roadway excavation;
(2) 88,203 sta. yds. overhaul;
(3) 8,868 c.y. select borrow;
(4) 520 c.y. structure excavation;
(5) 3.44 miles subgrade;
(6) 10,900 c.y. crushed gravel or stone surface;
(7) 42 c.y. Class B concrete;
(8) 840 lbs. reinforcing steel;
(9) 778 l.f. 18-in. CMP;
(10) 436 l.f. 24-in. CMP;
(11) 76 l.f. 36-in. CMP;
(12) 11.6 MFBM redwood;
(13) 4.7 MFBM salvaged timber;
(14) lump sum, remove buildings;
(15) 126 each monuments;
(16) 3.44 miles finish roadway;
(17) 35 c.y. cement rubble masonry.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.-50 returnable.

BIDS WANTED

ELKO CO., Nevada.—Until August 29, 3:00 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the state highway system in Elko County within the City of Elko, between Sixth St. and 436 ft. east of 13th St., Route 1, Section A3 and B, a length of 0.57 mile.

The work involves:

(1) 66 l.f. remove culvert pipe;
(2) 2,070 c.y. roadway excavation;
(3) 910 c.y. structure excavation;
(4) 11,100 sq. yds. subgrade for pave.;
(5) 1,995 c.y. cement concrete surf.;
(6) 227 c. y. Class A concrete;
(7) 10 c.y. Class B concrete;
(8) 38,080 lbs. reinf. steel;
(9) 976 l.f. 15-in. vitrified pipe;
(10) 1,170 l.f. 18-in. vitrified pipe;
(11) 3,300 lbs. castings;
(12) 270 c.y. remove concrete;
(13) lump sum, salvaged material.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.-50 returnable.

BIDS WANTED

NYE COUNTY, Nev.—Until August 29, 2:00 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Nye County between the California-Nevada State Line and the junction with Rte. 5, Rate. 29, Section A, a length of 16.61 miles.

The work involves:

(1) 53,600 c.y. roadway excavation;
(2) 61,365 sta. yds. overhaul;
(3) 3,047 c.y. select borrow;
(4) 1,000 c.y. struc. excavation;
(5) 16.61 miles subgrade;
(6) 47,600 c.y. crushed gravel or stone surface;
(7) 90 c.y. Class B concrete;
(8) 2,030 lbs. reinforcing steel;
(9) 1,926 l.f. 18-in. CMP;
(10) 472 l.f. 24-in. CMP;
(11) 270 l.f. 30-in. CMP;
(12) 260 l.f. 36-in CMP;
(13) 52 l.f. 48-in. CMP;
(14) 44 each monuments;
(15) 16.61 miles finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.-50 returnable.

LOW BIDDERS

GLACIER COUNTY, Mont. — E. C. Powell, Missoula, Mont., at $53,807 submitted low bid to the U. S. Bureau of Public Roads, Missolua, for constructing 5.349 miles of the Columbia Falls - Glacier Park completion grading and surfacing Project No. E-13-A1, B1, National Forest Road Proj-

ect, located within the Lewis & Clark National Forest, Glacier County. Morrison-Knudsen Co., Old National Bank Bldg., Spokane, Wash., at $56,307, submitted second low bid

CONTRACT AWARDED

HUMBOLDT COUNTY, Calif.—Mercer-Fraser Co., Second and Commercial Sts., Eureka, at $25,250 (Proposal A) awarded contract by the Superintendent of Lighthouses, Custom House, San Francisco, for construction of four miles of roadway near Petrolia, Humboldt County.

BIDS WANTED

MARIN COUNTY, Cal.—Until Aug. 20, 11 A. M., bids will be received by the Marin County Board of Supervisors, V. M. Rice, County Clerk, Court House, San Rafael, as follows:

Novato streets to be armor coated as follows: DeLong Ave., Reichert Ave. from DeLong to Grant; Scott St., Sherman Ave., Sweetzer Ave., Olive St., East Ave. and Felix Ave.

Novato streets to be treated with road oil as follows: Virginia St., Simmons Lane, Center Road, McClay Avenue, Tamalpais Ave., Hill Road, First Ave., Second Ave., Third Ave., Fourth Ave., Fifth Ave., Sixth Ave., Seventh Ave., Vallejo Ave., Olive St., West St., Vine St., Cherry St., Cherry St. north, Reichert Ave. from DeLong to Lamont Ave., Lamont Ave. and Sutro St.

The work involves:
(1) 138 barrels light oil;
(2) 43 tons heavy oil;
(3) 1175 bbls. heavy fuel oil;
(4) 466 tons rock;
(5) 233 tons screenings;

Specifications obtainable from County Surveyor Rodney Messner, Court House, San Rafael.

BIDS WANTED

SACRAMENTO, Cal.—Until August 23, between 4 and 5 P. M., (to be opened at 8:15 P. M.) bids will be received by the Sacramento City Council, H. G. Denton, City Clerk, for the improvement of the easterly half of Land Park Drive, from the center line of Vallejo Way to a point 803-feet southerly therefrom; and Vallejo Way from the easterly line of Land Park Drive to a point 123-ft. west of 17th Street.

Plans and specifications obtainable from the above office.

BIDS OPENED

SAN DIEGO COUNTY, Cal.—Gilmore Oil Co., 2423 E. 28th St., Vernon, at $6520 submitted low bid to the Department of Public Works, Division of Highways, E. E. Wallace, District Engineer, San Diego, for highway oiling in San Diego County, between Julian and easterly boundary, about 18.1 miles in length, to be treated with fuel oil. The work required 4000 bbls. heavy fuel oil. Complete bids follow:

Gilmore Oil Co., $1.63 per bbl., total, $6520.
Square Oil Company, $1.69; $6760, plus sales tax. (bid irregular).
Lamb's Transfer Co., $1.75; $6960.
Paulsen & March, $1.89; $7560.
Morgan Bros., $2.25; $9000.

BIDS WANTED

APACHE COUNTY, Arizona—Until September 6, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a base course on 4.1 miles of Section B2 of Route 4, Petrified Forest National Monument, Apache County, Arizona. The work involves:
(1) 13,000 tons crushed gravel base course;
(2) 400 tons supplemental crushed gravel;

Plans and specifications obtainable from above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.

CONSTRUCTION PROGRAM

STATE OF OREGON—At a recent meeting in Salem, the Oregon State Highway Commission made its final allocation of federal funds for 1934 made available by the Hayden-Cartwright bill.

The projects involve grading, surfacing, oiling, paving, bridges, and miscellaneous items. Major among the allocations is the $175,000 granted for the improvement of the Wolf Creek Highway to the coast.

Moneys and projects agreed upon are:

Grading and Surfacing

Grading 0.4 miles of Barron Creek-Torrent Creek Section, Pacific Highway, $135,000.

Resurfacing 1.15 mi. of Van Buren and High Streets, Pacific Highway, Eugene, $16,200.

Grading 6.62 mi. of Redmond-Bend Section, unit 4. The Dalles-California Highway, $65,000.

Grading 1.3 mi. of Tunnel-Dixie Section, Old Oregon Trail Highway, $69,993.

Grading west approach to Pendleton, Old Oregon Trail Highway, $35,000.

Grading top 2.28 mi. of Nigger Flat-Stinking Mountain Section, Harney County, Central Oregan Highway, $150,000.

Grading .5 mi. of Neah-Kah-nie Mountain Section, Oregon Coast Highway, $28,567.

Grading 1.2 mi. of Bolon Island Section, Oregon Coast Highway, $67,791.

Grading and surfacing .82 mi. Umpqua bridge approach, Reedsport, $68,800.

Grading .71 mi. of Soda Fork-East Section, Santiam Highway, $53,000.

Grading 2.86 mi. of Klamath Couney Line Section, Willamette Highway, $85,000.

Grading and surfacing north entrance to Lakeview, Fremont Highway, $20,500.

Surfacing 17.3 mi. of Forest Boundary-Long Creek Section, Pendleton John Day Highway, $112,000.

Surfacing .3 mi. of east entrance to Dallas, Salem-Dallas Highway, $5000.

Grading 1.08 mi. of Deadman Creek Smith Creek Section, Wilson River Highway, $42,000.

Surfacing 2.42 mi. of Necanicum Junction-Elsie Section, Wolf Creek Highway, $65,000.

Grading 2.42 mi. of Ranger Station-Elsie Section, Wolf Creek Highway, $110,000.

Grading 6 mi. of Blue Mountain Pass Section I O N Highway, $29,404.

Regrade and surface 2.42 mi. of McNary - Oak Point Section, Independence Highway, $27,411.

Grading 5.28 mi. of Klamath Falls-Midland Section, Midland Highway, $117,000.

Grading and surfacing 6.45 mi. of Yamhill River-Salt Creek Section, Dallas Coast Highway, $90,000.

Grade and surface 3.5 mi. of Dayton-Union Vale Section, Salem-Dayton Highway, $44,000.

Resurfacing Ash Street - Jefferson St., Section, 4th St., Portland, $20,000.

Grade and surface 2 mi. of South Fork of Alsea River-South Section, Alsea-Deadwood Highway, $40,000.

Surfacing 2.4 mi. of Market Road No. 10-West Section, Woodburn-Mount Hood Highway, $10,000.

Surfacing 1.2 mi. of Eagle Creek-Northeast Section, Woodburn-Mount Hood Highway, $5000.

Resurfacing 6.5 mi. of Buxton-Trehorn Section, Nehalem Highway, $25,000.

Grading 1 mi. of Junction-Lighthouse Section, Cape Blanco Highway, $5000.

Grading 1 mi. of McCallister, Unit 2 Section, Little Butte Highway, $5000

Grading and surfacing 1.5 mi. of Eugene Section, Fox Hollow Highway, $15,000.

Grading and surfacing 4 miles of Murphy-Provolt Section, Williams Highway, $20,000.

Grading 4.88 mi. of Deschutes River Agency Plains Section, Warm Springs Highway, $113,311.

Grading and surfacing .83 mi. of Warner Section, Warner Highway, $10,000.

Grading 2.46 mi. of Rock Creek-Chapin Creek Section, Heppner Spray Highway, $40,000.

Grading 5.96 mi. of Hayden Gulch-West Forest boundary section, Little Sheep Creek Highway, $62,000.

Grading 1.3 mi. of Odell Lake-Zone County Line Section, Willamette Highway, $52,000.

Paving

Widening .6 mi. of pavement on Stevens St., Roseburg, Pacific Highway, $30,000.

Widening pavement on .31 mi. in Gold Hill, Pacific Highway, $10,000.

Paving 3.26 mi. of Washington County Line-Portland Section, West Side Pacific Highway, $17,000.

Pavement resurfacing at Baker, Old Oregon Trail Highway, $30,000.

Pavement widening on 1.5 mi. of Smith Point-Youngs Bay Bridge Section, Oregon Coast Highway, $23,000.

Paving .35 mi. of Forest Grove-Long Creek Section, Tualatin Valley Highway, $6000.

Paving .25 mi. of Hillsboro Section, Tualatin Valley Highway, $6000.

Paving .1 mi. of Corvallis Section, Corvillis-Newport Highway, $15,000.

Paving .46 mi. of City of Redmond, The Dalles-California Highway, $37,000.

Grading and Paving

Grading and paving .88 mi. of Cascade Locks Section, Columbia River Highway, $50,000.

Grading and paving .5 mi. of east entrance to Rainier, $20,000.

Grading and paving .5 mi. of west entrance to The Dalles, $91,000.

Grading and paving .25 mi. of Chehalam Creek Section, West Side Pacific Highway, $30,000.

Grading and paving in City of Newberg, West Side Pacific Highway $16,000.

Grading and paving 1.3 mi. of Rex Hill-North Section, West Side Pacific Highway, $70,000.

Grading and paving 1.5 mi. of Clinton St. to Foster Road, 82nd St., Portland, $85,000.

Grading, paving and undercrossing between Schiller St. and Ross Island Road, East Portlad-Oregon City Highway.

Oiling

Bituminous macadam on 64 mi. of Toledo Section, Corvallis - Newport Highway, $9877.

Oiling 7 mi. of Holdman - Meiners ranch section, Pendleton-Cold Springs Highway, $37,655.

Resurfacig and oiling 2 mi. of Vernonio - Pittsburg Section, Nehalem Highway, $18,000.

Bituminous macadam on 3.92 mi. of Empire - Charleston Section, Cape Arago Highway, $33,000.

Bituminous macadam on 4 mi. of Elmira Section, Territorial Road, Lane County, $21,000.

Oiling 1 mi. of Hood River Section, Hood River Highway, $38,000.

Oiling 1.7 mi. between city limits and Pacific Highway on 12th St., Salem, $20,000.

Bridges and Culverts

Bridge over Molalla River near Canby, Pacific Highway, $53,000.

Two bridges on Albany-Tangent Section, Pacific Highway, $16,000.

(Continued on Page 23)

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

PLUMAS COUNTY — GRADING — (GOVT.)

PLUMAS COUNTY, Cal. — Larsen Bros., 5200 21st Ave., Sacramento, at $90,336 submitted low bid, and recommended for award of contract by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 20, the Almanor National Forest Highway, Plumas National Forest, Plumas County, involving:

(1) 29 acres clearing;
(2) 157,000 cu. yds. unclass. excav.;
(3) 1000 cu. yds. unclass. excav. for structures;
(4) 200,000 sta. yds. overhaul;
(5) 16,000 cu. yds. mi. overhaul;
(6) 380 lin. tf. 8-in. perf. C G.M.P. in place;
(7) 6 lin ft. 8-in. asph. dipped C G. M.P. in place;
(8) 558 lin. ft. 18-in. do;
(9) 1202 lin. ft. 24-in. do;
(10) 116 lin. ft. 30-in. do;
(11) 370 lin. ft. 36-in. do;
(12) 60 lin. ft. 48-in 12-gauge do;
(13) 134 lin. ft. 48-in. 8-gauge do;
(14) 1 each Type A spillway inlets;
(15) 4 cu. yds. Class A concrete;
(16) 75 cu. yds. Class B concrete;
(17) 800 lbs. reinforcing steel;
(18) 95 cu. yds. crushed rock or gravel backfill;
(19) 72 each right-of-way monuments
(20) 47 each culvert markers;
(21) Extra work—Removing channel obstructions;
(22) Extra work—Maintenance of rd., detours, etc.

Total bids follow:

(A) Larsen Bros., Sacramento, $90,-336.00.
(B) Young & Son Co., Ltd., Berkeley $94,009.50.
(C) Frank C. Cuffe, San Rafael, $96,992.50.
(D) A. Teichert & Son, Inc., Sacramento, $98,809.00.
(E) Dunn & Baker, Klamath Falls, $103,421.70.
(F) Morrison-Knudsen, Boise, $104,-118.50.
(G) Granfield - Farrar & Carlin, San Francisco, $110,630.30.
(H) Hemstreet & Bell, Marysville, $117,091.30.
(I) Ralph A. Bell, Los Angeles, $118,-422.00.
(J) W. A. Bechtel, San Francisco. $119,185.50.
(K) United Contracting Co., Portland, $127,817.50.
(L) Engineer's Estimate, $105,962.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1)	$500.00	$325.00	$500.00	$300.00	$150.00	$500.00	$500.00	$300.00	$500.00	$600.00	$441.00	$300.00
(2)	.36	.42	.40	.44	.50	.42	.50	.55	.52	.50	.59	.50
(3)	1.00	1.25	1.50	1.50	1.20	1.50	1.00	1.50	1.50	1.50	1.25	1.50
(4)	.01	.015	.01	.02	.02	.02	.01	.02	.02	.015	.03	.01
(5)	.20	.12	.15	.16	.20	.30	.16	.20	.25	.22	.16	.20
(6)	1.00	1.00	1.50	1 25	1.20	1.10	.95	1.25	1.25	1.10	1.00	1.00
(7)	1.00	1.00	2.00	1.25	1.20	1.25	1.10	1.50	1.25	1.10	1.25	.90
(8)	2.00	1.75	2.25	2.00	1.80	2.00	1.75	1.85	2.00	2.35	1.95	1.75
(9)	3.00	2.50	3.00	3.00	2.75	3.00	2.60	2.75	2.75	3.50	2.90	2.75
(10)	4.00	3.25	4.00	3.50	3.60	3.75	3.20	3.50	4.00	4.20	3.45	2.50
(11)	5.50	4.75	5.50	5.25	5.00	5.00	4.90	5.25	5.25	6.15	5.00	4.50
(12)	10.00	7.25	8.00	7.50	7.00	7.00	6.85	7.25	7.00	8.90	6.90	6.50
(13)	10.00	11.50	12.00	10.50	10.00	9.00	9.95	11.00	8.50	12.35	9.50	8.00
(14)	15.00	20.00	20.00	13.50	15.00	15.00	20.00	20.00	15.00	17.00	15.00	20.00
(15)	26.00	28.00	30.00	25.00	25.00	50.00	25.00	40.00	38.00	35.00	26.00	30.00
(16)	25.00	28.00	25.00	25.00	22.00	30.00	25.00	32.00	29.00	34.00	25.00	28.00
(17)	.10	.07	.06	.08	.10	.10	.08	.10	.08	.06	.06	.10
(18)	3.00	5.00	4.00	2.50	3.00	4.00	4.00	3.50	3.50	4.15	4.00	3.50
(19)	3.00	3.00	4.00	3.50	3.50	3.00	3.00	3.50	3.00	3.00	3.50	3.00
(20)	2.00	2.50	3.00	2.50	2.20	2.00	2.50	2.50	2.00	2.25	2.50	2.00
(21)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(22	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00

BIDS OPENED

BERKELEY ,Cal. — Ransome Co., 4030 Hollis St., Emeryville, at $3018.30 submitted low bid to the Berkeley City Council for improvements of Shattuck Ave. and Rose St. crossing. The work involves:

(1) 17,200 sq. ft. grading;
(2) 10 yds. grading below subgrade;
(3) 17,200 sq. ft. crushed rock base, 3-in. thick;
(4)14,900 sq. ft. bituminous surfacing;
(5) 750 lin. ft. conc. curb and 2-ft. gutter;
(6) 400 sq. ft. bituminous re-surf.;
(7) 900 sq. ft. asphalt concrete resurfacing;
(8) 40 lin. ft. 10-in. cast iron pipe;
(9) 40 lin. ft. 12-in. C.I.P. culvert;
(10) 100 sq. ft. sidewalk reconstr.;
(11) 1 existing culvert outlet;
(12) 1 2-culvert inlet;
(13) 1 2-culvert outlet.

Total bids follow:

(A) Ransome Co., Emerville, $3018.30.
(B) W. H. Larson, Berkeley, $3038.50
(C) Lee J. Immel, Berkeley, $3052.10.
(D) Stead Bros., Berkeley, $3055.50.
(E) J. H. Fitzmaurice, Oakland, $3,-426.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)..	$ .04	$ .04	$ .045	$ .03	$ .0525
(2)..	1.00	1.00	1.00	1.50	.50
(3)..	.025	.025	.023	.035	.03
(4)..	.062	.065	.06	.055	.06
(5)..	.88	.80	.75	1.00	.90
(6)..	.05	.05	.06	.06	.06
(7)..	.055	.10	.10	.06	.20
(8)..	1.50	1.35	1.80	1.50	1.50
(9)..	1.65	1.45	2.00	1.75	1.60
(10)..	.16	.17	.20	.15	.20
(11)..	25.00	35.00	30.00	30.00	35.00
(12)..	40.00	36.00	50.00	50.00	25.00
(13)..	30.00	36.00	50.00	50.00	25.00

All bids held under advisement.

BIDS OPENED

KINGS COUNTY, Cal.—J. W. Halterman, Willows, at $21,208.20 submitted low bid to State Highway Commission, Sacramento, for constructing a culvert across Melga Ditch, consisting of two 8-ft. reinforced concrete spans with wing walls; constructing a bridge across Lakeside Canal, consisting of two 31-ft. reinforced concrete spans; and widening the existing bridge across Cross Creek, consisting of six 30-ft. 6-in. reinforced concrete spans, by constructing 8-ft. 9-inch reinforced concrete widening strips at each side and wing walls. The existing structures at Melga Ditch and Lakeside Canal, and the interfering portions of the existing bridge across Cross Creek are to be removed. The work is all located in Kings County.

The work involves:

(1) 880 c.y. structure excavation;
(2) 350 c.y. imported borrow;
(3) 1 lot existing structures, removed
(4) 1 lot existing surfacing, removed
(5) 670 c.y. Class A Portland cement concrete;
(6) 98 c.y. Class F do;
(7) 96,000 lbs. bar reinf. steel;
(8) 664 l.f. timber railing;
(9) 518 l.f. temporary railing;
(10) 1 lot misc. items of work.

Total bids follow:

(A) J. W. Halterman, Willows, $21,-208.20.
(B) Southern California Roads Co., Los Angeles, $22,524.90.
(C) Stroud Bros. & Seabrook, Bakersfield, $23,124.60.
(D) Oscar Oberg, Los Angeles, $24,-762.30.
(E) Ralph A. Bell, L. A., $25,888.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .90	$ 1.10	$ 1.50	$ .75	$ 1.75
(2)	.80	.75	1.50	.50	.50
(3)	1000.00	850.00	910.00	2800.00	2000.00
(4)	120.00	50.00	75.00	150.00	400.00
(5)	18.00	19.30	17.75	20.50	18.00
(6)	15.50	10.80	18.45	13.75	19.00
(7)	.0425	.047	.0425	.043	.05
(8)	1.25	1.25	1.50	1.45	1.00
(9)	.40	1.00	1.00	.50	1.50
(10)	320.00	545.00	1000.00	545.00	1750.00

COMPLETE BID LISTING

SANTA BARBARA COUNTY, Calif. —Theo. M. Maino, 1424 Mill St., San Luis Obispo, at $12,818.20, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for constructing a reinforced concrete bridge in Santa Barbara County over the existing state highway at Las Positas Road at the Santa Barbara city limits, consisting of one 62-foot span and one 22-foot cantilever span.

Complete bids follow:

(A) Theo. M. Maino, San Luis Obispo. $12,818.20.
(B) Oscar Oberg, Los Angeles, $13,-681.85.

(C) D. O. C. Const. Co., Santa Barbara, $13,690.00.
(D) D J. Reed and Joseph Maiser, Los Angeles, $15,530.50.
(E) Louis C. Seidel, Oakland, $15,-777.00.

Unit quantities follow:
(1) 240 c.y. struc. excavation;
(2) 310 c.y. abut. backfill in place;
(3) 395 c.y. Class A Port cement concrete in place;
(4) 61,000 lbs reinf. steel in place,
(5) 238 l.f. pipe handrail in place;
(6) reconstruct existing bridge;
(7) miscellaneous items of work.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$ 1.10	$ .45	$ 1.25	$ 1.50	$ 2.00
(2)....	1.75	.45	.60	.75	2.00
(3)....	16.80	21.95	21.00	27.00	24.00
(5)....	6.15	6.45	5.50	3.50	4.00
(6)....	490.00	295.00	375.00	500.00	1000.00
(7)....	555.00	555.00	175.00	500.00	500.00
(4)....	.047	.039	.05	.04	.045

29—STREETS AND HIGHWAYS

(Continued from Page 21)

Bridge over Chehalem Creek, West Side Pacific Highway, $27,000.

Overcrossing on Washington County Line-Portland Section, West Side Highway, $33,000.

Bridge over Burnt River, Baker County, Old Oregon Trail Highway, $12,000.

Bridge over Burnt River, Baker-Unity Highway, $10,000.

Bridge over Umatilla River at Pendleton, Old Oregon Trail Highway, $30,000.

Bridge over Grande Ronde River at Elgin, Wallowa Lake Highway, $30,-000.

Undercrossing at La Grande, Wallowa Lake Highway, $90,000.

Bridge over Columbia Slough, Vancouver Ave., Portland, $75,000.

Bridge over Milk Creek, Clackamas County, Cascade Highway, $12,000.

Bridge over Rhea Creek, Wasco-Heppner Highway, Morrow County, $8000.

Bridges over Hayden Gulch-West Forest Boundary Section, Little Sheep Creek Highway, $3000.

Bridge over south fork of Yamhill River, Dallas Coast Highway, $20,000.

Crossing Signals

Crossing signal at Saxe Crossing, Oregon-Washington Highway, $2000.

Crossing Signal at Blue Mountain grade crossing, Oregon-Washington Highway, $2000.

Crossig signal at Milton Crossing, Oregon-Washington Highway, $2000.

Crossing Signal at Webb St., Pendleton, Oregon-Washington Highway, $2000.

Crossing signal at Wasco, Sherman Highway, $2000.

Landscaping

Division No. 1—Landscaping, units to be selected, $15,000.

Division No. 2—Landscaping, units to be selected, $6000.

Division No. 3—Landscaping, units to be selected, $5000.

Division No. 4—Landscaping, units to be selected, $6500.

CONSTRUCTION PROGRAM

OREGON, Washington and Montana.—Forest road programs in Oregon, Washington and Montana, totaling $2-563,262, have been outlined in recommendations made to the Bureau of Public Roads by officials of the U. S. Bureau of Public Roads, Forest Service, and the state highway departments.

The projects, which are to be constructed during the fiscal year ending July 1, 1935, are:

OREGON

Grading and Surfacing

Grading and clearing 3.5 miles of Project NR-16-G, Tiller-Trail Highway, $70,000.

Grading and clearing 3.5 miles of Project NR-21-H, Willamette Highway, $190,000.

Grading and clearing, 6.1 miles of Project NR-23-H1, I, Santiam Highway, $130,000.

Grading 4.2 miles of Project NR-24-F1, North Santiam Highway, $50,-000.

Grading 1.5 miles of Project NR-24-F1, North Santiam Highway, $90,-000.

Grading 7.3 miles of Project NR-37-D, Weston-Elgin Highway, $140,-000.

Surfacing with crush. rock or crush. gravel 11.4 miles of Diamond Lake Highway, $115,000.

Oiling

Oil surfacing 6.3 miles of Project NR-6-D4, E6, Alesa Highway, $25,000.

Oil surfacing 19.7 miles of NR-7-C2, D3, E3, F2 and G3, Siuslaw Highway, $80,000.

Oil surfacing on 9 miles of Project NR-21-C1, D3, Willamette Highway.

Surveys

Location surveys on Cascade Lakes Highway, Route 46, North Umpqua Highway, Route 47, Alesa River Highway, Route 6, Warm Springs Highway, Route 42, et al, $30,000.

WASHINGTON

Grading and Surfacing

Grading .5 mile of Project 7-6, South Fork of Stillaguamish Highway, $50,-000.

Grading 1.5 miles of Project 8-A4, Stevens Pass Highway, $130,000.

Grading 1.9 miles of Project 13-P, Randle-Yakima Highway (East) $50,-000.

Grading .4 mile of Project 13-M2, Q, Randle-Yakima Highway (West) $90,000.

Grading .5 mile of Project 18-A3, North Bank Highway, $60,000.

Surfacing 7.5 miles of Republic-Kettle Falls Highway, $45,000.

Surfacing 6.1 miles of Project 28-A1, B1, Loup Loup Highway, $50,000.

Reconstruction and repair on 3.3 mi. of Project 11-A1, Carbon River Highway, $16,000.

Reconstruction and surfacing on 5.4 miles of Project 17-A1, Mt. Adams Highway, $40,000.

Reconstruction of 3.75 miles Project 15-A4, St. Helens Highway, $75,-000.

Drainage on 11.5 miles of Project 23-A4, Lake Chelan Highway, $5,000.

Reconstruction and subgrade reinforcement on 3 miles of Project 30-A4, B1, Wind River Highway, $30,000.

Maintenance, $9,000.

MONTANA

Grading and Surfacing

Grading seven miles of Project 8A, Pleasant Valley, $100,000.

Grading 5.2 miles of Project 6-M1, Clarks Fork Highway, $59,000.

Grading 6 miles of Project NR-19-C, Bitterroot-Salmon Highway, $81,-000.

Grading and surfacing .566 mile of Project 32-A4, Y.G.B. Line Highway, near Neihart, $19,000.

Oiling

Reconstruction of bituminous surfacing on 5.2 miles of Project 8-11, J2, Yellowstone Trail.

Bituminous surfacing on 17.05 miles of Project 8 - A6, M212, Yellowstone Trail, $95,000.

Bituminous surfacing on 19 miles of Project 13-F2, G6, H5, 14, Columbia Falls-Glacier Park, $93,000.

Bituminous surfacing on 4.239 miles of Project 59-A1, Red Lodge Cooke Forest Highway.

Bituminous surfacing on 3.03 miles of Project 26-A2, Butte Boulder Highway, $20,000.

Bridges and Culverts

Overcrossing of Northern Pacific Ry. tracks on .0296 miles of Project 6-N, Clarks Fork Highway, $11,000.

Bridge across East Fork of Bitterroot River on .0265 miles of Project NR-19-C1, Bitterroot-Salmon Highway $19,000.

Bridge over Belt Creek on .04 miles of Project 32-A4, Y.G.B. Line Highway, $21,000.

Maintenance, $10,000.

Surveys

Location surveys on Libby - State Line Highway, Route 1; Paradise Cut-off Highway, Route 9; Georgetown 000.

Lake Highway, Route 17; Pipestone Pass Highway, et al, Route 24, $10,-

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Unit Price Review

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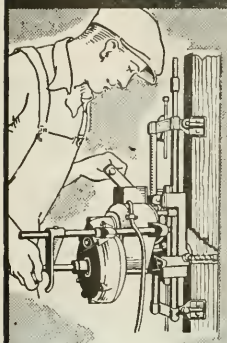

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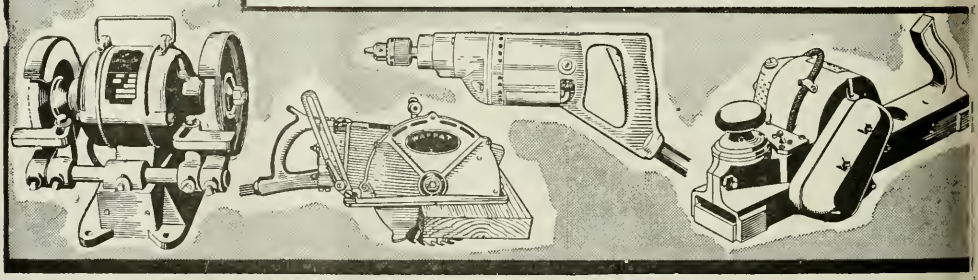

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Vol. XVII SAN FRANCISCO, CALIF., AUGUST 25, 1934 No. 34

NEW DATE SET FOR FIGURES ON AUDITORIUM

San Jose Council Will Take Bids September 10 if PWA Approves

San Jose City Council has set September 10 as the tentative date for receiving new bids on the general contract for the San Jose civic auditorium, a PWA-financed project to cost approximately $375,000.

Advertising for bids on the contract will await approval of the revised plans and wage scale by Clifton Hickok, Northern California engineer for the Public Works Administration. Architect E. N. Curtis said he expected the approval to be received in time to permit receipt of bids September 10.

Council agreement on modifications of the original wage scale prescribed for the contract has delayed the new call for bids. At its meeting Monday night the changed scale was approved, with the following revisions:

Craft	Old scale	New scale
Sheet metal workers	$1.18	$1.10
Tile setters	1.25	1.10
Tile setters' helpers	.81¼	.70
Plumbers	1.28½	1.25
Steam fitters	1.28½	1.25
Iron workers	1.37½	1.25

The combination of low bids when figures were received on the original contract was $65,000 in excess of the funds available for the building. The estimated cost has been scaled down by changes in specifications for the mechanical equipment, elimination of a basement and substitution of a concrete "raft" foundation for piling.

TILE CONTRACTORS TO FILE PROPOSALS

Northern California Tile Contractors Association, Division 5, has established a bid depository at the office of their secretary, Vance M. Brown, 532 Emerson Street, Palo Alto. The area comprises the peninsula district from San Francisco to Sunnyvale. All tile contractors on jobs in this district are requested to file duplicate copies of their bids at Mr. Brown's office.

MAURER LOW ON ROSEVILLE P. O.

WASHINGTON, D. C., Aug. 22.—Fred J. Maurer & Son, Eureka, today submitted the low bid to the Treasury Department at $40-000 for construction of the Roseville Post Office building. Second and third low bids were by William MacDonald Const. Co., St. Louis, at $40,490, and by Schuler and McDonald, Oakland, at $41,000.

The contract is for erecting a one-story and basement reinforced concrete building 65x70 ft., stucco exterior and composition roof.

Campbell Const. Co. Submits Low Bid On Highway Offices

SACRAMENTO, Aug. 21.—Campbell Construction Co., Sacramento, today submitted the low bid to the State Division of Architecture for construction of an office building for the district engineer's staff of the highway division in Marysville. The low bid was $33,870. Other bidders on the general contract were: Oliver S. Almlie, San Francisco, $35,800; F. H. Betz, Sacramento, $36,580; W. C. Keating Sacramento, $37,300; F. C. Amoroso & Sons, San Francisco, $39,652.

Low bids on other portions of the building contract were: Plumbing, Frank M. Booth, Marysville, $2,222; Heating and Ventilating, J. J. McDermott, Sacramento, $6,548; Electrical, M. P. Canon, Sacramento, $2,396.

The building is to be one-story of brick and reinforced concrete, partial basement, frame partitions and tile roof. It is similar to an office building for the Division of Highways being erected in Stockton by John J. Cavanagh. Plans are being prepared for another building of the same type to be erected in San Diego.

HIGHWAY WORK IN 3 COUNTIES OUT FOR BIDS

Santa Barbara 6-Mile Grading And Surfacing Contract To be Let

SACRAMENTO, Aug. 21.—Highway work in Santa Barbara, Kern and San Bernardino counties was ordered advertised for bids today. Proposals will be received by the State Highway Commission in Sacramento, September 12 and Los Angeles, Sept. 13.

The Santa Barbara county contract is for grading and oil treating by the roadmix method 5.8 mi. between Hollister Ave. and Painted Cave road, including construction of a reinforced concrete bridge across San Antonio creek. Estimated quantities include 894,000 yards roadway excavation, and 2,225,000 station yards overhaul; approximately 9,000 feet of corrugated metal pipe, 5,660 feet laminated timber guard rail; 1300 cubic yards portland cement concrete; 51,000 board feet redwood timber; 4,450 barrels fuel oil; 80 tons asphaltic road oil.

In Kern county about 9.3 miles between the westerly boundary and Maricopa is to be surfaced with bituminous treated selected material, requiring 475 tons cutback asphaltic road oil and 9,200 barrels fuel oil.

The San Bernardino contract is for grading and paving four-tenths of a mile through Bloomington. Bids on this contract will be received at Los Angeles, September 13; on the other two at Sacramento, September 12.

NATIONAL PARKS ROAD PROGRAM IS COMPLETED

Bureau Announces Projects Planned for Construction With $889,000 Fund

Highway construction projects totaling $889,728 have been approved by the U. S. Bureau of Public Roads for National Parks in District No. 2, comprising California, Arizona and Nevada for the current fiscal year, District Engineer C. H. Sweetser announced yesterday.

Funds have been alloted as follows: Grand Canyon National Park, $253,215; Yosemite National Park, $377,340; Sequoia National Park, $94,335; Lassen Volcanic National Park, $90,363; Petrified Forest National Monuments, $74,475. All work is supervised from the San Francisco office of the Bureau.

Following are the locations and amounts involved in the individual projects:

Grand Canyon National Park

4 Bright Angel Spring - North Entrance, post construction, 2 miles	$ 29,796
6-C Abyss-Havasupai Junction; grading and subgrade, reinf.	223,425
	$253,215

Petrified Forest National Monument

1-C Painted Desert, Rim Road; grading, 4 miles	$ 24,825
1-C Painted Desert, Rim Road; subgrade reinf., 4 miles	19,860
1-C Painted Desert, Rim Road; surfacing and oiling, 4 miles	29,790
	$ 74,475

Lassen Volcanic National Park

Sec. B Southwest Approach Rd.; grading (comp.) 4.9 miles	$ 12,909
Sec. B Southwest Approach Rd.; surfacing (comp.) 4.9 miles	32,769
2 Summit - Southeast Entrance Road; entrance; survey	$ 14,895
Lassen Park Loop Highway; post construction, seal coat	29,790
	$ 90,363

Sequoia National Park

1-D3 Suwanee Ck. - Dorst Ck. base and top course surf., 3.1 miles	$ 44,685
1-D4 Dorst Creek - North Park Boundary; base & top course surf., 3.5 miles	49,650
	$ 94,335

Yosemite National Park

2-A,B Wawona Rd.; armor coat 26.5 miles	$ 79,440
Big Oak Flat Road; grading 1.32 miles	297,900
	$377,340

July shipments of electric industrial trucks and tractors, as reported to the Bureau of the Census by ten leading manufacturers, totaled 29, as compared with 65 in June, 57 in July, 1933, and 19 in July, 1932.

Bond Elections in Northern California Involve $2,00,000 New Construction

Elections during the next month in northern California will determine the fate of approximately $2,000,000 in improvement bonds. Among the eight projects listed for which bond issues have been proposed are sewer systems, school construction, a water supply system, a fire alarm system, and harbor construction.

At the primary election August 28, the San Mateo County Harbor Commission will place before the voters a $450,000 bond issue to finance construction of the Redwood City Harbor. The completed project will cost approximately $635,000. Of this amount $185,000 has been awarded by the PWA as an outright grant, while the remainder of the cost will be taken care of through the bond issue. Preliminary surveys have been made by James S. James, San Mateo County Engineer.

The Petaluma City Council has set August 28 as the date for a special election on a proposal to issue $325,000 in bonds for construction of a sewage disposal plant. A PWA grant of thirty per cent of the cost of labor and material has been made to the project. Preliminary reports on the project have been prepared by L. H. Nishkian, San Francisco, and Professor Charles Hyde, University of California, consulting engineers.

On August 30, Burlingame and San Mateo voters will pass on bond issues to provide funds for construction of an outfall sewer and sewage disposal and treatment plant. Cost of the complete project, which will amount to approximately $300,000, will be borne jointly by Burlingame, San Mateo, and Hillsborough, with the latter city contributing approximately $33,000 as its share. Burlingame and San Mateo must vote bonds in the amount of $85,000 each in order to secure PWA allotments totaling $288,000. In Hillsborough a bond election will be unnecessary, as the city has on hand funds sufficient to handle its share of the joint expenditure. The completed system will be used by the three cities together. Plans and specifications are being prepared by Harry N. Jenks of Berkeley, consulting engineer.

The San Mateo City Council has also set August 30 as the date for voting on a $30,000 bond issue to finance extensions to the city's fire-alarm system.

An election has been called by trustees of the Gridley School District in Butte County for August 30, at which time a bond issue of $35,000 to provide funds for the erection of a new school building will be submitted to the voters. Plans for the school have been prepared by Architect George Sellon of Sacramento.

August 31 is the date set by the Eureka City Council for a special election to vote on a $959,000 bond issue for the construction of a new water system. The bonds are necessary to secure a PWA grant amounting to $318,000. The project will include a dam on Mad River, a tunnel, reservoir, and pipe line. Clyde C. Kennedy of San Francisco, is consulting engineer for the project.

A $230,000 bond issue has been proposed by trustees of the Bakersfield Union High School District to finance construction of an auditorium at the high school. The election will be held September 14. The proposed building, plans for which have been drawn by Architect Chas. Biggar of Bakersfield, will have a seating capacity of 3,000. A loan and grant of $300,000 recently was allocated to the district by PWA.

Voters of the Wasco Union High School District in Kern county on September 18 will pass on a $42,000 bond issue, to finance construction of a new high school science building. A PWA loan and grant totaling $56,000 will be secured by passage of the bond proposal. Plans for the building are being prepared by Architect Edwin J. Symmes of Bakersfield.

In addition to those for which dates have already been set, bond elections may be called by San Mateo County to pass on a proposed bond issue in the amount of $103,000 to secure a PWA loan and grant of $146,000 for construction of a county office building, and by the city of Carmel to pass on an issue of $50,000 for construction of a new city hall. A PWA grant of thirty per cent of labor and material for the Carmel project has been authorized, according to word received by the City Council.

VOTERS AUTHORIZE SCHOOL ISSUES

Bond issues totaling $77,500 and creating new building projects which will involve expenditure of $100,000 were approved by voters in two school districts this week. Healdsburg voters approved a $60,000 issue for an addition to the high school building, including a gymnasium and extra classrooms. Voters in September will be asked again to approve bonds recently defeated for a grammar school building. Both projects have been planned by Architect John I. Easterly.

At LeGrand, Merced County, a bond issue of $17,500 was carried five to one. It will finance a combination gymnasium and auditorium. Plans have been prepared by Architect W. H. Weeks.

Both building projects have been allocated thirty percent of cost grants by PWA which will supplement bond proceeds.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
388	Kelley	Owner	1600
389	O'Neill	DuPuy	3890
390	Barber	Owner	3500
391	Petersen	Owner	3500
392	Struthers	Owner	3000
393	Kressieg	Disston	1241
394	Adowski	Coburn	1900
395	Flood	Meinberger	10000
396	Recreation	——	50000
397	Cartman	Malloch	5000

ALTERATIONS
(388) NO. 511 MOUNT VERNON ST. Alter dwelling.
Owner—John Kelley, Premises.
Architect—Not Given. $1600

ALTERATIONS
(389) NO. 1909 VALLEJO ST. Alter dwelling.
Owner—Eugene O'Neill, Premises.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor — Fred K. Du Puy, 110 Sutter St., San Francisco. $3890

DWELLING
(390) S MONTEREY BLV. 150 E Detroit St. One-story and basement frame dwelling.
Owner—H. B. Barber, 225 College Av., San Francisco.
Architect—Not Given. $3500

DWELLING
(391) NW LONDON 150 NE Brazil; 1-story and basement frame dwelling.
Owner—A. R. Petersen, 60 Cotter St.
Architect—Not Given. $3500

DWELLING
(392) W CAYUGA 25 N Lamertine St. One-story and basement frame dwelling.
Owner—Marshall T. Struthers, 4250 Mission St., San Francisco.
Architect—Not Given. $3000

ALTERATIONS
(393) NO. 2900 ARMY ST. Move and alter dwelling.
Owner—R. Kressieg, 2900 Army St., San Francisco.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission St., San Francisco. $1240

REPAIRS
(394) NO. 1160 CLAY ST. Repair fire damage to flats.
Owner—A. Adowski, % Contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2028 Market St., S. F. $1900

ALTERATIONS
(395) NE MARKET AND POWELL. Alter office building.
Owner — Flood Realty Co., Flood Bldg., San Francisco.
Architect—Bliss & Fairweather, 1001 Balboa Bldg., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor—H. S. Meinberger, 343 4th St., San Francisco. $10,000

AUDITORIUM
(396) GLEN PARK, CHENERY AND Bosworth Sts. One-story frame auditorium and gymnasium.
Owner—The Recreation Commission, City and County of San Francisco
Architect—W. G. Merchant, 406 Russ Bldg., San Francisco.
Engineer — H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—Not Given. $50,000

ALTERATIONS
(397) NO. 639 VAN NESS AVENUE. Alter sales rooms.
Owner—Cartman Tire Co. Premises.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $5000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
336	Darter	Hansen	11000
337	Smith	Kulchar	2000
338	Murphy	Ower	3500
339	Langridge	Johnson	4800
340	Gregory	Cederborg	2423
341	Bowers	Rose	1000
342	Six	Lyons	4100

DWELLING
(336) NO. 125 PANORAMIC AVE., **BERKELEY.** Three-story 7-room frame dwelling and garage.
Owner — P. S. Darter, 2416 Durant Ave., Berkeley.
Architect—Julian C. Mesic, 137 Montecito St., Oakland.
Contractor — C. Hansen, 1500 Santa Clara Ave., Alameda. $11,000

ALTERATIONS
(337) NO. 1439 BROADWAY, **OAKLAND.** Alter store front.
Owner—Wm. Smith, 1439 Broadway, Oakland.
Architect—Not Given.
Contractor — S. Kulchar, 731 E-10th St., Oakland. $2000

DWELLING
(338) NO. 1233 HENRY ST., **BERKELEY.** One-story 6-room frame dwelling and garage.
Owner — M. Murphy, 2024 University Ave., Berkeley.
Architect—J. H. Piatt, 2024 University Ave., Berkeley. $3500

DWELLING
(339) NO. 566 THE ALAMEDA, **BERKELEY.** Three-story 6-room frame dwelling and garage.
Owner—C. Langridge, 1416 Francisco St., Berkeley.
Architect—Not Given.
Contractor—O. W. Johnson, 4237 Atlas Ave., Oakland. $4800

DWELLING
(340) NO. 1721 HOPKINS STREET, **BERKELEY.** Two-story 4-room frame dwelling and garage.
Owner—Frank C. Gregory, Premises.
Architect—Gwynn Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Ave., Oakland. $2423

REPAIRS
(341) NO. 675 FAIRMOUNT AVE., **OAKLAND.** Fire repairs.
Owner—Mildred A. Bowers, Prem.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1000

(342) BROADWAY TUNNEL PROJect, **OAKLAND.** Frame unloading hopper.
Owner—Six Companies of California.
Architect—Not Given.
Contractor—W. E. Lyons Constr. Co., 2009 Pacific Ave., Alameda. $4100

SAN FRANCISCO UNDER $1000

SIGN, electric, $50; 212 Stockton St.; owner, S. B. Gracier & Sons, 212 Stockton St.; contractor, Electric Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; 1560 Powell St.; owner, North Star Cafe, Premises contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $200; 1415 Market St.; owner, Carjolee Wall Paper Co., 1415 Market St.; contractor Elec. Prod. Corp. 255 Golden Gate Ave.
SIGN electric $30; 241 10th Street; owner, Will & Clement, 241 Tenth St.; contractor, Pioneer Electric Sign Co., 2128 Market St.
BILLBOARD, $6.25; SW Silver Ave. and Bowdoin St.; owner, Foster & Kleiser Co., 1575 Eddy St.
ALTER factory, $75; 40 Milton St.; owner, Ray Burner Co., 401 Bernal Ave.
GARAGE, private, $150; 10 Cedro St.; owner, Mr. Murdock, Perm.; contractor, Martin Nelson, 2847 Army
SIGN, electric, $150; NW Van Ness Ave and Ellis St.; owner, Earl C. Anthony, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate
ALTER apartment flats, $100; 281 14th St.; owner, Michael O'Connor, 114 28th Ave.; contractor, P. J. Cassidy, 726 28th St.
SIGN, electric, $75; 899 Columbus Ave. owner, Buena Vista Cafe, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $150; 57 6th St.; owner, Allo Cat Cafe, Prem.; contractor, Apex Elec. Sign Co., 363 Fell
ALTER commercial Bldg., $200; 209 Clay St.; owner, H. Bocci, 209 Clay St.
ALTER flats, $400; 1164-66-68 Clay St. owner, P. Nohle, % Contractor; contractor, A. L. Thulin, 63 Brady

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
78	Olivera	Lyon	4400

DWELLING
(78) S PACHECO AND ORIOLE Way SE 31 SW 109.284 th deflctg 95° 5' 59" NW 31.123 NE 106.517 to beg ptn Lot 1 Blk 2130A Map Golden Gate Heights. All work for one-story and basement frame dwelling.
Owner—Elsie M. Olivera, % Contractor.
Architect—Not Given.
Contractor—A. R. Lyon, 401 Phelan Bldg., San Francisco.
Filed Aug. 16, '34. Dated Aug. 16, '34.
Upon execution of agreement....$1000
Roof completed 720
All plaster work completed..... 715
Completed and accepted..... 715
Usual 35 days..... 1250
TOTAL COST, $4400
Bond, limit, forfeit, plans and specifications, none.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
49	Athens	Sheridan	7475

ALTERATIONS
(49) THIRTEENTH AND CLAY Sts., Oakland. All work for alterations and reconstruction of bar room and grill room.
Owner—Athens Athletic Club, Prem.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Contractor — Robt. E. Sheridan, 371 Oakland Ave., Oakland.
Filed Aug. 21, '34. Dated Aug. 11, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $7475
Bond, none. Limit, 21 days. Forfeit, $40 per day. Plans and specifications filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Contracts Awarded
APARTMENTS Cost, $5000
SUISUN, Solano Co., Calif.
One-story 3-unit frame and stucco apartment (stucco exterior, shingle roof, gas floor furnaces; each unit will have 2 rooms and bath).
Owner—Miss M. E. Goodfellow, Fairfield.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace A. Peterson, 7127 Weld St., Oakland.
Brick—S. T. Ashley, 5455 Carlton St., Berkeley.
Lumber and Millwork—Diamond Match Co., Suisun.
Painting—Arthur Remington, 1748 103d Ave., Oakland.
Oak Floors—Edw. Madson, 2960 Montana St., Oakland.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 2170 Vallejo Street (50x137 feet).
Alterations to three-story brick residence for apartments (8 apts.)
Owner—H. M. Wolter, 800 Buchanan St., San Francisco.
Architect—Not Given.
Contractor—Unit Construction Co., 557 Market St., San Francisco.

3— CHURCHES

Sub-Contracts Awarded.
RECTORY Cost, $25,000
VALLEJO, Solano Co., Cal. Sacramento St., between Florida and Kentucky Streets.
Two-story and basement frame and brick veneer rectory (18 rooms) steam heating system, slate or composition shingle roof.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect — Arnold Constable, 580 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Farncisco.
Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.
Lumber—Vallejo Lumber Co., Vallejo.
As previously reported, electrical contract awarded to Alca Electric Co., 415 Virginia St., Vallejo; heating to Scott Co., 113 Tenth St., Oakland; plumbing to Dowd Welch, 3558 16th St., San Francisco and 413 Virginia St., Vallejo, at $560.
Building will be occupied by St. Vincent's Ferrer Church (Rev. Father Butler, Rector), Vallejo.

PLANNED
CULVER CITY, Los Angeles Co., Cal.—First Lutheran Church of Culver City has appointed a building committee to select a suitable site for a proposed new edifice to be erected in Culver City. The committee is composed of Rev. H. Atrops, chairman, Rev. I. Blakkan, Rev. E. T. Coyner, H. Maurer, C. S. Hardland, Mrs. C. Somberger and Mrs. C. Skankand.

4 — FACTORIES & WAREHOUSES

Contract Awarded
BULKHEAD BLDG.
Contract Price, $68,487
SAN FRANCISCO. Waterfront bet. Piers No. 38 and 40.
Bulkhead building (2-story steel frame timber wall, stucco front, tar and gravel roof (40x450) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.
Owner—State of California (Harbor Commission) Ferry Bldg.
Engineer—Frang G. White, Ferry Building.
Contractor—F. C. Amoroso and Sons, Wallace and Keith Streets.
Complete bids follow:

F. C. Amoroso & Sons	$68,487
Dinwiddie Const. Co.	70,509
Anderson & Ringrose	70,744
N. H. Sjoberg & Son	71,974
Frank J. Reilly	73,831
A. Nelson, Inc.	75,377
Stoneson Brothers	76,966
MacDonald & Kahn	76,967
Empire Const. Co., Ltd.	78,400
M. B. McGowan	79,987
James L. McLaughlin	83,000

Bids Opened.
SAN FRANCISCO — Alta Roofing Co., 976 Indiana St., at $7.87 per square submitted low bid to State Board of Harbor Commissioners, for roofing Piers Nos. 30 and 32. Complete bids follow:

	Per. Sq.
Alta Roofing Co.	$ 7.87
J. W. Bender Roofing Co.	8.38
Robert Smith	10.92

Bids held under advisement.

Construction Under Way
ALTERATIONS Cost, $——
SANTA ROSA, Sonoma County, Calif. Northwestern Pacific tracks and College Avenue.
Alterations to meat packing plant (new machinery, equipment, etc.)
Owner—Santa Rosa Meat Packing Co., (J. B. Humphrey, President).
Architect—Not Given.
Contractor—Hume Bunyan, 724 Washington St., Santa Rosa.
Directors of the company include: Henry D. Noonan, Allen Nichols, A. J. Gallagher and Bryce Swartfager, Santa Rosa.

Plans Being Completed
PRINTING PLANT Cost, $——
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
Three-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth St.
Architect—W. P. Day, Financial Center Building.
Bids will be asked in about 3 weeks.

To Be Done By Day's Labor
WAREHOUSE Cost, $9,000
MODESTO, Stanislaus Co., Calif.
One-story frame and stucco warehouse (10,000 feet of floor space).
Owner—Triplett Grape Products Co. (S. F. Triplett, President) Modesto
Plans by Engineering Dept. of Owner.
Work will be done by day's labor by owner's own forces.

Planned
MILK PLANT Cost, $——
CHICO, Butte Co., Calif.
Construct new evaporated milk factory (capacity of 20,000 gallons per day).
Owner—Group of men including Leo Richardson, Floyd Bush, W. T. Randolph, et al.
Architect—Not Selected.

Additional Sub-Contracts Awarded.
ALTERATIONS Cost, $30,000
SPRECKELS, Monterey Co., Cal.
Alterations and additions to refinery (add one story of brick, concrete, and structural steel construction).
Owner — Western Sugar Refinery, 2 Pine St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Masonry—Reed & Reed, Hearst Bldg., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Sheet Metal—Morrison & Co., 74 Duboce Ave., San Francisco.
As previously reported, roofing was awarded to Alta Roofing Co., 976 Indiana St.; structural steel to Judson-Pacific Co.

Planned
BREWERY Cost, $——
BAKERSFIELD, Kern Co., Cal. Sixteenth St. between M and N Sts.
Construct new brewery (brick and steel construction, modern equipment).
Owner—The Bakersfield Brewery, 1660 Chester Ave., Bakersfield.
Architect—Not Given.
Further details will be announced shortly.

Additional Sub-Contracts Awarded
ADDITION Cost, $15,000
SAN FRANCISCO. 300 Broadway.
One-story reinforced concrete top addition to printing building. Work involves installation of elevator, electrical work, steel sash, reinforcing steel, etc.
Owner—Printers Bldg., Inc., Premises.
Architect—H. A. Minton, 525 Market.
Engineer—L. H. Nishkian, 525 Market.
Contractor—David Paganini, 519 California Street.
Sub-contracts have been awarded as follows:
Plumbing—A. Ramazzotti, 1473 Vallejo Street.
Cement—Henry Cowell Lime and Cement Co., 2 Market St.
Aggregates—San Francisco Gravel Co. 552 Berry Street.
As previously reported, lumber contract awarded to Allen & Dettman, 2200 Evans Ave.; reinforcing steel to Gunn, Carle & Co., 20 Potrero Ave.

Contract Awarded
WAREHOUSE Cost, $3424
SAN JOSE, Santa Clara Co., Calif. Eighth and Taylor Streets.
One-story corrugated iron warehouse.
Owner—Blase Brothers and San Jose Wholesale Fruit Co., San Jose.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Contractor—Joseph Santi, 545 Madera Ave., San Jose.

PREPARING PLANS

ESCONDIDO, San Diego Co., Cal.—Architect W. W. Ache, 1616 Fourth Ave., Los Angeles, is preparing preliminary plans for a new orange and grapefruit packing house to be erected in Escondido for the Escondido Orange Assn.; W. L. Carson, manager. The building will be a one-story and basement structure, 120x300 feet in area, with reinforced concrete walls, steel or wood roof trusses, composition roofing, steel sash, concrete floors (maple floor alternate), etc. A pre-cooling system may be installed in the structure. Approximately $150,000 will be spent in the purchase of land and new equipment and for the erection of the building. Competitive bids will be taken upon completion of the plans and construction is scheduled to get under way before the end of September.

5— FLATS

Contract Awarded

REPAIR FLATS Cost, $2,000
SAN FRANCISCO. 1160 Clay Street.
Repair fire damage to flats.
Owner—A. Adowski, 2048 Market St.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street.

6—GARAGES & SERVICE

Bids Wanted—To Close September 4, 10 A. M.

GARAGE AND SHOP Cost, $——
MOUNT SHASTA, Siskiyou Co., Cal.
County garage, shop and office building for McCloud Road District.
Owner—County of Siskiyou.
Plans by County Surveyor, Yreka.
Plans and specifications available from office of County Surveyor, Yreka

Sub-Contracts Awarded.

ALTERATIONS Cost, $5000
SAN FRANCISCO. Main and Mission Streets.
Alterations and additions to service station (add one steel bldg., etc.)
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Plumbing—Higgins & Kraus, 741 Tehama St., San Francisco.
Gas Piping—Claude C. Vierhus, 1463 24th Ave., San Francisco.
Mill Work—J. A. Hart, Jerrold and Napoleon Sts., San Francisco.

Planned.

SERVICE STATION Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Pacific Ave. and Laurel St.
Construct new service station (75x85 feet).
Owner—Texaco Co., 929 S. Broadway Los Angeles.
Plans by Engineering Dept. of Owner.

7—FEDERAL BUILDING

August 21, 1934

COMPLETE BID LISTING

SAN FRANISCO—Nick Hemminga, 427 38th Ave., at $12,319 submitted low bid to Treasury Dept. Washington, D. C., for installing new wood block flooring in the work room of the U. S. post office at San Francisco.
Complete bids follow:

Nick Hemminga	$12,319
Barrett & Hilp	15,787
National Bldg. Co., Detroit	16,287
Waterman Floor Laying & Surface Co., Kansas City, Mo.	21,437

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO — Chas. J. U. Koenig, 520 Church St., at $99.30 submitted low bid to Twelfth Naval Disctrict for installing wood and glass partitions in the District Staff Headquarters, San Francisco. Specifications No. 7774. Complete bids follow:

Chas. J. U. Koenig	$ 99.30
Wm. Martin	117.00
Theo. Johanns	125.00
Fulton Co.	140.00

Bids held under advisement.

LOW BIDDER

FRESNO, Calif.—Independent Iron Works, Oakland, submitted the low bid to the Department of Agriculture at $488 for steel and glass required to build a greenhouse addition to laboratory building in Fresno

CONTRACT AWARDED

OAKLAND, Calif.—Higgins Awning & Linoleum Co., 2335 Broadway, Oakland, at $4,749 awarded contract by Treasury Dept. for linoleum floor covering for the U. S. post office and customhouse at Oakland. Complete bids published July 6.

MATERIALS APPROVED

SAN FRANCISCO — Treasury Department approved the award to Phoenix Glass Co., for furnishing glassware for the lighting fixtures for the U. S. Federal Building, San Francisco. Lighting fixture contract awarded to H. A. Framburg & Co., 3320 Carroll Ave., Chicago, Ill.

BUILDING MATERIALS APPROVED

PORT TOWNSEND, Wash.—Treasury Department approved the following equipment awards for the construction of the quarantine station at Port Townsend, Wash.: Murch Bros. Construction Co., 4111 Lindell Blvd., St. Louis, Mo., general contractor.

Cast iron boilers, Crane Co.; high pressure steam steel boiler, Garrett & Shafer; oil burners, Ray Burner Co.; radiator valves, Marsh Valve Co.; pressure reducing valves, Mueller Steam Specialty Co.; air valves for steam radiators, Hoffman Specialty Co.; air valves for end of steam mains, Hoffman Specialty Co.; hot water heaters for detention barracks and hospital, Evins F. Glore & Son.

BUILDING MATERIAL APPROVED

LOS ANGELES, Cal. — Treasury Department approved the award to Johns Manville Co. for non-conducting covering for plumbing for the Quarantine Station at Los Angeles. Chas. Montague, general contractor.

BIDS WANTED

STERLING, Colo.—Until Sept. 14, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch Washington, D. C., for painting plaster, etc., in the U. S. Post Office and Court House at Sterling, Colo. Specifications may be obtained from above office or from the Custodian of the building at Sterling.

BIDS REJECTED

SANTA CRUZ, Santa Cruz Co., Cal.—Treasury Department rejected all bids received July 31 for the extension and remodeling of the U. S. post office in Santa Cruz. Dinwiddie Const. Co., Crocker Bldg., San Francisco, was the low bidder at $87,600.

BIDS WANTED

OAKLAND, Cal.—As previously reported, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., until Sept. 13, 10 A. M., for the construction of additions and changes on the first floor and basement of the U. S. post office and custom house at Oakland. Plans and specifications may be obtained from the above office or from the Custodian of the building at Oakland.

Low Bidders

POST OFFICE Cost, $45,100
ROSEVILLE, Placer Co., Calif.
One - story and basement post office building (65x70 ft.) concrete wall, stucco exterior, tile coping, composition roof, structural steel, steel sash, steam heat.
Owner—U. S. Government (Treasury Department).
Architect—Supervising Architect, Treasury Dept., Washington, D. C
Low Bidder—Fred. J. Maurer, Eureka.
Following are three low bids:

Fred J. Maurer, Eureka	$40,009
Wm. MacDonald Const. Co., St. Louis, Mo.	40,430
Schuler & McDonald, Oakland	41,000

Complete bids will be given shortly.

BIDS OPENED

SAN FRANCISCO.—Harry W. Oser and W. C. Akard, Hobart Bldg., at $7,444 submitted low bid to constructing Quartermaster, Fort Mason, for construction of additions to finance office building No. 19, Fort Mason.
Complete bids follow:
(1) excavation, per cu. yd.;
(2) concrete, per cu. yd. (1-2-4);
(3) do (1-2½-5);
(4) reinforcing steel, per 100 lbs.

H. W. Oser, W. C. Akard		$7,444.00
	(1)	1.00
	(2)	15.00
	(3)	14.00
	(4)	5.00
Robert McCarthy		$7,740.00
	(1)	1.00
	(2)	16.00
	(3)	14.00
	(4)	4.00
Chas. J. U. Koenig & Sons		$7,838.00
	(1)	1.10
	(2)	14.87
	(3)	14.17
per ton	(4)	40.00
M. E. Vukicevich		$8,097.00
	(1)	1.15
	(2)	8.15
	(3)	7.84
	(4)	4.99
A. Nelson, Inc.		$8,415.00
	(1)	1.25
	(2)	15.00
	(3)	14.00
	(4)	4.00
Wm. A. Degan, Alameda		$8,684.00
	(1)	.60
	(2)	9.00
	(3)	8.50
	(4)	5.00
Wm. Martin		$8,814.00
	(1)	1.00
	(2)	8.53
	(3)	7.94
	(4)	4.50
R. S. Silverberg		$9,559.00
	(1)	1.50
	(2)	20.00
	(3)	11.00
	(4)	4.00
Thos. J. Doyle		$9,637.00
	(1)	1.50
	(2)	20.00
	(3)	18.00
	(4)	6.00

BIDS OPENED

SAN DIEGO, Cal.—Brock Building Co., 4265 Ethelda Place, San Diego, submitted low bid to Eleventh Naval District, at $2547, for alterations to Building No. 7 at the Naval Operating Base (Fuel Depot), San Diego; Specification 7752. The work will consist of altering an existing two-story, frame building for use as quarters, and includes carpentry work, plumbing, electrical work, painting and miscellaneous work. Other bids were: Gunnar Johnson $3000; Olmstead Bldg. Co., $3295; W. B. Melhorn, $3298; O. F. Eckles and C. F. Von Gunden,, $3332. Bids held under advisement.

Complete Bid Listing.
QUARTERS Cost, $30,000
SAN FRANCISCO. Quarantine Station Angel Island.
Single attendants' quarters and mess (two-story frame, Colonial type; 55x30-ft. with wing 30x19); shingle roof, concrete foundation, asphalt paving in yard, plumbing, heating and electrical.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect, Treasury Department.
Low Bidder—Frank J. Reilly, 6350 Fulton St., San Francisco, at $25,981.
Complete bids follow:

Frank J. Reilly, San Francisco	$25981
Fred J. Early, Jr., S. F.	26,050
B. A. Howkins, S. F.	26,500
Harry J. Oser, S. F.	27,000
Dinwiddie Constr. Co., S. F.	27,000
Wm. Spivock, S. F.	28,600
Young & Horstmeyer, S. F.	29,628
Carl N. Swensen, San Jose	30,000

BIDS OPENED
SAN DIEGO, Cal. — R. G. Meyler Corp., 408 S. Spring St., Los Angeles, submitted low bid to Eleventh Naval District at $8330, for brick setting for two existing boilers at the Naval Operating Base (Fuel Depot), San Diego; Specification 7768. The work consists of the removal of the existing battery setting and the furnishing and installing a new brick setting, and miscellaneous steam, water and draft measuring equipment. The work includes a small change in the existing concrete foundation of setting, new boiler baffles and other miscellaneous work and appurtenances. Other bids were: C. C. Moore & Co., $9235; A. O. Reed & Co., $9722. Bids held under advisement.

CONTRACT AWARDED
SAN FRANCISCO.—A.B.C. Painting Co., 340 Guttenberg St., at $144 was awarded contract by Twelfth Naval District for painting quarters No. 1, U. S. Naval Receiving Ship, Yerba Buena Island. Spec. No. 7767.

BIDS WANTED
OAKLAND, Cal. — Until Sept. 13, bids will be received by the Treasury Department, Washington, D. C., for the construction of additions and changes to the Post Office and Courthouse in Oakland.

Additional Sub-Contracts Awarded
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect—Arthur Brown, Jr., 251 Kearny Street.
Contractor—Great Lakes Const. Co., 333 N. Michigan Ave., Chicago.
Bronze and Aluminum Doors—Anchor Post Fence Co., 460 Fifth St.
Miscellaneous and Ornamental Iron—Michel & Pfeffer Iron Works, 10th and Harrison Streets.
Other awards previously reported.

LOW BIDDERS
SAN FRANCISCO — Jamestown Metal Equipment Co., at $6889.20 submitted low bid to Treasury Department, Division of Supply, Washington, D. C., for metal shelving for the Federal Building, San Francisco. Following are three low bids received:

Jamestown Metal Equip. Co.	$6889.20
Lyon Metal Products Co.	7053.63
General Fireproofing Co.	7251.54

Bids held under advisement.

9— HOSPITALS

Preparing Working Drawings.
HOME Cost, $100,000
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley City Limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephert Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.

Plans Being Prepared.
HOSPITAL Cost, $30,000
NEAR MODESTO, Stanislaus Co.
One-story hospital building (probably brick construction) to contain thirty beds, composition roofing, steam heating plant, etc.
Owner—Withheld.
Architect—G. N. Hilburn, 1312 I St., Modesto.

Plans Completed
HOSPITAL Cost, $615,000
SAN FRANCISCO. Potrero Ave. and Twenty-second Street.
Six-story cancer building and 5-story psychopathic hospital (Class A construction).
Owner—City and County of San Francisco.
Architect—Martin J. Rist, Phelan Building.
Structural Engineer—H. J. Brunnier, Sharon Building.
Mechanical Engineer—Leland & Haley, 58 Sutter Street.
Plans are awaiting approval and bids will be asked about August 29.

FUNDS PROVIDED
VENTURA, Ventura Co., Cal.—Ventura county supervisors this week provided $25,000 in the county budget for financing the construction of a tuberculosis sanitarium and $2,500 for repairs to the Ventura county hospital. Erection of the sanitarium will be delayed until a survey is made by Dr. Homer, county physician, to determine the requirements of the new building.

Planned.
ADDITIONS Cost, $——
WOODLAND, Yolo Co., Cal.
Additions to Yolo County Hospital (add 50-60 beds).
Owner—County of Yolo.
Architect—Not Given.
The board of directors has instructed the hospital warden to secure estimates on the cost of the addition.

12— POWER PLANTS

BIDS WANTED
CAMARILLO, Ventura Co., Calif.—Until Sept. 18, 2 P. M., bids will be received by Geo. B. McDougall, State Architect, Public Works Building, 11th and P Sts., Sacramento, for construction of one-story reinforced concrete boiler plant with clay tile roof at the Camarillo State Hospital, near Camarillo. Plans and specifications may be obtained from above office upon deposit of $25.00. Cost, $50,000.
Bids are being taken on a general contract with separate bids for electric, plumbing and heating.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACTS AWARDED
SAN LEANDRO, Alameda Co., Cal.—Alameda County Board of Supervisors awarded the following contracts for furnishing and installing furniture and kitchen equipment in the Veterans' Building, San Leandro:
Stage Curtains — American Studios, 1060 Folsom St., San Francisco, $856.57.
Furniture, Curtains, Chairs, Etc.—Jackson Furniture Co., 14th and Clay Sts., Oakland, $2,999.27.
Floor Covering—Kronke-Brampton Co. 3212 San Pablo Avenue, Oakland, $282.00.
Kitchen Equipment—Dohrmann Hotel Supply Co., 972 Mission Street, San Francisco, $566.70.
Office Furniture—M. G. West Co., 339 13th St., Oakland, $143.35.
Office Furniture—Remington Rand Co. 2032 Broadway, Oakland, $58.89.
Kitchen Equipment—G. C. Laird Co., 528 13th St., Oakland, $167.28.
Kitchen Equipment — Mangrum Holbrook Co., 1235 Mission St., San Francisco, $78.53.
Kitchen Equipment—Levenson Co., 325 Market St., San Francisco, $11.72.
Folding Chairs—Clarin Mfg. Co., 230 California St., San Francisco, $1,689.00.

Plans Being Prepared.
CITY HALL Cost, $1500
ALVISO, Santa Clara Co., Cal.
One-story frame city hall.
Owner—City of Alviso.
Plans by Henry Bolwin, 1041 Garland St., San Jose.
Work will probably be done by day's labor under the SERA.

Bids Wanted—To Close Sept. 7, 5 P.M.
CITY HALL Cost, $15,000
GRASS VALLEY, Nevada Co., Cal. SW Main and Stewart Streets.
One and two-story reinforced concrete city hall.
Owner—City of Grass Valley.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Structural Engineer—F. D. Kellberg, 544 Market St., San Francisco.
Plans and specifications may be obtained from the architect upon deposit of $15.

PROSPECTIVE BIDDER
GRASS VALLEY, Nevada Co., Cal.—Paul I. Jenks, Route 2, Grass Valley, has procured plans for the purpose of submitting a bid to the Grass Valley city council on Sept. 7 for the construction of a one- and two-story reinforced concrete city hall. Charles Dean, California State Life Building, Sacramento, architect. Estimated cost $15,000.

Tentative Bid Opening Date September 10.
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three-story reinforced concrete and structural steel civic auditorium plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
San Jose City Council has set September 10 as the tentative date for opening bids subject to the approval of the PWA.

BIDS WANTED
OCEANSIDE, San Diego Co., Cal.—Until 7:30 P. M., August 29, bids will be received by the Oceanside City Council for the construction of a combination city hall and library building in Oceanside. Bids may be based on the work as a whole, or may cover separate items such as plumbing, electric wiring and laying of concrete floors and walks. The building will be a one-story, reinforced concrete structure, 70x72 feet in area, and will house both city offices and the

public library. Plans and specifications, which were prepared by Councilman C. W. Hoegerman, are on file with John H. Landes, City Clerk. Cost of construction will be paid out of available funds in the city treasury.

Bids Rejected
ARMORY Cost, $93,000
KLAMATH FALLS, Oregon.
Construct Klamath Armory.
Owner—Klamath Armory Bldg. Committee, City Hall, Klamath Falls.
Architect—Howard R. Perrin, 206 Underwood Bldg., Klamath Falls.
Low Bidder—Oscar Wayman, Worcester Bldg., Portland, Oregon.
Following bids received and rejected, as bids were over amount available:
Oscar Wayman, Portland.....$125,789
E. P. Brosterhouse, Bend, Ore. 126,397
Hoffman Const. Co., Portland 130,430
Dougan & Hammond, Portland 130,800

Bid Opening Date Postponed Temporarily.
FIELD HOUSE Cost, $9,000
SAN FRANCISCO. Thirty-eighth and Fulton Streets Playground.
One-story frame and stuco five-room field house (assembly room, storeroom and office; two lavatories; asbestos shingle roof).
Owner—City and County of San Francisco (Recreation Commission).
Architect—Wm. G. Merchant, 406 Russ Building.
Bids were to have been opened Aug. 24. A new date will be set shortly.

14— RESIDENCES

Carpentry and Masonry Contract Awarded
RESIDENCE Cost, $18,000
PALO ALTO, Santa Clara Co., Calif. 27 Crescent Drive.
Two-story and basement frame and stuco residence (10 rooms and 3 baths) tile roof, gas heating system, hardwood and tile floors, etc.
Owner—Mrs. Anna Maskey, Los Altos.
Architect — Gardner Dailey, 210 Post St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Awards on other portions of the work will be made by the architect shortly.

Sub-Contracts Awarded.
ALTERATIONS Cost, $——
SAN MATEO COUNTY, Cal.
Alterations and additions to various ranch buildings located on Santa Cruz Ave., Menlo Park.
Owner—Alpine Properties Company.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.
Lumber — Roth-Maier Lumber Co., 2800 Third St., San Francisco.
Sheet Metal — Spangler Sheet Metal Works, 841 Alma St., Palo Alto.
Mill Work—Lennom Bros., Fifth and Magnolia Sts., Oakland.
Plumbing — W. H. Picard, Inc., 5656 College Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 566 The Alameda.
Two-story frame residence (6 rooms and 2 baths); English type, shingle roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—Withheld.
Architect—Not Given.
Contractor—O. W. Johnson, 4237 Atlas Ave., Oakland.

Contract Awarded
ALTER RESIDENCE Cost, $1500
SAN FRANCISCO. 2900 Army Street. Move and alter residence.
Owner—R. Kressieg, 2900 Army St.
Architect—Not Given.
Contractor—A. D. Disston, 666 Mission Street. 4

Plans Being Figured
ALTER RESIDENCE Cost, $3000
BERKELEY, Alameda Co., Cal. Carlton Avenue.
Alterations and additions to frame residence.
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley. *

Plans Being Figured—Bids Close Sept. 5, 12 Noon.
RESIDENCE Cost, $15,000
ATHERTON, San Mateo Co., Cal.
Two-story frame and stucco residence (10 rooms and 3 baths); shingle roof, gas-fired steam heating system, concealed radiators, hardwood floors, tiled baths, tile kitchen, monel metal sink, etc.
Owner—J. E. Tourtellotte.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Following will submit bids:
Oscar Cavanaugh, 432 Occidental Ave., San Mateo.
Lengfeld & Olund, Ltd., 220 Third Ave., San Mateo.
W. H. Weeden, State Highway, Menlo Park.

Preparing Preliminary Plans.
RESIDENCE Cost, $10,000
SACRAMENTO COUNTY, Cal. Near City Limits.
Two-story frame ranch house (Monterey Type).
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley.

Plans Being Figured—Bids Close Sept. 4, 4 P. M.
RESIDENCE Cost, $——
TIBURON, Marin Co., Cal. Corinthian Island.
Two-story and basement frame and stucco residence (8 rooms and 3 baths and garage); social hall, bar; shake roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Vincent F. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Following will submit bids:
Clinton Stephenson Constr. Co., 550 Montgomery St., San Francisco.
Robert Glaze, 666 Mission St., San Francisco.
George J. Maurer, 50 York Drive, Piedmont.
P. Sartorio, 666 Mission St., San Francisco.
James Chestnut, 143 Eldridge Ave., Mill Valley.
Moore & Roberts, 693 Mission St., San Francisco.

Construction To Start In One Week.
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal. El Camino Real.
One-story and basement frame and stucco residence (7 rooms and 3 baths); Spanish type, tile roof, gas hot air heating system, hardwood floors, tile baths, etc.
Owner—Mrs. Suzanne Perry, Atherton.
Architect—Not Given.
Contractor—W. H. Weeden, 1458 State Highway, Menlo Park.
(5016) 1st report Aug. 12, 1934 * 14

To Ask Bids August 24
RESIDENCE Cost, $3000
MENLO PARK, San Mateo Co., Calif. Oak Grove Avenue.
Five-room frame and plaster cottage (composition roof).
Owner—Corpus Christi Monastery, Oak Grove Ave., Menlo Park.
Architect—Arnold Constable, 580 Market St., San Francisco.

BIDS OPENED
RESIDENCES Cost, $——
OAKLAND, Alameda Co., Cal. Merriewood Tract.
Two 3-room frame residences.
Owner — Syndicate Merriewood Co., Broadway Bldg., Oakland.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Low Bidder—Geo. Windsor, 928 Kingston St., Piedmont.
Complete bids follow:
George Windsor, Piedmont $4,015
C. W. Leekins, Oakland..... 4,165
Frey DuPuy, San Francisco..... 4,875
Flener & Griffin, Oakland..... 5,078
Bids held under advisement.

Sub-Contracts Awarded
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 6000 Chelton Drive.
Two-story six-room dwelling.
Owner—Glenn G. Allen and Lewis T. Dobbins, 1239 106th Ave., Oakland.
Architect—Not Given.
Contractor—Allen & Allen, 1239 106th Avenue, Oakland.
Electric—Kerr & Clifford, 3525 E. 14th St., Oakland.
Brick—C. M. Goodell, 2836 Minna Ave. Oakland.
Concrete—G. Tribuzio, 425 Market St., Oakland.
Sheet Metal Work—M. C. Henry, 1183 53rd St., Oakland.
Heating—Walter Mork, San Pablo and Hearst Avenues, Berkeley.
Plumbing—Henry F. Lass, 5300 Cole St., Oakland.

To Be Done By Day's Work.
RESIDENCE Cost, $3500
SAN FRANCISCO. S Monterey Blvd. 150 E Detroit Street.
One-story and basement frame and stucco residence.
Owner—H. B. Barber, 225 College Ave., San Francisco.
Architect—Not Given.

Additional Sub-Contracts Awarded.
RESIDENCE Costt, $5000
BERKELEY, Alameda Co., Cal. Cragmont Ave. and Grizzly Peak Blvd.
Two-story frame, brick veneer and redwood siding residence (six rooms) shingle roof, gas heating system, hardwood floors, tiled bath.
Owner & Builder, J. M. Walker, 1700 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Brick Work—W. H. Wisheropp, 3749 Quigley St., Oakland.
Plastering—Scott & Spear, Berkeley.
As previously reported, concrete awarded to Axel Johnson, 1844 Channing Way, Berkeley; lumber to Tilden Lumber Co., Foot of University Ave., Berkeley; plumbing to Suendermann Plumbing Co., 921 Universcity Ave., Berkeley.

Plans Being Figured — Bids Close Sept. 25, 11 A. M.
RESIDENCE Cost, $7000
SAN JOSE, Santa Clara Co., Cal. Calaveras Avenue.
One-story six-room frame and stucco residence (oak floors, two baths, tile roof) gas-fired hot air heating system to be let under separate contract.
Owner—Withheld.
ArcihtectWm. E. Higgins, 19 North Second St., San Jose.

Contract Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal.
One and one-half-story frame and stucco residence (6 rooms, and 1 bath); shingle roof, gas heating system, hardwood floors, tiled bath, etc.
Owner—Mr. Pollard.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Contractor—A. J. Pollard, 77 Plaza Drive, Oakland.

Plans Completed.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. Oakmore Highlands.
One and one-half-story frame and stucco residence (6 rooms and 2 baths); shingle roof, gas heating system, hardwood floors, tiled baths, etc.
Owner—M. Klein.
Plans by W. W. Dixon, 1844 Fifth Ave., Oakland.

To Be Done By Days Work.
RESIDENCE Cost, $3500
SAN FRANCISCO. W Cayuga St. 25 N Lamertine St.
One-story and basement frame and stucco residence.
Owner — Marshall T. Struthers, 4250 Mission St., San Francisco.
Architect—Not Given.

Prospective Bidders.
RESIDENCE Cost, $12,000
SAN ANSELMO, Marin Co., Cal.
Two-story frame and stucco residence (8 rooms, 3 baths) wood shakes roof, tiled baths, hardwood floors, etc.
Owner—Henry Hansen.
Architect—Farr & Ward, 68 Post St., San Francisco.
Following have procured plans:
A. Cederborg, 1455 Excelsior Ave., Oakland.
F. C. Stolte, 3455 Laguna Avenue, Oakland.
Young & Horstmeyer, 461 Market St., San Francisco.
L. E. Warden, 815 D St., San Rafael.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
PITTSBURG, Contra Costa Co., Cal. No. 448 E-Ninth Street.
Duplex dwelling.
Owner—Joseph Belleci, 4308 Black Diamond St., Pittsburg.
Architect—Not Given.
Contractor — Joseph H. Silno, 430 E St., Pittsburg.
Heating—Martinez Sheet Metal Wks., Martinez.
Plumbing—Dockstader & Crane, Los Midanos St., Pittsburg.
Electric Wiring—Jack Arillo, Fourth St., Pittsburg.
Mill Work—Redwood Mfg. Co., Pittsburg.
Terra Cotta and Sheet Metal Work—Martinez Sheet Metal Works, Martinez.
Roofing—Superior Roofing Co., Pittsburg.
Painting—Bob Vallis, Pittsburg.
Plastering—Gerald Terranova, C and Ninth St., Pittsburg.
Tile Work—J. Murring, Richmond.
Glass and Glazing and Lumber—Redwood Mfg. Co., Pittsburg.
Hardware—C. T. Cantiello, Railroad St., Pittsburg.
Hardwood Floors—Henry Bockback, Sixth St., Pittsburg.

Plumbing Contract Awarded
RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Cal. The Uplands.
Two - story and basement frame and stucco residence (10 rooms and 6 baths) tile roof, hardwood floors, colored tile baths, etc., reinforced concrete bridge over creek in connection with residence, 45 ft long.
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 369 Pine St., San Francisco and Premises.
Plumbing—Scott Co., 113 Tenth St., Oakland.

As previously reported, grading and excavation awarded to Ariss Knapp, 961 41st St., Oakland.

Contract To Be Awarded
RESIDENCE Cost, $15,000
ROSS, Marin Co., Cal. Winship Park.
Two - story and basement frame and shakes residence (10 rooms and 3 baths) salte roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Planned
RESIDENCE Cost, $——
SONOMA, Sonoma Co., Calif.
Two-story stone residence.
Owner—Mr. and Mrs. Wm. Montini, El Verano, Sonoma.
Architect—Not Selected.

Owner Taking Bids
RESIDENCE Cost, $7,000
FORTUNA, Humboldt Co., Calif.
One-story and basement redwood residence (6 rooms, 2 baths) redwood shake roof, redwood siding, tiled baths, hardwood floors, etc.; English type.
Owner—Paul G. Jasper, Fortuna.
Architect—D. E. Jaekle, Call Bldg., San Francisco.

Painting Contract Awarded
RESIDENCE Cost, $7,000
BERKELEY, Alameda Co., Calif. 730 Spruce Street.
One-story frame and shingle residence (five rooms and 1 bath) gas heating system, shingle roof, hardwood floors.
Owner—George P. Adams, 745 Santa Barbara Road, Berkeley.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—Frank G. Applebe, 2405 Acton St., Oakland.
Painting—Fred Berggen, 1312 Shattuck Ave., Berkeley.

Contract Awarded
RESIDENCE Cost, $4,400
SAN FRANCISCO. So. Pacheco and Oriole Way (Golden Gate Hgths.)
One - story and basement frame and stucco residence.
Owner—Elise M. Olivera, % builder.
Architect—Not Given.
Contractor—A. R. Lyon, 401 Phelan Building.

To Be Done By Day's Work
RESIDENCE Cost, $4,000
SAN FRANCISCO. NW London, 150 NE Brazil.
One - story and basement frame and stucco residence.
Owner and Builder—A. R. Petersen, 60 Cotter Street.
Architect—Not Given.

Preparing Preliminary Plans.
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Cal. St. James Wood.
Two-story frame and stucco residence (8 rooms).
Owner—Withheld.
Architect—W. E. Schirmer, Bank of America Bldg., Oakland.
Further details will be announced shortly.

Contract Awarded.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. No. 566 The Alameda.
Two-story and basement frame and stucco residence (6 rooms).
Owner—C. Langridgo, 1416 Francisco St., Berkeley.
Architect—Not Given.
Contractor — O. W. Johnson, 4227 Atlas Ave., Oakland.

Preparing Preliminary Plans.
RESIDENCE Cost, $3000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence (7 rooms)
Owner—Withheld.
Architect—W. E. Schirmer, Bank of America Bldg., Oakland.
Further details will be announced shortly.

Sub-Contracts Awarded.
RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Cal. The Uplands.
Two-story and basement frame and stucco residence (10 rooms and 6 baths) tile roof, hardwood floors, colored tile baths, etc., reinforced concrete bridge over creek in connection with residence, 45 ft. long
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 369 Pine St., San Francisco, and Premises.
Mill Work—Pacific Mfg. Co., Monadnock Bldg., San Francisco.
Terra Cotta Pipe, Etc.—Gladding, McBean & Co., 22nd and Market Sts Oakland.
As previously reported, grading and excavation contract awarded to Ariss Knapp, 961 41st St., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 566 The Alameda.
Two-story frame and stucco residence (6 rooms, 2 baths) shingle roofing, gas heating system, tiled baths, etc.
Owner—Withheld.
Architect—Not Given.
Contractor — O. W. Johnson, 4237 Atlas Ave., Oakland.

Contract Awarded
ALTER RESIDENCE Cont. Price $3890
SAN FRANCISCO. 1909 Vallejo St.
Alterations to residence (complete alterations to interior and exterior, work includes plumbing, painting, plastering, electrical work, etc.)
Owner—A. M. O'Neill.
Architect—Kent & Hass, 525 Market.
Contractor—Fred. K. DuPuy, 110 Sutter Street.

Contract Awarded
RESIDENCE Cont. Price, $2,824
SALINAS, Monterey Co., Cal. Chestnut Street.
One - story frame residence, shingle roof, floor furnaces.
Owner—Mr. Hoffman, Salinas.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Fred. Carlsen, 336 Lincoln Ave., Salinas.

Plans Being Prepared
RESIDENCE Cost, $5,000
BERKELEY, Alameda Co., Cal. Cragmont Avenue.
Two-story frame and stucco residence (6 rooms).
Owner—J. M. Walker, 1709 Grove St., Berkeley.
Architect—Not Given.
Further details will be announced shortly.

Sub-Contracts Awarded
REMODEL RESIDENCE Cost, $1000
BERKELEY, Alameda Co., Calif. 820 Oxford Street.
Alterations and additions to residence (add three rooms).
Owner—Ralph Dewey.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Concrete—A. A. Johnson, 1844 Channing Way, Berkeley.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.

15— SCHOOLS

Plans Completed.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (five classrooms and recreation room).
Owner—Portola Grammar School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Plans will be forwarded to PWA office for approval August 27.

LOANS APPROVED
NEVADA — Public Works Administration last week approved loans for the following school projects in Nevada: Wadsworth, $23,000; high school gymnasium at Bunkerville, Overton and Mesquite, $56,000; Hawthorne high school addition, $55,000.

LOANS APPROVED
ARIZONA—Public Works Administration last week approved loans and grants for the following school projects in Arizona: Maricopa county gymnasium, $14,700 loan and grant; Maricopa county school, $4500 grant; Arlington schools, $43,000 loan and grant; Flagstaff schools, $70,000 and grant; Litchfield Park school, $9900 loan and grant.

Contract To Be Awarded.
SCHOOL Cost, $9997
DUNNIGAN, Yolo Co., Cal.
One-story wood frame grammar school.
Owner—Dunnigan School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Contractor—Roth Bros., Woodland.

PRELIMINARY PLANS APPROVED
VAN NUYS, Los Angeles Co., Cal.—Los Angeles Board of Education has approved preliminary plans and has authorized Architect Gilbert Stanley Underwood to proceed with the preparation of working drawings for a new 12-unit building replacement at the Van Nuys Elementary School, 6464 Sylmar St., Van Nuys. Cost, $114,740. 5

PLANNED
TULARE, Cal.—Tulare Union High School District is considering the erection of twenty-eight one-room bungalow classrooms, estimated to cost $35,000, or the erection of frame and stucco bungalows to cost $110,000 or the erection of a central building unit to cost $60,000. The amount of $40,000 is available in the district building fund which may be used if permission is obtainable from the State Board of Equalization. The present main building and gymnasium have been ordered closed by the State Division of Architecture, the structures being declared unsafe and not in compliance with the new earthquake law.

CONTRACT AWARDED
VACAVILLE, Solano Co., Cal.—A. Nicolson & Son, Vacaville, awarded contract by Vacaville Union High School District for furnishing and installing low pressure steam heating system in the Vacaville Union High School. Plans prepared by Architect Frederick S. Harrison, 1005 10th St., Sacramento.

Plans Approved
SCHOOL Cost, $2500
MODESTO, Stanislaus Co., Cal. Wilson School.
One-story frame school (1 classroom).
Owner—Modesto City School District.
Architect—J. J. Donovan, 950 Parker St., Berkeley.

Bonds Voted.
SCHOOL Cost, $14,000
WILLIAMS, Colusa Co., Cal.
Grammar school auditorium to replace building destroyed by fire.
Owner — Williams Grammar School District.
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Williams Grammar School District voted bonds in the amount of $8000 and PWA has approved loan for $6000 to finance construction.
(2305) 1st report Aug. 2, 1933; 3rd July 30, 1934. * 15
August 23, 1934

BIDS WANTED
MODESTO, Stanislaus Co., Cal.—Until Sept. 5, 2 P. M., bids will be received by E. D. Abbott, Secretary, Modesto City School District, (governing body of the Modesto Junior College District) for the construction of a part of the library building on the site of the Junior College. Plans prepared by Architect John J. Donovan, are on file in his office at 950 Parker St., Berkeley.
Certified check for 10% of amount bid required.

ENGINEER APPOINTED
SAN FRANCISCO—Abbott A. Hanks Inc., 624 Sacramento St., has been appointed engineer to test materials for the re-construction of the John Swett School, located on the north line of McAllister St., between Franklin and Gough Sts. William Splvock is the general contractor and H. J. Brunnier is the structural engineer.

CONTRACT AWARDED
MANTECA, San Joaquin Co., Cal.—Fred E. Turner, 557 Market St., San Francisco, at $794.05 submitted low bid to Calla School District for furnishing school furniture for the new Calla School Building. Complete bids follow. All bidders of San Francisco:

Fred E. Turner	$794.05
American Seating Co.	857.35
Heywood Wakefield Co.	876.25

PLANS COMPLETE
LOS ANGELES, Cal.—Los Angeles board of education has adopted working drawings and has authorized the business manager of the board to advertise for bids for reconstructing the main building at Center Ave. school. Estimated cost, $65,683. Plans were prepared by the architectural division of the board; A. S. Nibecker, Jr., architect, and Structural Engineer L. J. Waller. 5

LOAN APPROVED
FLAGSTAFF, Ariz.—Public Works Administration last week approved a loan of $259,000 and a grant of $101,000 to Arizona State Teachers' College at Flagstaff to finance the construction of a group of buildings on the college campus in Flagstaff. The buildings to be erected and estimated costs are: Women's dormitory, $172,500; enlarge heating plant, $12,800; men's dormitory, $138,500; president's residence, $25,500; training school alterations, $10,700. They will be fireproof structures with sandstone exteriors and asbestos shingle roofing. Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, are the architects.

Contract Awarded.
SCHOOL Cost, $——
FRESNO COUNTY, Cal.
Construct brick and frame classroom.
Owner — Teague Elementary School District, Fresno County.
Architect—W. D. Coates, 626 Rowell Bldg., Fresno.
Contractor—LaForti & Heffner, 252 N. Broadway, Fresno.

Contract Awarded.
SCHOOL Cost, $100 000
PALO ALTO, Santa Clara Co., Calif
Reconstruction and repairs to Administration Building and Auditorium Building of the Palo Alto High School (reconstruction of reinforced concrete auditorium and repairs and improvements of frame administration building.
Owner—Palo Alto High School Dist.
Architects—Birge M. Clark and David B. Clark, 310 University Avenue, Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Low Bidder—Carl N. Swenson Co., 355 Stockton Ave., San Jose, $82,122.
Complete bids follow:
1. Reconstruct with alterations of Administration building and Auditorium building to be completed Jan. 15, 1935.
(a) Deduct if buildings are not completed until April 1, 1935.
(b) Add if all existing plaster walls and ceilings in Administration building have plaster knocked off and are replastered.
(c) Add if all existing plaster walls and ceilings in Administration building have both plaster and lath removed and metal lath applied and replastered.
(d) Add if galvanized conduit is used throughout.

Carl N. Swenson Co., San Jose	(1)	$82,122
	(a)	2,000
	(b)	1,200
	(c)	4,200
	(d)	600
Monson Bros., S. F.	(1)	$88,603
	(a)	1,000
	(b)	2,700
	(c)	3,700
	(d)	700
C. L. Wold, S. F.	(1)	$94,769
	(a)	1,250
	(b)	500
	(c)	1,650
	(d)	950
Wells P. Goodenough, Palo Alto	(1)	$125,908
	(a)	1,500
	(b)	853
	(c)	1,788
	(d)	700

Contract awarded to low bidder.

Bids Opened.
SCHOOL Cost, $9000
DUNNIGAN, Yolo Co., Cal.
One-story wood frame grammar school.
Owner—Dunnigan School District.
Architect — Charles Dean, California State Life Bldg., Sacramento.
Low Bidder—Chas. Unger, 4532 T St. Sacramento.
Complete bids follow:

Chas Unger, Sacramento	$ 9,992
Roth Bros., Woodland	9,997
J. G. Motroni, Woodland	10,824

Bids held under advisement.

To Ask Bids In Ten Days.
SHOP Cost, $7,000
SALINAS, Monterey Co., Calif.
One-story wood frame general shop (steel trusses, wood sash, etc.)
Owner—Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.

Plans Being Completed
SCHOOL Cost, $25,000
WATSONVILLE, Santa Cruz Co., Cal.
Alterations and reconstruction of eight school buildings (grammar and high school buildings).
Owner—Watsonville School District.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
Plans will be forwarded to the State Department of Architecture for approval in about ten days.

Contract Awarded
IMPROVE SCHOOL Cost, $110,000
SAN MATEO COUNTY, Calif.
Structural alterations and additions to San Mateo High and Applied Arts Bldg. and Burlingame High School (work includes steel, brick, concrete and wood reconstruction).
Owner—San Mateo High School Dist.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Contractor—C. L. Wold, 4416 Fulton St., San Francisco.
Work will be done on the San Mateo High School only, omitting Props. Nos. 4 and 5 under Proposal No. 2.
Complete bids published Aug. 7.

FIRE LOSS
SAN FRANCISCO — Fire partially destroyed the Girls' High School located on Geary and Scott Streets, August 18. Construction has been under way to render the building earthquakeproof and was nearing completion. Damage estimated at $200,000. C. L. Wold, is the general contractor on the reconstruction work.

FIRE LOSS
NAPA, Cal. — Fire destroyed the John L. Shearer School, located on Pine Street, Napa, August 16. Damage estimated at $20,000.

FUNDS ALLOTTED
TUCSON, Ariz.—Public Works Administration this week allotted $815,000 to the University of Arizona to finance the construction of new buildings at the University in Tucson. The program includes the following new structures: Science building, liberal arts college, administration building, auditorium, women's gymnasium, museum, infirmary and stables.

FUNDS ALLOTTED
PHOENIX, Ariz.—Public Works Administration this week allotted $27,700 for financing additions to public school buildings in Phoenix.

CONTRACT AWARDED
PALO ALTO, Santa Clara Co., Cal. —W. S. Sterling, 1125 King St., Redwood City, at $2959.19 awarded contract by Palo Alto Board of Education for furnishing and installing steam heating system in the Sherman School. Complete bids follow:
W. S. Sterling, Redwood City..$2959.19
George Bell, Oakland..... 3265.00
Pacific Heating & Ventilating Co., Oakand 3290.00
O'Mara & Stewart, S. F..... 3357.00
Scott Co., San Francisco..... 3498.00
M. J. Reeves, San Francnsco 3672.00
H. P. Hansen, Palo Alto..... 3697.00
Knittle Bros., San Francisco..... 3824.00
Wm. D. Cashel, San Francisco 4150.00
Spangler Sheet Metal Works, Palo Alto 4167.55

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $3500
SACRAMENTO, Sacramento Co., Cal. No. 1030 K Street.
Alterations to building.
Owner—Kimball-Upson Co., 609 K St. Sacramento.
Architect—Not Given.
Contractor—Frank Maloney, 3172 T St., Sacramento.

Contract Awarded.
ALTERATIONS Cost, $2000
SACRAMENTO, Sacramento Co., Cal. No. 2212 T Street.
Repairs to building.
Owner—H. B. Rodhaver, Capitol National Bank Bldg., Sacramento.
Architect—Not Given.
Contractor—Chas. Vanina, 2022 M St., Sacramento.

Contract Awarded.
ALTERATIONS Cost, $8000
SACRAMENTO, Sacramento Co., Cal No. 810 M Street.
Alterations to building.
Owner—H. Livingston, Premises.
Architect—Not Given.
Contractor—Chas. Vanina, 2022 M St., Sacramento.

Planned.
ALTERATIONS Cost, $2000
VALLEJO, Solano Co., Cal. No. 310 Georgia Street.
Alterations to drug store.
Owner — Economy Drug Store, 310 Georgia St., Vallejo.
Architect—Not Given.

Bids Opened
OFFICE BLDG. Cost, $17,000
SACRAMENTO, Sacramento Co., Cal. Front and M Streets.
Office quarters for The River Lines Co. (to replace offices which will be demolished on right-of-way of new M street bridge) wood frame building, 2-story (25x57 feet) galv. iron siding, insulated with fibre board, composition roof, indirect lighting, plumbing and hot water heating system.
Owner—City of Sacramento.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Low Bidder—H. C. Martin, 1417 19th St., Sacramento.
Complete bids follow:
H. C. Martin, Sacramento.....$17,600
C. J. Hopkinson, Sacto..... 17 777
F. H. Betz, Sacramento..... 18,980
Bids held under advisement until August 23.

Contracts Awarded
STORE & MARKET Cost, $10,000
SALINAS, Monterey Co., Calif. 233 Monterey Street.
One-story reinforced concrete store & market (50x110 feet) composition roofing, reinforcing steel, concrete floors, etc.
Owner—Art Sbrana, Salinas.
Plans by Mr. Reese.
Lessee—Joe Nucci, et al, Salinas.
Contractor—E. F. Reese, 35 Santa Lucia Ave., Salinas.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Roofing Trusses — Summerbell Truss Co., 354 Hobart St., Oakland.

Contract Awarded
ALTERATIONS Cost, $2500
OAKLAND, Alameda Co., Calif. 1439 Broadway.
Alterations to store front
Owner—Wm. Smith, 1439 Broadway, Oakland.
Architect—Not Given.
Contractor S. Kulchar, 731 East 10th St., Oakland.

FUNDS ALLOTTED
REDWOOD CITY, San Mateo Co., Cal.—Public Works Administration allotted $146,000 to the County of San Mateo to assist in financing construction of a county office building. $46,000 was an outright grant and a bond election in the amount of $103,000 will probably be called in November. Preliminary plans prepared by Architect Will H. Toepke, 74 New Montgomery St., San Francisco, call for a four-story reinforced concrete structure to house county offices.

To Ask Bids Shortly.
OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Cal. Westerly side El Camino Real at Stanford Avenue.
One-story reinforced concrete office building (45x75 ft.) to contain thirteen offices and clinic treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—Henry C. Collins, Decker Oak Bldg., Palo Alto.

Contract Awarded.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. NE Market and Powell Streets.
Alterations to office building.
Owner—Flood Realty Co., Flood Bldg., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Engineer — T. Ronneberg, Crocker Bldg., San Francisco.
Contractor—H. S. Meinberger, 343 4th St., San Francisco.

Bids Opened
OFFICE BLDG. Cost, $40,000
MARYSVILLE, Yuba Co., Cal. Seventh and B Streets.
One-story brick and reinforced concrete office bldg. (part basement, frame partitions, tile roof.
Owner—State of California (Division of Highways).
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Complete bids follow:

General Work
Campbell Const. Co., 800 R St., Sacramento $33,870
O. S. Almlie, San Francisco..... 35,890
F. H. Betz, Sacramento..... 36,589
W. C. Keating, Sacramento..... 37,300
F. C. Amoroso & Sons, S. F..... 39,652

Plumbing
Frank M. Booth, 222 Third St., Marysville $2,222.00
Scott Co., San Francisco..... 2,657.00
Hately & Hately, Sacramento 2,780.00
Carpenter & Mendenhall, Sacramento 2,792 90
Carl T. Doell Co., Oakland..... 2,857.00
J. J. McDermott, Sacto..... 2,975.00

Heating and Ventilating
(1) deduct for omission of air cooler, main supplemental fan, air filters, temperature control system, etc.
J. J. McDermott, 2401 U St., Sacramento $6,548.00
.....(1) 2,305.00
Frank M. Booth, Marysville....$7,213.00
.....(1) 2,877.00
Scott Co., San Francisco..... ....$7,458.00
.....(1) 3,058.00
Carpenter & Mendenhall, Sacramento $7,510.67
.....(1) 2,700.00
Hately & Hately, Sacramento..$7,521.00
.....(1) 2,760.00
Pacific Heating & Ventilating Co., Oakland $7,620.00
.....(1) 2,699.00
Carl T. Doell Co., Oakland..... $7,685.00
M. J. Reeves Heating Co., San Francisco $8,955.00
.....(1) 2,871.00

Electrical Work
M. P. Canon, 2708 10th Ave., Sacramento $2,396.00
Geo. C. Foss, Sacramento..... 2,512.60
Square Electric Co., Stockton.. 2,517.00
Millers Electric Shop, Marysville 2,575.00
Luppen & Hawley, Sacramento 2,773.00
H. F. Haverkamp, S. F..... 2,998.00

Owner Taking Bids.
PAINTING Cost, $——
SAN FRANCISCO. No. 939 Market Street.
Painting interior and exterior of store building.
Owner—S. H. Kress Co., Premises.
Plans by Engineering Dept. of Owner. Bids will be forwarded to the New York Office of owner for award.

CONTRACTS AWARDED
RIVERSIDE, Cal.—Bakker & Robinson, 732 D St., San Bernardino, awarded contract for alterations to a portion of the three-story and basement department store building on the northeast corner of Ninth and Main Sts., Riverside, for Montgomery, Ward & Co. Other contracts were

awarded as follows: C. E. Stansell, 3547 Market St., Riverside, plumbing and heating; Allen Trusty and Son, Santa Ana, electric wiring; Otis Elevator Co., Los Angeles, freight elevator. Contract for sprinkler system will be awarded later. Improvements will include brick work, structural steel, glass and glazing, ornamental iron, marble work, lathing and plastering, steel sash, metal partitions, roofing, etc. Total cost will exceed $30,000. Plans were prepared by the owner's engineering department, 2825 E. 14th St., Oakland.

ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 639 Van Ness Avenue.
Alterations to sales rooms.
Owner—Cartman Tile Co., Premises.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $2000
PALO ALTO, Santa Clara Co., Cal. No. 423 University Avenue.
Alterations to store building.
Owner—Mrs. Annie F. Plymire, 1004 Cowper St., Palo Alto.
Architect—Not Given.
Contractor — Smith-Burke Co., 130 Byron St., Palo Alto.

Contract Awarded
STORE & RESIDENCE Cost, $——
DALY CITY, San Mateo Co., Calif.
Two-story frame and stucco store and residence (2 stores and five-room residence).
Owner—Not Given.
Architect—Dodge Riedy, Pacific Bldg., San Francisco.
Contractor—R. C. Stahl, Rt. 2, Box 321-H, Redwood City.

18— WHARVES & DOCKS

Sub-Contracts Awarded
WHARF & SHED Cost, $633,600
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Fireproof wharf (1740 feet in length) treated wood piling, transit shed in four continuous units to contain 180,000 sq. ft. of floor space; steel frame and sheet metal siding, built-up roof, elevators, etc.
Owner—City of Stockton Port Commission.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director), City Hall.
Contractor—Robert E. McKee, 108 W. Sixth St., Los Angeles.
Concrete, Rock and Sand—Kaiser Paving Co., Latham Square Building, Oakland, and Atlas Olympic Co., Stockton.
Structural Steel—Ingalls Iron Works, Birmingham, Ala.
Reinforcing Steel—Simmons Bed Co., 295 Bay St., San Francisco.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Rolling Steel Doors—Moeschel Edwards Co., San Francisco.
Metal Cover Doors and Fire Doors—Soule Steel Co., 1750 Army Street, San Francisco.
Steel Rail—United Commercial Co., 234 Steuart St., San Francisco, and Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Plumbing and Heating—W. T. Gibson, 123 S. Grant St., Stockton.
Sprinkler System—Grinnell Co., Fifth and Brannan Sts., San Francisco.
Water System—Miller-Hays Co., 742 E. Weber St., Stockton.
Electrical Work—Con J. Franke, 748 E. Weber St., Stockton.
Pile Driving—J. G. Pomeroy, 355 9th St., San Francisco.
Sheet Metal Work — Fraser Furnace Co., 445 S. San Joaquin St., Stockton.
Mill Work—Union Planing Mill, 735 S. Sutter St., Stockton.
Finish Hardware—Turner Hardware & Implement Co., and Austin Bros., P. O. Box 1581, Stockton.
Vault Door—Herman Safe Co., Howard and Main Sts., San Francisco.
Venetian Blinds—Bates-Carpenter Co. 604 Mission St., San Francisco.
Linoleum—Van Fleet-Freear Co., 557 Howard St., San Francisco.
Roofing—Malott & Peterson, 20th and Harison St., San Francisco.
Glass and Glazing—W. P. Fuller and Co., Stockton.
Painting—Aristo Co., 473 Bryant St., San Francisco.
Excavating, Grading, Etc.—Williard & Biasotti, 40 W. Clay St., Stockton.
Riprap—Basalt Rock Co., 900 8th St., Napa.

19—MISC. CONSTRUCTION

BIDS WANTED
SAN FRANCISCO.—Until Sept. 6, 2 P. M., bids will be received by State Board of Harbor Commissioners, Ferry Bldg., for furnishing and installing six steel rolling doors in the Bulkhead Building at Piers 38 and 40. Plans and specifications may be obtained at Room 18, Union Depot and Ferry Bldg. upon deposit of $10. Frank G. White, chief engineer.

CONTRACTS AWARDED
SAN FRANCISCO. — Fred Medart Mfg. Co., 7 Front St., at $2,700 awarded contract for steel bins, and Standard Fence Co., 440 Bay Shore Blvd., at $630 awarded contract for wire partition by Constructing Quartermaster, Fort Mason, for construction of steel bins, steel benches and construction of a wire partition in Pier Shed No. 1 at Fort Mason. Complete bids published August 7. *

FIRE LOSS
PORTOLA, Plumas Co., Cal.—Fire destroyed buildings in Portola and damage is estimated at $12,000. Buildings destroyed include Alderman Hardware Stone; Pete Nicholos pool hall and the Craig Nicholson residence.

NO BIDS RECEIVED
SAN FRANCISCO. — No bids were received by the San Francisco Board of Supervisors for a franchise to construct and operate a garbage incinerator, under an invitation for bids issued June 12, 1934. The bidder was required to submit plans for incinerator construction and to guarantee performance to specifications under bond.

Construction Postponed Temporarily.
ADDITION Cost, Approx. $30,000
ALAMEDA, Alameda Co., Cal. Central Ave. and Oak St.
Additions to present swimming pool at high school (75x30 ft.) tile finish.
Owner—Alameda High School District (Wm. G. Paden, Secretary).
Architect—Carl Werner, 1303 Bay St., Alameda.

BIDS OPENED
FRANCE FIELD, C. Z.—Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, at $17,646 (Item 1, job complete) and alternate: deduct $50 if sand and stone is used from the Republic of Panama, submitted the only bid received by the Constructing Quartermaster at Fort Mason, for the construction of a gasoline fueling system at France Field.

Bids were also received in Washington, D. C., and at France Field, and will be published shortly. *

CONTRACT AWARDED
PEARL HARBOR, T. H. — Mutual Const. Co., Brooklyn, N. Y., awarded contract by the U. S. Engineer Office, Customhouse, San Francisco, for furnishing three steel shelters for fortifications in the Hawaiian Islands. Delivery fob Brooklyn.

CONTRACT AWARDED
PEARL HARBOR, T. H.—Wellman Engineering Co., 7005 Central Avenue, Cleveland, Ohio, at $68,500 awarded contract by the Bureau of Yards and Docks, Navy Department, Washington D. C., under Spec. No. 7641, for the re-erection of a 200-ton hammerhead crane at the Navy Yard, Pearl Harbor.
The other bids were:
W. P. Thurston, Richmond, Virginia ..... $ 94,000
Walker & Olund, Honolulu..... 102,000

PLANNED
SAN CLEMENTE, Orange Co., Cal. —Edward M. Fowler, 825 Las Palmas Road, Pasadena, and H. H. Cotton, 639 S. Spring St., Los Angeles, contemplate erecting a number of resort buildings at San Clemente, including a casino, hotel, cottages, etc.

Contract Awarded
HOPPER Cost, $4,100
OAKLAND, Alameda Co., Cal. Broadway Tunnel Project.
Construct frame unloading hopper.
Owner—Six Companies of California.
Architect—Not Given.
Contractor—W. E. Lyons Const. Co., 2009 Pacific Ave., Alameda.

LOW BIDDER
COLTON, San Bernardino Co., Cal. —J. R. Lippincott, 714 W Tenth St., Los Angeles, submitted low total bid to Colton city council at $42,799, for moving buildings in connection with the I street widening project in Colton. The work involves the removal of one set of gas pumps and tanks, approximately 42 dwellings, outbuildings where necessary, the construction of new foundations, installation of services, and the removal and replacing of shrubs. Moving and altering 20 business buildings and a gas storage tank is also involved in the widening program but most of this work will be handled separately, the owners negotiating direct with the contractor for necessary alterations. Total estimated cost of moving and replacing the buildings is $85,000, the funds having been appropriated by the state. A. S. Monroe, 725 Citizens' National Bldg., Bldg., Los Angeles, is consulting engineer on the project.

CONTRACT AWARDED
SAN FRANCISCO — M. J. Lynch, 1435 Church St., San Francisco, at $45,831.40 awarded contract by the Department of Public Works, City Hall, for the rehabilitation of the Municipal Pipe Yard at Sixth and Hubbell Sts.

BIDS WANTED
HAMILTON FIELD, Cal. — Until September 5, 10 A. M., bids will be received by the Signal Officer, Headquarters Ninth Corps Area, Presidio of San Francisco, under Bid No. C. P. 1084 SC 35-1, for the construction of extension of under ground telephone cable system at Hamilton Field.

Plans and specifications obtainable from above office upon deposit of $5. Capt. R. B. Woolverton, Contracting Officer. *

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED
SAN FRANCISCO. — Following bids received by the Constructing Quartermaster, Fort Mason, for furnishing under Schedule No. 928-35-34 (1) 33 steel nurses' beds, (2) 33 steel

dressers, (3) 33 steel desks and (4) 33 steel night tables.

Simmons Co. of California,
295 Bay Street .....(1) $11.50
.....(2) 21.75
.....(3) 8.45
.....(4) 5.35

Doehler Metal Furniture Co.,
New York .....*(1) $10.50
.....**(2) 18.58
.....***(3) 6.43
.....****(4) 4.38

Bids held under advisement.

*FOB New York; **fob Grand Rapids, Michigan; *** fob Grand Rapids, Mich.; **** fob Grand Rapids, Mich.

BIDS OPENED

ALHAMBRA, Cal.—Southern Pipe & Casing Co., Azusa, at $5,199.01 submitted low bid to the Alhambra City Commission August 21, for furnishing electric-welded drive steel pipe for installation in Mission Road.

Bids were taken as follows:
(1) 192 ft. 12-in. 12-gauge pipe;
(2) 3430 ft. 16-in. 10-gauge pipe.

The bids were:

Southern Pipe & Casing Co., (1) $1.05; (2) $1.42; total, $5,199.01*.

American Pipe & Steel Corp., (1) $1.06; (2) $1.46; total, $5341.61*.

Consolidated Steel Corp., (1) $1.30; (2) $1.51; total, $5428.90 tax included.

West Coast Pipe Co., (1) $1.10; (2) $1.538; total, $5486.54 tax included.

Southwest Welding & Mfg. Co., (1) $1.20; (2) $1.58; total $5791.05*.

*Tax not included.

All bids held under advisement until August 27.

CONTRACTS AWARDED

LOS ANGELES, Calif. — Contracts were awarded by the Los Angeles Water & Power Bureau, August 16, for black steel pipe; Spec. No. 1476, as follows:

Item 1 to Pennsylvania Iron & Steel Co. at $7,930.00.

Item 2 to Ducommun Corp. at $13,-960.44.

Item 3 to Hacker Pipe & Supply Co. at $6319.

Item 4 to California Pipe & Supply Co. at $4633.75.

Complete bids published August 9.

CONTRACT AWARDED

LOS ANGELES, Cal.—Southwestern Portland Cement Co., 503 Roosevelt Bldg., at $14,700 awarded contract by the Los Angeles County Board of Supervisors for furnishing 6,000 barrels of Portland cement fob site of mill, to be used in connection with the construction of a reinforced concrete conduit in Ballona Creek, between La Brea Ave. and Redondo Blvd

Complete bids published August 1.

CONTRACT AWARDED

LOS ANGELES, Calif.—Los Angeles Iron & Steel Co., 1522 Santa Fe Ave., at $21,421.25 awarded contract by the Los Angeles County Board of Supervisors, August 20, for furnishing reinforcing steel to be used in connection with the construction of a reinforced concrete conduit in Ballona Creek between La Brea Avenue and Redondo Blvd.

Complete bids published August 1.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1143, for furnishing 3 Vortex tube semi-steel castings:

(1) fob bidder's plant;
(2) fob McCloud.

Pacific Foundry Corp., San Francisco, (1) $335.00.

General Metals Corp., Oakland, (1) $402.75; (2) $423.75.

American Foundry Co., Alameda, (1) $336.00.

Enterprise Foundry Corp. San Francisco, (1) $364.50; (2) $404.00.

Golden State & Miners Iron Works, San Francisco, (1) $507.00.

Pacific Coast Engr. Co., Oakland, (1) $285.00; (2) $320.00.

Vulcan Foundry Co., Oakland, (1) $620.25.

Bids held under advisement.

CONTRACT AWARDED

EUREKA, Cal. — Eureka Boiler Works & Steel Products Co., Foot of T St., Eureka, at $5582.50 awarded contract by the Eureka City Council August 21, for furnishing 5005 lin. ft. of 8-in. Class B AWWA or Mono cast or centrifugal cast, Bell & Spigot cast iron water pipe, guaranteed to stand 150 lbs. of Hydro Static Test required for Class B AWWA Standard.

BIDS OPENED

FORT PECK, Montana— Following bids received by the U. S. Engineer Office, Postal Telegraph Bldg., Kansas City, Mo., for furnishing railroad ties for the Fort Peck Construction Railroad:

Schutte Lumber Co., Kansas City, Mo., (shipping point) Tacoma, Wash., $3621.60*

Morrill & Sturgeon Lumber Co., Portland (1) Longview, Wash., $3663.67

W. O. Hutchinson, Whitefish, Mont., (1) Whitefish, Mont., $3879.92.

Crocker & Gulles Lumber Co., Bonners Ferry (1) Bonners Ferry, Idaho, $4078.04.

Karlen-Davis Lumber Co., Tacoma, Wash. (1) Tacoma, $4218.76.

Corvallis Lumbeear Co., Corvallis, Oregon (1) Corvallis, $4415.88.

A. O. Thompson Lumber Co., Kansas City, Mo., (Alt.) Myrtle Creek, Oregon, $4437.79.

Nebraska Bridge Supply & Lumber Co., Omaha (1) Eugene or Monroe Oreg., $4447.43.

Pacific Lumber & Shipping Co., Seattle (1) Curlew, Wash., $4594.46.

B. F. Veerland, Denver, Colo., (1) Wauna, Oregon $4676.16.

J. A. Irwin Co., Portland, Oregon, (1) Wauna, Oregon, $4691.52.

Dewey Lumber Co., Poison, Montana, (1) Polson, Montana, $4747.50**

McCormick Supply Co., 527 Sheldon Bldg., S. F., (1) Myrtle Creek, Oregon, $4877.81.

A. O. Thompson Lumber Co., Kansas City, Mo. (1) Myrtle Creek, Oreg., $4877.81.

Union Lumber Co., Crocker Bldg., San Francisco (1) Fort Brass, Calif., $8000.38*

Henry Good, Kalispell, Montana, (1) Kalispell, Montana, $3554.56**

*Bid not in accordance with specifications.

**Informal bids, not in accordance with specificatiins.

All bids held under advisement.

BIDS OPENED

OAKLAND, Cal. — American Concrete & Steel Pipe Co., 19th and Estuary Sts., Oakland, at $7.75 per lin. ft., total $3224, submitted the only bid to the East Bay Municipal Utility District for furnishing 416 lin. ft. of 48-in. reinforced concrete pipe for Orinda, uder Proposal No. 551.

Bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Sulphur Chemical Co., 624 California St., San Francisco, at $28.19 per ton with a total of $28,-190 submitted low bid to East Bay Municipal Utility District for furnishing 1000 tons of aluminum suplhate. Only other bid was submitted by General Chemical Co., San Francisco, at $28.59 per ton with a total of $28,-590. Bids held under advisement.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

Phone TRinity 0241 for —Consolidated Rock Products Co.

Rock-Sand-Gravel-Plaster

Cement-Mixed Mortar-Stucco

Lath-Lime Putty-Reinforcing Steel

656 S. Los Angeles St. Los Angeles, Calif.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies materials and equipment, as follows.

WATER SOFTENER UNIT, consisting of filter, salt solution tank, interconnecting piping, control valves, water meter and accessories; East or West Yard. Sch. 3117; August 28.

CHAIRS, aluminus, approximately 1200; East and West Yards. Sch. 3111; August 28.

STEEL, bar; East and West Yards. Sch. 3095; August 28.

IRONER, flat-work laundry; Mare Island. Sch. 3138· August 28.

TUBES, vacuum; East & West Yards. Sch. 3136; Aug. 28.

PAILS, paint, 45,000; Mare Island. Sch. 3172; August 28.

BRICK, fire, and clay and cement, etc· East and West Yards. Sch. 3075; August 31.

TUBES, 25,000 lbs. admiralty metal condenser; Puget Sound. Sch. 3113; August 31.

PIGMENT, dry titanium, 450,000 lbs. Mare Island. Sch. 3127; Aug. 31.

NAPHTHA, coal-tar, 8000 gals.; Mare Island. Sch. 3128; August 31.

NOZZLES and diaphragms for turbines; East and West Yards. Sch. 3093; August 31.

ARC-WELDING machine; Mare Island. Sch. 3243; August 31.

Specifications obtainable from the above office.

MARE ISLAND, Cal.—Until August 30, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., under Req. No. 113-NSA and 116-NSA, for furnishing lumber as follows for Mare Island Navy Yard:

(1) 350 MFBM softwood lumber, yard rough, dimension, plank, No. 1 common, Douglas fir or spruce.

(2) 290 MFBM softwood lumber, yard rough, dimension, scantling No. 1 common, Douglas fir or spruce.

(3) 20 MFBM softwood lumber, yard rough, finish, Grade B and better, Douglas fir or spruce.

(4) 19 MFBM softwood lumber, rough joints and plank, plank, ship, Douglas fir.

(5) 534 MFBM post and timbers, common, No. 1, Douglas fir.

(6) 35 MFBM softwood lumber, yard rough, flooring, factory, clear, 75% of face, vertical grain, Douglas fir.

Alternate bids will be taken for delivery at contractor's loading dock, stowed and trimmed into commercial vessel, or fas designated Navy Yard pier, Mare Island Navy Yard.

Specifications obtainable from the Supply Officer of any navy yard, the Navy Purchasing Office, New York City and San Francisco; and from the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C. •

CALIFORNIA STATE

SACRAMENTO, Cal.—Until Sept. 5, 10 A. M., bids will be received by the State Purchasing Agent, 323 State Capitol, Sacramento, for furnishing miscellaneous equipment, as follows:

Requisition HS-8099: One "V" type plow, with side wing, for installation on 5-ton, 4-wheel drive truck; fob Sacramento.

Req. 17290: One rigid blade speed snow plow, for installation on a 2-ton truck, 2-wheel drive; fob Redding.

Req. 17305: Five rigid blade heavy duty speed plows, for installation on 4-ton, 4-wheel drive truck; fob Redding.

Req. 13117: One reversible type rigid blade snow plow, for installation on 2- to 2½-ton 4-wheel drive truck; fob Sacramento.

Req. 13121: Two one-way rigid blade speed snow plows for installation on 2- to 2½-ton 4-wheel drive trucks; fob Sacramento.

Req. 13122: Two one-way rigid blade speed snow plows for FWD Model CU6 trucks, year 1931, 60-in. tread; fob Sacramento.

Req. 13139& One rigid blade one-way type speed snow plow for installation of GMC 2-ton truck; fob Sacramento.

Req. 6845: One speed snow plow suitable for installing on a Model K-47 Dodge truck; fob North Hollywood.

Req. 6845½ One straight blade reversible snow plow suitable for installation on 2½ - ton 4 - wheel drive truck; fob North Hollywood.

Req. 6846: One "V" type speed snow plow for mounting on a 4-ton 4-wheel drive truck; fob North Hollywood.

Req. 1499: Two one-way rigid blade speed snow plows, for installation on 3-ton Series E Dodge trucks; fob San Bernardino.

Req. 1510: Two "V" type snow plows with side wings, to be installed on 1-wheel drive truck; fob San Bernardino

Req. 8239: One heavy duty speed blade snow plow, complete with fittings, to be installed on 4-ton 4-wheel drive truck; fob Sacramento.

Specifications obtainable form above office. •

WAR DEPARTMENT

MONTEREY, Monterey Co., Cal.—Until Sept. 1, 11 A. M., bids will be received by John T. Sallee, Capt., Q. M. Corps, District Quartermaster, Presidio of Monterey, for furnishing materials for the construction of a CCC camp at Tiber, three miles north of Pismo Beach. Classes of materials and approximate quantities to be delivered to the camp site are as follows: 208,000 ft. b.m. miscellaneous lumber; 330 sacks cement, fibre-board, 150 windows, sashes, etc., 200 rolls roofing, 170 rolls insulating felt, 16,000 sq. ft. prepared floor covering, plumbing, water heating, sheet metal and electrical materials and 600 ft. 6-in. sewer pipe. Proposal forms, specifications and other bidding data may be obtained from the above office.

SAN FRANCISCO CITY

SAN FRANCISCO — Until August 27, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1259, for furnishing 5000 yds. top spit black loam for the Park Department.

Specifications obtainable from above office. •

SAN FRANCISCO—Until August 27, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing 480 special metal stools for the County Jail.

Specifications may be obtained from above office. •

SAN FRANCISCO.—Until August 27, 2 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Sale No. 113, for the sale of the following:

Lot No. 1: Approximately 15 tons of scrap cast iron, located at 639 Bryant St., and approximately 8 tons of scrap steel at the same location.

Lot No. 2: Approximately one ton of scrap brass located at 639 Bryant St.

The above material may be inspected at 639 Bryant St.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Aug. 31, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing weatherproof insulated copper wire under Spec. No. 1487. Bids will be taken as follows:

(1) 30,000 lbs. No. 4 AWG medium hard drawn, 1-strand, triple braid, weatherproof, insulated copper wire.

(2) 10,000 lbs. No. 6 AWG medium hard drawn, 1-strand, triple braid, weatherproof, insulated copper wire.

LOS ANGELES, Cal.—Until August 28, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing shaft and tunnel lumber for the department's Mono Basin Project, under Spec. No. 1490.

The bids will be taken as follows:

(1) For furnishing approximately 64-268 bd. ft. lumber for the West Portal Camp: (a) fob car bidder's mill; (b) fob cars or department's trucks Los Angeles Harbor; (c) fob cars Lone Pine; (d) fob delivered to camp site.

(2) For furnishing approximately 64-286 bd. ft. lumber for the East Portal Camp: (a) fob car bidder's mill; (b) fob cars or department's trucks Los Angeles Harbor; (c) fob cars Lone Pine; (d) fob delivered to camp site.

(3) Furnishing approximately 198,-014 bd. ft. lumber for Shaft No. One Camp: (a) fob car bidder's mill; (b) fob cars or department's trucks Los Angeles Harbor; (c) fob cars Lone Pine; (d) fob delivered to camp site.

(4) For furnishing approximately 82-686 bd. ft. lumber for Shaft No. Two Camp: (a) fob car bidder's mill; (b) fob cars or department's trucks Los Angeles Harbor; (c) fob cars Lone Pine; (d) fob delivered to camp site.

TULARE COUNTY

TERRA BELLA, Tulare Co., Cal.—Until August 27, 8 P. M., bids will be received by the Board of Trustees of the Terra Bella Union Grammar School District for furnishing one school bus of 55 to 63 grammar school student capacity, all steel body, etc. Full price not to exceed $3350.

Specifications obtainable from the above office. W. C. Bradford, Secretary. •

MADERA COUNTY

WISHON, Madera Co., Calif.—Until August 27, 7:30 P. M., bids will be received by the Board of Trustees of the Bass Lake School District, Northfork, P. O. McAllister, Clerk, for furnishing one school bus with a seating capacity of 21 or more.

Specifications obtainable from the above office. •

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

LAKE COUNTY, Cal.—C. E. Beach Lakeport, at $1544 submitted low bid and awarded contract by the Lake County Board of Supervisors, Fred H. Merritt, County Clerk, for the construction of two bridges on the Lakeport Highland Springs Road, between the Berryman residence and intersection of the road leading from Highland Springs Road to the Hopland Highway. The other bids were:

C. G. Cromwell, Lakeport	$1735
A. O. Lightford, Upper Lake	1739
R. I. Slyter, San Anselmo	2600

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the state highway work advertised for opening in Los Angeles on Sept. 6.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished at cost and become the property of the purchaser. The following table shows the cost of such blue prints for the work now advertised:

Los Angeles County, Alhambra wash bridges and approach: Plans: 21 sheets cost $2.10; Cross-Sections: 15 sheets, cost, $1.50; total $3.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to office of the State Highway Engineer, P. O. Box 1499, Sacramento.

PLANNED

FRESNO AND KINGS COUNTIES, Cal.—Plans are being made for reconstruction of a 510-foot timber bridge over the Kings river, between Fresno and Kings Counties which was destroyed by fire. Estimated cost of rebuilding is $20,000 to be shared by Fresno and Kings Counties. Plans will be prepared by Chris. Jensen, Fresno County Surveyor and Roy May Kings County Surveyor.

BIDS WANTED

LAKEPORT, Lake Co., Cal.—Until Sept. 4, 8 P. M., bids will be received by the Lakeport City Council, D. W. Dillard, City Clerk, for the construction of two cement bridges, with and without retaining walls.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

SANTA BARBARA COUNTY, Calif. —Theo. M. Maino, 1424 Mill St., San Luis Obispo, at $12,818 awarded contract by the State Highway Commission, Sacramento, for construction of a reinforced concrete bridge in Santa Barbara County at Las Positas Road at the Santa Barbara city limits.

CONTRACT AWARDED

KINGS COUNTY, Cal.—J. W. Halterman, Willows, at $21,208 awarded contract by the State Highway Commission, Sacramento, for the construction of a culvert across Melga Ditch, a bridge across Lakeside Canal, and a bridge across Cross Creek, in Kings County.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—John D. Carlson, 1331 Sierra Ave., San Jose, at $7618 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, Courthouse, San Jose, for the construction of a reinforced concrete bridge on Alma-Soda Springs Road over Cavanaugh Creek, in District No. 5. Complete bids follow:

John D. Carlson, San Jose	$ 7,618.00
Sam Sciarrino, San Jose	7,749.00
O. G. Ritchie, San Jose	8,220.00
Earl W. Heple, San Jose	8,934.00
C. Cacitti, Los Gatos	9,142.89
E. S. and W. S. Johnson	11,448.00
Engineer's Estimate	7,300.00

BIDS OPENED

LOS ANGELES, Cal.—C. F. Robbins and J. P. Immel, P. O. Box 902, Ventura, at $51,950 submitted low bid to the Los Angeles County Board of Supervisors, August 20, for the construction of a reinforced concrete bridge at Dark Canyon on Barnham Blvd., over the Los Angeles river. The proposed bridge will consist of seven 40-ft. spans with a 44-ft. roadway, concrete piles, steel girders, concrete deck and ornamental iron railing.

Complete bids follow:

C. F. Robbins and J. P. Immel, Ventura	$51,950
Oscar Oberg, Los Angeles	53,333
Byerts & Dunn, Los Angeles	53,889
Wm. T. Loesch & Son, Pasadena and E. G. Perham, Los Angeles	54,101
Atlas Const. Co., Pasadena	54,400
O'Neal & Son, Los Angeles	54,870
R. A. Bell, Los Angeles	54,950
Sharp & Fellows Contr. Co., Los Angeles	56,027
M. H. Golden, San Diego	56,700
R. R. Bishop, Long Beach	57,900
Bannister - Field Co., Ltd. L. A.	57,977
C. Bongiovanni Const. Co., Hollywood	58,055
John Strona, Pomona	58,741
E. S. McKittrick Co. Inc., Huntington Park and J. E. Burrell, Long Beach	59,531
D. J. Reed & Jos. Maiser, L. A.	62,900

The three low bids were taken under advisement; all others rejected.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

MARIN COUNTY, Cal.—Until Sept. 4, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Rm. 211, State Bldg. San Francisco, for repairing protection fenders and constructing pile protection on the bridge across Corte Madera Creek at Greenbrae, Marin Co.

The work involves 1,400 l.f. of pile protection in place.

Plans and specifications obtainable from the above office.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SAN DIEGO, Calif.—M. H. Golden, 404 California Bank Bldg., San Diego, at $27,200 submitted low bid to the Public Works Officer, 11th Naval District, San Diego, August 21, under Spec. No. 7771, for installing dolphins and floats for dredged area for floating dry dock at the Naval Operating Base (Destroyer Base), San Diego. The work includes the provision of materials for and the installation of two 22-pile anchorage dolphins; two 14-pile anchorage dolphins; six 19-pile fender dolphins; nine 3-pile anchorages; two floats approximately 14-ft. wide by 40-ft. long, and four brows.

Bids were taken as follows:

(1) work complete;
(2) omitting 2 floats and 4 brows;
(3) cost of 2 floats and 4 brows;
(4) price each for omitting fender dolphins (not to exceed 4).

Bidders were:

(A) M. H. Golden, San Diego.
(B) V. R. Dennis Const. Co., San Diego.
(C) B. O. Larsen, San Diego.
(D) Chas. and F. W. Steffgen.

Unit bids follow:

	(1)	(2)	(3)	(4)
(A)	$27,200	$24,200	$3,500	$1,080
(B)	30,185	25,960	4,900	1,200
(C)	28,300	26,150	4,000	940
(D)	28,300	24,372	3.648	1,000

Bids held under advisement.

CONTRACT AWARDED

COCO SOLO, C. Z. — Tucker McClure, P. O. Box 5035, Cristobal, C. Z., at $74,920 awarded contract by the Bureau of Yards and Docks, Navy Department, Washington, D. ., for the construction of an earth filled sheet steel pile pier with ducts and service piping, etc., at the Naval Submarine Base, Coco Solo, Canal Zone, under Spec. No. 7731.

BIDS OPENED

THE DALLES, Ore.—J. C. Papin, Carson, Wash., at $2,670 submitted the low bid to the U. S. Engineer Office, Customhouse, Portland, under Bid No. 35-66, for the removal of about 1,500 c.y. of rock ledge and pinnacles, all above low water, in Columbia River at Three Mile Rapids, about 2.5 miles east of The Dalles.

Complete bids follow:

J. C. Papin, Carson, Wash	$2,670
Louis Angelus, Medford, Ore	3,750
C. T. Malcolm, Portland	4,500
Portland Dredging Co	5,625
Schmitt Const. Co., Portland	7,425
Hurlburt & Wright, Hood River	7,425
Engineer's estimate	7,500

The bid of Louis Angelus was not accompanied by bond nor any other form of guarantee. All bids held under advisement.

23— IRRIGATION PROJ.

LOW BIDDERS

VALE, Oregon.—A combination bid submitted by Haas, Doty, Jones, Marshall and Stacey, San Francisco, at $65,204 was the low bid received by the U. S. Bureau of Reclamation, Vale Oregon, under Spec. No. 579, August 16, for the construction of earthwork and structures, Vale Main Canal, Station 2450 plus 00 to Station 3891 plus 70, Vale Project, located near Vale and Jamieson, Oregon.

Morrison-Knudsen Co., Boise, Idaho, at $68,003, and J. A. Terteling & Sons, Boise, at $70,189, submitted second and third low bids respectively.

BONDS DEFEATED

TURLOCK, Cal.—Voters of Turlock Irrigation District defeated a proposed bond issue of $311,000 to secure a PWA loan and grant allotted to the district for concrete lining of canals.

24— STREET LIGHTING SYSTEMS

PLANNED

SAN LUIS OBISPO, Cal.—San Luis Obispo City Council has authorized installation of overhead electric lighting units on Osos St. between Pacific St. and Terrace Hill by the Midland Counties Company. If the lights prove satisfactory the installation will be made permanent and will be extended to other streets, replacing gas lights.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

FRESNO, Fresno Co., Cal.—Following bids received by the Fresno City Commission, H. S. Foster, City Clerk, August 16, for furnishing nine motor trucks complete with enclosed cab, gross weight capacity not less than 9,300 lbs., etc.:

O. W. Hunziker Motor Co., Fresno (Ford) $7848.72; Elliott Bradley, Fresno, (Ford) $7929; Logan Automobile Co., (Reo) $9178.87; Federal Motor Truck Co., S. F. (Federal) $10,053; and $12,750.30; White Co., Fresno (White Motor) $14,634.27; Rodman Chevrolet Co., Fresno (Chevrolet) $7,628.58; W. G. Walsh, Fresno, (Stewart Trucks) $1,066.45 each; Robinson-Marshall Motors Co., Fresno (Studebaker) $9,000; Getchell & Roed, Fresno, (G M C Trucks) $7863.30 and $8716.33; Pierson & Pierson, Fresno (International) $8-754.37; Frank E. Beckett, Inc., Fresno (Dodge) $7981.56.

All bids referred to Commissioner of Public Works Jean L. Vincenz, and the city attorney. *

BIDS OPENED

SAN FRANCISCO—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1255, for furnishing one tractor power lawn mower. Bids were taken as follows:

(1) Toro Tractor, Model B;
(2) 30" Standard Toro Units;
(3) Lump sum for 1 and 2.

The bids were:

H. V. Carter Co., (1) $880; (2) $440; (3) $1320. Delivery 1 day.

Jenison Machinery Co., (2) $352. Delivery 1 to 2 days.

C. F. Bishop Co., (1) $970; (2) $405; (3) $1375. Delivery at once.

BIDS OPENED

MONTEREY, Cal.—Identical bids at $190 each, no discount, were received by the State Purchasing Agent, Sacramento, under Quotation No. 5358, Req. 9129, for furnishing 2 heavy weight jackhammer drills for ⅞" steel from the following:

Sullivan Machinery; Gardner Denver Co.; Chicago Pneumatic Tool Co.; Worthington Co.; Rix Co.; Cleveland Rock Drill Co., and Ingersoll - Rand Co.

Delivery f.o.b. Big Sur Route, Monterey, Division of Highways, Shop 5.

BIDS WANTED

BOULDER CANYON, Nev.—Following bids received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 623-D, August 20, 2 P. M., for furnishing turbine flow meters for Boulder Power Plant, Boulder Canyon Project:

Bailey Meter Co., (shipping point) Cleveland, Ohio; (fob paint) Boulder City; (discount) net; (1) $3,155.

Foxboro Co., Foxboro, Mass.; Foxboro; net; $2,726.

Leeds & Northrup Co., Philadelphia, Pa.; Philadelphia; net; $2,838.

Simplex Valve & Meter Co., Philadelphia, Pa.; Philadelphia; 1%; $2,-235; (1-Alt.) $3,735.

All bids held under advisement.

CONTRACTS AWARDED

LAKE COUNTY, Cal.—F. H. Norton, Kelseyville, at $990.66 and Sacramento Tractor Equipment Co., Sacramento, at $1625 awarded contracts by the Lake County Board of Supervisors, Fred H. Merritt, County Clerk, for furnishing one 1½ yd. hydraulic dump truck and one used 1933 model Allis-Chalmers 35-h. p. tractor, respectively.

BIDS OPENED

FRESNO, Cal.—Following bids received by the California Forest Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing the following f.o.b. Fresno

(1) Electric plant, gasoline driven, fully automatic, direct connected, D. C., 2 K. W., 115 volt;
(2) Electric plant, gasoline driven, fully automatic, direct connected, D. C., 5 K. W., 115 volts;
(3) Changeover multiple switch gear to operate in parallel.

Fairbanks-Morse Co., $1053 (Diesel Engine).

Smith Booth Usher, $1484.

Kohler Co., $1151.

All bids held under advisement. No alternate bids received. *

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing internal combustion engines and accessories for irrigation and drainage pumping plants, for Colorado River Indian Reservation, Ariz., under Spec. No. F. P. 263, were opened by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, August 15. The bids were:

Fairbanks-Morse Co., (1) $2080.39 ea., total for four $8321.56, f.o.b. Beloit, Wis. and Los Angeles, delivery 60 days, shipping weight 8081 lbs. each, $2142.25 each; total four units, $8569, f.o.b. Los Angeles; $2174.57 each, total four units, f.o.b. Parker, Ariz., $8698.28 Parts and tools, $119.40, $127.05 f.o.b. Los Angeles, and $128.25 f.o.b. Parker, Arizona. Shipping weight parts and tools 300 lbs. Installation four units $733.60 within 20 days. Motor six cylinders, 4¼ by 6½, 60 h. p., 1200 r.p.m.

Smith Booth Usher Co., (1) $2606.35 each; total for four engines, $10,-425.40; spare parts and tools, $183.10 f.o.b. Waukesha, Wis., Los Angeles and Hartford, Conn.; shipping weight 8390 lbs. each. Installation $485 each, total for four engines, $1950, 20 days for installation, 4 cylinders, 6x6½, 70 h. p., 1050 r.p.m.

American Diesel Engine Co., (1) $2,-885.80 each; total for four engines, $11,543.20; $168.20 for parts and tools, f.o.b. San Francisco, 60 days, shipping weight 7903 lbs. each, parts and tools 100 lbs., installation $200 each, $500 for four engines, installation within 20 days, 4 cylinders, 5½ x 7, 1200 r.p.m. Discount 2% 10 days.

The Buda Co., (1) $3184 each; total for four engines, $12,736, f. o. b. cars at Harvey, Ill., 60 days, 4 cylinders, 6x8, 90 h.p .; 900 r.p.m.

Worthington Pump & Machinery Co., (1) $3529 each; total for four engines, $14,116; spare parts $483.40. Price for one $3829, for two $3729 each, for three $3629 each, f.o.b. Buffalo, N. Y., and Los Angeles, shipping weight 7200 lbs. each, installation $464 each, total for four engines, $1876. Installation for one engine, $1265; for two $750 each; for three $750 each. Shipping weight for spare parts 400 lbs. Two cylinders, 8 x 10½, 600 r.p.m.. *

BIDS OPENED

FRESNO, Cal.—Following bids received by the Fresno City Commission, H. S. Foster, City Clerk, for furnishing one ½ cu. yd. Caterpillar type, full revolving, gasoline power crane, equipped for drag line or clam shell operation complete with ½ c. yd. clam shell bucket, etc.:

D. O. C. Constr. Co., Santa Barbara, Model OB Buckeye (used) with boom and Type "O" Owens Bucket, $2875; Model OB Buckeye (used) with new boom and bucket $3200.

Budd & Quinn, Fresno, Speeder ½ yd. (no bucket) $6856; Fairlead, $75; Used Type "J" Owens Bucket, $266; Nek Type "J" Owens Bucket $686; New Type "J" 30" Owens Bucket, $776. 2% 5 days.

U. S. Machinery Co., Sacramento, P. & H. 300 (used), complete $3850.

Edward K. Bacon Co., Fresno, Byers ½ yd. complete with Model XO-Erie Clamshell Bucket, $6740; Byers ½ yd. complete with Model MSD Mead-Morrison Clamshell Bucket, $6640. Cash discount 30 days, $124.

Spears-Wells Machinery Co., Oakland, General Excavator ½ yd., $5299.95 General Excavator ½ yd., $4535; General Excavator, ½ yd. (used), $4035; Model "O" Owens Bucket (used), $275; New 26" Bucket, $695; New 30" Bucket, $785.

Associated Equipment Co., Ltd., San Francisco, Lorain Model L-40, $7005; Lorain Model L-37, $6591; Thew "00", $4480; Universal Lorain 35, $5601; P. & H. 300 (used) $2100; Blaw Knox 607 Bucket, $628

Bucyrus Erie Co., San Francisco, Model 16-B f.o.b. Erie, $6315; Model 16-B f.o.b. Fresno, with Bucket, $7503.

Harnischfeger Sales Corp., San Francisco, P. & H. 300, $7373; P. & H. 300, $7587; P. & H., 300 (rebuilt), $4649; P. & H. 300 (rebuilt), $4725; Dragline Bucket, $395.76; Blaw Knox Clamshell Bucket, $629.44; Owens Clamshell Bucket, $639.75; Williams Clamshell Bucket, $669.81 Page "RC" Dragline Bucket, $385.89.

Weber & Co., San Francisco, Browning Model E-2, $7215.

Dutton Dredge Co., Pittsburg, P. & H. 400 (used), $4900.

Harron, Rickard & McCone, San Francisco, Insley Type "R", $6205

Norris K. Davis Co., San Francisco, Hansen Model 42-L, $5362.65; Hansen Model 42-L, less bucket, $5475; Hansen Model 42-L combination, $5444; Blaw Knox Clamshell Bucket, $603.05; Owens Clamshell Bucket, $620.15; Williams Clamshell Bucket, $531.45; Baw Knox ½ yd. Dragline Bucket $450.

Bay City Shovel Co., San Francisco, Model 30, $6794.75; Model K-2 (used) $5460; Model K-2 (used), $4860.

Kuhn Bros., Long Beach, Northwest ½ yd. Model 2 (used), $5790; deduct for shovel attachment, $500.

Northwest Engineering Co., San Francisco, Northwest Model 2 (rebuilt) $4325; Northwest Model 2 (new) $7830; add for buckets, used model "J" Owens, $275; New Owens, $695; New Blaw Knox, $630.

All bids referred to Commissioner of Public Works, Jean L. Vincenz, and the City Attorney.

BIDS OPENED

SAN BERNARDINO, Cal.—Following bids received by the State Purchasing Agent, Sacramento, for furnishing one pneumatic tired dual or tandem-driven motor-grader f.o.b. San Bernardio Shop 3, under Quotation 5272, Req. 1497:

Brown Bevis	$3763.50
Smith Booth Usher	3791.00
J. D. Adams Co.	3971.00
Austin Western Road Mchy.	3791.00
Freeland Tractor Co.	3911.00

All bids 2% 30 days.

CONTRACT AWARDED

LOS ANGELES, Calif. — Fairbanks-Morse & Co., 2401 Santa Fe Avenue, Los Angeles, awarded contract by the U. S. Forest Service, Los Angeles, August 17, for furnishing an engine and pump under Bid No. D.P.M. 420.

26— RAILROADS

BIDS WANTED

MULTNOMAH COUNTY, Oregon—Until August 31, 3 P. M., as previously reported, bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Major C. F. Williams, District Engineer, under Bid No. 35-92 for constructing a railroad grade, including tunnel work, bridge and foundation work, grading for road changes, extensions or additions, installation of drainage pipes and openings, a construction camp and pertinent facilities for 200 or more men and all incidental work required on or in connection with the Sections "A" and "C" of the relocated line of the Oregon-Washington Railroad & Navigation Company's line of railroad between post 37.58 and Cascade Locks, Multnomah County, Oregon.

It shall also include the loading from stock pile in Bonneville, Oregon, hauling and placing of loose rock or hand placed riprap along the present operated line in such locations as directed by the contracting officer between the same points.

Section ("A" includes all that portion of the work lying between mile post 37.58 Engineers Station 2059+06.2 and Engineers Station 2130+50.

Section "C" includes all that portion of the work lying between Engineers Station 2162 and Engineers Station 2183+50.

SCHEDULE NO. 1

ROADWAY DRAINAGE & GRADING

(1) 35 acres clearing;
(2) 120,000 cu. yds. excav., solid rock
(3) 25,000 cu. yds. excav., medium;
(4) 20,000 cu. yds. excav., common;
(5) 1,250,000 sta. yds. overhaul (excavation);
(6) 25,000 cu. yds. borrow, solid rock
(7) 200,000 cu. yds. borrow, unclassified;
(8) 9,000,000 sta. yds. overhaul (borrow);

STRUCTURES

(9) 900 cu. yds. wet excavation;
(10) 2200 cu. yds. Class B concrete;
(11) 16,000 lin. ft. timber piling in place below cutoff;
(12) 4000 lin. ft. timber piling above cutoff;

TANNER CREEK VIADUCT

(13) 1250 cu. yds. Class A concrete;
(14) 5250 cu. yds. Class B concrete;
(15) 640,000 lbs. reinforcement in place;
(16) 60 tons placing and erecting structural steel;
(17) 60 tons painting structural steel;

TUNNEL WORK

(18) 25,000 cu. yds. tunnel excavation
(19) 5500 cu. yds. concrete tunnel lining and portals;
(20) 112,000 lbs. tunnel reinforcement in place;

PIPE CULVERTS

(21) 400 lin. ft. corrugated galvanized steel pipe, 18-in. dia., 12 gauge;
(22) 315 lin. ft. corrugated galvanized steel pipe, 24-in. dia., 10 gauge;
(23) 50 lin. ft. corrugated galvanized steel pipe, 36-in. dia., 10 gauge;
(24) 40 lin. ft. corrugated galvanized steel pipe, 42-in. dia., 10 gauge;

RIPRAPPING

(25) 300,000 cu. yds. rock riprap, in place;

CONSTRUCTION CAMP

(26) 1 job mess hall and kitchen;
(27) 17 each bunk houses;
(28) 1 job bath house;
(29) 8 MFBF sidewalks and steps;
(30) 200 lin. ft. 2½-in. galv. steel pipe water main in place;
(31) 70 lin. ft. 1½-in. galvanized steel pipe water main in place;
(32) 2 each 2½-in. galvanized steel fire hydrants in place;
(33) 1 job hose cart and hose with attachments furnished.

SCHEDULE NO. 2

ROADWAY, DRAINIGE & GRADING

(1) 35 acres clearing;
(2) 120,000 cu. yds. excav., solid rock
(3) 25,000 cu. yds. excav., medium;
(4) 20,000 cu. yds. excav., common;
(5) 1,250,000 sta. yds. overhaul (excavation);
(6) 30,000 cu. yds. borrow, solid rock
(7) 280,000 cu. yds. borrow, unclass.;
(8) 12,000,000 sta. yds. overhaul (borrow);

STRUCTURES

(9) 800 cu. yds. wet excavation;
(10) 300 cu. yds. Class A concrete;
(11) 5800 cu. yds. Class B concrete;
(12) 13,000 lin. ft. timber piling in place below cutoff;
(13) 3500 lin. ft. timber piling above cutoff;
(14) 100,000 lbs. reinforcement in place;

UNDER PASS—STATION 2113 PLUS

(15) 1 job placing and erecting girder beam deck;
(16) 1 job furnishing and erecting pipe railing;

TUNNEL WORK

(17) 25,000 cu. yds. tunnel excavation
(18) 5500 cu. yds. concrete tunnel lining and portals;
(19) 112,000 lbs. tunnel reinforcement in place;

PIPE CULVERTS

(20) 400 lin. ft. corrugated galv. steel pipe, 18-in. dia., 12 gauge;
(21) 315 lin. ft. corrugated galv. steel pipe, 24-in. dia., 10 gauge;
(22) 50 lin. ft. corrugated galv. steel pipe, 36-in. diameter, 10 gauge;
(23) 40 lin. ft. corrugated galv. steel pipe, 42-in. dia., 10 gauge;

RIPRAPPING

(24) 300,000 cu. yds. rock ripraping in place;

CONSTRUCTION CAMP

(25) 1 job mess hall and kitchen;
(26) 17 each bunk houses;
(27) 1 job bath house;
(28) 8 MFBM sidewalks and steps;
(29) 200 lin. ft. 2½-in. galv. steel pipe water main in place;
(30) 70 lin. ft. 1½-in. galv. steel pipe water main in place;
(31) 2 each 2½-in. diameter galv. steel fire hydrants in place;
(32) 1 job hose cart and hose with attachment furnished.

Plans and specifications obtainable from the U. S. Engineer's Office Bonneville Dam Section, 341 Pittock Block, Portland, and on file at the U. S. District Engineer's Office, 401 Customhouse, San Francisco.

27—FIRE ALARM SYSTEM

CONTRACT AWARDED

MERCED, Cal.—The Gamewell Co., 12th and Broadway, Los Angeles, at $1848.25 submitted only bid and was awarded contract by the Merced City Council for construction of a fire alarm system consisting of an automatic compressed air signal to replace present Bell system. W. T. Clough, City Clerk.

28—FIRE EQUIPMENT

ELECTION

IRVINGTON, Cal.—Alameda County Board of Supervisors have set September 11 as the date for a special election on formation of the Irvington County Fire Protection District. If organization of the district is authorized, purchase of motor fire protection apparatus is planned.

30—RESERVOIRS & DAMS

BIDS OPENED

UPLAND, San Bernardino Co., Cal.—Bids were received by R. G. Manley, City Purchasing Agent, 240 East 9th St., Upland, August 16, for furnishing all or part of the material for the construction of a 2,500,000-gallon reinforced concrete reservoir. The materials required are:

45 tons reinforcing steel;
27,000 sq. ft. Clinton mesh;
4,800 sacks cement (paper sacks);
1,400 tons sand and gravel;
575 pcs. 2x8-in. x 16-ft. O P No. 1 select common, S1E;
228 pcs. 2x8-in. x 18-ft. do;
96 pcs. 2x12-in. x 16-ft. do;
570 lin. ft 2x8-in. redwood No. 1 heart common;
182 lin. ft. 4x8-in. do;
26,600 sq. ft. 1x6-in. O P No. 1 common select, S1S;
7,000 lin ft. 2x4-in. do;
740 lin. ft. 1x2-in. redwood No. 1 heart common, S4S;
500 lin. ft. ¼x10-in. galv. wire screen;
100 lin. ft. ¼x36-in. do;
26,600 sq. ft. 85-lb. roofing, Pioneer or equal;
1 18-in. x 8-ft. C I pipe, Class B (per specifications);
1 6-in. x 8 -ft. do;
1 18-in. gate valve (flanged);
1 6-in. gate valve (flanged).

The bids were:

STRUCTURAL STEEL: Soule Steel Co., $2574.40; J. W. Heinecke Lumber Yard, $2570.85; Upland Lumber Co., $2570.85; Shattuck-Rugg Lumber Co., $2570.85; Trojan Steel Co., $2570.85; Concrete Engr. Co., $2570.85; Blue Diamond Co., $2574.40; Graham Bros., Inc. $2570.87.

MESH: Soule Steel Co., $576.45; Upland Lumber Co., $576.45; J. W. Heinecke Lumber Yard, $756.45; Shattuck-Rugg Lumber Co., $576.45; Trojan Steel Co., $576.45; Concrete Engr. Co., $576.45; Blue Diamond Co., $576.45; Graham Bros, Inc, $576.45.

PIPE AND VALVES: Commercial Iron Works, (1) 18-in pipe, $104.00; (2) 6-in. pipe, $19.40; (3) 18-in. gate valves, $175.90; (4) 6-in. gate valve, $24.15

Crane Co., (1) $107.75; (2) $26.10; (3) $210.74; (4) $26.34.

Viking Automatic Sprinkler Co., (1) no bid; (2) no bid; (3) $210.74; (4) $26.34.

Grinnell Co. of the Pacific, (1) no bid; (2) no bid; (3) $175.90; (4) $24.15.

Rensselaer Valve Co., (1) no bid; (2) no bid; (3) $157.90; (4) $24.15.

LUMBER: Following bidders identical at $2212.39: J. W. Heinecke Lbr.

Co., Upland Lumber Co., Shattuck-Rugg Lumber Co.

SCREENS: Following bidders same at $39.63: J. W. Heinecke Lumber Co., Upland Lumber Co., Shattuck-Rugg Lumber Co.

ROOFING: Following bidders same at $708.89: J. W. Heinecke Lumber Co., Upland Lumber Co., Shattuck-Rugg Lumber Co. E. C. Anderson, Graham Bros., Inc.

PORTLAND CEMENT: J. W. Heinecke Lumber Co., Upland Lumber Co, Shattuck-Rugg Lumber Co. and Graham Bros., Inc., each bid $.56 per sack.

All bids were held under advisement. 30

COMPLETING PLANS

MODOC COUNTY, Cal.—Exploration work to determine foundation conditions at the site of the proposed dam and reservoir for the South Fork Irrigation District is in progress under supervision of S. A. Mushen, consulting engineer, Alturas. The district recently was alloted a loan and grant of $160,000 by the Federal Public Works Administration.

31—PIPE LINES & WELLS

BIDS WANTED

KERN and SAN LUIS OBISPO COS. Cal.—Until August 29, bids will be received by the Standard Oil Co. of California, 225 Bush St., San Francisco, H. H. Hall, Chief Engineer, for the construction of a 12-inch welded steel pipe line between Rio Bravo, Kern County, and Estero Bay, San Luis Obispo County.

The contract will include stringing pipe, ditching, welding and backfilling. Pipe will be furnished by the company.

August 21, 1934

CONTRACT AWARDED

BONNEVILLE, Ore.—A. M. Jannsen Drilling Co., Beaverton, Oregon, at $2,080 awarded contract by the U. S. Engineer Office, Portland, under Bid No. 35-47, for drilling a well for the purpose of providing a domestic water supply for the permanent quarters area at Bonneville Dam.

SUB-BID

SAN FRANCISCO. — Howard A. Shoemaker, 363 Clark Ave., Yuba City general contractor on sewer and irrigation work, is prepared to offer a bid on the sub-contract for all hauling in connection with the general contract for removal of portions of the Bakersfield-Richmond pipe line. Figures on the general contract, which includes uncovering, cleaning and hauling to Kettleman Hills pipe reclamation plant, are being taken by the Standard Oil Company of California, 225 Bush St., San Francisco, as previously announced.

PLANNED

HUNTINGTON BEACH, Calif.—The Holly Refining Co. is reported to be planning construction of a pipe line system to connect oil wells in the center of the city with the company's refining plant located at Garfield and Main Sts. A. M. Andersen is manager of the Holly Refining Company.

BIDS WANTED

COOLIDGE, Ariz.—Until August 30, 3 P. M., bids will be received by the U. S. Indian Irrigation Service, Coolidge, Arizona, for drilling approximately 30 wells, 20-in. in diameter and from 100- to 350-ft. in depth for San Carlos Project, Arizona. Full information may be obtained from the above office.

All bids received July 3 were rejected. Roscoe Moss Co., Los Angeles, submitted low bid at that time at $69,938.40.

32— SEWERS & SEWAGE DISPOSAL PLANTS

CONTEMPLATED

LOS ANGELES, Cal.—The finance committee of the City Council has under consideration a request from the city engineer that the city council appropriate the sum of $100,000 for construction of a gate chamber in the north outfall sewer at a point near Culver City, so designed that the entire sewage stream may be shut off and by-passed into Ballona Creek across the right-of-way which must be purchased, in connection with which by-pass a stanby chlorination station should be installed, including required equipment and material by means of which sewage could be chlorinated in event it became necessary to turn sewage into the creek.

CONTRACT AWARDED

BONNEVILLE, Oregon—See item under WATERWORKS (33)

PLANNED

PHOENIX, Arizona.—James Girand, City Engineer, has announced the approximate quantities for the storm drain project for which bids will be called by the city within the next few weeks.

The items are:

(1) 22,190 ft. 8-in. concrete pipe;
(2) 5,388 ft. 10-in. do;
(3) 4,539 ft. 12-in. do;
(4) 4,487 ft. 15-in. do;
(5) 5,616 ft. 18-in. do;
(6) 4,028 ft. 21-in. do;
(7) 1,377 ft. 24-in. do;
(8) 3,165 ft. 27-in. do;
(9) 1,193 ft. 30-in. do;
(10) 2,448 ft. 33-in. do;
(11) 1,026 ft. 36-in. do;
(12) 948 ft. 39-in. do;
(13) 349 ft. 48-in. do;
(14) 2,095 ft. 51-in. do;
(15) 5,158 ft. 54-in. do;
(16) 840 ft. 60-in. do.

CONTEMPLATED

GUSTINE, Merced Co, Calif.—Construction of a new sewer line as an auxiliary to the existing line, which is inadequate, is being considered by the Gustine City Council. W. R. Sherman, consulting engineer of Newman, has made a preliminary report to the council. Cost of the necessary work is estimated at $5,000.

PREPARING PLANS

HUNTINGTON BEACH, Cal.—City Engineer Harry Overmeyer and Ormond Stone, consulting engineer, Pasadena, are preparing plans for a sewage disposal plant to be constructed under a $100,000 loan and grant recently allotted by the Public Works Administration. The city council will call a special bond election to vote on a bond issue for $70,000.

BIDS WANTED

COLTON, Cal.—Until Sept. 11, bids will be received by the Colton City Council for the construction of a sewage treatment plant and appurtenant work, a PWA project. The cost is estimated at $40,000. The engineer's estimate includes structures, $16,500; operating equipment, $10,000; pipe and fittings, $2300; placing equipment, $2,010; sluice beds, $830.

The bids will be taken as follows:
(1) Treatment plant complete;
(2) 543 ft. 18-in. sewer pipe in place;
(3) 60 ft. 15-in. sewer pipe in place.

Plans and specifications were prepared by the Currie Engr. Co., 219 Andreson Block, San Bernardino, and copies may be obtained after August 24 upon deposit of $20, of which $10 will be returned.

The work will involve:

(1) 3,100 c.y. excavation;
(2) 372 c.y. 3000-lb. concrete;
(3) 150 c.y. 2500-lb. concrete;
(4) 46 c.y. 1300-lb. concrete;
(5) 70,000 lbs. reinforcing steel;
(6) 6,420 sq. ft. cement finish;
(7) 1,500 ft. b.m. rough lumber (board walk);
(8) painting;
(9) creosoting of lumber for board walk.

FLANGED PIPE

(10) 32 4-in. gate valves;
(11) 1 4-in. release gate;
(12) 20 4-in. 90-degree ells;
(13) 4 4-in. 45-degree ells;
(14) 1 4x4-in. cross;
(15) 24 4x4 on 4-in. tees;
(16) 230 ft. 4-in. pipe;
(17) 1 4-in. side outlet ell;
(18) 1 4x3-in. reducer;
(19) 1 3-in. check;
(20) 1 2-in. gate valve;
(21) 2 ft. 2-in. pipe.

GALV. PIPE AND FITTINGS

(22) 265 ft. 6-in. pipe;
(23) 4 6-in. 22½-degree ells;
(24) 2 6-in. checks;
(25) 2 6-in. gate valves;
(26) 2 6x6-in. tees;
(27) 20 2-in. on 6-in. tees;
(28) 210 ft. 2-in. pipe;
(29) 21 2-in. angle air valves;
(30) 21 2-in. 90-degree ells;
(31) 21 2-in. couplings.

CAST IRON PIPE

(32) 195 ft. 4-in. cast iron pipe;
(33) 11 4-in. flood valves;
(34) 9 4-in. 90-degree ells;
(35) 6 4-in. 45-degree ells;
(36) 2 4-in. 22½-degree ells;
(37) 10 4-in. on 4-in. tees;
(38) 3 4-in. floods;
(39) 34-in. on 8-in. tees;
(40) 26 ft. 6-in. pipe;
(41) 1 6-in. on 8-in. tee;
(42) 108 ft. 8-in. pipe;
(43) 3 8-in. 90-degree ells;
(44) 2 8-in. 45-degree ells;
(45) 2 8-in. 22½-degree ells;
(46) 1 8-in. gate valve;
(47) 1 8-in. flood valve;
(48) 1 8-in. on 12-in. wye;
(49) 35 ft. 10-in. pipe;
(50) 1 8x8x10-in tee;
(51) 1 8x10x10-in. tee;
(52) 1 8x16-in. increaser;
(53) 14 ft. 12-in. pipe;
(54) 1 4-in. on 12-in. tee;
(55) 20 ft. 2-in. soil pipe.

GALVANIZED PIPE

(56) 49 ft. 3-in. screw pipe;
(57) 1 3-in gate valve;
(58) 1 3-in. 45-degree ell;
(59) 1 3-in. union;
(60) 1 3-in. PS flange;
(61) 320 ft. 1½-in. pipe and fittings;
(62) 2 1½-in. gate valves;
(63) 60 ft. 2½-in. conduit (chlorine);
(64) 206 ft. 1-in. water pipe & fittings.

EQUIPMENT

(65) 1 switchboard;
(66) 2 blowers and manometers;
(67) 21 frames for diffuser plates;
(68) 189 sq. ft. diffuser plates;
(69) 1 plunger sludge pump;
(70) 1 centrifugal sludge pump;
(71) 1 water system pump and tank;
(72) 1 hot water pump;
(73) 1 heater and tank;
(74) 1 scale;
(75) 1 chlorinator;
(76) 1 winch and hoist;
(77) primary clarifier mechanism with skimmer;
(78) 1 secondary clarifier mechanism;
(79) 1 liquid level recording gauge;
(80) 9 motor outlets;
(81) 7 electrical outlets;
(82) 1 name plate.

SLUDGE BED & OUTFALL LINE

(83) 100 c.y. excavation;
(84) 0.05 c.y. concrete;
(85) 600 l.f. drain tile;
(86) 230 c.y. sand;
(87) 20 c.y. pea gravel;
(88) 543 ft. 18-in. vit. clay sewer pipe (outfall line);
(89) 60 ft. 15-in. do;

MISCELLANEOUS ITEMS

(90) 1 manhole frame and cover;
(91) 1 weir box;
(92) 1 water seal complete with valves etc.;
(99) 4 inlet and outlet gates for clar-
(94) 1 iron cover and frame digester;
(95) 115 ft. angle iron weir for secondary clarifier;
(96) 1 sludge shoe;
(97) 390 ft. pipe hand railing;
(98) 18 trough plates set in concrete;
(99) 4 inlet and outlet gatse for clarifier;
(100) 4 sliding gates;
(101) 30 ft. steel ladder;
(102) miscellaneous millwork.

32

LOW BIDDER

SAN DIEGO, Cal.—E. C. Nickel, 912 Micheltorena St., Los Angeles, at $29,-790 submitted low bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 7425, for constructing sewers, water and gas lines and electrical ducts, cables, and equipment at the Naval Operating Base (Air Station), San Diego.

PREPARING PLANS

OXNARD, Los Angeles Co., Cal.—City Engineer Earl O. Imus is preparing plans for a new sewage disposal plant consisting of a primary clarifier, digester, pumping station, trickling filter, secondary filter, sludge pump, drying beds, pumping station, screens, etc.

Cost is estimated at $72,000, to be financed by a PWA allotment granted recently.

33— WATER WORKS

BIDS OPENED

CHEHALIS, Wash.—Following bids received by Chehalis City Council August 15 for furnishing and laying about 3½ miles of 16-in. creosoted wood or reinforced concrete pipe in gravity supply main of Municipal water system, and about 53,500 ft. of 4-6-in 8- and 14-in. cast iron pipe in distribution system, together with the valves, fittings, hydrants and other appurtenances:

Queen City Const. Co., Seattle, (reinforced concrete) $37,777.94; (creosoted wood pipe) $41,025.10; (distribution system) $70,543.81.

Joe Coluccio, Seattle, (.....); $33,338.-50; $73,363.20.

H. P. Dorsey Co., Bellingham, $54,-572.20; $48,973.40; $94,607.79.

Macri & Steffensen, Seattle, $44,-408.40; $41,025.10; (.....).

All bids held under advisement. The PWA has granted $30,000 and loaned $110,000 toward the cost of the project.

CONTRACT AWARDED

SAN CLEMENTE, Cal.—Dan Mulherron, 276 W. Marquita St., San Clemente, was awarded the contract by the San Clemente City Council, 210 Easley Bldg., San Clemente, August 17, for furnishing all labor, material, transportation and services for the construction of cast iron water mains in the City of San Clemente to replace existing steel mains. The work is being financed by PWA allotment. W. A. Ayer, City Engineer, San Clemente. Work involves:

(1) 41,418 4-in. C.I.P. Class 150, Government specifications;
(2) 3559 6-in. cast iron pipe;
(3) 1600 8-in. cast iron pipe;
(4) 560 10-in. cast iron pipe (pipe to be in 16 or 18 ft. lengths);
(5) 41 hydrant connections;
(6) 42 4-in. plugs;
(7) 35 4-in. gate valves;
(8) 7 6x6x4-in. tees;
(9) 76 4-in. tees;
(10) 4 4-in. crosses;
(11) 41 4-in. ells;
(12) 40 4-in. 22½-degree ells;
(13) 38 4-in. 45-degree ells,
(14) 2 8-in. 45-degree ells:
(15) 5 8-in. 22½-degree ells:
(16) 7 8x8x4-in. tees;
(17) 5 4x24-in. nipples;
(18) 1 12x12x10-in. wye (to connect to wood main);
(19) 1 10-in. 45-degree ell;
(20) 1 10x10x4x4-in. cross;
(21) 1 10x10x6x4-in. cross·
(22) 1 6-in. gate valve;
(23) 1 10-in. gate valve;
(24) 560 lin. ft. 6-in. street main to be removed;
(25) 1 6x4-in. reducer;
(26) 1 8x4-in. reducer;
(27) 1 8x4-in. ell:
(28) 1 6x12-in. reducer:
(29) 1 6x4x8-in. tee;
(30) 80 ft. 14-in. steel casing;

Bids were taken as follows:

(1) 4-in. pipe in place, per lin. ft.;
(2) 6-in. pipe in place, er lin. ft.;
(3) 8-in. pipe in place, per lin. ft.;
(4) 10-in. pipe in place, per lin. ft.;
(5) 6-in welded steel pipe to removed, per lin. ft.

Complete bids follow:

(A) Dan Mulherron	$36,936.60
(B) Geo. A. Shepherd	39,162.61
(C) Fred W. Weber	40,837.96
(D) Sutalo & Ramljak	40,897.12
(E) Gogo & Rados	41,760.54
(F) R. H. Travers	43,118.41
(G) Dick Brothers	43,755.28
(H) V. C. K.Constr. Co.	44,330.95
(I) Marko Matick	48,214.90
(J) John Grancich	55,185.46

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)
(A)....	$ .715	$1.07	$1.475	$1.96	$.10
(B)....	.76	1.07	1.52	2.48	.10
(C)....	.792	1.10	1.56	2.59	.31
(D)....	.81	1.06	1.50	1.92	.20
(E)....	.78	1.50	1.75	2.25	.10
(F)....	.765	1.755	2.215	2.735	.20
(G)....	.81	1.30	2.00	3.50	.75
(H)....	.80	1.45	2.25	4.00	.35
(I)	.93	1.44	1.80	2.92	.10
(J)....	1.06	1.62	2.02	3.63	.45

CONTRACT AWARDED

BONNEVILLE, Oregon — Parker Schram Co., 513 Couch Bldg., Portland, at $11,443.50 awarded contract by the U. S. Engineer Office, Customhouse, Portland, for the construction of water and sewer systems for the United States permanent quarters at Bonneville Dam under Bid No. 35-15.

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until August 27, 5 P. M. (to be opened at 8 p. m.) bids will be received by the Stockton City Council, B. L. Trahern, City Clerk, for the construction of a pump house and furnishing and installing pumping equipment at Louis Park, Stockton.

Plans and specifications obtainable from the above office.

August 20, 1937

BOND ELECTION PLANNED

ARCATA, Humboldt Co., Cal.—Arcata City Council plans a special election in October to vote on a bond issue of $90,000 for purchase of the water system of the Public Utilities California Corp. at $75,000 and for improvements to cost $15,000.

Clyde C. Kennedy, Call Bldg., San Francisco, has been acting as engineering advisor.

BIDS WANTED

FRESNO, Fresno Co., Cal.—Until August 30, 11 A. M., bids will be received by the Fresno City Commission, H. S. Foster, City Clerk, for furnishing:

(1) 1000 ft. 6-in. cast iron pipe;
(2) 4000 ft. 8-in. cast iron pipe;
(3) 9000 ft. 10-in. cast iron pipe.

The pipe is for use in the Fresno Water Department.

Specifications obtainable from above office.

BIDS WANTED

SAN FRANCISCO.—Until August 27, 3 P. M., informal bids will be received by the San Francisco Water Department, Room 704, 425 Mason St., for the laying of a 8-inch cast iron main in Cayuga Avenue from Lyell St. to Milton St., under San Francisco Water Department Contract No. 59.

The work involves:

(1) 700 l.f. excavation and backfill for 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 25 c.y. additional excavation and backfill;
(3) 150 sq. ft. additional pavement removal and replacement;
(4) 700 l.f. 8-in. bolted joint cast iron pipe;
(5) 550 lbs. installation of fittings, gate valves, etc.;
(6) 20 l.f. bell and spigot joints;
(7) 130 bolted joints for 8-in. cast iron pipe;
(8) 1,155 sq. ft. repavement;
(9) connections, work to be done by the city water department.

Plans and specifications obtainable at Room 707, 425 Mason Street, upon deposit of $5.00. N. A. Eckert, Engineer. Estimated cost, $700.

BIDS WANTED

COCONINO COUNTY, Ariz. — Until Sept. 4, 10 A. M., bids will be received by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a seal coat on 17.199 miles of Section D of the South Approach to Grand Canyon National Park, Coconino County, Ariz.

The work involves 175 tons applying asphaltic material; 1,350 c.y. screenings for seal coat.

Plans and specifications obtainable from the above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.

CONTRACTS AWARDED

FALLON, Nevada. — Bids were received by the Fallon, Nevada, City Council, August 8, for the construction of improvements to the water system and construction of an entirely new 1,000,000-gallon reservoir, and contracts have been awarded as follows:

Western Well Drilling Co., Ltd., 522 W. Santa Clara St., San Jose, for a finished well ready for installation of a permanent pump, at $6,027.90.

N. M. Ball, 1889 Yosemite Avenue, Berkeley, Calif., for steel supply mains (items 25 to 36, inclusive); also items 55, 68, 69, 70, 72 and 73, at $30,666.28.

United States Pipe & Foundry Co., Monadnock Bldg., San Francisco, for 3,820 ft. of 10-in. cast iron water pipe (item 40) at $5,730.

Pacific States Cast Iron Pipe Co., Rialto Bldg., San Francisco, for 3,511 lbs. open bell fittings (item 44) also items 59, 60, 61, 63, 64 and 65 (cast iron pipe, pre-calked joints, and lead and jute) and item 66, for 28,489 lbs. of pre-calked fittings, for a total of $24,654.38.

Dodge Const. Co., Inc., and Nevada Contracting Co., Fallon, for type "B" reservoir (item 80) at $23,850.

The above awards have been approved by Robert A. Allen, PWA Engineer for Nevada.

Awards have not yet been made on valves, hydrants and valve boxes.

The bidders were:

(A) N. M. Ball, Berkeley, Calif.
(B) A. Soda & Son, Oakland, Calif.
(C) Dodge Const. Co., Inc., and Nevada Contracting Co., Fallon.
(D) Pacific States C. I. Pipe Co., San Francisco.
(E) George E. Miller, Beverly Hills.
(F) Vernon Foundry Co., Hollydale, Calif.
(G) U. S. Pipe & Foundry Co., San Francisco.
(H) Mueller Co., San Francisco.

(I) Crane Co. of Nevada, Reno.
(J) Rensselaer Valve Co., San Francisco.
(K) Kennedy Valve Mfg. Co., San Francisco.
(L) R. L. Norris, Sacramento, Calif.
(M) Central Foundry Co., San Francisco.
(N) A. P. Smith Mfg. Co., East Orange, N. J.
(O) American C. I. Pipe Co., San Francisco.
(P) Western Well Drilling Co., San Jose, Calif.
(Q) Walworth California Co., San Francisco.
(R) W. P. Alexander, San Francisco.

Unit bids on those portions of the work for which contracts have been awarded follow:

WELL

Furnishing 262 ft. of 24-in. double 8-gauge red standard steel well casing welded watertight, and 175 ft. of 12-in. double 10-gauge red standard steel well casing, and 165 ft. of 10-inch double 10-gauge red standard steel well casing, including taper connection from 12- to 10-in. of the same material, all securely welded into one continuous string, and for drilling well setting casing, developing, washing and testing as specified, complete, ready for installation of permanent pump:

R. L. Norris $6,625.70
Western Well Drilling Co..... 6,027.90

STEEL SUPPLY MAINS

(25) 9,900 ft. 10-in. pipe; (26) 3 lbs jute; (27) 80 lbs. lead; (28) furnishing fittings or specials for steel supply mains, tees, ells, wyes, reducers, caps, plugs, flanges, couplings, service taps, etc., delivered and installed complete, including 4 ¾-in. service taps; (29) 1 blow-off 6-in. gate valve; (30) one 10-in. gate valve ;(31) one 1-in. air relief valve; (32) one 1½-in. pressure reducing valve, 100/60 to 50/30 lbs.; (33) total; (34) 9,900 ft. 10-in. wrapped steel pipe, trenching, excavating, backfilling, etc.; (35) disconnecting & re-connecting ¾-in. services not shown on plans, including furnishing sufficient ¾-in. galv. iron pipe for necessary extensions, estimate, 4; (36) total; (55) 3,820 ft. 10-in. cast iron pipe, field calked joints; (68) 17,646 ft. 4-in. cast iron pipe, pre-calked joints; (69) 12,857 ft. 6-in. cast iron pipe, pre-calked joints; (70) 1,575 ft. 8-in. cast iron pipe, pre-calked joints; (72) disconnecting and reconnecting ¾-in. services not shown on plans, including furnishing sufficient ¾-in. galvanized iron pipe for necessary extensions, estimate, 420; (73) lump sum, disconnecting and reconnecting ¾-, 1- 1¼- 1½- 2- and 4-in. wrought pipe extensions to mains as shown on the plans. Bids on the Steel Supply Mains were:

	(A)	(C)	(I)
(25)	$11,088.60	$11,385.00	$ .....
(26)	.60	.60	.24
(28)	4.80	4.80	3.88
(28)	525.00	300.00	.....
(29)	25.87	23.10	26.10
(30)	59.48	55.00	58.00
(31)	14.50	16.00	14.40
(32)	20.00	32.00	30.38
(33)	11,738.25	11,816.50	128.98
(34)	1,584.00	2,970.00	.....
(35)	20.00	40.00	.....
(36)	1,604.00	3,010.00	.....
(55)	1,910.00	1,319.00	.....
(68)	6,705.48	7,940.70	.....
(69)	5,142.80	5,785.65	.....
(70)	645.75	708.75	.....
(72)	2,520.00	4,200.00	.....
(73)	400.00	300.00	.....

DISTRIBUTION MAINS

(Item 40) 3,820 ft. 10-in. cast iron pipe, 150 lbs. working pressure, (bell and spigot) field calked joints, delivered fob Fallon:

United States Pipe & Foundry Company $5,730.00
Pacific States C. I. P. Co..... 5,997.40

OPEN BELL FITTINGS

(44) Furnishing fittings or specials for cast iron pipe distribution mains, crosses, tees, ells, wyes, reducers, caps plugs, flanges, couplings, etc., delivered fob Fallon, bidder's estimate; (59) 17,646 ft. 4-in. cast iron pipe, pre-calked joints; (60) 12,857 ft. 6-in. cast iron pipe, pre-calked joints; (61) 1,575 ft. 8-in. cast iron pipe, pre-calked joints; (63) 330 lbs. jute; (64) 9,500 pounds lead; (65) 200 lbs. lead wool; (66) furnishing fittings or specials for cast iron pipe, 150 lbs. working pressure, pre-calked joints distribution mains, crosses, tees, ells, wyes, reducers, caps plugs, flanges, couplings, etc., delivered fob Fallon:

Pacific States Cast Iron Pipe Co., (44) $1,440; (59) $9,705.30; (60) $10,967.02; (61) $2,016.00; (63) $56.10; (64) $427.50; (5) $24.00; (66) $1,600.

U. S. Pipe & Foundry Co., (44) $1,701.58.

Crane Co., (44) $359.95; (63) $26.40; (64) $461.70; (65) $21.90.

TYPE "B" RESERVOIR

Furnishing all material and constructing in place, with inlet, overflow pipe, valves, fittings, roof, etc., complete, a 1,000,000-gallon reservoir, acording to detail cross section "B" shown on plans:

N. M. Ball, Berkeley, Cal $25,200
Dodge Const. Co., Inc., and Nevada Contr. Co., Fallon..... 23,850

A complete tabulation of the bids received is on file at the office of the PACIFIC CONSTRUCTOR.

BONDS SOLD

GILROY, Cal.—Weeden & Co., San Francisco, have purchased a block of bonds amounting to $29,000 from the City of Gilroy, offering an interest rate of 4% on $10,000 of first maturity and 3½% on the balance. Six bids were submitted for the issue. Proceeds supplemented by a PWA grant are being used in improvement of the municipal water supply, recently placed under contract. •

CONTEMPLATED

PITTSBURG, Cal. — Pittsburg City Council has under consideration a preliminary report submitted by C. C. Kennedy, Call Bldg., San Francisco, consulting Engineer, on development of a water supply for domestic and industrial use. The plan proposes construction of a reservoir southeast of Antioch to store 1,300,000 gals. to be pumped from Old River, 2 miles east of Knightsen. Construction, including a filtration plant, is estimated at $974,000. • 3

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until August 27, 5 P. M. (to be opened at 8 p. m.) bids will be received by the Stockton City Council, B. L. Trahern, City Clerk, for furnishing and installing pipe lines for sprinkling system at Louis Park, Stockton.

Plans and specifications obtainable from the above office. 34

BIDS OPENED

OAKLAND, Cal.—A. Soda & Son, 1077 65th St., Oakland, at $1,887.55, submitted low bid to Oakland Board of Education for construction of fence, removal and re-erection of the present fence on the site of the Markham School, Krause Ave. and Church St., Oakland.

Identical bids at $1,989.55 were submitted by the following:

California Ornamental Iron & Fence Co.; Standard Fence Co.; Pacific Coast Fence Co.; Voegthy & White, and Schuler and McDonald.

Bids held under advisement.

29—STREETS AND HIGHWAYS

BIDS WANTED

TRINITY COUNTY, Cal.—Until August 28, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, at the office of the Resident Engineer, Douglas City, for widening about 9.284 mile of Section A of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County. The work involves about 4,000 c.y. unclassified excavation.

Plans and specifications obtainable from the U. S. Bureau of Public Roads 807 Sheldon Bldg., 461 Market Street, San Francisco, and on file at the Resident Engineer's office at Douglas City.

BIDS WANTED

SANTA BARBARA COUNTY, Calif.—Until Sept. 12, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 5.8 mi. to be graded and oil treated by the road mix method between Hollister Avenue and Painted Cave Road, Santa Barbara County, and a bridge to be constructed across San Antonio Creek.

The work involves:

(1) 53 acres clear and grub right-of-way;
(2) 894,000 c.y. rdwy. excav., unclass.;
(3) 2,225,000 sta. yds. overhaul;
(4) 10,600 c.y. structure excavation;
(5) 1,380 l.f. 8-in. CMP;
(6) 4,380 l.f. 18-in. CMP;
(7) 1,820 l.f. 24-in. CMP;
(8) 610 l.f. 30-in. CMP;
(9) 264 l.f. 36-in. CMP;
(14) 328 l.f. 42-in. CMP;
(11) 342 l.f. 60-in. CMP;
(12) 80 l.f. half-circle 24-in. CMP;
(13) 35 each spillway assemblies;
(14) 1,180 c.y. Class A Portland cem. conc. (structures);
(15) 61 c.y. do (bridge pavement);
(16) 132 c.y. Class B Portland cement concrete;
(17) 132,000 lbs. bar reinf. steel;
(18) 23,500 lbs. structural steel;
(19) 575 c.y. rubble masonry;
(20) 150 l.f. rubble masonry (parapet);
(21) 23 c.y. concrete removed from existing structures and disposed of
(22) 4,200 sq. yds. paved gutters and aprons;
(23) 9.5 miles new property fence;
(24) 36 each fence gates;
(25) 5,660 l.f. laminated timber guardrail;
(26) 425 each timber guide posts;
(27) 180 each culvert markers;
(28) 32 MFBM redwood timber, dense, select, all-heart, struc. grade;
(29) 19 MFBM redwood timber, select, all-heart, structural grade;
(30) 4,450 bbls. fuel oil;
(31) 74,000 sq. yds. prepare, mix and shape roadbed;
(32) 80 tons asphaltic road oil (seal coat);
(33) 560 tons screenings (seal coat);
(34) 332 sta. finish roadway;
(35) 190 each monuments complete in place.

The State will furnish corrugated metal pipe spillway assembles and class steel frames and covers for drop inlets as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS OPENED

ORANGE COUNTY, Cal.—Gogo and Rados, 10,024 S. Figueroa Street, Los Angeles, at $9,956.10 submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, State Bldg., Los Angeles, August 20, for fuel oil treatment in Orange County between Galivan and Irvine, between

Huntington Beach and Newport, and on Hampshire Avenue in Huntington Beach bewteen Route 60 and Garfield St., a distance of 15.3 miles.

The work involves:
(1) 143,300 sq. yds. preparing surface, mixing fuel oil and shoulder or roadbed, shaping and rolling;
(2) 3,150 bbls. heavy fuel oil in place.

Complete bids follow:
Gogo & Rados, (1) $.042; (2) $1.25; (3) total $9,956.10.
Kovacevich & Price, Inc., (1) $.043; (2) $1.30; (3) $10,256.90.
Sunset Decomposed Granite Co., (1) $.054; (2) $1.22; (3) $11,581.20.
Dimmitt & Taylor, (1) $.06; (2) $1.40; (3) $13,008.00.
H. E. Cox & Son, (1) $.065; (2) $1.35 (3) $13,567.00.

CONTRACT AWARDED

TRINITY COUNTY, Calif. — Hemstreet & Bell, 501 11th St., P. O. Box 215, Marysville, at $62,582 awarded contract by the U. S. Bureau of Public Roads, San Francisco, for placing selected material and crushed gravel subgrade on 19.794 miles of Sections A, B, C, D, and E, of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County.

AWARD

MARIPOSA AND TUOLUMNE COUNTIES, Cal.—Morrison-Knudsen Co., 411 W. Fifth St., Los Angeles, at $423,012.50 (Alt. A: CMP culvert) for grading Section A1 of Route 4, the Tioga Road, Yosemite National Park, Mariposa and Tuolumne Counties.

BIDS WANTED

SAN BERNARDINO COUNTY, Cal.—Until Sept. 13, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 0.4 mile in length to be graded and paved with Portland cement concrete in San Bernardino County thru Bloomington.

The work involves:
(1) 20 stations clear and grub right-of-way;
(2) 1,500 c.y. rdwy. excav., unclass.;
(3) 3,400 sta. yds. overhaul;
(4) 250 c.y. structure excavation;
(5) 4,500 sq. yds. subgrade for pave.;
(6) 900 c.y. Class A Portland cement concrete (pavement);
(7) 71 c.y. do (structures);
(8) 130 c.y. do (sidewalks, curbs and gutters);
(9) 31,000 lbs. bar reinf. steel (pavement and structures);
(10) 48 l.f. 12-in. CMP;
(11) 2,500 sq. yds. asph. paint binder;
(12) 4,300 tons crushed gravel or stone
(13) 190 tons fuel oil;
(14) 190 c.y. concrete removed from existing pave. and struc. and disposed of;
(15) 70 l.f. timber wheel guard;
(16) 20 stations finish roadway;
(17) 18 each monuments, complete in place.

The State will furnish corrugated metal pipe as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the State Highway Engineer's Office, Public Works Bldg., Sacramento, and on file at the District Engineers' offices in San Francisco, and Los Angeles.

BIDS WANTED

KERN COUNTY, Cal.—Until Sept. 12, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 9.3 miles in length to be surfaced with bituminous treated selected material in Kern County, between the westerly boundary and 2.4 miles south of Maricopa. The work involves:
(1) 7800 cu. yds. selected materlal;
(2) 475 tons cut-back asph. road oil;
(3) 9.33 miles mixing bituminous binder and selected material;
(4) 9200 bbls fuel oil;
(5) 150,000 sq. yds. preparing, mixing and shaping roadbed;
(6) 200 M. gals. water;
(7) 45 cu. yds. structure excavation;
(8) 114 lin. ft. 8-in. C.M.P.;
(9) 5 each spillway assemblies;
(10) 755 each timber guide posts.

The State will furnish corrugated metal pipe spillway assemblies and timber guide posts as more explicitly set forth in the special provisions.

Plans and specifications obtainable from above office, and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

CONTRACT AWARDED

YAKIMA COUNTY, Wash.—L. Romano Engineering Corp., 1300 Dearborn St., Seattle, at $51,425 (C. G. M. P.) awarded contract by the Bureau of Public Roads, New Post Office Bldg., Portland, for constructing the Randle - Yakima Reconstruction and Grading Project NR-13-J2, L3, N1, tedNational Forest Road Project, located within the Columbia National Forest, Yakima County.

BIDS OPENED

SONOMA COUNTY, Calif.—Asphalt Pavement Planing Co., 1924 Broadway, Oakland, at $0.0078 per sq. ft. submitted the only bid to the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, for about 3.2 miles of existing asphalt concrete pavement to be planed in Sonoma County between Guerneville and Sebastopol.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until September 4, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Court House, San Jose, for the construction of approximately 131,000 sq. ft. of oil macadam on Calaveras Road, between Downing Road and Felter Road in District No. 3.

Plans and specifications obtainable from County Surveyor Robert S. Chandler at a charge of $1.

Henry A. Pfister, Clerk of the Board

CONTRACT AWARDED

MARIN COUNTY, Cal.—E. A. Forde, 640 Redhill Ave., San Anselmo, at $4399.27 submitted low bid and awarded contract by the Marin County Board of Supervisors, San Rafael, for road oil treatment and placing armor coat on various Novato Streets. The work involves:
(1) 138 bbls. light oil;
(2) 43 tons heavy oil;
(3) 1175 bbls. heavy feul oil;
(4) 466 tons rock;
(5) 233 tons screenings.

Bidders and unit prices were:
E. A. Forde, San Anselmo, (1) $1.54; (2) $15.50; (3) $1.70; (4) $2.20; (5) $2.20; Total, $4399.27.
Lee J. Immel, Berkeley, (1) $1.50; (2) $16.60; (3) $1.68; (4) $2.20; (5) $2.30 Total, $4430.10.
Palo Alto Road Materials Co., (1) $1.60 (2) $15.00; (3) $1.85; (4) $2.60; (5) $2.60; Total, $4856.95
Rodney Messner, County Surveyor.

AWARD

APACHE COUNTY, Arizona.—R. L. Sharp, Nutrioso, Arizona, at $2,296 was awarded contract by the U. S. Bureau of Public Roads, Phoenix, for placing subgrade reinforcement on 1.455 miles of the Springerville-Alpine State Line Highway, Route 20, Sections 13, J2, Unit 3, Apache Nat'l Forest, Apache County, Arizona.

CONTRACT AWARDED

GLENDALE, Los Angeles Co., Cal.—Southwest Paving Co., 712 Lankershim Bldg., Los Angeles, at $33,324.42 awarded contract by the Glendale City Council for the improvement of Verdugo Road from La Crescenta to the north city limits.

BIDS WANTED

COCONINO COUNTY, Ariz. — Until August 30, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for furnishing approximately 175 tons of liquid asphaltic road material Type M.C.-5, for use on Section D of the South Approach to Grand Cayon National Park, Coconino County, Ariz.

Specifications obtainable from above office and from the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, Ariz.

BIDS WANTED

ISLETON, Sacramento Co., Calil.—Until August 27, 8 P. M., bids will be received by the Isleton City Council, J. W. Gardiner, City Clerk, for street improvement, involving:
(1) 186 tons cut-back asph. resurf.;
(2) 28 tons crushed stone (resurf.);
(3) 300 gals. heavy fuel oil (subgrade treatment);
(4) 1,200 l.f. shaping shoulders;
(5) 600 gals. heavy fuel oil (shoulders)

Plans and specifications obtainable from above office. Frank D. Talbot, City Engineer of the City of Isleton, 804 Forum Bldg., Sacramento.

CONTRACT AWARDED

VALLEJO, Solano Co., Cal.—Rueben Carlson, Vallejo, at $8,256.25 awarded contract by the Vallejo City Council for the improvement of Waterfront Road between Yolo Ave. and Virginia St., and 4th St. extension between Maryland St. and S. P. R. R. crossing in Vallejo.

BIDS REJECTED

SACRAMENTO CO., Cal.—All bids received by the Sacramento County Board of Supervisors, August 6, for the construction of a 2-inch asphalt macadam shoulder 2½-ft. wide on the Rio Linda Road have been rejected.

A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, submitted the low bid at $1,515.75.

PLANNED

PASADENA, Cal. — The Pasadena City Directors and the South Pasadena City Council have approved the general plans for a new 3-way, no cross-traffic highway between Pasadena and Los Angeles. The proposed road will cost about $500,000, exclusive of the right-of-way. These cities will try to finance the project through local, state and county aid. The route follows: From Figueroa Street Tunnel to Carlotta Blvd., via Arroyo Drive and Bridgwell, with a bridge over the Arroyo Seco Park, in South Pasadena, thence under Arroyo Drive along U. P. right-of-way and under Fair Oaks and under Santa Fe and U. P. tracks, into Broadway, Pasadena.

CONTRACT AWARDED

PASADENA, Cal.—Ansco Construction Co., Inc., 3608 Atlantic Ave., Long Beach, at $5832.90 awarded contract by the Pasadena City Directors for the improvement of Colorado St., from Marengo Ave. to Broadway.

CONTRACT AWARDED

LOS ANGELES, Cal.—Sully-Miller Contracting Co., 1500 W. 7th St., Long Beach, at $21,380 awarded contract by the Los Angeles Harbor Dept., for paving roadways, shed floors, and wharf decks at Los Angeles Harbor.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN DIEGO CO. — Escondido Creek Bridge — (State)

SAN DIEGO, CO., Cal.—Parish Bros. 1222 N. Gower St., Hollywood, at $30,-958, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for the construction of a bridge across Escondido Creek about 12 miles south of Carlsbad, San Diego County, consisting of four 45-ft. reinforced concrete slab spans on reinforced conc. piles and abutments with wing walls.

The work involves:

(1) 800 c.y. structure excavation;
(2) 900 c.y. channel excavation;
(3) 4,869 l.f. furnishing reinforced concrete piles, including test piles;
(4) 129 each driving reinf. conc. piles including test piles;
(5) 275 c.y. Class A Portland cement concrete footing blocks;
(6) 848 c.y. Class A Portland cement concrete, structure;
(7) 13 c.y. Class A Portland cement concrete, railing;
(8) 141,000 lbs. bar reinforcing steel;
(9) 1 lot miscellaneous items of work.

Total bids follow:

(A) Parish Bros., Hollywood, $30,958.
(B) Ralph A. Bell, Los Angeles, $36,-948.40.
(C) E. O. Larsen, San Diego, $37,-978.25.
(D) John Oberg, Los Angeles, $38-452.30.
(E) R. R. Bishop, $38,588.00.
(F) Sharp & Fellows, Los Angeles, $39,460.95.
(G) Bodenhamer Const. Co., Los Angeles, $39,803.00.
(H) Byerts & Dunn, Los Angeles, $40-411.70.
(I) Oscar Oberg, Los Angeles, $41,-482.21.
(J) Southern California Roads Co., Los Angeles, $41,745.60.
(K) Contracting Engineers, Inc., Los Angeles, $47,969.00.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
(A)	$ .73	$ .40	$1.36	$29.00	$ 8.00	$13.70	$45.00	$.0363	$ 125.00
(B)	2.25	.40	1.60	30.00	11.00	14.75	50.00	.045	600.00
(C)	.80	.60	1.50	36.00	15.25	15.25	45.00	.04	1500.00
(D)	3.00	1.00	1.70	50.00	13.00	13.00	50.00	.036	100.00
(E)	2.75	.50	1.00	50.00	10.00	18.00	35.00	.04	350.00
(F)	4.75	.45	1.50	34.70	10.45	16.30	50.00	.04	490.00
(G)	4.00	.50	2.00	30.00	12.00	15.00	45.00	.04	300.00
(H)	5.00	.50	1.30	40.00	12.00	14.00	50.00	.04	3000.00
(I)	7.70	.40	1.39	40.00	9.60	15.90	38.70	.038	950.00
(J)	1.15	.25	1.90	46.00	10.50	17.00	70.00	.047	575.00
(K)	4.20	1.00	2.00	24.00	12.00	20.00	60.00	.035	4900 00

BIDS OPENED

VALLEJO, Solano Co., Cal.—Rubin Carlson, Vallejo, at $8,256.25 submitted low bid to the Vallejo City Council for the improvement of Waterfront Road between Yolo Avenue and Virginia St. and 4th St., extension between Maryland St. and S.P.R.R. crossing in Vallejo.

Complete bids follow:

(A) Rubin Carlson, Vallejo, $8,256.25.
(B) Lee J. Immel, Berkeley, $8,696.00.
(C) E. A. Forde, San Anselmo, $9,-897.50.

Unit quantities follow:

(1) lump sum, 6,17 l.f. preparing existing crusher base;
(2) 100 tons crushed rock base;
(3) 205 bbls. heavy fuel oil;
(4) 1,550 tons crushed stone (bituminous surface);
(5) 70 tons cutback asphalt surface and seal coat;
(6) 130 tons stone screenings (seal coat).

Unit prices follow:

	(A)	(B)	(C)
(1)	$500.00	$400.00	$1000.00
(2)	2.25	1.80	2.50
(3)	2.25	2.00	2.00
(4)	3.50	3.80	4.25
(5)	19.00	20.00	18.00
(6)	2.50	3.20	3.00

All bids held under advisement.

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29

August 22, 1934

BIDS OPENED

PLACER and Nevada Counties, Cal. —Lee J. Immel, 1031 Evelyn St., Berkeley, at $12,766 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, for 23.6 miles of bituminous surface treatment in Placer and Nevada Counties.

•

Total bids follow:

(A) Lee J. Immel, Berkeley, $12,766.
(B) Tiffany Const. Co., San Jose, $12,-865.00.
(C) E. F. Hilliard, Sacramento, $14-751.15.
(D) A. Teichert & Son, Inc., Sacramento, $14,946.25.

Unit quantities follow:

(1) 37 tons asphalt road oil (Location A);
(2) 440 tons screenings (Location A);
(3) 68 tons cut-back asphalt (Location B);
(4) 415 tons sand (Location B);
(5) 96 tons asphalt road oil (Location C);
(6) 1,150 tons screenings (Location C);
(7) 18 tons asphalt road oil (Location D);
(8) 205 tons screenings (Location D).

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$22.00	$23.00	$27.65	$30.00
(2)	5.50	4.65	5.20	5.000
(3)	21.00	24.00	28.75	29.00
(4)	2.10	2.00	2.22	2.40
(5)	22.00	22.00	27.30	29.00
(6)	3.50	4.05	4.09	4.00
(7)	21.00	20.00	29.00	29.00
(8)	3.50	3.70	3.50	3.25

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29

August 22, 1934

BIDS OPENED

SACRAMENTO, Nevada and Butte Cos., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $12,900.50 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, for 28 miles of bituminous surface treatment in Sacramento, Nevada and Butte counties.

Total bids follow:

(A) Lee J. Immel, Berkeley, $12,900.50.
(B) Tieslau Bros., Berkeley, $13 314.
(C) A. Teichert & Son, Sacramento, $14,900.00.
(D) E. F. Hilliard, Sacramento, $14,-989.70.

Unit quantities follow:

(1) 68 tons cut-back asphalt (Location A);
(2) 410 tons sand (Location A);
(3) 100 tons emulsified asphalt (Location B);
(4) 600 tons sand (Location B);
(5) 50 tons cut-back asphalt (Location C);
(6) 300 tons sand (Location C);
(7) 43 tons asphalt road oil (Location D);
(8) 515 tons screenings (Location D).

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$22.00	$30.00	$27.00	$72.10
(2)	3.80	2.50	3.45	3.47
(3)	23.00	32.50	34.50	34.35
(4)	4.70	3.00	4.15	4.20
(5)	22.00	31.00	29.80	29.75
(6)	3.50	3.00	3.60	3.65
(7)	18.00	28.00	27.50	27.40
(8)	3.50	3.00	3.80	3.90

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29

COMPLETE BID LISTING

MONTEREY COUNTY, Cal. — B. Rocca & Co., San Rafael, at $11,-382.50, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for the construction of a reinforced concrete arch culvert in Monterey County at McWay Canyon, about 40 miles south of Carmel.

Total bids follow:

(A) B. Rocca & Co., San Rafael, $11,382.50.
(B) Rocca & Caletti, San Rafael, $12,412.50.
(C) M. B. McGowan, San Francisco, $13,162.50.
(D) Force Constr. Co., Oakland, $13,-720.
(E) A Soda & Son, Oakland, $13,950.

Unit bids follow:

(1) 700 cu. yd. structure excavation, (A) $1.35; (B) $2.00; (C) $2.00; (O) $1.00;(E) $2.50.
(2) 390 cu. yds. Class A Portland cement concrete, (A) $22.50; (B) $23.75; (C), $25.00; (D) $28.00; (E) $25.00.
(3) 25,000 lbs. reinforcing steel, (A) $.0475; (B) $.05; (C) $.0575; (D) $.06; (E) $.07.

COMPLETE BID LISTING

MONTEREY COUNTY, Cal.—Tiffany Constr. Co., 535 N. 7th St., San Jose, at $14,588.40, submitted low bid to the Dept. of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 3.1 mi. surfacing with oil treated screened gravel in Monterey County between Big Sur and 1.6 mi. south of Moler's Ranch. Total bids follow:

(A) Tiffany Constr. Co., San Jose, $14,588.40.
(B) Granite Constr. Co., Watsonville, $22,652.

Unit bids follow:

(1) 4000 cu. yds. screened gravel surfacing, (A) $1.70; (B) $3.82.
(2) 2360 bbls. fuel oil, (A) $2.60; (B) $2.30.
(3) 162 stations mixing fuel oil and screened gravel surfacing, (A) $10.20; (B) $12.00.

BIDS OPENED

ALHAMBRA, Los Angeles Co., Cal. —Southwest Welding & Mfg. Co. 3201 W. Mission St., Alhambra, at $979.90 submitted low bid to the Alhambra City Commission, August 21, for furnishing and installing a steel sand trap in Well No. 7. The proposed equipment will be 6-ft. in diameter and 30-ft. long. The other bids were:

Lacy Mfg. Co.	$1,049.60
Consolidated Steel Co.	1,100.00
National Tank & Mfg. Co.	1,250.50
American Pipe & Steel Co.	1,250.50

Bids held under advisement until August 27.

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Building and Engineering News

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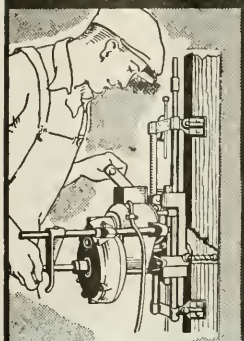
WAPPAT Electric TOOLS



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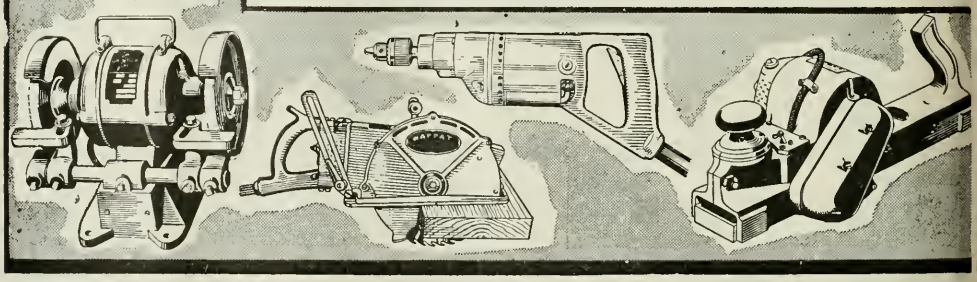

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Vol. XVII SAN FRANCISCO, CALIF., SEPTEMBER 1, 1934 No. 35

BIDS SEPT. 26 ON FIRST UNIT OF S. F. SCHOOLS

Contracts on George Washington Academic Unit Estimated at $750,000

First bids on San Francisco's $3-000,000 school building program will be received Sept 26, the Board of Public Works decided yesterday. The first contract advertised is that for the initial unit of George Washington high school to cost approximately $750,000. Additions to the school plant to be let under separate contracts will bring the total expenditure to approximately $1,-500,000.

The school site is between Geary and Palboa streets and Thirtieth and Thirty - second avenues. The first contract is for construction of the academic building, a three-story structure of reinforced concrete. It was designed by Architects Miller and Pflueger. W. L. Huber is consulting structural engineer.

Bids will be taken on segregated contracts for general work estimated at $600,000; electrical, $42,000; mechanical, including the plumbing, $95,000.

Specifications are available at the office of City Architect Chas. H. Sawyer on deposit of $50 for general; $25 for electrical and mechanical.

Plans are being prepared by private architects on other buildings included in the $3,000,000 bond issue of 1933 and contracts will be let as rapidly as the plans are finished and accepted.

STRUCTURAL STEEL BOOKINGS DECREASE

A midsummer slump in bookings of structural steel for fabrication reversed the improved trend of new business which had been recorded during the first half of 1934.

July shipments, according to reports received by the American Institute of Steel Construction, were approximately 59 per cent larger than for the same month last year. Reports from 80 per cent of the industry indicate that the bookings during July were about 29 per cent less than the average monthly bookings during the previous six months and one per cent less than for July 1933.

SANTA CLARA P. O. BIDS SEPT. 27

Bids on the contract for erection of the Santa Clara Post Office are to be received by the Treasury Department in Washington, September 27. The appropriation for the building is $40,600, having been reduced nearly one-half by the Public Work Administration from the original allotment established by the supervising architect. Plans for the building under the revised appropriation were prepared by the treasury department architects. Architect Clarence Ward of San Francisco was commissioned to design the building under the first appropriation but his commission was not confirmed when the PWA program was approved. Plans are available from the Treasury Dept., Public Works Branch, on deposit of $15.00.

Sacramento County Proposes $510,000 Road Expenditure

Sacramento county plans to spend $510,226 for road and bridge construction and for road and bridge maintenance during the current fiscal year

A tentative budget, which must be acted upon by the board of supervisors, was announced by County Executive Charles W. Deterding, Jr., and Engineer John Rooney.

The principal appropriations are $75,000 for the new M Street bridge, $20,000 for the Fair Oaks Boulevard, $10,000 for Marconi Avenue and the Locke-Walnut Grove Road, $19,140 for the Lower Stockton Rd. Trestle, $13,000 for the Fair Oaks Trestle, $12,200 for the Natomas Trestle, and $15,000 each for paving on the Lower Stockton Road and the construction of bridges at Linds Creek on the Rio Linda Road.

MITTRY BROS. CO. LOW BIDDER ON RIVERSIDE JOB

Fourteen Contractors Offer Proposals on Grading Project Near Beaumont

LOS ANGELES, Aug. 30.—Low bid was submitted to the State Highway Commission today by Mittry Brothers Construction Co., Los Angeles, at $360,809.90, for grading and surfacing about 6.8 miles of highway in Riverside County. Griffith Company of Los Angeles was second low bidder at $364,469.40.

The work is located about one and one-half miles north of Moreno and two and one-half miles west of Beaumont in Riverside County.

Included among major items in the contract are 1,260,000 cubic yards of unclassified roadway excavation, 5,333,000 station yards of overhaul, 12,600 cubic yards of excavation for structures, 23,300 tons of crushed gravel or stone surfacing, 1,400 tons of fuel oil surfacing, 63,000 lbs. of bar reinforcing steel for structures, 16,400 square yards of mixing fuel oil and earth shoulders, 19,000 M. gallons of water, 30,000 feet of erosion protection mats, and the laying of approximately 7,442 feet of corrugated metal pipe.

Total bids submitted were as follows:

Mittry Bros., Los Angeles	$360,809.90
Griffith Co., Los Angeles	364,469.40
Sharp & Fellows, L. A.	372,772.70
Granfield, Farrar, & Carlin, San Francisco	380,627.10
Jahn & Bressi, L. A.	389,418.50
Oswald Bros., Los Angeles	389,430.05
C. W. Wood, Stockton	390,220.00
J. F. Knapp, Oakland	419,604.00
Daley Corp., San Diego	447,090.40
United Concrete Pipe Corp., Los Angeles	448,983.20
Basich Bros., Los Angeles	474,739.30
C. C. Sparks, Sander Pearson & Mundo Engr. Co., Los Angeles	478,998.40
Hanrahan Wilcox Corp., San Francisco	479,704.80
D. McDonald, Sacramento	484,866.50

Bridge Engineers Soon To Complete Recommendations On Transit System

Designing of an electrical railway system to operate over the San Francisco-Oakland Bay Bridge is still in the drafting stage, it was said yesterday at the office of Chief Engineer C. H. Purcell.

For several months a staff of engineers and traffic experts have been preparig designs and estimates of costs of all types of commutation transportation over the San Francisco-Oakland Bay Bridge, so that a complete engineering study of the problem of moving the East Bay commuters in and out of San Francisco can be presented to the Reconstruction Finance Corporation some time early this fall.

In order to present a complete report, the Chief Engineer has instructed his staff to study every possible means of providing transportation for the commuters. In this hunt for facts, projects which might even appear impracticable are being studied, so that when the California Toll Bridge Authority presents its application to the Reconstruction Finance Corporation for financing, it will be able to present a complete report on all commutation systems, and will be able to answer any question which might arise in the hearings.

Studies of the project are controlled financially by the amount of capital investment which can be amortized by the amount of traffic now existing, plus that which the bright might be expected to stimulate.

The amount of time allotted to complete the study is limited, being controlled by the Reconstruction Finance Corporation.

Purchase of bonds must be consummated during 1934, according to legal advice to Chief Engineer Purcell.

Location of San Francisco terminals, 22 plans for which, embracing every type and site considered at all feasible, are being studied. Location of these terminals is controlled by the amount of capital investment which can be allotted to this portion of the project. This, of course, does not prevent municipal or other authorities from making improvements or extensions. The bridge project will assume the responsibility of delivering interurban traffic as close as possible to the center of origin of that traffic in San Francisco.

The control of first importance is passenger comfort, and this factor seems to eliminate from current consideration the proposed shuttle service between San Francisco and a point in Emeryville where passengers would be transferred to East Bay lines.

The factor of public comfort argues in favor of through-service from a San Francisco terminal via the various East Bay lines direct to the commuter's home. This public comfort factor, together with the capital investment factor, it is pointed out at Chief Engineer Purcell's office, will influence the type of rolling stock to operate on the bridge.

Factors of efficiency also argue in favor of unification of operation as opposed to two or more companies operating on the bridge.

Engineers and experts from the Key Route and Southern Pacific are kept advised of, and participate in, studies of the problems. The ownership and operation of the only existing East Bay lines by these two companies is a factor which requires that the bridge line fit into the existing East Bay transportation systems.

Approaching a solution of the problem of interurban transportation over the bridge, Chief Engineer Purcell's staff are studying every possible plan and obtaining every possible fact on all means of public transportation, and, with this background, expect to provide an interurban service across the bridge which will serve the communities in the best possible manner, and be acceptable to the engineers and financial experts of the Reconstruction Finance Corporation.

Bids Called Oct. 3 On Construction of 110 Miles Conduits

Bids are to be received October 3 by the Los Angeles Metropolitan Water District for construction of 110 miles of conduit, canal and siphon on the Colorado River aqueduct project. The work is located in San Bernardino and Riverside counties between points near Earp and Indio.

Bids will be taken on sixteen schedules. The schedules are divided into sections ranging from approximately three miles to more than ten miles in length. Within certain schedules all types of construction occur.

Except in certain rock sections where the width is reduced to 12 feet, the canal is to have a bottom width of approximately 20 feet and is designed to carry a depth of water of about ten feet. The conduit is to be of semi-elliptical section with a height of about 16 feet.

Alternate bids are to be taken on pre-cast siphon and on monolithic construction. On two sections of a total length of 3.3 miles bids will be considered for welded steel pipe.

The total length of siphon is 14.64 miles; conduit, 33.65 miles; concrete-lined canal, 62.33 miles.

NEVADA TO LET SIX CONTRACTS SEPTEMBER 19

First Projects of 1935 Program Advertised For Early Letting

Bids have been called by the Nevada State Highway Directors for September 19 on six contracts, the first projects to be advertised under the new Nevada highway program. Of the contracts to be let, one calls for highway construction, one for construction of an overpass, and the remaining four for asphaltic surfacing.

The projects are located as follows:

Mineral County: Construction of 8.48 miles of the state highway system between 3.3 miles west of Luning and 12.8 miles east of Hawthorne, Route 3, including crushed gravel or stone surface.

Elko County: Construction of a steel overpass over the Southern Pacific Railway at Wells, including approximately 0.43 mile finished roadway.

Douglas County: Surfacing with asphaltic roadmix approximately 3.99 miles of state highway between the junction with Route 3 near Minden and a point four miles south of Minden.

Lyon County: Surfacing with asphaltic roadmix approximately 12.12 miles of Route 23, Section A, between Yerington and Wabuska.

Lincoln County: Surfacing with asphaltic roadmix approximately 14.38 miles of Route 7, Section A2, between 26 miles north of south county line and Alamo.

Clark and Nye Counties: Surfacing with asphaltic roadmix approximately 22.01 miles of Route 5, Sections H, A, and B, between Indian Springs and 22 miles west of Indian Springs on the highway.

All bids will be opened in the office of the Nevada State Highway Directors at Carson City. Bids on the various contracts will be opened at fifteen minute intervals, starting at 2 P. M.

SONOMA CONTRACTORS NOMINATE OFFICERS

Reorganization of the Sonoma County General Contractors' Association is planned with the nomination of new officers at a meeting held in Santa Rosa. Installation of the officials will follow at a meeting to be held in Healdsburg in the near future.

The new officers are D D. Downe Sebastopol, president; J. H. Frahm, Petaluma, vice-president; C. W. Hansen, Santa Rosa, secretary; and the following executive board members: H. P. and H. H. Vogensen, Petaluma, Louis and Harold Halversen, Santa Rosa; J. P. Schatto, Rio Nido; A. J. P. Jensen, Guerneville; P. F. Witter, Healdsburg; J. E. Bentley, Cloverdale and Ralph Murphy, Sonoma.

GOVT. ASKS BIDS ON FIVE ARIZONA ROAD CONTRACTS

Proposals To Be Opened By Bureau Within Three Weeks

Six contracts for highway construction and maintenance in Arizona are being advertised by the U. S. Bureau of Public Roads. The work is located in Gila, Coconino and Apache counties, and includes grading, subgrade reinforcement, placing a gravel base course and a seal coat.

The Bureau will open bids as follows:

September 4, for placing a seal coat on approximately 17 miles of Section D of the south approach to Grand Canyon National Park, Coconino county.

September 6, for placing a base course on about four miles of Section B2 of Route 1, Petrified Forest National Monument, Apache county. The work involves approximately 13,000 tons crushed gravel base course and 400 tons supplemental crushed gravel.

September 11, for placing subgrade reinforcement on approximately five miles of Section A of Route 11, Payson-Colcord Mountain National Forest Highway, Tonto National Forest, Gila county. The work involves about 6,500 cu. yds. subgrade reinforcement and 35,000 cu. yds. hauling subgrade reinforcement.

September 13, for grading and placing a selected material subgrade reinforcement on about nine miles of Route 8, Hermit Rest, Grand Canyon National Park, Coconino county. The work involves, among others, major items of approximately 23,500 cubic yards unclassified excavation; 41,500 yards excavation for borrow; 20,000 station yards overhaul; 31,200 cubic yard miles borrow haul; 30,500 cu. yds. subgrade reinforcement; and the laying of 1,784 feet of corrugated metal pipe.

September 18, for grading about three miles of Section B of Route 11, Payson-Colcord Mountain National Forest Highway, Tonto National Forest, Gila county. The work involves, among others, major items of approximately 10 acres of clearing; 17,000 cu. yds. unclassified excavation; 4,000 station yards overhaul; 3 miles finishing earth graded road; 22,700 lbs reinforcing steel; 11,500 feet protection ditch, and 6,600 feet of new fence.

All bids will be opened at the Bureau of Public Roads office in Phoenix, Arizona.

Shipments of fireproof safes totaled $1,024,437 during the first 7 months of 1934, as compared with $704,455 during the corresponding period of 1933, according to reports received by the Bureau of the Census by 17 manufacturers.

MATERIAL PRICE AVERAGE GAINS 9½% IN YEAR

Decrease of Nearly One Per Cent Shown in Bureau Index For July

Declining prices of lumber, paint and paint materials, plumbing and heating items, structural steel and other building materials caused a reduction in the price average of the building materials group of slightly less than one percent during July, the U. S. Bureau of Labor Statistics reports.

The index for brick and tile averaged higher than in June, while cement remained at the previous level. Building material prices are higher by 9½ percent than in July, 1933. The July index, 87.0 compared with 79.5 for a year ago. Present prices are on the average 25 percent higher than two years ago and 8½ percent lower than the general average for July, 1929.

The bureau weekly report on building material prices shows that from August 1 to August 18 prices had decreased slightly, bringing the group average to 86.4 on the latter date.

Following is a comparison of the price index of principal materials for July, 1933 and July, 1934, together with the percentage change indicated:

	Index July 1933	Index July 1934	% In-c'se
Building materials	79.5	87.0	9.4
Brick and tile	78.2	91.3	16.8
Cement	88.2	93.9	6 5
Lumber	75.9	85.3	12.4
Paint and paint mtls.	77.9	79.8	2.4
Plumbing and heating	69.4	75.0	8.1
Structural steel	81.7	92.5	13.2
Other bldg. materials	83.3	90.9	9.1

FRESNO ASKS OKEH ON $80,000 BUILDING

Rehearing of the Fresno city board of education application to use $80,000 for a school administration building has been granted by the State Board of Equalization. The board previously denied permission to use the sum in erection of an administration building.

The school department expects to receive $80,000 from sale of property which as been selected by the city of Fresno as a civic auditorium site. Failure of the board of equalization to approve use of proceeds for the administration building threatened to delay transfer of the site and construction of the auditorium for which plans are being prepared.

$146,000 READY FOR SAN MATEO COUNTY OFFICES

PWA Allotment Contingent On Authorization Of Loan Security

Financing of a proposed San Mateo county office building to be located at Redwood City has been approved by the Federal Public Works Administration, according to dispatches from Washington, announcing an allocation of $146,000.

A bond issue will be necessary to secure the loan portion of the allotment.

Preliminary plans for the new building have been prepared by Architect William H. Toepke, San Francisco. The plans are for a four-story and basement structure of reinforced concrete. The building would be occupied by the county library and various county offices which are now occupying rented quarters.

San Mateo county also has applications pending before PWA for financing of a county tubercular hospital and an addition to the county courthouse.

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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
398	Thall	Lindsay	5000
399	O'Hallaron	Owner	1100
400	Rio	Harman	2000
401	Mills	Owner	2500
402	Mastropasqua	Owner	1800
403	Novello	Novello	1000
404	Dufourcq	——	1800
405	Novello	Novello	1500
406	Nunn	Mullen	2800
407	Maron	Owner	3500
408	Gamble	Petersen	3000
409	Stern	Unit	1500
410	Fissote	Owner	2000
411	Allec	Woodcraft	4500
412	Newlands	Taylor	1500
413	Vigo	Owner	1500

DWELLING
(398) NW CAYUGA 144 NW Santa Inez. One-story and basement frame dwelling.
Owner—Walter Thall, 19 Landers St., San Fracisco.
Architect—Not Given.
Contractor—Boyd C. Lindsay, 183 Oxford St., San Francisco. $5000

ALTERATIONS
(399) NO. 3871 TWENTY-SIXTH ST. Alter dwelling.
Owner—Patrick O'Halloran, Premises
Architect—Not Given. $1100

TANK, ETC.
(400) SW ILLINOIS & SIXTEENTH Sts. Gasoline tank enclosure and slabs.
Owner—Rio Grande Oil Co., 417 South Hill St., Los Angeles.
Architect—Not Given.
Contractor — Harman Pacific Co., 7 Front St., San Francisco. $2000

ALTERATIONS
(401) NO. 220 MONTGOMERY ST. Alter offices.
Owner — Mills Estate Incorporated, 1088 Mills Bldg., San Francisco.
Architect—Not Given. $2500

ALTERATIONS
(402) NO. 2434 UNION ST. Alter dwelling.
Owner — Louis Mastropasqua, 580 Washington St., San Francisco.
Architect — Louis Mastropasqua, 580 Washington St., S. F. $1800

TIRE BLDG.
(403) SW RUSSIA AND NAPLES ST. One-story frame tire and greasing building.
Owner — Joseph Novello, 172 Bertita St., San Francisco.
Architect—Not Given.
Contractor—Joseph Novello, 172 Bertita St., S. F. $1000

LAUNDRY
(404) N GEARY BLVD. 70 E 20th Ave. One-story Class C laundry.
Owner — U. Dufourcq, 5538 Geary Blvd., San Francisco.
Plans by Owner.
Contractor—Not Selected. $1800

STATION
(405) SW RUSSIA AND NAPLES. One-story Class C service station
Owner — Joseph Novello, 172 Bertita St., San Francisco.
Architect—Not Given.
Contractor—Joseph Novello, 172 Bertita St., San Francisco. $1500

ALTERATIONS
(406) NO. 824 MARKET ST. Alter store.
Owner—Nunn Bush Shoe Co., 111 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco. $2800

REPAIRS
(407) NO. 124 MAIN ST. Repair fire damage to warehouse.
Owner—A. J. Moran, 645 Russ Bldg., San Francisco.
Architect—Not Given. $3500

STORE BLDG.
(408) W MISSION ST. 89 N Twentieth St. One-story frame store building.
Owner—Dr. R. A. Gamble, % Contractor.
Architect—Not Given.
Contractor — Antone Petersen, 2758 San Bruno Ave., S. F. $3000

ALTERATIONS
(409) NO. 3 MARKET ST. Alter stores.
Owner—M. Stern, Premises.
Architect—Not Given.
Contractor — Unit-Bilt Fixture Co., 963 Harrison St., S. F. $1500

ALTERATIONS
(410) NE VALLEJO AND MARgrave Place. Alter flats and store.
Owner—Mrs. Fissote, % L. Dallarso, 32 Jansen St., San Francisco.
Architect—Not Given. $2000

ALTERATIONS
(411) SE SEVENTEENTH & FOLsom Sts. Alter light manufacturing and show room building.
Owner—Jean Allec, 120 Upper Terrace San Francisco.
Architect — Williams & Grimes, 251 Post St., San Francisco.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—Woodcraft Co., 45 Hallam St., S. F. $4500

ALTERATIONS
(412) NO. 74 NEW MONTGOMERY St. Alter offices and stores.
Owner — John C. Newlands, Agent, Call Bldg., San Francisco.
Architect—Not Given.
Contractor — Taylor & Goericke, 55 New Montgomery St., S. F. $1500

ALTERATIONS
(413) NO. 1700 FILBERT ST. Alter stores and apartments.
Owner—E. Vigo, 1704 Filbert Street, San Francisco.
Architect—Not Given. $1500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
343	Bloom	Pollard	3750
344	Capital	Owntr	10000
345	Syndicate	Windsor	1800
346	Syndicate	Windsor	1800
347	Klein	Owner	5000
348	Woolsey	Smith	2000
349	Scammell	Owner	4500
350	White	Owner	1250
351	McCauley	McDonald	1195

DWELLING
(343) NO. 1725 SONOMA ST., BERKELEY. One-story 6-room frame dwelling and garage.
Owner—Mary Bloom, 77 Plaza Drive, Berkeley.
Architect—Not Given.
Contractor—A. J. Pollard, 77 Plaza Drive, Berkeley. $3750

REPAIRS
(344) NO. 1426-32-38-44 THIRD AVE. OAKLAND. Repairs.
Owner—Capital Co., 625 Market St., San Francisco.
Architect—Not Given. $10,000

DWELLING
(345) NO. 6194 VALLEY VIEW DR., OAKLAND. One-story 3-room dwelling.
Owner — Syndicate Merriewood Co., 1401 Broadway, Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston Ave., Oakland. $1800

DWELLING
(346) NO. 6182 VALLEY VIEW DR., OAKLAND. One-story 3-room dwelling.
Owner — Syndicate Merriewood Co., 1401 Broadway, Oakland.
Architect—Not Given.
Contractor—Geo. Windsor, 928 Kingston St., Oakland. $1800

DWELLING
(347) NO. 4071 OAKMORE ROAD, OAKLAND. Two-story 6-room dwelling.
Ownr — M. Klein, 5964 Canning St., Oakland.
Architect—Not Given. $5000

ALTERATIONS
(348) NO. 2085 ALLSTON WAY, BERKELEY. Alterations.
Owner—W. E. Woolsey, 2071½ Allston Way, Berkeley.
Architect—Not Given.
Contractor — Harry C. Smith, 2011 Francisco St., Berkeley. $2000

DWELLING
(349) NO. 3700 ELSTON AVENUE, OAKLAND. One-story six-room dwelling.
Owner—J. W. Scammell, 424 A Scenic Ave., Piedmont.
Architect—Not Given. $4500

ALTERATIONS
(350) NO. 427 TWELFTH STREET, OAKLAND. Alterations.
Owner—White & Pollard, Agents, 1727 Franklin St., Oakland.
Architect—Not Given. $1250

ADDITIONS
(351) NO. 1700 SPRUCE ST., BERKELEY. Additions.
Owner—Mrs. H. C. McCauley, Prem.
Architect—Not Given.
Contractor — S. O. McDonlad & Son, 2912 Deakin St., Berkeley. $1195

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
79	Pacific	Cremar	1540

ALTERATIONS
(79) NO. 140 NEW MONTGOMERY St. All work on ceilings and walls in Rooms 706,929A and 929B of Telephone Co. Building.
Owner — Pacific Telephone & Telegraph Co., Premises.
Architect—Not Given.
Contractor—R. L. Cramer (as Acoustical Engineering Co), 1325 Clement St., San Francisco.
Filed Aug. 27, '34. Filed Aug. 15, '34.
Upon completion 75%
40 days after completion..... 25%
TOTAL COST, $1540.50
Bond, $140.50. Surety, Pacific Indemnity Co. Limit, forfeit, plans and specifications none.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Sub-Contracts Awarded

APARTMENTS Cost, $4000
SAN FRANCISCO. 322 Ellis Street.
Alterations to hotel apartments.
Owner—Glide Foundation, Inc., 322 Ellis Street.
Architect—Jas. W. Plachek, Mercantile Bldg., Berkeley.
Plumbing—J. V. Young, 198 Otis St.
Plastering—John Frasier, 770 Third St.
Electric — Radelfinger Bros., 544 Natoma Street.

Additional Sub-Contracts Awarded

ALTER APTS. Cost, $——
SAN FRANCISCO. Folsom and 12th Streets (1629 Folsom St.)
Alterations to 3-story frame and stucco apartment bldg. (tar and gravel roof, hardwood floors, tile in baths)
Owner—Mrs. A. F. Bickel.
Architect—R. H. Bickel, 9 Geary St.
Contractor—Robt. McCarthy, 1363 14th Avenue.
Painting—A. W. Stoneback, 2020 15th Street.
Plastering—James Patto, 36 Day St.
Bids are now being received on hardwood flooring. Other awards reported August 7.

2— BONDS

BONDS SOLD

FRESNO, Cal.—Fresno City Commission accepted bid of Harris Trust & Savings Bank, Chicago, for issues of $375,000 municipal audtiorium bonds and $35,000 storm sewer bonds at an average interest rate of 3⅜%. The bank will take $200,000 at 3½%, $75,000 at 3¼% and $35,000 at 3½%. A total premium was paid in addition of $302.

Proceeds will be used by the city together with PWA grants of 30% of cost to construct a municipal auditorium and extend storm sewers.

3— CHURCHES

Bids Opened

ADDITION Cost, $——
WOODLAND, Yolo Co., Calif.
Frame and stucco addition to church (add two Sunday school rooms, social room in basement, etc.)
Owner—Baptist Church, Woodland.
Architect—Chas. F. Dean California State Life Bldg., Sacramento.
Low Bidder—J. G. Motroni, Box 537, Woodland.
Following bids received:
J. G. Motroni, Woodland $3,358
Brown & Woodhouse, Woodland.. 3,598
C. C. Hall, Woodland 3,709
C. J. Hopkinson, Sacramento 4,243
Bids held under advisement.

PLANS COMPLETED

VAN NUYS, Los Angeles Co., Cal.—Henry B. Watson, architect, 1145 W. Kensington Road, Los Angeles, applied for building permit to construct two-story 27-room frame and stucco school and auditorium addition to church at 6500 Sylmar Avenue, Van Nuys District for First Baptist Church of Van Nuys, owner, % of Thomas Briggs, Chairman of Building Committee, 14744 Archwood St., Van Nuys; 100x100 feet, Mission tile and composition roof, ornamental iron, wood sash and casement windows, colored and leaded glass, cast stone trim, cement, quarry tile, hardwood, pine and linoleum floors, Oregon pine and hardwood trim, gas steam radiators, cement and tile toilets, baptistry, balcony, automatic storage water heater. Cost, $30,000.

4 — FACTORIES & WAREHOUSES

Sub-Contracts Awarded

WAREHOUSE Cost, $15,000
OAKLAND, Alameda Co., Calif. 1214 Fifty-seventh Avenue.
One - story wood frame warehouse. (wood roof, corrugated sheet metal siding, brick front).
Owner—Stokeley Brothers & Co., 1154 57th Ave., Oakland.
Plans by Builder.
Contractor—The Austin Co. of Calif., 720 Ray Bldg., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Miscellaneous Steel—Judson - Pacific Co., foot of Park Ave., Oakland.
Concrete Aggregates—Rhodes & Kennedy, Inc., 101 4th St., Oakland.
Reinforcing Steel—George R. Boorman Steel Co., 25 8th St., Oakland.
Brick — Richmond Pressed Brick Co., Santa Fe Point, Richmond.

FIRE LOSS

UKIAH, Medocino Co., Calif.—Fire destroyed the winery owned by C. D. Tribuno in Ukiah August 22. It is planned to rebuild the plant immediately. Loss is completely covered by insurance.

Construction To Start Shortly.

WINERY Cost, $——
LODI, San Joaquin Co., Calif. Victor Road.
Construct winery (150x100 ft.) brick, concrete and steel construction, cement floor, equipment and cooperage, rails, etc.
Owner—Monarch Winery.
Plans by Engineering Dept. of Owner.
Mgr. of Const.—Leo Starr, premises.

Roofing Contract Awarded

WINERY Cost, $10,000
CALISTOGA, Napa Co., Calif.
Alterations to existing building and addition of storage and fermenting room, frame and plaster with redwood bark insulation.
Owner—Napa Valley Cooperative Winery, Calistoga (Fred S. Grange, Secretary).
Private Plans.
Contractor—W. W. Williamson, 320 Market St., San Francisco.
Roofing—Pacific Roofing Co., Vallejo.

Plans Completed

LAUNDRY Cost, $2000
SAN FRANCISCO. N Geary Blvd. 70 E 20th Ave.
One-story Class C laundry.
Owner—U. Dufourcq, 5538 Geary Blvd.
Plans by Owner.

FIRE LOSS

VISALIA, Tulare Co., Cal.—Fire destroyed the Visalia Baking Company plant located at North Second Ave. August 25. Damage estimated at $200,000.

To Be Done By Day's Work

REPAIR WAREHOUSE Cost, $4000
SAN FRANCISCO. 124 Main Street.
Repair fire damage to warehouse.
Owner—A. J. Moran, 645 Russ Bldg.
Architect—Not Given.

Contract Awarded

FACTORY Cost, $4500
SAN FRANCISCO. SE 17th and Folsom Streets.
Alterations to cleaning plant, including steel beams and columns, concrete footings, office alterations electrical, plumbing, etc.
Owner—J. Allec Parisian Dyeing and Cleaning Works, Inc., 1360 Mission Street.
Architects—G. M. Grims and Albert R. Williams, 251 Post Street.
Engineer—W. Adrian, 417 Market St.
Contractor — Woodcraft Mfg. Co., 46 Hallam Streets.

5— FLATS

August 30, 1934

To Be Done By Day's Work

ALTERATIONS Cost, $2500
SAN FRANCISCO. NE Vallejo and Margrave Place.
Alterations to flats and store bldg.
Owner—Mrs. Fissote.
Architect—Not Given.
Contractor—L. Dallarso, 32 Jensen St.

6—GARAGES & SERVICE

To Be Done By Day's Work

GARAGE Cost, $1500
FRESNO, Fresno Co., Cal. 2900 Hamilton Street.
Construct garage building.
Owner—Sun Maid Raisin Growers' Association, 41 Burness St., Fresno.
Architect—Not Given.

Contract Awarded

GARAGE Cost, $7500
SAN JOSE, Santa Clara Co., Calif. First St. near St. James.
One-story reinforced concrete public garage (60x98 ft.) built-up roof, concrete floor, etc.
Owner—R. M. Cuthbert, 45 W. Saint James St., San Jose.
Architect—Wm. Higgins, 19 N. Second St., San Jose.
Contractor—Whiteside Bros., 71 S 19th St., San Jose.

To Be Done By Day's Work.

SERVICE STATION Cost, $2000
SAN FRANCISCO. SW Russia and Naples Streets.
One-story Class C service station.
Owner and Builder—Joseph Novello, 172 Bertita St., San Francisco
Plans by Owner.

7—FEDERAL BUILDING

LOW BIDDER

SUMMITT, Canal Zone—H. B. Nelson Construction Co., Red Rock Bldg., Atlanta, Ga., at $401,660 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of buildings, roads, services, etc., at the Naval Radio Station, Summitt, Canal Zone. Specification No. 7415. Sec-

ond low bid was submitted by Tucker McClure Co., Los Angeles, at $414,-000. Complete bids will be published shortly.

BIDS WANTED

FRANCE FIELD, Canal Zone—Until Sept. 26, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, San Francisco, for the construction of a single hangar No. 44 and utilities and appurtenances at France Field, Canal Zone. Plans and specifications may be obtained from above office and from the Constructing Division, Army Department, Washington, D. C., upon deposit of $5. Estimated cost, $184,369.

BIDS OPENED

SAN FRANCISCO—Thos. J. Lamey & Sons Tile Co., 323 Clementina St., at $52.50 submitted low bid to Material Officer, Marine Hospital, San Francisco, for repairs to the roof garden over the center wing of the main building, No. 1, to include repointing of all terra cotta around the entire roof and sealing of all cracks with an approved filler. Other bids were:

Nick Hemminga $200.00
Albert J. Cantrell..... 235.00

Bids held under advisement.

PLUMBING AND HEATING FIGURES AVAILABLE

LUALUALEI, T. H.—J. A. Fazio, 2059 Webster St., Oakland, has plumbing and heating figures available to submit to general contractors for the construction of buildings, roads, and services at the Naval Radio Station, Lualualei, T. H., under Spec. No. 7525. Bids are to be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Sept. 5th, 11 A. M. 7

CONTRACT AWARDED

ASTORIA, Oregon — Hart & Co., Astoria, at $444.70 awarded contract by Bureau of Yards and Docks, Navy Dept., Washington, D. C., for waterproofing radio station at Astoria, Oregon.

SUB-CONTRACTS AWARDED

HAMILTON FIELD, Marin Co., Cal. Fred. J. Early, Jr., 369 Pine St., San Francisco, awarded the following subcontracts for the construction of a boat house and decking at Hamilton Field. Cost $8,624:

Plastering—Chris Berg, 719 45th Ave., San Francisco.
Mill and Glass—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Painting—Raphael Co., 270 Tehama St. San Francisco.
Roofing—J. W. Bender Roofing Co., 1999 Bryant St., San Francisco.
Miscellaneous Iron—Peerless Orn. Iron & Bronze Co., 1528 Folsom St., San Francisco.

Plans Being Completed

FEDERAL BLDG. Cost, $500,000
SAN PEDRO, Los Angeles Co., Calif. Beacon St. bet. 8th and 9th Sts.
Three-story and basement Class A federal building (250x100 ft.) will house post office, customs dept., immigration and public health service, steam boat inspection service, shipping commission and hydrographic office.
Owner—United States Government.
Architect—Gorden B. Kuafmann, 610 Union Bank Bldg., Los Angeles, and W. Horace Austin, 532 Chestnut Ave., Long Beach.
The Treasury Department expects to ask bids within 60 days.

SUB-BIDS WANTED

SAN FERNANDO, Los Angeles Co., Cal.—T. A. Beyer Corp., 438 Chamber of Commerce Bldg., Los Angeles, desires subcontract bids to be incorporated in a general bid to be submitted to Treasury Department Sept. 14 for construction of the U. S. post office in San Fernando. Bids should be in Beyer corporation's hand not later than Sept. 10.

PROSPECTIVE BIDDERS

OAKLAND, Calif. — Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on Sept. 13, 10 A. M., fir the construction of additions and changes on the first floor and basement of the U. S. post office building and custom house in Oakland:

Thelrault Contr. Co., 534 E. Johnson St., Philadelphia.
Smythe & Co., 1416 F St. N.W., Washington, D. C.
Tioga Contr. Co., 921 W. Tioga St., Philadelphia.
Highbridge - International Co., New York City.
Universal Const. Co., Medical Arts Bldg., Fort Wayne, Ind.

LOW BIDDER

ASTORIA, Ore.—Hart & Company, Astoria, at $324.95 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for waterproofing radio station at Astoria.

Complete Bid Listing

POST OFFICE Cost, $45,100
ROSEVILLE, Placer Co., Cal.
One - story and basement post office building (65x70 ft.) concrete wall, stucco exterior, tile coping, composition roof, structural steel, steel sash, steam heat.
Owner—U. S. Government (Treasury Department).
Architect—Supervising Architect, Treasury Dept., Washington, D. C.
Complete bids follow:

Fred. J. Maurer, Eurkea.....$40,000
Wm. MacDonald Const. Co., St. Louis, Mo. 40,497
Schuler & McDonald, Oakland..... 41,000
Murch Bros. Const. Co., Saint Louis 41,866
F. H. Betz, Sacramento..... 49,400
Wm. Spivock, San Francisco..... 50,000

Bids held under advisement.

PROSPECTIVE BIDDERS

SAN FERNANDO, Los Angeles Co., Calif.—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington D. C., on Sept. 14 for the construction of a post office building at San Fernando:

Murch Bros. Const. Co., St. Louis.
Wm. MacDonald Const. Co., Saint Louis.
Sarver & Zoss, Inc., 1015 W. Fourth St., Los Angeles.
T. A. Beyer Corp., 438 Chamber of Commerce Bldg., Los Angeles.
W. L. Snook, 210 La Arcade Bldg., Santa Barbara, Calif.
S. W. Rindfleisch, 220 N. Broadway, Milwaukee, Wis.

SITE SELECTED

TRACY, San Joaquin Co., Calif.—Treasury Department, Washington, D. C., has selected property at the northwest corner of Tenth and B Streets, Tracy, as the site for the U. S. post office to be erected in that city. The site covers an area of 85x163 feet.

BIDS WANTED

FRANCE FIELD, Canal Zone.—Until Sept. 26, bids will be received by the Construction Division, Army Department, Washington, D. C., for the construction of hangars and appurtenances at France Field. Estimated cost, $184,369.

PREPARING PLANS

SOUTH PASADENA, Cal.—Treasury Department, Office of the Supervising Architect, Washington, D. C., has plans about 50% complete for the U. S. post office building to be erected in South Pasadena.

PLANS COMPLETED

LONG BEACH, Los Angeles Co., Cal.—Treasury Department, Office of the Supervising Architect, Washington, D. C., has completed plans for the completion of the fourth and fifth floors of the Long Beach Post Office building tower. Within the next two weeks plans for finishing the sixth and seventh floors will be completed, after which proposals for the finishing work will be submitted by Lindgren & Swinerton, general contractors for the structure. Cost, $24,-000.

CONTRACT AWARDED

SAN DIEGO, Calif. — R. G. Meyler Corp., 408 S. Spring St., Los Angeles, awarded contract by Bureau of Yards and Docks at $5950, for brick setting for two existing boilers at the Naval Operating Base (Fuel Depot), San Diego; Spec. No. 7768. The work consists of the removal of the existing battery setting and the furnishing and installing of a new brick setting, and miscellaneous steam, water and draft measuring equipment. The work includes a small change in the existing concrete foundation of setting, new boiler baffles and other miscellaneous work and appurtenances.

CONTRACT AWARDED

SAN DIEGO, Cal.—Brock Building Co., 4265 Ethelda Pl., San Diego, awarded contract by Bureau of Yards and Docks, at $2547, for alterations to Building No. 1 at the Naval Operating Base (Fuel Depot), San Diego; Specifications 7752. The work will consist of altering an existing two-story, frame building for use as quarters, and includes carpentry work, plumbing, electrical work, painting and miscellaneous work.

CONTRACT AWARDED

SAN RANCISCO.—Cramer Brothers, 1325 Clement St., at $785 awarded the contract by Treasury Department, for painting plaster at the U. S. Marine Hospital, 14th Ave. and Lake Street, San Francisco.

BIDS REJECTED

CORVALLIS, Ore.—Treasury Dept. rejected bids for painting plaster, etc., in the U. S. post office at Corvallis. Lowest bid was submitted by Patterson Bros., 473 Santa Rosa Ave., Berkeley.

BIDS WANTED

LIVERMORE, Alameda Co., Calif.—Roma Hardwood Co., 3529 Market St., San Francisco, at $.06 per ft., total $720.00, submitted low bid to Veterans Adminisration, Livermore Hospital, for refinishing and sanding floors at the Veterans' Hospital, Livermore.

Complete bds follow:

Roma Hardwood Floor Co., San Francisco .....$ 720
Ace Hardwood Floor Co., San Francisco 750
Paul Sansome, S. F..... 840
Jas. Forster, Livermore..... 960
Royal Floor Co., S. F.....1,035

Bids referred to Washington for award.

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal.—Fred. J. Early, Jr., 369 Pine St., San Francisco, at $8,624 awarded contracts under Items Nos. 1, 2 and 3, by the Constructing Quartermaster, Hamilton Field, for the construction of a boat house and decking at Hamilton Field. Complete bids published August 16.

CONTRACT AWARDED

SAN FRANCISCO.—Charles J. U. Koenig, 520 Church, at $99.30 awarded contract by Twelfth Naval District for installing wood and glass partitions in the District Staff Headquarters in San Francisco. Specifications No. 7774. Complete bids published Aug. 22.

CONTRACT AWARDED

SAN FRANCISCO.—Harry W. Oser and W. C. Akard, Hobart Bldg., at $7,444 awarded contract by Constructing Quartermaster, Fort Mason, for construction of additions to finance office building No. 19 at Fort Mason. Complete bids published August 17.

Bids Wanted—To Close Sept. 27, 1 P. M.

POST OFFICE $40,200
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Sts.
One-story Class A Post Office building (Mission style) tile roof.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the Treasury Department, Procurement Division, Public Works, Branch, Washington D. C., upon deposit of $15.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until Sept. 10, 11 A. M., bids will be received by Constructing Quartermaster, Hamilton Field, for furnishing and installing linoleum in Kitchens of 44 non-commissioned officers' quarters at Hamilton Field. Plans and specifications may be obtained from the above office and a copy will be on file at the office of the Builders' Exchange, 666 Mission St., San Francisco, and at the office of the Constructing Quartermaster, Fort Mason, San Francisco.

BIDS OPENED

RENO, Nev.—Following bids received by Treasury Supply Division for furnishing metal shelving for the Reno post office:

Medart Mfg. Co., $1402.51; Lyon Metal Products Co., $1475.98; Commercial Office Furniture Co. $1582.32; General Fireproofing Co., $1587.03; Globe-Wernicke Co., $1598.12; Penn Metal Co., $1600.06; DeLuxe Metal Furniture Co., $1635.14; Jamestown Metal Equipment Co., $1641.66; Art Metal Const. Co., $1645.62; Berger Mfg. Co., $1654.35; Interior Steel Equip. Co., $1,711.62; Metal Office Furniture Co., $1,819.71; Worley & Co., $1934.45.

Bids Opened

UTILITY BLDG. Cost, $117,900
YOSEMITE PARK, Merced Co., Calif.
One- and two-story utility bldg. (70x260) reinforced concrete wall, steel frame, hollow tile partitions, cement floor, asbestos shingle roof, oil-fired steam heating system.
Owner—U. S. Government (National Park Service) Underwood Bldg., San Francisco.
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.
Low Bidder—L. S. Peletz, 1660 West Acacia, Stockton.
Complete bids follow:

L. S. Peletz, Stockton	$111,787
Dinwiddie Const. Co., S. F.	112,400
Wm. Spivock, S. F.	114,915
Jas. L. McLaughlin, S. F.	115,989
B. A. Howkins Co., S. F.	117,480
F. J. Reilly, S. F.	118,931
Lindgren & Swinerton, S. F.	121,000
Schuler & McDonald, Oakland	124,857
M. J. Murphy, Carmel	124,980
A. Nelson, San Francisco	130,989
Meyer Const. Co., S. F.	138,587

CONTRACT AWARDED

SANTA CRUZ, Santa Cruz Co., Cal.—Gamerston and Green, 112 Market St., San Francisco, at $4,737.00 were awarded contract by District Quartermaster, for furnishing approximately 196,000 feet of lumber for the CCC camp at Santa Cruz.

LOW BIDDER

YUMA, Ariz. — Carrier Engineering Corp., 748 E. Washington Blvd., Los Angeles, at $18,280 submitted low bid to Treasury Department, Washington, D. C., for an air conditioning system to be installed in the U. S. Post Office at Yuma, Arziona.

8— CLUB BUILDINGS

Sub-Contracts Awarded.

ALTER CLUB Cost, $200,000
SAN FRANCISCO. Post St., between Taylor and Mason Sts.
Alterations and additions to club building (addition over gymnasium retile swimming pool, showers, new grill, enlarge cafe, cleaning front of building, decorating, carpeting, etc.)
Owner—Olympic Club, Premises.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Consulting Architects—John A. Bauer Arthur Brown Jr. and John Bakewell, 251 Kearny St., S. F.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.
Mechanical Work — Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.
Tile Work—Malott & Peterson, 20th and Harrison Sts., San Francisco
Mill Work—Pacific Manufacturing Co. Monadnock Bldg., San Francisco.
Plastering—Peter Bradley, 639 Brannan St., San Francisco.

9— HOSPITALS

Plans Being Completed.

HOME Cost, $100,000
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley City Limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephert Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Bids will be asked in two or three weeks.

Bids Wanted—To Close Sept. 21, 1 P. M.

ADDITION Cost, $——
SAN FRANCISCO. Fourteenth Ave. and Lake Sts. (Marine Hospital).
Construct addition to plague laboratory.
Owner—United States Government.
Plans by Treasury Dept. Washington, D. C.
Bids are being received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., and plans and specifications may be obtained from that office.
On previous bid opening April 17, lowest bid was submitted by Frank J. Reilly, 6350 Fulton St., San Francisco, at $10,231.

Bids Wanted—To Close Sept. 5.

HOSPITAL Cost, $25,000
TULARE, Tulare Co., Calif. County Hospital.
One-story isolation ward building for Tulare County General Hospital (90x34 ft.) to contain eight wards.
Owner—County of Tulare.
Architect—Ernest J. Kump, 533 Rowell Bldg., Fresno.

Planned.

ADDITION Cost, $4400
WOODLAND, Yolo Co., Cal. Yolo County Hospital.
Addition to Yolo County Hospital (add 50-50 beds, etc.)
Owner—County of Yolo.
Architect—Not Given.
Yolo County Board of Supervisors included $4400 in the budget for the fiscal year 1934-35, to finance construction.

12— POWER PLANTS

BIDS WANTED

SEATTLE, Wash.—Until September 13, 10 A. M., bids will be received by the Seattle Board of Public Works, G. W. Roberge, Secretary, Room 511, County-City Bldg., for construction as follows:

PROPOSAL A—Construction of a Power House Building, involving:
(1) Power house building complete except for electric conduit;
(2) 6600 ft. ¾-in. Sheradized conduit;
(3) 3000 ft. 1-in. Sheradized conduit;
(4) 2600 ft. of 1¼-in. Sheradized conduit;
(5) 150 ft. of 1½-in. Sheradized conduit;
(6) 1000 ft. of 2-in. Sheradized conduit;
(7) 50 ft. 2½-in. Sheradized conduit;
(8) 60 ft. 3-in. Sheradized conduit;
(9) 50 ft. 4-in. Sheradized conduit;
(10) 160 ft. 2-in. fiber conduit in place
(11) 300 ft. 3½-in. fiber conduit in place.

PROPOSAL B—Construction of Combination Transformer and Switch Platform, Railroad Bridge and Tailrace, involving:
(1) 16,000 cu. yds. tailrace excav., Class A;
(2) 9000 cu. yds. tailrace excavation, Class B;
(3) 500 cu. yds. tailrace excavation, Class C;
(4)4030 cu. yds. concrete in combination transformer and switch platform, railroad bridge and tailrace, Class B;
(5) 300 cu. yds. concrete in do, Class B;
(6) 370,000 lbs. placing reinforcing steel in combination transformer and switch platform, railroad bridge and tailrace.
(7) 100,000 lbs. steel in plate girders;
(8) 300 lbs. steel in frames;
(9) 3000 ft. timber piling;
(10) 5700 ft. sheet steel piling;
(11) Maintaining tracks and traffic;
(12) 10 MFBM bridge ties;
(13) 7 MFBM bridge planking;
(14) 300 cu. yds. riprap;
(15) 100 cu. yds. gravel;
(16) 500 ft. ¾-in. Sheradized conduit
(17) 4600 ft. 1-in. do;
(18) 2200 ft. 1¼-in. do;
(19) 500 ft. 1½-in. do;
(20) 500 ft. 2-in. do;
(21) 500 ft. 2½-in. do;
(22) 2 machines;
(23) 70 ft. 8-in. vitrified pipe;
(24) 120 ft. 10-in. vitrified pipe.

PROPOSAL C—Furnishing and placing concrete in generator pedestals, walls, beams, slabs and around machinery in power house building, involving:
(1) 2558 cu. yds. concrete in walls, beams, slabs and around machinery, Class C;
(2) 670 cu. yds. concrete in generator pedestals, Class B;
(3) Placing 140,000 lbs. reinforcing steel in walls, beams, slabs, generator pedestals and around machinery.

PROPOSAL D—Construction of Power House Building; Construction of Combination Transformer and Switch Platform, Railroad Bridge and Tailrace; Furnishing and Placing Concrete in Generator Pedestals, Walls, Beams, Slabs, and around Machinery in Power House Building. (Combination of Proposals A, B and C.)

Plans and specifications obtainable at the office of the City Light Engineer, 604 CountyCity Building, Seattle, upon deposit of $20. J. D. Ross, Lighting Superintendent.

BOULDER CANYON—STRUCTURAL STEEL—(GOVT.)

BOULDER CANYON, Nev.—Following bids received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 583, August 20, 2 P. M., for furnishing crane rails and miscellaneous structural steel for Boulder Power Plant, Boulder Canyon Project. The bidders were:

(A) Reuter Bros. Iron Works, Inc., (1 Shipping Point), Chicago, Ill.; (2 F. O. B. Point), Chicago, Ill.; (3 Discount), ½ of 1%.
(B) John W. Beam (1) Denver, Colo.; (2) Boulder City*; (3) ½ of 1%.
(C) Midwest Steel & Iron Works, (1) Denver, Exc. No. 6, Chicago; (2) Boulder City*; (3) ½ of 1%.
(D) Consolidated Steel Corp., Ltd. (1) Los Angeles; (2) Los Angeles; (3) Net.
(E) Duffin Iron Co. (1) Chicago, Ill.; (2) Chicago; (3) ½ of 1%.
(F) Alco Products Co., (1) Dunkirk, New York; (2) Dunkirk; (3) Net.
(G) Joseph T. Ryerson & Son, Inc., (1) Chicago, Ill.; (2) Chicago; (3) ½ of 1%.
(H) Mississippi River Valley Steel, (1) St. Louis, Mo.; (2) Boulder City; (3) Net.
(I) R. C Mahon Co., (1) Detroit, Mich. (2) Detroit; (3) Net.
(J) Omaha Steel Works, (1) Omaha, Neb.; (2) Omaha; (3) Net.
(K) Lorain Steel Co., (1) Lorain, O.; (2) Boulder City; (3) Net.
(L) Midland Structural Steel Co., (1) Cicero, Ill.; (2) Cicero; (3) ½ of 1%.
(M) Independent Bridge Co., (1) Neville Island, Pa.; (2) Boulder City; (3) Net.
(N) Stupp Bros. Bridge & Iron Co., (1) St. Louis, Mo.; (2) St. Louis; (3) Net.
(O) California Steel Products Co., (1) San Francisco; (2) Boulder City; (3) 1%.
(P) Pacific Car & Foundry Co., (1) Renton and Pittsburg; (2) See note (4); (3) Net.
(Q) Virginia Bridge & Iron Co., (1) Memphis, except No. 4 and 5, see note (8); (3) ½ of 1%.
(R) E. Burkhart & Sons, (1) Denver, and Chicago; (2) Denver & Chicago; (3) ½ of 1%.
(S) Pennsylvania Iron & Steel Co., (1) Los Angeles; (2) Los Angeles; (3) ½ of 1%.
(T) Worden Allen Co., (1) Milwaukee Wis.; (2) Boulder City; (3) ½ of 1%.
(U) Milwaukee Bridge Co., (1) Milwaukee, Wis.; (2) Boulder City; (3) Net.
(V) Kansas City Structural Steel Co. (1) Kansas City; (2) Boulder City (3) Net.
(W) Bethlehem Fabricators, Inc., (1) Bethlehem, Pa.; (2) Boulder City; (3) Net.
(X) Ingalls Iron Works Co., (1) Birmingham, Ala.; (2) Boulder City; (3) Net.

Complete bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(A)	$22,700	$.....	$.....	$.....	$.....	$.....	$.....
(B)	.....	.....	.....	.....	1600	.....	7050
(C)	26,800	2800	8700	13,280	1247	6000	5600
(D)	26,226	2192	6017	12,990	1432	2265	5132
(E)	23,900	2500	6100	12,600	.....	3200	5400
(F)	.....	.....	.....	.....	.....	5482	.....
(G)	25,643	1850	5800	13,000	1247	.....	5300
(H)	25,650	2530	6740	14,290	1800	4065	5080
(I)	21,175	2000	4900	10,530	.....	2590	.....

Combination Bids: (B) 5 and 7, $8550; (D) 1 and 7, $55,800; (H) 1 and 7, $59,596; 1, 2, 3, 5, 6, 7, $45,206; 1, 3, 5 6 and 7 $42,676.

(J)	37,000	2400	7500	.....	.....	.....	6100
(K)	.....	.....	.....	12,591	.....	.....	.....
(L)	23,333	2237	5293	.....	.....	.....	5247
(M)	30,740	2640	7440	13,740	1740	3740	5970
(N)	19,917	1793	5242	12,160	894	.....	4085
(O)	35,488	.....	.....	.....	1496	.....	9440
(P)	29,190	.....	.....	.....	.....	.....	.....
(Q)	24,440	2980	5290	13,800	1245	3100	6350
(R)	32,332	.....	.....	.....	.....	.....	.....
(S)	.....	.....	.....	.....	.....	.....	5564
(T)	29,675	2570	5990	13,500	990	2960	6200
(U)	28,118	.....	.....	.....	.....	.....	.....
(V)	27,100	2610	5790	15,130	.....	.....	6390
(W)	30,850	2650	6320	7,415	.....	.....	6190
(X)	28,940	2940	7175	15,840	1575	5485	6215

Combination Bid—(X) 1 and 7, $66,950.

Notes F.O.B. Points

(1) B Bid—Item 5 Denver, Colorado.
(2) Bid C—Item 1 46,000 lbs. Pennsylvania, balance, Boulder City.
(3) Bid C—Item 6 Chicago, Illinois.
(4) Bid P—Item 1, 46,000 lbs. Pittsburg, 515,000 lbs. Boulder City.
(5) Bid Q—Item 1, Memphis, Tenn.
(6) Bid Q—Item 3, Memphis.
(7) Bid Q—Item 7, Memphis.
(8) Bid Q—Item 4, Shipping point, Birmingham, Ala., Steelton Pa., and Johnstown, Pa.

Item 5 shipping point Birmingham, Ala., and Cleveland, Ohio.

*Boulder City unless noted.

All bids held under advisement.

SELF-LOCK ROOSHOR ADJUSTABLE
ROOSHORS AND
with
CUT LABOR COSTS
ROOS COLUMN CLAMPS
W. J. BURKE & CO. Northern California Distributors
200 Davis Street Phone DOuglas 8590 - San Francisco

LOW BIDDER

BOULDER DAM, Nevada—Kawneer Manufacturing Co., Eighth St. and Dwight Way, Berkeley, submitted the apparent low bid on window schedule to the Bureau of Reclamation in Denver, August 27, at $107,023, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, metal-sash windows, window operators, spandrels panels, louvres, mullions, rolling doors, and lanterns for installation in the Boulder Dam Power Plant, and appurtenant works, Boulder Canyon Project, Arizona - California - Nevada. The materials will be installed by the Government.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

PLANNED

SANTA BARBARA, Cal.—Supervisors Stanwood, Dinsmore and Stevens have been appointed a committee to determine whether or not the county shall retain architects, or whether all architects are to be given an opportunity to submit plans for the proposed service building addition to Santa Barbara county courthouse. Work on the structure will not start for at least four or five months.

PLANNED

SANTA MARIA, Santa Barbara Co., Cal.—Santa Barbara county supervisors contemplate erecting a branch courthouse in Santa Maria to cost approximately $125,000. The project depends upon an appropriation of government funds.

BIDS WANTED

WATSONVILLE, Santa Cruz Co., Cal.—Until Sept. 11, 7:30 P. M., bids will be received by M. M. Swisher, City Clerk, City Hall, Watsonville, for furnishing and laying carpet on floor of main lodge hall on the second floor of the City Hall, Watsonville. Specifications include placing of one layer of 1.4 in. all hair carpet lining.

14— RESIDENCES

Plans Being Prepared.

RESIDENCE Cost, $8500
CORTLAND, Yolo Co., Cal.
Two-story frame and stucco residence (8 rooms and 2 baths); Spanish style; tile roof, tiled baths hardwood floors, etc.
Owner—Mr. Merwin.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Bids will be asked about October 15.

Architect—Not Given.

To Be Done By Day's Work

RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 3700 Elston Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424-A Scenic Ave., Piedmont.

Sub-Contracts Awarded.

RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. No. 464 Spruce Street.
Two - story frame and stucco residence (8 rooms)- Spanish style, tile roof, gas heating system, hardwood floors, etc.
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Plans by Owner.
Plastering — Harry Mortensen, 3994 39th Ave., Oakland.
Electric Wiring — James Anderson, 2421 23rd Ave., Oakland.
Roofing—W. L. Saxby, 4538 Fleming Ave., Oakland.
Brick—W. H. Wisheropp, 3749 Quigley St., Oakland.

Being Done By Day's Work.
RESIDENCE Cost, $——
WOODSIDE, San Mateo Co., Cal.
One-story wood frame residence (4 rooms and 2 baths); shingle roof.
Owner—Miss Harriet Jollisse.
Architect—W. W. Wurster, 260 California St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6000
ORINDA, Sontra Costa Co., Cal.
One and one-half-story frame and brick veneer residence (6 rooms and 2 baths); tile roof, gas hot air heating system, wood sash, tiled baths, etc.
Owner—Haciendas Homes, Inc (Mason McDuffie Co., 2101 Addison St., Berkeley).
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor — George Windsor, 928 Kingston Ave., Piedmont.

Contract Awarded.
RESIDENCE Cost, $4500
OAKLAND, Alameda Co., Cal. Rhoda Avenue.
One-story and basement frame and stucco residence (5 rooms) shingle roof, gas heating system, hardware floors, etc.
Owner—Mr. Petersen.
Plans by W. W. Dixon, 1844 Fifth Ave., Oakland.
Contractor—Olaf Peterson, 3626 Rhoda Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. Oakmore Highlands.
One and one-half-story frame and stucco residence (6 rooms and 2 baths); shingle roof, gas-heating system, hardwood floors, tiled baths, etc.
Owner and Builder—Martin Klein, % W. W. Dixon, 1844 5th Ave., Oakland.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Plans Being Completed.
ALTERATIONS Cost, $3000
BERKELEY, Alameda Co., Cal. Hillcrest Road.
Alterations and additions to two-story frame residence (work includes, adding two rooms, new plumbing, painting, glass, etc.)
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Bids will be asked within one week

Contract Awarded
RESIDENCE Cost, $6000
SAN JOSE, Santa Clara Co., Calif. Thirteenth St. near San Carlos.
One - story and basement frame and stucco residence (6 rooms; Spanish style) tile roof, automatic gas heating system, hardwood floors, 2-car garage, etc.
Owner—G. E. Musser, 495 E. St. John St., San Jose.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Contractor—Henry Musser, 90 N. 17th St., San Jose.

Plans Completed
ALTERATIONS Cost, $2000
SAN FRANCISCO. 2434 Union Street.
Alterations to residence.
Owner—L. Mastropasqua, 580 Washington Street.
Plans by Owner.

Low Bidder
RESIDENCE Cost, $14,000
BAYWOOD, San Mateo Co., Calif.
Two-story and basement Spanish-style residence (9 rooms; 3 baths; tile roof, gas furnace, steel sash, oak plank floors, ornamental iron, colored tile bathrooms).
Owner—Harold L. Stillwell, San Mateo
Architect—C. H. Treichel, 696 Cleveland Ave., Oakland.
Low Bidder—A. E. Orton, 625 Lowell St., Palo Alto.

Contract Awarded.
RESIDENCE Cont. Price, $5984
SAN JOSE, Santa Clara Co., Cal. Calaveras Avenue.
One-story six-room frame and stucco residence (oak floors, two baths, tile roof) gas-fired hot air heating system to be let under separate contract.
Owner—Mr. Dodson.
Architect—Wm. E. Higgins, 19 North Second St., San Jose.
Contractor — C. F. Keesling, 798 Coe Ave., San Jose.
Complete bids published Aug. 27.

Contract Awarded
ALTERATIONS Cost, $2200
BERKELEY, Alameda Co., Calif. 1721 Hopkins Street.
Alterations and additions to frame residence.
Owner—Frank C. Gregory, 1721 Hopkins St., Berkeley.
Architect—Gwynne Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Sub-Bids Wanted
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Berkeley Highland Terrace.
One-story frame and rustic residence (five rooms).
Owner—Not Given.
Architect—Not Given.
Contractor—F. W. Confer, 976 Keeler Ave., Berkeley.
Sub-bids are being taken on painting, plumbing, electrical work and hardwood floors. 1

Carpentry Contract Awarded.
RESIDENCE Cost, $7000
FORTUNA, Humboldt Co., Cal.
One-story and basement redwood residence (6 rooms, 2 baths) redwood shake roof, redwood siding, tiled baths, hardwood floors, etc.; English type.
Owner—Paul G. Jasper, Main Street, Fortuna.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Carpentry—Sam Lee, 11th St., Fortuna
Owner is taking sub-bids on all other portions of the work.

To Ask Bids Within One Week.
RESIDENCE Cost, $4000
SAN MATEO PARK, San Mateo Co., Cal. Dorchester Road.
Alterations to frame and stucco residence, including plumbing, electrical, tile, plastering, painting, etc.
Owner — Rolland E. Watt, 414 Dorchester Road, San Mateo.
Architect — G. M. Grimes and Albert R. Williams, 251 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. NW Cayuga and Santa Inez.
One-story and basement frame and stucco residence.
Owner—Walter Thall, 19 Landers St., San Francisco.
Architect—Not Given.
Contractor—Boyd C. Lindsay, 193 Oxford St., San Francisco.

Lumber Contract Awarded
ALTERATIONS Cost, $2200
BERKELEY, Alameda Co., Calif. 1721 Hopkins Street.
Alterations and additions to frame residence (frame and redwood siding)
Owner—Frank C. Gregory, 1721 Hopkins St., Berkeley.
Architect—Gwynne Officer, 2328 Warring St., Berkeley.
Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland.
Lumber—Bay City Lumber Co., 48th Ave. and E 12th St., Oakland.

Plans Being Completed
ALTERATIONS Cost, $6000
SAN FRANCISCO. 2755 Vallejo St.
Alterations to frame flats (remodel interior and exterior).
Owner—Withheld.
Architect—Fred. Reimers, 233 Post St., San Francisco.
Bids will be asked in one week.

Heating Contract Awarded
RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Cal. The Uplands.
Two-story and basement frame and stucco residence (10 rooms and 6 baths) tile roof, hardwood floors, colored tile baths, etc., reinforced concrete bridge over creek in connection with residence, 45 ft. long.
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 869 Pine St., San Francisco and Premises.
Heating and Sheet Metal — Standard Heating & Sheet Metal Works, 834 Irving St., San Francisco.
As previously reported, mill work awarded to Pacific Mfg. Co., Monadnock Bldg., San Francisco; terra cotta pipe, etc., to Gladding, McBean and Co., 22nd and Market Sts., Oakland; grading & excavation to Ariss Knapp, 961 41st St., Oakland.

August 24, 1934

Contract Awarded
ALTERATIONS Cost, $1500
BURLINGAME, San Mateo Co., Calif. 1210 Burlingame Avenue.
Alterations to residence.
Owner—Dr. A. L. Offield, 1214 Burlingame Ave., Burlingame.
Architect—Not Given.
Contractor—Thos. M. Gesso,, 1201 Vancouver, Burlingame. 14

Contract Awarded
RESIDENCES Cont. Price, $4,015
OAKLAND, Alameda Co., Cal. Merriewod Tract.
Two 3-room frame residences.
Owner — Syndicate Merriewood Co., Broadway Bldg., Oakland.
Architect—Frederick H. Reimers, 233 Post St., San Francisco.
Contractor—Geo. Windsor, 928 Kingston, Piedmont.
Complete bids published August 23.

Bids Opened.
RESIDENCE Cost, $7000
SAN JOSE, Santa Clara Co., Cal. Calaveras Avenue.
One-story six-room frame and stucco residence (oak floors, two baths, tile roof) gas-fired hot air heating system to be let under separate contract.
Owner—Mr. Dodson.
Architect—Wm. E. Higgins, 19 North Second St., San Jose.
Low Bidder—C. F. Keesling, 798 Coe Ave., San Jose.
Complete bids follow:
C. F. Keesling, San Jose.....$5984
J. C. Monk, Los Gatos..... 5997
J. E. Perkins, San Jose..... 6100
M. W. Reese, San Jose..... 6239
M. J. Nielsen, San Jose..... 6333
Wm. Swartz, San Jose..... 6498
Megna & Newell, San Jose..... 6880
W. M. Caldwell, San Jose..... 6960
Conaract will be awarded to low bidder shortly.

PREPARING PLANS
EL MONTE AND VAN NUYS, Los Ageles Co., Cal.—Architect Joseph Weston, 701 Cogswell Road, El Monte, is preparing working drawings for 100

dwellings to be erected north of El Monte and 40 dwellings to be erected near Van Nuys, the two groups to comprise the government's subsistence homestead projects approved by the Department of Interior last Spring. Plans will be completed in about three weeks, after which bids will probably be called by the department in Washington. The dwellings will be wood frame structures, containing four, five and six rooms. And will have siding exteriors and wood shingle roofs. Each home site will also be improved with a garage, chicken house, fencing, water lines, and oranmental and protective plantings. Preliminary work of preparing the sites is now under way. Ross H. Gast is California director of the subsistence homestead division.

Plans Being Revised.
RESIDENCE Cost, $10,000
SACRAMENTO COUNTY, Cal. Near City Limits.
Two-story frame ranch house (Monterey Type).
Owner—Withheld.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Bids will be asked within ten days.

Planned
PARSONAGE Cost, $——
WILLOWS, Glenn Co., Calif.
Construct new parsonage.
Owner—Willows Methodist Church Rev. Earl R. Brewster, pastor), Willows.
Architect—Not Given.
A committee composed of the following will discuss plans for financing the building: Walter Page, D. P. Free-Birch, R. R. Scammon, Mrs. A. D. man, A. J. Throckmorton, Mrs. J. E. Pieper and Mrs. T. G. Ajax.

15— SCHOOLS

TO ASK BIDS
COMPTON, Los Angeles Co., Cal.—Board of Public Building Reconstruction will probably call for bids next week for a new administration and auditorium building to be erected on the Compton Junior College site for the Compton Union High School District. It will be a two-story structure, 190x225 feet in area, with a stage 40x95 ft.; reinforced concrete construction, structural steel, tile and composition roofing, waste moulds, fluted pilasters, steel sash, steam heating system, frame and plaster arcades, cement walks, etc. Cost is estimated at $300,000 to $350,000. John C. Austin and Frederic M. Ashley, 608 Chamber of Commerce Bldg., Los Angeles, architects.

Sub-Contracts Awarded
SCHOOL Cost, $——
FRESNO COUNTY, Calif.
Construct brick and frame classroom.
Owner—Teague Elementary School District, Fresno County.
Architect—W. D. Coates, 626 Rowell Bldg., Fresno.
Contractor—LaForti & Heffner, 252 N. Broadway, Fresno.
Mill Work—Hollenbeck - Bush Planing Mill, P. O. Box, 605, Fresno.
Reinforcing Steel—Kyle & Co., 346 G St., Fresno.
Painting—J. E. Harrison, 1485 College Ave., Fresno.
Plastering—G. W. Purcell, 238 Abby St., Fresno.
Lumber—Maisler Bros., 2244 Railroad, Fresno.
Brick Work—Fred. F. Smith, Rt. 3, Box 16, Fresno.

Plans Awaiting Approval.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (five classrooms and recreation room).
Owner—Portola Grammar School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Plans have been sent to the PWA office for approval, and bids will be asked shortly.

Bids Wanted—To Close Sept. 11, 8 P. M.
SCHOOL Cost, $39,000
FRUITVALE, Kern Co., Cal.
One-story reinforced concrete school building (4 classrooms) concrete filler walls, composition roof, maple floors, low pressure steam heat.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.
Plans and specifications may be obtained at the office of the architect upon deposit of $10.

Sub-Contracts Awarded.
AUTO SHOP Cont. Price, $8568
SALINAS, Monterey Co., Cal. High School Site.
One-story wood frame auto shop bldg. (steel columns and trusses, composition roof; 60x80 feet).
Owner — Salinas Union High School District.
Architect—Chas. E. Butner, 51 Maple Salinas.
Contractor—Sam Trondhjem, 45 Geil St., Salinas.
Heating & Plumbing—Phillips Heating Co., Salinas.
Electric—Evans Electric Co., Salinas.
Mill Work—Salinas Planing Mill, Salinas.
Structural Steel—Engfer Iron Works, San Jose.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Roofing—Central Supply Co., Salinas.
Sheet Metal—Phillips Plumbing Co., Salinas.
Painting—C. A. Smith, Salinas.
Glass and Glazing—Fuller & Co., 301 Mission St., San Francisco.
Lumber—Sterling Lumber Co., Salinas.
Hardware — Salinas Hardware Co., Salinas.
Steel Sash—Bates Carpenter Co., 604 Mission St., San Francisco.
Overhead Doors—Bates Carpenter Co. 604 Mission St., San Francisco.

BIDS WANTED
PASADENA, Cal.—Until Sept. 11, 11 A. M., bids will be received by the Pasadena board of education for repairing, strengthening and rehabilitating the Lincoln elementary school at the northwest corner of Peoria St. and Lincoln Ave., Pasadena. Plans prepared by Architects Frederick Kennedy, Jr., 1041 E. Green St., Pasadena. Work consists of removing a portion of exterior walls and replacing with gunite, roof repairs, plastering, electric wiring, plumbing, etc. Cost $60,000.

LOW BIDDER
PASADENA, Cal.—Atlas Const. Co., 39 Congress St., Pasadena, submitted low bid to Los Angeles board of education at $40,000, for reconstruction, rehabilitation and strengthening of the shop, home economics and cafeteria buildings on the Thomas A. Edison junior high school site, located on Hooper Ave. bet. 64th and 67th Sts.
Following sub-contracts submitted with low bidder's bid: Emsco Concrete Cutting Corp., concrete cutting, $3984; J. Hokom Co., plumbing, $956; Atlas Painting Co., painting, $962; Gates & Huntley, gunite, $10,950 and plastering at $1250; Emil Brown, sheet metal, $187; Modern Iron Works, structural and miscellaneous steel, $5086; Golden State Electric Co., electric wiring, $740; Metropolitan Roof Co., roofing, $555. A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., architects, and Murray Eric, 811 W. 7th St., engineer. Cost, $47,062.

LOW BIDDER
LONG BEACH, Los Angeles Co., Cal.—Andy Sordal, 722 Magnolia Ave., Long Beach, submitted low bid to Long Beach Board of Education at $167,822, for reconstructing and rehabilitation of the administration building at the Woodrow Wilson High School site, corner of Tenth St. and Ximeno Ave. W. Horace Austin, 532 Chestnut Ave., Long Beach, Architect. The structure is a two and part three-story building containing offices, classrooms and cafeteria.

BIDS WANTED
LOS ANGELES, Cal.—Until Sept. 13 11:30 A. M., bids will be received by the Los Angeles board of education at 1425 S. San Pedro St., for reconstruction, rehabilitation and strengthening of main building at Center Avenue school, on Walnut Ave. bet. Center Ave. and Sycamore St., near Inglewood. Plans prepared by Structural Engineer Laurance J. Waller, 257 S. Berendo St., and the architectural division of the board; A. S. Nibecker, Jr., architect. Cost, $65,683.

Bids Wanted—To Close Sept. 6, 8 P.M.
SCHOOL Cost, $8000
BAKERSFIELD, Marin Co., Calif.
Construct new school building.
Owner—Union Avenue School District.
Architect—Edw. J. Symmes, 215 Haberfelde Bldg., Bakersfield.
Plans and specifications may be obtained from the architect upon deposit of $10.00.

Bonds Voted—Plans Being Completed
AUDITORIUM Cost, $24,700
LE GRAND, Merced Co., Cal.
One-story frame and stucco combination gymnasium and auditorium, (144x88 feet) to contain banquet room, stage, dressing rooms, etc.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bonds in the amount of $17,500 were voted August 21 and 7200 granted by the PWA. Bids will be asked shortly.

BOND ELECTION
HEALDSBURG, Sonoma Co., Cal.—Healdsburg Grammar School District will hold an election September 25, at which time bonds in the amount of $64,000 will ge voted to finance construction of a frame and stucco grammar school in Healdsburg. John I. Easterly, 302 Grant St., Healdsburg, architect. Previous bond issue on August 2 was defeated.

Bonds Voted
SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Calif.
One- and two-story wing addition to high school, reinf. concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St Healdsburg.
Bonds in the amount of $60,000 were voted on August 21. The vote was 770 in favor to 264 against. Plans are being prepared and bids will probably be asked about October 1.

BIDS OPENED
BURLINGAME, San Mateo Co., Cal.—Bay Pest Control Co., 261 B Street, San Mateo, at $469, submitted low bid to the Burlingame Grammar School District for termite proofing the Roosevelt grammar school in Burlingame. Only other bid was submitted by the

Roberts Co., Burlingame, at $471.00. Bids held under advisement.

Contract Awarded
SCHOOL Cost, $9997
DUNNIGAN, Yolo Co., Calif.
One-story wood frame grammar school
Owner—Dunnigan School District.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—Roth Bros., Woodland.

ENGINEER APPOINTED
SAN FRANCISCO—Abbott A. Hanks Inc., 624 Sacramento St., has been appointed engineer to test materials for the re-construction of Lowell High School, located on Hayes and Ashbury Streets. H. L. Petersen, 731 Treat Ave., is the general contractor, and L. H. Nishkian, 525 Market St., is the structural engineer.

BIDS WANTED
SANTA ANA, Orange Co., Cal.—Until Sept. 11, 2 P. M., bids will be received by Board of Public Building Reconstruction at Santa Ana for rebuilding and repairing the Spurgeon school in Santa Ana for the Santa Ana board of education. Separate bids will be taken as follows: (1) general work (2) plumbing and heating; (3) electrical work. Plans and specifications may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. Estimated cost of the work is $55,000. Frederick H. Eley, 109 Orange Ave., Santa Ana, architect.

To Ask Bids Shortly
SCHOOL Cost, $150,000
COALINGA, Fresno Co., Calif.
Construction of senior high school and swimming pool.
Owner—Coalinga Union High School District.
Architect—W. D. Coates, Rowell Bldg. Fresno.
PWA has approved plans and authorized the board to advertise for bids. A federal grant of $43,500 was approved.

Bids Opened
ADDITION Cost, $——
LINDA, Yuba Co., Calif.
Two-room addition, frame and stucco composition shingle roof; oil-fired circulating heaters.
Owner—Linda School District.
Architect—Chester Cole, 4418 Second St., Chico.
Low Bidder—W. R. Burroughs, 911 5th St., Marysville, $4,877.
Only other bid was submitted by C. A. Otto, Marysville, at $4,925. Bids held under advisement.

CONTRACT AWARDED
PASADENA, Cal.—Wm. C. Crowell, 495 S. Broadway, Pasadena, awarded contract by Pasadena Board of education, at $86,364, for the construction of a new reinforced concrete school building at the Cleveland elementary school site. Robt. H. Ainsworth, Central Bldg., Pasadena, architect. The structure will contain seven classrooms, kindergarten department, offices and toilets. Will have composition roofing, concrete corridors, maple floor, steam heating, tile toilet floors, etc.

Planned
SCHOOL IMPROVE. Cost, $18,504
SANTA CRUZ, Santa Cruz Co., Calif.
Construction of two additional rooms at Live Oak School and general improvements.
Owner—Live Oak School Dist., Santa Cruz.
Architect—Not Given.
The State Board of Equalization has granted permision to Live Oak School District to spend $18,504 for school improvements in the Live Oak School District.

CONTRACT AWARDED
SANTA YNEZ VALLEY, Santa Barbara Co., Cal.—C. V. Nielsen, P. O. Box 53, Solvang, has started work on the shop unit of the new high school plant to be erected in the Santa Ynez valley, Santa Barbara County, for the Santa Ynez Valley Union High School District. H. C. Skytt, Solvang, has the contract for the sewerage system, and Harvey Stonebarger & Son are drilling a well on the site. SERA labor is being used to wreck the old school bldg., a portion of the materials from which will be used in the new plant. E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, architect.

BIDS WANTED
LYNWOOD, Los Angeles Co., Cal.—Until Sept. 17, 7:30 P. M., bids will be received by Board of Public Building Reconstruction, Lynwood, for reconstructing, rehabilitating and strengthening the George Washington and Woodrow Wilson schools in Lynwood for the Lynwood Elementary School District. Plans and specifications will be available next week at 311 California State Bldg., Los Angeles, upon deposit of $25. Separate bids will be taken as follows: George Washington School: (1) general work; (2) electrical work. Woodrow Wilson School: (1) general work; (2) plumbing and heating; (3) electrical work. Marsh, Smith & Powell, Architects' Bldg., Los Angeles, are the architects.

TO ASK BIDS
LONG BEACH, Calif.—Long Beach board of education instructed Walter Barber, secretary of the board, to advertise for bids for strengthening and rehabilitating the Administration Bldg. on Locust Ave. Earl R. Bobbe, 315 Heartwell Bldg., Long Beach, architect. Work will consist of new reinforced concrete walls, gunite work, replacing the partitions on the first and second floors, tile work in the toilets, marble work, ventilating system, acoustical treatment, etc. Cost, $40,000.

Bids Rejected
SCHOOL Cost, $——
JACKSON, Amador Co., Calif.
One-room addition to Jackson Union High School building.
Owner — Jackson Union High School District.
Architect—P. L. Dragon and C. R. Schmidts, 3016 Telegraph Avenue, Berkeley.
Following bids were received and rejected. Project postponed until next year:
Ed. Elider, Sutter Creek.....$1,643
J. C. Meyer, Stockton..... 2,185

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co., Calif.—Robert E. Millsap, 803 Pacific National Bldg., Los Angeles, awarded contract by Beverly Hills board of education at approximately $37,500, for construction of a kindergarten building at the Horace Mann school site in Beverly Hills. Edward C. and Ellis W. Taylor, architects and engineers, 803 W. Third St., Los Angeles. Will be an L-shaped structure, extreme dimensions 88x109 feet, containing three classrooms, kindergarten work room, teachers' room, kitchen and toilets; reinforced concrete construction, stucco exterior cast stone trim, tile and composition roofing, hardwood floors.

BOND ELECTION PLANNED
PHOENIX, Arizona—Phoenix School District will hold an election soon for the purpose of voting on a bond issue to secure a loan of $27,700 recently approved by the Public Works Administration. Proceeds will be used to finance the construction of a new auditorium and two classrooms to be added to the Madison School in Phoenix.

CONTRACT AWARDED
LA CANADA, Los Angeles Co., Cal.—Stanton-Reed Co., 816 W. Fifth St., Los Angeles, awarded contract at $30,354 for reconstruction strengthening and rehabilitation of the La Canada School for the La Canada School District. Construction will probably be started within two to three weeks. Work will consist principally of steel framing and guniting, A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Los Angeles, architects.

BIDS WANTED
LONG BEACH, Los Angeles Co., Cal.—Until September 7, 4 P. M., bids will be received by the Long Beach Board of Education for repairing, strengthening and rehabilitating the administration building located at 715 Locust Ave., Long Beach. Plans were prepared by Architect Earl R. Bobbe, 315 Heartwell Bldg., Long Beach. Work will consist of new reinforced concrete walls, gunite work, replacing partitions, tile toilet floors, marble work, ventilating system, electric wiring, plumbing, acoustical treatment, etc. Plans will be available to contractors at the office of the business manager at the Corner of Chestnut Ave. and 25th St., Long Beach. Cost, $40,000.

TO ASK BIDS
LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has instructed Walter Barber, Secretary of the Board, to advertise for bids for the construction of the new David Starr Jordan High School. Martin C. Parker, 1071 E. Broadway, Long Beach, Architect. Group will consist of five buildings: Science, study hall and library, classrooms, administration and shop buildings. Frame and stucco construction, tile and composition roofing, reinforced concrete corridors. Cost, $199,000.

TO ASK BIDS
SANTA ANA, Orange Co., Calif.—Board of Public Building Reconstruction will probably call for bids next week for rebuilding and repairing the Spurgeon school in Santa Ana for the Santa Ana board of education. Cost, $55,000. Frederick H. Eley, 109 Orange Ave., Santa Ana, architect.

Bids Opened
SCHOOL Cost, $4600
SAN FRANCISCO. Seventh Avenue near Irving Street.
Electrical work on Laguna Honda School.
Owner—City and County of San Francisco.
Architect—C. H. Sawyer, City Architect.
Low Bidder—Alta Electric & Mechanical Co., 467 O'Farrell St.
Complete bids follow:

Alta Elec. & Mech. Co.	$4,715
C. C. McLean	4,732
Tattenham Electric Co.	4,741
Scott - Buttner Co.	4,764
Dowd - Seid Electric Co.	4,776
Strom & Smith	4,786
Enterprise Electric Co.	4,832
McCabe Electric Co.	4,851
Chas. Langlais	4,934
Nicklassen Electric Const. Co.	5,206

The bids of B. J. Doherty, Ed. J. Lynch Electric Co. and H. S. Tittle were irregular and not read.
Bids held under advisement.

Bids Opened
SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Calif. Le-Roy and Buena Vista Avenues.
Rehabilitation of south wing of Hillside School.
Owner—Berkeley School District.

Structuarl Engineer—Thos. F. Chace, Claus Spreckels Bldg., San Francisco.
Complete bids follow:

*J. E. Branagh, 116 Monticello, Oakland	$ 4.933
H. J. Christenson, 393 40th St., Oakland	7,863
Mark Bristol, Oakland	8,207
L. C. Dunn, San Francisco	8,424
E. T. Leiter & Son, Oakland	8,487
John J. Moore, Oakland	8,943
Kelly & Tulloch, Oakland	11,888
Frank G. Appelbe, Berkeley	12,345

Bids held under advisement.
*Believe error in bid.

Bids Wanted—To Close Sept. 26, 2:30 P. M.
SCHOOL Cost, $760,000
SAN FRANCISCO.—Thirtieth to 32nd Avenues and Geary to Balboa Sts. (George Washington High School)
Three-story reinforced concrete academic unit (architectural tile in inserts on exterior, stone main entrance with metal canopy, interior to be treated throughout with acoustical material on the ceilings, terra cotta wall units as wainscoting; linoleum coverings in halls; natural slate blackboards; passenger elevator; electric dumbwaiter; California marble interior in lavatories and shower rooms; composition tile floor in cafeteria; tile and terrazzo in lavatories and utilities rooms; wood and metal sash; burglar-proof windows and tool-proof steel doors for armory; 2000 metal lockers; fencing; metal and bronze entrance doors; completely equipped kitchen.
Owner—City of San Francisco (School Department).
Architect—Miller & Pflueger, 580 Market Street.
Structural Engineer—W. L. Huber, 1 Montgomery Street.
Bids are being received for a general contract, estimated to cost $600,000; electrical work, estimated to cost 052,000, and mechanical equipment, including plumbing and gas fittings, estimated to cost $95,000.
Plans and specifications may be obtained from Chas. H. Sawyer, City Architect, City Hall, upon deposit of $50.00 for general plans; $25.00 each for electrical and mechanical plans.
A penalty of $100.00 per day for each day work is not completed after specified time.

Bids Opened
SCHOOL Cost, $38,000
SAN FRANCISCO. Golden Gate Ave. between Pierce and Scott Streets (Golden Gate School).
Structural alterations and repairs to comply with the state earthquake safety act.
Owner—City and County of San Francisco.
Structural Engineer—Alfred P. Fisher, 111 Sutter Street.
Work includes removal of roofing, flashing and sheathing, remove all cabinets, millwork, blackboards, brick walls and flue around the entire building down to the window heads of the second story; remove galvanized iron work on exterior; remove wood parapet walls, steel lintels, construct brick and tile, concrete, structural steel, plastering, painting, roofing and electrical.
Low Bidder—MacDonald & Kahn, Financial Center Bldg.
Complete bids follow:

MacDonald & Kahn	$57,675
Anderson & Ringrose	60,578
O. Monson	60,728
Young & Horstmeyer	61,900
J. Harold Johnson	61,987
William Spivock	62,218
San Francisco Const. Co.	64,300
H. L. Petersen	66,280

Bids held under advisement.

Bids Wanted—To Close Sept. 12, 2 P. M.
SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal. Allston Way and Eighth St. (Columbia School).
Alterations to comply with State earthquake safety act.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace Claus Spreckels Bldg., San Francisco.
Plans and specifications may be obtained from Secretary of the Board upon deposit of $5.

BIDS OPENED
ALAMEDA, Cal.—James Graham Manufacturing Co., 695 Bryant St., San Francisco, at $538.48 with an alternate bid of $602.98 submitted low bid to Alameda Board of Education for furnishing and installing console gas heating system for the Versailles School, a nine-bungalow classroom school located on Versailles and Lincoln Avenues., Alameda. Complete bids follow. (1) heater to be 60,000 BTU:

James Graham Mfg. Co., San Francisco	$ 538.48
(1)	602.98
Ruud Heater Co., S. F.	568.32
(1)	656.15
Chas. Smith, Alameda	615.00
(1)	645.00
Forster Mfg. Co., Oakland	1352.69
(1)	1555.50

Bids held under advisement until September 4.

16—BANKS, STORES AND OFFICES

Contract Awarded
ALTERATIONS Cost, $2000
SAN FRANCISCO. 74 New Montgomery Street.
Alterations to offices and stores.
Owner—John G. Newlands, Call Bldg.
Architect—Not Given.
Contractor — Taylor and Goericke, 55 New Montgomery Street.

Contract Awarded
STORE Cost, $3500
SAN FRANCISCO. W. Mission St. 80 N. 20th St.
One-story frame and stucco store.
Owner—Dr. R. A. Gamble, % contractor.
Architect—Not Given.
Contractor—Antone Petersen, 2758 San Bruno Avenue.

Contract Awarded.
REMODEL STORE Cost, $3000
SAN FRANCISCO. No. 710 Market Street.
Remodel interior of drug store.
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Sub-contracts will be awarded within a few days.

Plans Being Completed
OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Westerly side El Camino Real at Stanford Avenue.
One - story reinforced concrete office building (45x75 ft.) to contain 13 offices and clinic treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—H. C. Collins, Decker Oak Bldg., Palo Alto.
Bids will be asked in about 3 weeks.

Contract Awarded
ALTER STORE Cost, $2000
SAN FRANCISCO. 3 Market Street.
Alterations to store building.
Owner—M. Stern, 3 Market Street.
Architect—Not Given.
Contractor—Unit Bilt Fixture Co., 963 Harrison Street.

FIRE LOSS
QUINCY, Plumas Co., Cal.—The business district of Quincy was partially destroyed by fire August 28. Fifteen buildings were destroyed and damage is estimated at $250,000. The following buildings were destroyed: Central Hotel, Ayoob Department Store, Grand Central Bar and Restaurant, Smith Coffee Shop, Quincy Drug Store, Quincy Theatre, P. G. & E. office, etc.

To Be Done By Day's Work.
ALTERATIONS Cost, $3,000
SAN FRANCISCO. 220 Montgomery.
Alterations to offices.
Owner—Mills Estate, Inc., 1088 Mills Building.
Architect—Not Given.

Contract Awarded
OFFICE BLDG. Cont. Price, $17,600
SACRAMENTO, Sacramento Co., Cal. Front and M Streets.
Office quarters for The River Lines Co. (to replace offices which will be demolished on right-of-way of new M street bridge) wood frame building, 2-story (25x57 feet) galv. iron siding, insulated with fibre board, composition roof, indirect lighting, plumbing and hot water heating system.
Owner—City of Sacramento.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—H. C. Martin, 1417 19th St., Sacramento.
Complete bids published Aug. 20.

Contract Awarded
ALTERATIONS Cost, $3500
VALLEJO, Solano Co., Cal. 310 Georgia Street.
Alterations to drug store (new front, first and second floor, plastering, new roof, new fixtures, etc.)
Owner—Economy Drug Store, 310 Georgia St., Vallejo.
Architect—Not Given.
Contractor—C. W. Thompson, Box 351, Santa Cruz.

Phone TRinity 0241 for —Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
656 S. Los Angeles St. Los Angeles, Calif.

To Be Done By Day's Work.
REMODEL STORE Cost, $4000
SACRAMENTO, Sacramento Co., Cal. 702 K Street.
Remodel store building.
Owner—Fashion Bootery, 702 K St., Sacramento.
Architect—Not Given.

PLANS BEING FIGURED
LOS ANGELES, Cal.—Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., have completed plans for a six-story Class A reinforced concrete office building(85x165 ft.) to be erected on the northwest corner of Sixth and Hope Sts. for the California Fruit Growers Exchange. Plans are being figured by a selected list of contractors.

Sub-Contracts Awarded.
STORE Cost, $7500
SAN FRANCISCO, Bush St. between Mason and Taylor Sts.
One-story Class C concrete store bldg. (75x80 ft.) wood floor joists, wood roof, etc.
Owner—Mr. Rice.
Architect—Martin Sheldon, Monadnock Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Plumbing—Frank Davison, 65 Chesley St., San Francisco.
Electric—Atlas Electric Co., 343 4th St., San Francisco.
As previously reported, excavation and concrete awarded to Louis Sartorio, 666 Mission St.

Contract Awarded.
REMODEL BLDG. Cost, $5000
OAKLAND, Alameda Co., Cal. 14th St., bet. Franklin & Webster Sts.
Remodel one-story bank building for three stores.
Owner—The Central Bank.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Contractor—C. H. Thrams, 28 Home Place, Oakland.

CONTRACT AWARDED
SAN FRANCISCO.—Raphael Co., 270 Tehama St., at $2,420 awarded contract by University of California for painting University of California Extension Building, located at 540 Powell St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $3000
SAN FRANCISCO, 824 Market St.
Alterations to store building.
Owner—Nunn Bush Shoe Co., 111 New Montgomery Street.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.

Contract Awarded
ALTERATIONS Cost, $2000
PALO ALTO, Santa Clara Co., Calif. 263 University Avenue.
Alterations and additions to store bldg.
Owner—L. Bloom Sons Co. Inc., Premises.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Contract Awarded.
PAINTING Cost, $1540
SAN FRANCISCO. No. 140 New Montgomery Street.
Painting ceilings and walls in Rooms 706, 929A and 929B at 140 New Montgomery Street.
Owner — Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor—M. L. Cramer, 1325 Clement St., San Francisco.

Sub-Contracts Awarded
ALTER STORE Cost, $11,000
FRESNO, Fresno Co., Cal. Fulton and Tulare Streets.
Remodel store and office bldg. (general alterations, etc.)
Owner—Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis Dunn, 424 Monadnock Bldg., San Francisco.
Tile Work—Fresno Marble & Tile Co., 1511 I St., Fresno.
Ventilating—Patton Sheet Metal Co., 312 North H St., Fresno.
Mill Work—Blackstone Planing Mill, 1570 Blackstone Ave., Fresno.
Marble—Eisele & Dondero, 2895 Third St., San Francisco.
As previously reported, painting awarded to Allied Painting Co., 150 South Park, San Francisco; electrical to Fresno Electric Co., 2320 Tulare St., Fresno; plumbing to Fred W. High, 224 Belmont Ave., Fresno.

17— THEATRES

Construction To Start Shortly
THEATRE Cost, $50,000
REDDING, Shasta Co., Calif. Market St. between Placer and Sacramento Streets.
Reinforced concrete theatre, store and office building (to seat 1300) heating and cooling systems, automatic water coolers, electric sound equipment, etc.
Owner—T. & D. Jr. Enterprises, Inc., 25 Taylor St., San Francisco.
Structural Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—Salih Bros., 25 Taylor St., San Francisco.
Construction will be started about Sept. 1st.

18— WHARVES & DOCKS

Bids Wanted—To Close Sept. 4, 4 P.M.
WHARF Cost, $4500
STOCKTON, San Joaquin Co., Calif. Port of Stockton.
Temporary wharf and shed to be used during construction of permanent facilities.
Owner—City of Stockton, Port Commission, City Hall.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director.)
Plans and specifications may be obtained from B. C. Allin, Secretary, City Hall, Stockton. Certified check for 10% of amount bid required.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN MATEO, San Mateo Co., Cal.—W. F. Kiky, 124 University Ave., Palo Alto, at approximately $2,000 awarded contract by B. G. Wells, 228 Third Ave., San Mateo, for grading driveway and constructing brick terrace at 228 Third Ave., San Mateo.

BIDS WANTED
SAN DIEGO, Cal.—Until Sept. 6, 11 A. M., bids will be received by Public Works Officer, Headquarters, Eleventh Naval District, foot of Broadway, San Diego, under Spec. No. 7738, for the removal of the existing deck plates on the cat walks at the tops of the three 600-ft. high radio towers and the provision and installation of new plates and appurtenances to replace the ones removed, at the Naval Operating Base (Chollas Heights Radio Station), San Diego.
Plans and specifications obtainable from the above office upon deposit of $10.00. Lieut.-Comdr. G. D. Wetsel, Assistant Public Works Officer.

CONTRACT AWARDED
SAN FRANCISCO.—Harman Pacific Co., 7 Front Street, at approximately $2,000 awarded contract by the Rio Grande Oil Co., 417 South Hill Street, Los Angeles, for constructing gasoline tank enclosure and slabs at the SW corner of Illinois and 16th Sts., San Francisco.

Plans Being Prepared.
SCALE Cost, $——

Plumbing Contract Awarded
RACE TRACK Cost, $140,000
SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Architect—Maury I. Diggs, 364 14th St. Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Plumbing—James H. Pinkerton, 927 Howard St., San Francisco.
As previously reported, reinforcing steel awarded to Soule Steel Co., 1750 Army St., San Francisco; concrete materials to H. E. Casey Co., San Mateo; roofing to Alta Roofing Co., 976 Indiana St. San Francisco; structural steel to McClintic-Marshall Corp., 2050 Bryant St., San Francisco.
Other awards will be made within one week.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
GOVERNMENT ISLAND, Cal.—Pacific Coast Engineering Co., Foot of 14th St., Oakland, at $95 each awarded contract by Frank Haynie, Supply Officer, Government Island, under Bid 1143, for furnishing 3 Vortex tube semi-steel castings.

CONTRACT TO BE AWARDED
SACRAMENTO, Cal.—W. P. Fuller & Co., 301 Mission St., San Francisco, will be awarded contract by the State Purchasing Office, Sacramento, for furnishing wax for the year for the State of California. Prices read as follows:

Solid:	1-lb. cans	$.174
	2-lb. cans	.14
	4-lb. cans	.13
	8-lb. cans	.115
Liquid:	½-gallons	$.84
	1-gallon	.74
	5-gallon	.59

CONTRACT AWARDED
SAN FRANCISCO — MacDonald & Harrington, 16 California St., San Francisco, at $4249.16 awarded contract by U. S. Indian Warehouse, 23 Appraisers Bldg., San Francisco, for furnishing 3320 pcs. Redwood lumber for the Pima Indian Agency, Dock, Arizona. Bids were opened August 18. Discount 2% 10 days. Delivery f.o.b. Ukiah or Cloverdale.

CONTRACT AWARDED
SAN FRANCISCO—Following contracts awarded by T. A. Brooks, Purchaser of Supplies, City Hall, under Sale No. 113, for the sale of the following:
Lot 1—M. Levin & Sons, 2233 Third St., San Francisco, at $6,783 per ton for approximately 15 tons of scrap cast iron and at $5.583 per ton for aproximately 8 tons of scrap steel.
Lot 2—Mendelson & Bauer, 21 Morris St., San Francisco, at $5.02 per ton for approximately 1 ton of scrap brass.

CONTRACT AWARDED
FORT PECK, Montana.—Ash Grove Lime & Portland Cement Co., Kansas City, Mo., has been awarded the contract by the U. S. Engineer Office, Kansas City, at $1.1930152 per barrel for 200,000 barrels of Portland cement under Proposal B, Circular No. 138.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Sept. 4, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing creosoted wooden poles as follows:

(1) For pressure creosoted poles, treated full length, 2667 25 ft. lengths; 32 35 ft. length.
(2) For creosoted poles, butt treated, 279 40 ft. lengths; 52 45 ft. lengths 14 50 ft. lengths.

Specifications No. 1491.

LOS ANGELES, Cal.—Until Sept. 6, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, for bare copper cable, bare copper wire, and copper covered steel wire for transmission line and telephone line in connection with the department's Mono Basin tunnel project in Mono County, uder Spec. No. 1492, as follows:

(1) 63,875 lbs. No. 1/0 AWG, 7-strand, medium hard drawn, bare copper cable.
(2) 39,100 lbs. No. 8 AWG solid, hard drawn, bare copper wire.
(3) 80,100 lbs. No. 8 AWG solid, copper-covered steel wire.

Bids will be taken for delivery as follows:

(a) f.o.b. cars bidder's shipping point;
(b) f.o.b. cars or trucks, 410 Ducommun Street.
(c) f. o.b. cars Lone Pine.
(d) f.o.b. cars Laws.

CANAL ZONE

PANAMA CANAL ZONE — Until September 7, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2990, for furnishing miscellaneous supplies, materials and equipment, including:

Key-seating machine; pitometer (or pito-indicator); dynamite; safety fuse blasting caps; electric cable; flexible cord; insulated wire; magnet wire; trolley wire; conduit (steel and wood fiber); ceiling fans; water heaters; safety hand lamps; street light globes; glass shades; stuffing tubes; switches; cartridge fuses; carbon brushes; insulating tape; cotton webbing; cotton tape; bolts; nuts; rivets; lock washer.; pipe fittings; unions; railing fittings; metal valves; cocks; kitchen sinks;; pig iron; white Portland cement copper paint; lacquer; boiler lagging; and index bristol.

Specifications obtainable from the above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL.—Until Sept. 6, bids will be received by A. L. Flint, General Purchasing Officer, the Panama Canal, Washington, D. C., for furnishing lumber under Schedule No. 2983. The date was postponed from August 22.

RECLAMATION SERVICE

BOULDER CITY, Nevada — Until October 10, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 589, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, electric equipment as follows:

(1) 2300-volt switching equipment.
(2) 4 287.5-kilovolt, 3-cycle, oil circuit breakers.
(3) 4 287.5-kilovolt, outdoor-type, lightning arresters.
(4) 12 288.5-kilovolt, 1200-ampere, 3-pole, motor-operated disconnecting switches;
(5) 1 3000-ampere, 23,000-volt, bus structure with current transformers.
(6) 1 2000-ampere, 23,000-volt bus structures with current transformers.
(7) 4 600-ampere, 15,00-volt, oil circuit breakers;
(8) 3 neutral grounding reactors with cubicles.

Above equipment is for installation in the Boulder Power Plant, Boulder Canyon Project. Plans and specifications obtainable from the Bureau of Reclamation, Denver, or Washington, D. C., without charge to prospective bona fide bidders; to others, $3, not returnable.

MERCED COUNTY

PLANADA, Merced Co., Cal.—Until September 8, 10 A. M., bids will be received by the Board of Trustees of the Planada Elementary School Dist. Merced County, for furnishing one 1½ ton truck chassis, 131-in. wheel base or over, dual wheels, and overload springs.

above office. William Houlihan, Clerk

Specifications obtainable from the

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until Sept. 5, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1167, for furnishing:

(1) 200 rooter tooth sockets for various trail builder moldboards;
(2) 200 rooter teeth for inserts on various trail builder moldboards.

Samples may be inspected at Room 200 Administration Bldg., Government Island (see Marsh).

Delivery fob bidder's shipping point and/or fob Government Island.

GOVERNMENT ISLAND, Cal.—Until Sept. 4, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1169, for furnishing 750 barrels (4 sacks to barrel) of Portland cement in paper sacks, 94 lbs. each.

Specifications obtainable from above office.

Delivery fob bidder's shipping point and/or fob McCloud.

GOVERNMENT ISLAND, Cal.—Until Sept. 4, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

Bid No. 1172, 300 5-gallon water bags for shipment to Government Island, and 150 of the same for shipment to Brookhaven, Miss.

Bid No. 1173, 100 dozen fry pans for shipment to Government Island.

Bid No. 1175, 150 dozen 4-quart canteens for shipment to Government Island.

Specifications obtainable from above office.

WAR DEPARTMENT

FORT MASON, Cal.—Until Sept. 4, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-34-49, for the following:

(1) 25 gals. Red Venetian paint, ready mixed.
(2) 200 gals. mixing varnish for aluminum-paint.
(3) 150 MFBM Douglas Fir lumber, selected common, random lengths.

Materials for trans-shipment to the Dept. Quartermaster, Philippine Dept. Manila, P. I.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until Sept. 4, 10 A. M., bids will be received by District Quartermaster, Civilian Conservation Corps, 16th and North B Sts., Sacramento, for furnishing pipe, fittings, valves, fixtures and sheet metal necessary for construction of seven permanent camps located as follows: Mosquito and Snowline, near Placerville; Mooretown and Berry Creek, nr. Oroville; Elk Creek and Fouts Springs near Willows; Houghs Springs, near Williams.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for miscellaneous sup-

FIRE EXTINGUISHERS, carbon-dioxide and carbon tetrachloride; East and West Yards. Sch. 3154; Sept. 4.

ESTER GUM, 60,000 lbs.; Mare Island. Sch. 3126; Sept. 4.

TELEGRAPHS, steering and rudder angle revolution and engine order, oil burner and spares; East and West Yards. Sch. 3185; Sept. 4.

DRILLS, 38 portable electric; Mare Island. Sch. 3160; Sept. 7.

ROPE, 34,200 ft. plow steel wire; Mare Island. Sch. 3164; Sept. 7.

CYLINDERS, gas, 300; Mare Island. Sch. 3161; Sept. 7.

PLUGS, shielded, telephone, 500; Mare Island. Sch. 3200; Sept. 11.

Specifications obtainable from above office.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Until September 4, 4 P. M., bids will be received by the Indian Field Service, Albuquerque Indian Sanatorium, P. O. Box 477, Albuquerque, for furnishing one concrete mixer of 7 cu. ft. capacity, gasoline engine powered, mounted as one unit on a 4-steel wheeled hard rubbed tire steel truck. Delivery fob bidder's shipping point and/or f.o.b. Albuquerque, N. M.

Specifications obtainable from above office. Dr. A. J. Wheeler, Superintendent. W. B. Fry, Purchasing Officer.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until September 12, 8 P. M., bids will be received by the East Bay Municipal Utility Dist., John W. Kimball, Secretary, 512 16th St., Oakland, for furnishing 50 tons of pipe lead in 100 lb. bars, to be delivered to Corporation Yard, Oakland, not later than October 15. Informal Proposal No. 556.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

LOS ANGELES, Cal.—United Concrete Pipe Co., 1347 W. 208th St., Los Angeles, at $29,924 (Proposal 2) awarded contract by the Los Angeles County Board of Supervisors, for the construction of a reinforced concrete conduit on Ballona Creek between La Brea Ave. and Redondo Blvd.

CONTRACT AWARDED.

PACIFIC COUNTY, Wash.—D. Nygren, 309 Lloyd Bldg., Seattle, at $44,-33 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, August 1, for constructing 2 treated pile and timber trestles with concrete decks, one 297 ft. long across Bone River and one 712 ft. long with one 60 ft. steel girder span, across Niawaukum River on State Road No. 12, between South Bend and Pallx River, Unit 2 of F. A. W. Project 7763 in Pacific ounty, Washington. The other bids were:

Gustafson & Olson Constr. Co., Seattle, $45,198.

Cutler Construction Co., Seattle, $45,678.

Grays Harbor Construction Co., Aberdeen, $46,105.

J. S. Reed and Creech Bros. Constr. Co., Aberdeen, $46,221.

John Arrington, Seattle, $50,647.

MacRea Bros., Seattle, $45,844.

CONTRACT AWARDED

WHATCOM COUNTY, Wash. — Everett Bros., Concrete, Wash., at $3,660 awarded contract by the Washington State Highway Directors, Olympia, August 21, for constructing a bank protection along the shore of Nooksack River on about 0.1 mile of State Road No. 1 (Bellingham to Austin Pass branch) Nugent's bridge bank protection, F.P.W. Project 7571, Whatcom County.

The other bids were:

V. Nolte, Bellingham	$4,819
Midral Const. Co., Seattle	4,883
Axel Lind, Bellingham	5,932
Troy-Lich Co., Bellingham	5,929
L. Creelman, Seattle	5,976
P. Dorsey Co., Bellingham	6,351
C. Sisson, Bellingham	8,843

BIDS WANTED

KERN COUNTY, Cal.—Until Sept. 2 P. M., bids will be received by the Department of Public Works, Division of Highways, R. M. Gillis, District Engineer, corner Caruth and Live Avenues, Fresno, for the construction of a timber bridge consisting of three 15-ft. spans in Kern Co. across Whiterock Creek at Monolith.

Plans and specifications obtainable from the above office.

BIDS WANTED

MENDOCINO COUNTY, Cal.—Until September 11, 11 A. M., bids will be received by the Mendocino County Board of Supervisors, County Court House, Ukiah, for the construction of a county highway piled timber bridge over Redwood Valley Creek in Redwood Valley about ¼ mile west of Howland's Store in Mendocino County, Supervisorial District No. 2.

Plans and specifications obtainable from above office. H. M. Burke, County Clerk.

BIDS WANTED

SANTA CLARA CO., Calif. — Until Sept. 10, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, clerk, County Courthouse, San Jose, for the construction of a reinforced concrete culvert on Summerhill Ave. in Supervisor District No. 5.

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.00.

BIDS OPENED

GOVERNMENT ISLAND, Cal. — Hercules Equipment & Rubber Co., 11 Missio. St., San Francisco, at $150 submitted only bid to Frank Haynie, Supply Officer, Government Island, under Bid 1142, for furnishing 10 steel rubber lined orifices.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1152, for furnishing and fabricating all structural steel for a 315-ft. combination continuous and simple beam span.

Bids were taken as follows:
(1) fob bidder's shipping point;
(2) delivery fob Ukiah.

The bids were:

Golden Gate Iron Works, San Francisco, (1) $4000; (2) $4216.

Judson Pacific Co., Oakland, (1) $4,-288; (2) $4524.

Moore Dry Dock Co., Oakland, (1) no bid; (2) $4494.

Schrader Iron Works, San Francisco (1) $4900; (2) no bid.

Dyer Bros. Golden West Iron W'ks, San Francisco, (1) $4420; (2) no bid.

Herrick Iron Works, Oakland, (1) $4340; (2) $4568.

Pacific Coast Steel Co., Alameda, (1) $4117; (2) no bid.

Independent Iron Works, Oakland, (1) $4578; (2) $4791.

All bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal.—E. G. Perham 1128 Stearns Drive, Los Angeles, at $3,770 awarded contract by the Los Angeles County Board of Supervisors August 27, for the construction of a timber and steel bridge on Bouquet Canyon Road over Bouquet Creek. The proposed bridge will consist of one 38-ft. A-frame span with a 24-ft. roadway, using wood piles set in concrete.

The bids were opened August 20.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

CONTRACT AWARDED

SAN DIEGO, Cal.—Parish Bros., 1222 N. Gower St., Hollywood, at $30,953 awarded contract by the State Highway Commission, Sacramento, for the construction of a bridge across Escondido Creek about 12 miles south of Carlsbad, San Diego, consisting of four 45-ft. reinforced concrete slab spans on reinforced concrete piles and abutments with wing walls.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

KING COUNTY, Wash.—Frank and Marko Butorac, 308 4th Ave. S., Seattle, at $7,923 awarded contract by the Washington State Highway Directors, Olympia, August 21, for constructing a bank protection along the shore of the South Fork of the Snoqualmie River on about 0.2 mile of State Road No. 2, Middle Crossing South Fork Snoqualmie River to Camp Eight, F.P.W. Project 8005, King Co.

The other bids were:

C. L. Creelman, Seattle	$ 8,893
Rnaldo Keasal, Tacoma	9,324
Hallstrom & Hallstrom, Seattle	9,971
L. Coluccio & Co., Seattle	10,510
Stillwell Bros., Inc., Seattle	11,588
O. A. Gordon, Seattle	11,858
Goetz & Brannan, Seattle	13,313

PERMIT ASKED

NEWPORT BEACH, Cal.—Application has been made by South Coast Bldg. Co., for War Department permit to construct a series of commercial floats and appurtenances thereto, including an overhead tram, the anchor piles of which are to be located 60 ft. channelward of the U. S. bulkhead line beaween Stations 119 and 120, in the southwesterly part of Newport Bay. Drawings showing the location and plan of the proposed construction may be seen in the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until September 1, 11 A. M., Major H. H. Stickney, Dist. Engineer.

CONTRACT AWARDED

SAN DIEGO, Cal.—M. H. Golden, 404 California Bank Bldg., San Diego, at $22,040 awarded contract by the Navy Department, Washington, D. C., under Spec. No. 7771, for installing dolphins and floats for dredged area for floating dry dock at the Naval Operating Base (Destroyer Base) San Diego.

TO ASK BIDS

NEWPORT BEACH, Cal. — Major H. H. Stickney, U. S. Engineer, 751 S. Figueroa St., Los Angeles, has completed plans for dredging at Newport Bay. The plans have been submitted to the District Engineer's office in San Francisco for approval and it is expected that a call for bids will be issued about Sept. 10.

The proposed work will involve dredging about 8,500,000 cu. yds. of which 6,000,000 yds. will be deposited along a 5-mile stretch of ocean frontage from the west jetty to the Santa Ana River on the north. This beach will be widened to between 200 and 300 fett. About 450,000 yds. will be

deposited along the beach east of the east jetty, and the balance in nine other designated dumping grounds.

TO WITHDRAW BID

LOS ANGELES, Cal.—R. A. Wattson, 1026 McCadden Place, Los Angeles, has requested the Los Angeles County Board of Supervisors to permit him to withdraw his bid for the construction of Unit No. 7, San Gabriel River outlet at Alamitos Bay. Wattson was low bidder at $45,021 (Proposal 1) and $49,424 (Proposal 2). The request has been referred to the county council.

Karl B. Kumpe, Ltd., was second low bidder at $63,860 (Proposal 1) and $59,848 (Proposal 2).

BIDS OPENED

SACRAMENTO, Calif. — Hutchinson Co., 1450 Harrison St., Oakland, at $1.60 per ton, total $25,600, submitted low bid to the U. S. Engineer Office, Sacramento, under Spec. 6588, for furnishing, delivering and placing approximately 16,000 tons of Class A or Class B riprap stone in sizes 20 to 300 lbs. along the banks of the Sacramento River at various points between the mouth of Cache Slough and Collinsville. Weight per cubic foot, 170 lbs.

The other bids were:

Blake Bros., San Francisco, $1.68 per ton; total, $26,880. Weight per cu. ft., 169 lbs.

Daniels Contracting Co., San Francisco, $1.70 per ton; total, $27,200. Weight per cu. ft., 170 lbs.

Basalt Rock Co., Napa, $1.75 per ton; total, $28,000. Weight per cu. ft., 150 pounds.

Engineer's estimate, $1.707 per ton.

All bids held under advisement.

24— STREET LIGHTING SYSTEMS

August 27, 1934

BIDS WANTED

YREKA, Cal.—Until September 6, 7:30 P. M., bids will be received by the Yreka City Council, U. F. Brown, City Clerk, for laying underground street lighting circuit on Miner St. from Main St. to Lane St. in the City of Yreka.

CONTEMPLATED

REDLANDS, Cal.—The City Council has under consideration the installation of a new lighting system in the Redlands business district using Neolite globes and electroliers similar to the sample lights now installed on one block of State Street.

George S. Hinckley, City Engineer.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1141, for furnishing 7 steel gates and appurtenant apparatus

(1) fob bidder's plant;

(2) fob McCloud.

Pacific Coast Engr. Co., (1) $924.00; (2) $966.00.

Paynes Boat Works, (1) $1,368.00.

Golden Gate Iron Works, (1) $1,134.

Bids held under advisement.

BIDS OPENED

EUREKA, Cal. — Ashurst Bros., Hopland, at $2.30 per hour, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Eureka, for the rental of one 950-gallon water sprinkler truck for approximately 250 hours' work. The truck is to be used in hauling water at Beonville.

Complete bids follow:

Ashurst Bros., Hopland	$2.30
Garcia Constr. Co., Irvington	2.35
Wm. Kern, Weott	2.55
Della Rosa Truck Co., Martinez	2.59
Hayward Bldg. Material Co., Hayward	2.65
K. N. Dewar, Eureka	2.74

CONTRACT AWARDED

TOMALES, Cal.—Talmadge "Babe" Wood, 512 5th St., Santa Rosa, at $2,566.25 awarded contract by the Board of Trustees of the Tomales Joint Union High School District, Clarence R. Fitzgerald, Principal, for furnishing one Reo school bus with a maximum capacity of 40 high school students. The other bids were:

T. E. French Co., San Rafael (Dodge) $2241.87.

J. H. Williams, Santa Rosa (Dodge), $2453.94.

Patchetts & Carstensen (body only), $1257.

Gillig Bros., San Francisco, (body only), $1489.

BIDS OPENED

FRESNO, Fresno Co., Cal.—Following bids received by the Fresno City Commission August 23, for furnishing nine truck bodies for use on trucks of waste disposal department:

Car Wood Industries Co., San Francisco, (1) single unit, $392; (2) 9 units, $3528; installed.

National Tank & Mfg. Co., Los Angeles, (1) $266; (2) $2,394; not installed.

Western Pipe & Steel Co., Fresno, (2) $3,041.69; installed.

Wm. Myers, Welding Works, Fresno, (1) $354.70; (2) $3,272.13.

BIDS OPENED

INDIO, Cal.—Identical bids at $1,187 less 2% 30 days, were received by the State Bureau of Purchases, Sacramento, for furnishing a leaning wheel graded fob Indio, under Quo. 6371, Req. 759 from the following:

Smith Booth Usher, Los Angeles.

Austin Western Road Machinery Co. Los Angeles.

J. D. Adams Road Machinery Co., San Francisco.

Freeland Tractor & Equipment Co.

All bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, purchasing agent of the Los Angeles Water and Power Bureau, room 740, 207 S. Broadway, for furnishing oil circuit breakers under Spec. No. 1475. The bids were taken as follows;

Item I for 4 only, 15,000 volt, 3 pole, single throw, frame mounted, outdoor type, oil circuit breakers, including necessary oil, one tank lowering device and spare parts, in accordance with specifications for Item I:

(a) fob cars or trucks, bidder's factory or shipping point;

(b) fob cars or trucks Dept.'s warehouse, 1630 N Main St., Los Angeles

(c) fob cars bidder's factory with full freight allowed to 1630 N. Main St., Los Angeles.

Item II for 4 only, 15,000 volt, 3 pole, single throw, frame mounted, outdoor type, oil circuit breakers, including necessary oil, one tank lowering device and spare parts, in accordance with specifications for Item II:

(a) fob bidder's factory or shipping point;

(b) fob cars or trucks Dept.'s warehouse, 1630 N Main St., Los Angeles

(c) fob cars bidder's factory with full freight allowed to 1630 N. Main St., Los Angeles.

Item III deduct if oil is omitted, per gallon:

(a) fob bidder's shipping point;

(b) fob Los Angeles;

Item IV deduct if factory test is substituted for 'Witness test":

(a) Item I;

(b) Item II.

Item V estimated total weight of all circuit breakers, not including oil:

(a) Item I;

(b) Item II.

The bidders were:

(A) General Electric Company.

(B) Westinghouse Electric & Manufacturing Company.

(C) Conduit Electric & Manufacturing Company.

The bids were:

		(A)	(B)	(C)
I	(a)	$40,290.00	$40,290.00	$40,500.00
	(b)	40,915.00	40,940.00	41,800.00
	(c)	.....	40,940.00	.....
II	(a)	29,810.00	29,810.00	30,900.00
	(b)	30,410.00	30,380.00	32,000.00
	(c)	.....	30,380.00	.....
III	(a)	.17	.17	.198
	(b)	.198	.198	.17
IV	(a)	1,800.00	1,800.00	.....
	(b)	1,800.00	1,800.00	.....
V	(a)	31,800 lb	45,800 lb.	56,700 lb.
	(b)	30,000 lb	26,080 lb.	38,100 lb.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1151, for furnishing one 3½ cu. ft. capacity concrete mixer, tilting drum, heavy duty, trailer type, with not less than 2-hp. gas engine.

Bids were taken as follows:

(1) fob bidder's shipping point;

(2) fob Piedra.

The bids were:

Harron, Rickard & McCone Co., San

LOS ANGELES — TRANSFORMERS -- (CITY)

LOS ANGELES, Cal.—Bids for furnishing transformers under Spec. No. 1481 were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, August 27, as follows

Item I, for 4 only 1067 KVA transformers, 104 volts to 19,920 volts, single phase, oil immersed, self-cooled, step-down, outdoor type, designed to operate on 60 cycles:

(a) fob bidder's shipping point;

(b) fob cars power spur No. 1 A. T. & S. F. Ry., delivery Los Angeles;

(c) fob cars Lone Pine.

Item II, Deduct if transformers are furnished less oil:

(a) fob bidder's shipping point;

(b) fob Lone Pine.

Item III, Deduct if certified factory test is used in lieu of "witness test."

The bidders were:

(A) Molony Electric Co.

(B) Westinghouse Elec. & Mfg. Co.

(C) General Electric Co.

(D) Penn Transformer Co.

(E) Allis-Chalmers Mfg. Co.

(F) Wagner Electric Corp.

The bids were:

	I (a)	I (b)	I (c)	II (a)	II (b)	III
(A)	$39,655.00	$41,365.00	$41,745.00	$.17	$.2094	$340.00
(B)	41,270.00	43,054.00	43,447.00	.17	.2094	340.00
(C)	41,310.00	43,090.00	43,485.00	.17	.2094	340.00
(D)	38,200.00	39,800.00	40,200.00	.17	.409	340.00
(E)	40,650.00	42,408.00	42,795.00	.17	.209	1340.00
(F)	39,658.00	41,366.00	41,745.00	.17	.2094	340.00

All bids net. All bids held under advisement.

Francisco. (1) $261; (2) $272.

Kratz-McClelland, Inc., (1) $210; (2) $252.23.

Brown-Bevis Co., (1) $195; (2) no bid.

Edward R. Bacon Co., (1) $205; (2) $252.60.

Jenison Machinery Co., (1) $273.75; (2) no bid.

A. L. Young Machinery Co., (1) $235 (2) no bid.

Spears-Wells Mchy. Co., (1) $260; (2) no bid.

Lansing Co., Lansing, Michigan, (1) $235; (2) no bid.

All bids held under advisement.

CONTRACT AWARDED

TERRA BELLA, Cal.—T. N. Spear, Porterville, at $3550 submitted only bid and awarded contract by the Board of Trustees of the Terra Bella Union Grammar School Dist., August 27, for furnishing one school bus of 55 to 63 grammar student capacity. W. C. Bradford, Secretary.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

PARKER, Arizona.—Six Companies, Inc., of Delaware, Boulder City, Nev., at $4,239,834, Schedules 1 and 2, were awarded contract by the U. S. Bureau of Reclamation, 608 Grant Bldg., Los Angeles, for the construction of the Parker Dam and appurtenant works, Parker Dam Project, under Spec. No. 574. The work is located near Parker, Ariz., and Earp, Calif.

BIDS REJECTED

UPLAND, Cal.—All bids received by R. G. Manley, City Purchasing Agent, 240 E. Ninth St., Upland, San Bernardino County, August 16, for furnishing all or part of the material for the construction of a 2,500,000-gal. reinforced concrete reservoir, have been rejected, and the materials will be purchased in the open market.

FUNDS ALLOTTED

BONNEVILLE, Ore.—Federal Public Works Administration has allotted $1,200,000 additional to the Bonneville project for enlargement of navigation locks to permit passage of seagoing vessels. Original plans were for construction of barge locks only.

New plans increase length of lock from 360-ft. to 500-ft. and increase depth over sills from 15-ft. to 27-ft. so that the lock may be usable when a 30-ft. channel is provided in Columbia river below the dam.

BIDS WANTED

SAN FRANCISCO.—Until Sept. 11, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, under Spec. W. D. 63, for placing riprap on the Calaveras Dam.

The work involves:

(1) 6,750 c.y. riprap pavement on upstream slope of dam;

(2) 600 c.y. miscellaneous grading.

Plans and specifications obtainable at Room 605, S. F. Water Dept. Bldg., 425 Mason St., upon deposit of $10. N. A. Eckart, engineer. 0

31—PIPE LINES & WELLS

BIDS WANTED

LOS ANGELES, Cal.—Until October 3, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for constructing cut-and-cover conduit, concrete-lined canal, pre-cast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, Stations 675 plus 75 to 7251 plus 90, in accordance with Spec. No. 70. The work, which is located in San Bernardino and Riverside counties, comprises approximately 110.62 miles of aqueduct construction between a point about 6 miles north of the town of Earp, California on the Phoenix branch of the A. T. & S. F. Ry., and a point about 12 miles east of the town of Indio, Calif., on the Southern Pacific. The work has been divided into schedules as follows:

Sched. Grp. No.	Conduit	Canal	Siphons	Total
(1)	3.85	.....	0.32	4.17
(2)	4.66	.....	1.13	5.79
(3)	.....	5.27	2.40	7.67
(4)	.....	9.50	.58	10.08
(5)	.....	9.39	.76	10.15
(6)	.....	.....	2.94	2.94
(7)	2.34	2.90	.....	5.24
(8)	.....	7.88	1.52	9.40
(9)	.63	7.79	.56	8.98
(10)	.....	7.50	.93	8.43
(11)	.60	6.45	1.38	8.43
(12)	6.00	.....	.33	6.33
(13)	.19	5.65	.58	6.42
(14)	5.72	.....	.41	6.13
(15)	6.43	.....	.36	6.79
(16)	3.23	.....	.44	3.67
Total	33.65	62.33	14.64	110.62

Except in certain rock sections where the width is 12 ft., the canal is to have a bottom width of approximately 20 ft. and a depth of water of about 10 ft. The conduit is to be of semi-elliptical section with a height of about 16 ft. Siphons generally are to be of precast concrete pipe or of monolithic (cast in place) construction, alternate bids being called for on these two types. For the Freda and one other siphon (total length approximately 3.3 miles) bids will also be received upon welded steel pipe. Monolithic construction only will be considered for certain short siphons. Certified or cashier's check for 5% must accompany each bid. Plans and specifications may be obtained AFTER FRIDAY, AUGUST 31, at the office of the General Manager and Chief Engineer, F. E. Weymouth, Room 1007, 306 W. Third St., Los Angeles, upon payment of $5, which payment will not be returned. * 31

CONTRACT AWARDED

SAN FRANCISCO. — Bechtel-Kaiser Co., Ltd., 155 Sansome St., awarded contract by the Standard Oil Co. of California, 225 Bush St., San Francisco, for taking up approximately 108 miles of 12-in. steel pipe on the Bakersfield-Richmond pipe line. Work includes uncovering, cutting into 20- or 40-foot lengths, removing protective treatment and hauling to Kettleman Hills reclamation plant.

Pipe will be used in construction of new pipe line from Rio Bravo to Estero in Kern and San Luis Obispo counties. * 1

32— SEWERS & SEWAGE DISPOSAL PLANTS

FUNDS APPROPRIATED

LOS ANGELES, Cal.—The Los Angeles County Board of Supervisors have appropriated $120,000 to the City of Los Angeles for material, labor, engineering services and equipment to construct center walls and top in connection with the Ballona Creek storm drain and for fills and paving of Venice Blvd. from La Brea Ave. to Redondo Blvd.

BIDS WANTED

SHOSHONE, Idaho.—Until Sept. 14, 10 A. M., bids will be received by the Board of Directors of the Big Wood Canal Co., Shoshone, Idaho, for the reconstruction of outlet works and installation of emergency gates and needle valves in the Big Wood Canal Company's Magic Dam located on Big Wood River about 25 miles north of Shoshone.

Plans and specifications obtainable from the above office at a charge of $3.00, not returnable.

Work is financed by a loan from the Public Works Administration.

Award of a contract is subject to the approval of the Federal Emergency Administration of Public Works.

BID OPENING DATE CHANGED

COLTON, San Bernardino Co., Cal. —Until September 11, 7:30 P. M., bids will be received by the Colton City Council for the construction of a sewage treatment plant and appurtenant works under a PWA allotment. The date previously announced as September 17 was changed to the earlier date to speed up the proceedings.

CONTRACT AWARDED

SAN DIEGO, Cal.—E. C. Nickel, 912 Micheltorena St., Los Angeles, at $29,790 awarded contract by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7425, for constructing sewers, water and gas lines, and electrical ducts, cables, and equipment at the Naval Operating Base (Air Station) San Diego.

Complete bids follow:

E. C. Nickel, Los Angeles	$29,790
M. H. Golden, San Diego	30,000
Lohman Bros., Los Angeles	31,500
Scott Co., Inc., S. F.	31,587
Frank Doran, San Diego	31,800
A. O. Reed & Co., San Diego	32,000
Miracle Co., San Diego	32,696
H. O. Bauerle, Culver City	32,964
A. Soda & Sons, Oakland	33,653
Bennett & Taylor, Los Angeles	33,886
J. A. Fazio, Oakland	35,800
S. C. Sachs, Inc., St. Louis	48,390
T. L. Dawson Co., Kansas City	57,500

P. L. Burr, San Francisco, submitted an informal bid.

BIDS WANTED

MILL VALLEY, Marin Co., Calif.—Until Sept. 5, 8 P. M., bids will be received by the Mill Valley Town Council, Mill Valley Town Clerk, for the following improvements:

(1) Construction of a storm-water sewer in Hilarita Ave.;

(2) Construction of storm-water culverts, curbs and gutters at the intersection of Elm and East Blithedale Avenues;

(3) Widening street on east side of East Blithedale Avenue between Buena Vista and Sunnyside Avenues;

(4) Storm-water drain tile for draining the lands west of Miller Avenue between Evergreen Ave. and Reed St.

(5) Resurface the existing pavement at the south end of Miller Ave.

Plans and specifications obtainable from the town clerk upon deposit of $5.00. * 1

BIDS WANTED

HALF MOON BAY, San Mateo Co. Cal.—Until September 7, 8 P. M., bids will be received by the Secretary of the Sanitary Board of the Half Moon Bay Sanitary District for the construction of a sanitary sewer system at Half Moon Bay under the 1911 improvement act. The work involves:

(1) 18,900 lin. ft. 6-in. diameter sanitary sewer;
(2) 6200 lin. ft. 8-in. diameter sanitary sewer;
(3) 2900 lin. ft. 4-in. diameter lateral sewer;
(4) 190 6x4-in. T branches;
(5) 35 8x4-in. T branches;
(6) 88 standard type manholes;
(7) 7 drop type manholes;
(8) 222 lin. ft. of piers and beams;
(9) 510 lin. ft. 6-in.fl diameter outfall pipe;
(10) 1 sewerage treatment plant, complete;
(11) 8950 sq. ft. replacing pavement;
(12) 3100 sq. ft. replacing sidewalk.

Specifications may be obtained from the District Engineer, George A. Kneese, Redwood City, upon payment of $5. 2

PREPARING PLANS

OXNARD, Cal.—City Engineer Earl O. Imus is preparing plans for a new sewage disposal plant, consisting of a primary clarifier, digester, pumping station, trickling filter, secondary filter, sludge pump, drying beds, pumping station screens, etc. Cost is estimated at $72,000, to be financed by a PWA allotment granted recently. The preliminary estimates are:

(1) 1900 cu. yds. excavation;
(2) 886 cu. yds. concrete;
(3) 4300 cu. yds. stone;
(4) 11,300 lin. ft. underdrains.

OPERATING EQUIPMENT

Circular clarifier; chlorinator; scales; heater and hot water pump; sludge pump; 3 centrifugal pumps; switchboard; filter distribution siphon bar screen and hoist; cast iron pipe and fittings; galvanized iron pipe; and painting.

Plans will be comleted in abount 30 days.

NEW BIDS ASKED

SANTA BARBARA, Cal.—Until September 6, 1:30 P. M., new bids will be received by the Santa Barbara city council for furnishing purification equipment, including chlorinators, ammoniator, and three recording "loss of weight scales" for the Mission, Sheffield and Botkin Reservoirs.

All bids received Aug. 9 have been rejected. Complete bids on that opening published August 13.

CONTEMPLATED

RICHMOND, Contra Costa Co., Cal.—Richmond City Council has directed City Engineer E. A. Hoffman to prepare a preliminary report on a sewer replacement and extension program. The council may apply for federal funds to aid in a construction program. 3

COMPLETING PLANS

FRESNO, Fresno Co., Calif.—City Public Works Department completing plans for construction of storm sewer in east side of Wishon Ave. between University Ave. and Dry Creek. Bids are to be asked late in September.

Plans also are being drawn for storm sewer between Stanislaus and L Sts. and Divisadero and Clark Sts.

Projects will be financed with proceeds of $35,000 bond issue and $15,-300 PWA grant. Jean L. Vincenz, Commissioner of Public Works.

33— WATER WORKS

BOND ELECTION

SANTA BARBARA, Cal.—A special election will be held in October to vote on a bond issue to finance water system improvements to cost $390,000.

NEW BIDS WANTED

SAN CLEMENTE, Cal.—Until September 7, 8 P. M., new bids will be received by the San Clemente City Council for furnishing all labor, material, transportation and services for the construction of cast iron water mains in the City of San Clemente to replace existing steel mains.

Complete description of the project published August 21.

Dan Mulherron of San Clemente was low bidder at the first opening on August 17, and was awarded the contract at $36,936.60, but was permitted to withdraw his bid upon discovery of an error in estimating. 3

CONTRACT AWARDED

GRAND COULEE, Wash.—Arcorace & Co., Seattle (Felix Arcorace, $423 48th St., and L. Coluccio, 1638 Lane St.) at $51,804 awarded contract by the U. S. Bureau of Reclamation, care Columbia Basin Commission, Civic Bldg., Spokane, for the construction of the water supply and sewer systems for the Government camp at Grand Coulee Dam, under Spec. No. 575.

Complete bids published July 6.

BOND ELECTION

SANTA BARBARA, Cal.—An election will be held October 9 (tentative date) to vote on a $390,000 bond issue to finance water system improvements as follows:

Filtration plant, $160,000;
El Cielito Reservoir, $28,100;
Mesa Reservoir, $36,000;
Re-placement of redwood pipe line, $54,000;
Shop and garage, $24,400;
Deepening Sheffield Reservoir, $60,000;
Distribution system, $15,000;
Other mains, $12,500.

Victor H. Trace is the water superintendent. 3

CONTRACT AWARDED

ALHAMBRA, Los Angeles Co., Cal.—Southwest Welding & Mfg. Co., 2201 W. Mission St., Alhambra, at $979.90 awarded contract by the Alhambra City Commission for furnishing and installing a steel sand trap in Well No. 7.

BIDS WANTED

PORTERVILLE, Cal.—Until Sept. 12, 8 P. M., bids will be received by the Porterville City Council, F. M. Pfrimmer, City Manager, for furnishing and installing a complete pumping unit for the Orange Street well.

Specifications obtainable from above City Clerk.

BIDS OPENED

STOCKTON, Cal.—F. Kaus, 2726 E. Main St., Stockton, at $3189 submitted low bid to the Stockton City Council, August 27, for the construction of a pump house and furnishing and installing pumping equipment at Louis Park, Stockton. Comlete bids follow:

F. Kaus, Stockton	$3189.00
Sterling Pump Co., Stockton	3693.90
C. H. Dodd, Stockton	3763.00
Stowell Implement Co., Stockton	3778.72
P. L. Burr, San Francisco	3879.00
J. C. Meyers, Stockton	4214.21
John Hacbman, Stockton	4240.00
S. M. McGaw, Stockton	4300.00
A. Soda & Son, Oakland	4357.18

All bids held under advisement.

34 — PARKS AND PLAYGROUNDS

NEW BIDS ASKED

STOCKTON, Cal.—Until September 4, 5 P. M., (to be opened at 8 P. M.) new bids will be received by the Stockton City Council, B. L. Trabern, City Clerk, for furnishing and installing pipe lines for sprinkling systems at Louis Park, Stockton.

No bids were opened by the City Council August 27, due to an error in item of quantities.

Plans and specifications obtainable from above office. 4

29—STREETS AND HIGHWAYS

BIDS WANTED

SAN MATEO, San Mateo Co., Cal.—Until Sept. 4, 8 P. M., bids will be received by the San Mateo City Council, E. W. Foster, City Clerk, City Hall, for paving E. Santa Inez Ave. and N. Fremont St. The work involves 40,000 sq. ft. of paving, consisting of a 4-in. compacted quarry run base and a 2-in. armor coat.

Plans and specifications obtainable from the City Engineer.

BIDS OPENED

SANTA CLARA COUNTY, Calif.—E. W. Heple, 494 Delmas Ave., San Jose, at $14,448 submitted low bid to Santa Clara County Board of Supervisors, County Courthouse, San Jose, for the improvement of Junipero Serra Blvd. from the San Mateo County Line to Mill Page Road in Supervisor District No. 5.

Complete bids follow:

Earl W. Heple, San Jose	$14,448
L. F. Piazza, San Jose	14,530
A. J. Raisch, San Jose	16,698
Engineer's estimate	14,200

All bids held under advisement until August 30.

BIDS WANTED

SANTA CLARA CO., Calif. — Until Sept. 10, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, clerk, County Courthouse, San Jose, for the improvement of Campbell Avenue between Santa Clara-Los Gatos Road and San Tomas Aquino Road, in Supervisor Districts Nos. 4 and 5. The work involves about 156,000 sq. ft. of pavement (oil macadam).

Plans and specifications obtainable from County Surveyor R. B. Chandler at a charge of $1.00.

BIDS WANTED

KERN COUNTY, Cal.—Until Sept. 19, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about .7 mile to be graded & surfaced with bituminous treated crushed gravel or stone in Kern County in the town of Maricopa, on Klipstein, Poso, California and Merced Sts. The work involves:

(1) 5,150 c.y. rdwy. excav., unclass.;
(2) 600 sta. yds. overhaul;
(3) 3,100 c.y. imported borrow;
(4) 450 c.y. struc. excav.;
(5) 300 M. gals. water;
(6) 50 c.y. asphalt concrete existing pavement removed and disposed of;
(7) 900 tons crushed gravel or stone (bituminous treated surfacing);
(8) 50 tons cut-back asphalt road oil (bituminous treated surfacing);
(9) 950 tons mixing cut-back asphalt road oil and crushed gravel or stone;
(10) 1,280 bbls. fuel oil;
(11) 18,500 sq. yds. prepare, mix and shape roadbed;
(12) 10 c. yd. Class A Portland cement concrete (structures);
(13) 410 lbs. bar reinf. steel (struc.);
(14) 192 l.f. 18-in. CMP;
(15) 138 l.f. 24-in. CMP;
(16) 76 l.f. 36-in. CMP;
(17) 84 l.f. 48-in. CMP;
(18) 42 l.f. CMP clean and relay;
(19) 4 each culvert markers;
(20) 35 stations finishing roadway;
(21) 18 monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated.

NOTICE TO BIDDERS

STATE OF CALIFORNIA — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work advertised for opening in Sacramento on September 12, and in Los Angeles on September 13.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished free of cost and become the property of the purchaser.

Following are the prices for such blue prints for the work now advertised:

V-S.B-80-C between Hollister Ave. and Painted Cave Road; plans: 23 sheets, $2.30; cross-sections, 272 sheets, $27.20; Total, $29.50. Opening in Sacramento Sept. 12.

VI-Ker-57-A between the westerly boundary and 2.4 mi. south of Maricopa: None. Bid opening in Sacramento, September 12.
VIII-SBd-26-D through Bloomington, plans, 6 sheets, 60c; cross-sections 11 sheets, $1.10; Total, $1.70.

Checks for above should be made payable to the Department of Public Works, Division of Highways, and should accompany the order to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

AWARD

PLACER AND NEVADA COS., Cal. —Lee J. Immel, 1031 Evelyn St., Berkeley, at $12,766 awarded contract by the State Highway Commission, Sacramento, for 23.6 miles of bituminous surface treatment in Placer and Nevada Counties.

CONTRACT AWARDED

SACRAMENTO, Nevada and Butte Cos., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $12,900 awarded contract by the State Highway Commission, Sacramento, for 28 miles of bituminous surface treatment in Sacramento, Nevada and Butte Counties.

CONTRACT AWARDED

NYE COUNTY, Nev.—Geo. French, Jr., P. O. Box 107, Stockton, at $62,-365.15 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Nye County between the California - Nevada state line and the junction with Route 5, Route 29, Section A, a length of 16.61 miles.

Union Paving Co., Call Bldg., San Francisco, at $62,595.25 submitted second low bid.

Complete bids will be published shortly. * 9

CONTRACT AWARDED

ORMSBY COUNTY, Nevada.—Silver State Construction Co., Fallon Nev., at $3,814.30 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of an asphaltic road-mix surface on a portion of the State Highway System in Ormsby County between the junction with Route 3, south of Carson City and Stewart India School and within the Indian School, a distance of approximately 1.78 miles.

George French, Jr., Stockton, at $4,-371.76 submitted second low bid.

CONTRACT AWARDED

LYON COUNTY, Nev.—Union Paving Co., Call Bldg., San Francisco, at $46,909.26 submitted low bid and was awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Lyon County between two miles east of Moundhouse and Silver City, Route 17, Section A, a length of 3.44 miles.

Dodge Construction, Inc., Fallon, Nevada, at $47,944.96 submitted second low bid.

CONTRACT AWARDED

ELKO COUNTY, Nev.—N. M. Ball, 1889 Yosemite Road, Berkeley, at $42-929.10 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Elko County within the City of Elko, between Sixth St. and 436 ft. east of 13th St., Route 1, Section A3 and B, a length of 0.57 mile.

Hoops Const. Co., Twin Falls, Ida., at $48,669.90 submitted second low bid.

BIDS OPENED

ISLETON, Sacramento Co., Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $1,349 submitted low bid to the Isleton City Council August 27, for street improvement.

The other bids were:
E. F. Hillard, Sacramento..... $1,389
R. R. Carlson, Vallejo..... 1,824

Contract will be awarded to the low bidder September 4.

LOW BIDDERS

SUMMIT, Canal Zone.—H. B. Nelson Const. Co., Red Rock Bldg., Atlanta, Ga., at $401,660 submitted low bid to the Bureau of Yards and Docks, Navy Dept., Washington, D. C., under Spec. 7515, for construction of roads and services, buildings, etc., at the Naval Radio Station, Summit, Canal Zone.

Tucker McClure, Cristobal, C. Z., at $414,000 submitted second low bid.

BIDS WANTED

GILA COUNTY, Ariz. — Until Sept. 11, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for placing subgrade reinforcement on 5.-039 miles of Section A of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County, Ariz.

The work involves (1) 6,500 c.y. subgrade reinf.; (2) 35,000 c.y. hauling subgrade reinforcement.

Plans and specifications obtainable from the Bureau of Public Roads at the above office and at 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.00. * 9

BIDS WANTED

COCONINO COUNTY, Ariz. — Until September 13, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for grading and placing a selected material subgrade reinforcement on 9.14 miles of Route 8, Hermit Rest, Grand Canyon National Park Coconino County, Arizona.

The work involves:
(1) 23,500 c.y. unclas. excavation;
(2) 41,500 c.y. do for borrow;
(3) 2,200 c.y. do for structures;
(4) 20,000 sta. yds. overhaul;
(5) 31,200 c.y. mi. borrow haul;
(6) 30,500 c.y. subgrade reinf.;
(7) 6,100 c.y. existing road obliteration excavation;
(8) 2,000 M. gals. watering;
(9) 1,784 l.f. CMP in place;
(10) 304 l.f. removing and stockpiling existing CMP culverts;
(11) 3,400 c.y. masonry;
(12) 4,950 l.f. masonry curb;
(13) 11 c.y. concrete;
(14) 750 lbs. reinforcing steel;
(15) 2,750 lbs. cast steel;
(16) 214 l.f. paved ditch;
(17) 3,100 l.f. protection ditch;
(18) 2,200 l.f. metal railing;
(19) 3,600 l.f. walk;
(20) 2,638 l.f. removing and stockpiling or resetting fence.

Plans and specifications obtainable from the Bureau of Public Roads at the above office and at 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.00. * 9

BIDS WANTED

PIERCE COUNTY, Wash. — Until Sept. 5, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Building, Portland, for 15.515 miles of surfacing in Mt. Rainier National Park, White River Road, NR-3-A, B1, B2, B3, bituminous macadam, National Park Rd. Project located within the Mt. Rainier National Park, Pierce County, Wash. The work includes the Sunrise ridge and Yakima Park parking areas.

The work involves:
(1) 2,000 cu. yds. unclass. excav.;
(2) 15.5 miles preparation of rdwy.;
(3) 15,500 c.y. mineral aggregates, in place;
(4) 1,700 tons emulsified asphalt, in place.

Plans and specifications obtainable from the above office upon deposit of $10.00. 9

BIDS OPENED

RIVERSIDE COUNTY, Cal.—George Herz & Co., Platt Bldg., San Bernardino, at $10,131.30 submitted the only bid to Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, August 20, for grading and surfacing with oil treated crush. gravel or stone (plant mix) and bituminous surface treatment applied, in Riverside County, about 0.7 mile on Eschscholzia Avenue, between Frederick and Graham Streets.

Unit bids follow:
1,500 c.y. rdwy. excav., unclass., $.30.
100 c.y. struc. excav., $1.00
2,400 tons crushed gravel in place, $3.
125 tons asph. road oil in place, $10.
85 tons screenings in place, $3.50 .
5 tons asph. road oil in place, $24.00.
4 c.y. Class A Portland cement concrete in place (struc.) $20.00.
120 lbs. bar reinf. steel (struc.) $.06.
138 l.f. 18-in. CMP in place, $2.20.
70 timber guide posts in place, $2.50.
37 stations finishing roadway, $4.00.

FUNDS ALLOTTED

PORTLAND, Oregon.—Allotment of $80,000 to the National Park Service for widening and completing the Rim Road in Crater Lake National Park, Oregon, was announced recently by Administrator Harold L. Ickes. Work on the road was started with previous PWA allotments totaling $580,000. The additional allotment is expected to complete the road between Diamond Lake and Cloudcap at a 24-ft. width.

BIDS OPENED

SAN DIEGO COUNTY, Calif.—Following bids received by State Highway Engineer, State Bldg., Los Angeles, for grading and paving with asphalt concrete (Alt. A) or Portland cement concrete (Alt. B) about .3 of a mile in San Diego between Market St. and Broadway.

B. G. Carroll, San Diego, Alt. B, $24,617.20.

Geo. R. Daley, San Diego, Alt. A, $23,415.70.

V. R. Dennis Const. Co., San Diego, Alt. A, $23,933.

Griffith Co., Los Angeles, Alt. A, $24,144.50; Alt. B, $26,053.

Unit bids will be published shortly.

BIDS OPENED

VALLEJO, Solano Co., Cal.—W. H. Larson, 432 Michigan Ave., Berkeley, at $5,483.50 submitted low bid to the Vallejo City Council for repaving of Georgia St. between Sacramento and Santa Clara Sts., in Vallejo.

The other bids were:
Ransome Co., Emeryville..... $6,587.50
Rubin Carlson, Vallejo 7,307.75

Bids held under advisement.

LOW BIDDER

FORT LEWIS, Wash.—Jos. Warter, 631 N. Fife, Tacoma, at $51,000 submitted low bid to the Constructing Quartermaster, Fort Lewis, for the construction of sidewalks, roads, curbs drains and electric ducts at Ft. Lewis.

BIDS WANTED

OGDEN, UTAH—Until September 17, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Ogden, Utah, under Spec. 588, for the construction of the Relocated Huntsville Highway at Fine View Reservoir, Ogden Liver Project, near Ogden, Utah. The principal items of work involved are:
(1) 213,000 cu. yds. excavation, all classes;
(2) 283,000 sta. cu. yds. overhaul;
(3) 1100 cu. yds. backfill;

(4) 425 cu. yds. concrete in strucs.;
(5) 350 cu. yd.s riprap;
(6) 275 sq. yds drry-rock paving;
(7) 15 cu. yds. rubble masonry;
(8) Placing 51,000 lbs. reinforcement bars;
(9) Laying 2206 lin. ft. 18-in. and 48-in. diameter corrugated metal pipe;
(10) Applying 265,000 gals. water in sprinkling highway;
(11) Placing 20,390 tons highway surfacing materials;
(12) Applying 30,800 gals. bituminous prime and seal coats;
(13) Constructing 4750 lin. ft. timber guardrail;
(14) Constructing 5.3 mi. right-of-way fence;

Plans and specifications obtainable from the Bureau of Reclamation, Ogden, Utah; Denver, Colorado; or Washington, D. C., without charge to prospective bidders; to others $2, not returnable. 9

PLANNED

SACRAMENTO COUNTY, Cal.—Sacramento County will have approximately $510,000 available for county road improvements and maintenance, County Engineer John J. Rooney estimates. Principal construction work planned includes:

Ferguson-Wilder bridge, $15,500; Lower Stockton Road trestle, $19,140; Fair Oaks trestle, $13,000; M Street bridge, $75,000; Natomas trestle, $12,300; Rio Linda road bridges and paving, $15,000; Greenback Lane, $6400; Marconi Avenue, $10,000; Fair Oaks boulevard, $20,000.

PLANNED

BURLINGAME, Cal. — Burlingame City Council has approved an agreement with the State Division of Highways for resurfacing El Camino Real from Oak Grove northerly. The city has $15,000 in gas tax funds available and will call for bids in the work as soon as final plans have been prepared. 9

PLANS COMPLETED

OXNARD, Cal.—City Engineer Earl O. Imus has completed plans for improving Oxnard Blvd. between Second and Fifth Streets, by resurfacing with asphaltic concrete. The work involves:
(1) 1250 tons asphalt concrete;
(2) 90,000 sq. ft. paint binder;
(3) 2100 sq. ft. asphalt concrete paving, average 2¼-in. thick;
(4) 17,200 sq. ft. asphalt concrete paving.

Bids will probably be called for within thirty days. 29

BIDS WANTED

GILA COUNTY, Ariz.—Until Sept. 18, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for grading 3.046 miles of Section B of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County, Ariz.

The work involves:
(1) 10 acres clearing;
(2) 17,000 c.y. unclass. excav.;
(3) 855 c.y. do for structures;
(4) 4,000 sta. yds. overhaul;
(5) 3.033 miles finish earth graded rd.
(6) 856 l.f. CMP;
(7) 112 c.y. concrete;
(8) 22,700 lbs. reinforcing steel;
(9) 473 c y. cement rubble masonry;
(10) 1.43 MFBM untreated timber;
(11) 238 c.y. hand-laid riprap;
(12) 11,500 l.f. Type 1 protection ditch;
(13) 12 each right-of-way monuments
(14) 6,600 l.f. new fence;
(15) 2 each farm entrance gates;
(16) 1 each cattleguard.

Plans and specifications obtainable from the above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.00.

CONTRACT AWARDED

SAN DIEGO CO., Cal.—Gilmore Oil Co., 2423 E 28th St., Vernon, at $6,520 awarded contract by the State Highway Commission, Sacramento, for oiling highway in San Diego county between Julian and easterly boundary, about 18.1 miles in length.

CONTRACT AWARDED

SAN BERNARDINO and Riverside Cos., Cal.—George Gardner and Sons, 445 E. Cypress Ave., Redlands, at $9,965.90 awarded contract by the State Highway Commission, Sacramento, for 12.3 mile of existing roadbed shoulders to be treated with fuel oil in San Bernardino and Riverside counties between Calimesa and Banning.

CONTRACT AWARDED

SONOMA COUNTY, Calif.—Asphalt Pavement Planing Co., 1924 Broadway, Oakland, at $2,340 awarded contract by the State Highway Commission, Sacramento, for planing about 3.2 mi. of existing asphalt concrete pavement in Sonoma County between Guerneville and Sebastopol.

BIDS OPENED

LINN COUNTY, Oregon.—Heller & Gillgannon, Scappoose, Ore., at $19,200 submitted low bid to the U. S. Bureau of Public Roads, W. H. Lynch, District Engineer, 316 New Postoffice Bldg., Portland, for 6.337 miles of the North Santiam Completion Clearing Project E-24-F, National Forest Road Project, located within the Willamette National Forest, Linn Co., Ore.

Complete bids follow:

Heller & Gillgannon, Scappoose, Oregon	$19,200
Mallory Logging Equipment Co., Portland	20,400
Kern & Kibbe, Portland	22,700
Smith, Johnson, Smith & Erickson, Naches, Wash.	23,483
G. I. Stebbins Const. Co., Klamath Falls	39,900

All bids held under advisement.

PROGRAM APPROVED

ARIZONA STATE. — District Engineer C. H. Sweetser, San Francisco, has announced final approval of the Forest Highway construction program to be undertaken by the U. S. Bureau of Public Roads in the State of Arizona in the fiscal year ending June 30, 1935. The program includes three projects, as follows:

Flagstaff - Clints Wells Highway, grading Section B, 8 miles, $110,000.

Globe - Showlow Highway, grading 4.5 miles, $55,000.

Oak Creek Highway, grading 4.6 mi., $150,562.

BIDS WANTED

WASHINGTON STATE.—Until September 11, 10 A. M., bids will be received by the Washington State Highway Directors, L. V. Murrow, Director of Highways, Olympia, for highway construction as follows:

Kittitas County: Paving with Portland cement concrete about 8.4 miles of State Road No. 2 and 3, Little Creek to Teanaway, U. S. Public Works Projects No. NRH 114-F, NRH and NRM 114-E, NRM and NRH 114-D and NRH 165-G, in Kittitas County.

Kittitas Co.: Surfacing and stockpiling about 22.830 c.y. of crushed stone surfacing material and oil rock on about 7.7 miles of State Road No. 7, Alkali lke's to Rock Canyon, Unit 2, F.P.W. Project No. 6187, in Kittitas County.

Yakima County: Grading and clearing about 0.4 mile and constructing reinforced concrete girder bridge 114 ft. in length on State Road No. 8, Yakima River vicinity, Section 2, between Buena and Toppenish, Federal Land Project No. 6, in Yakima County, involving about 20,680 c.y. excavation; 72 l.f. pipe culverts; concrete bridge and other items.

Pacific County: Grading, surfacing with crushed stone, and paving with Portland cement concrete about 1.5 miles of State Road No. 12, South Bend to Potter's Slough, U. S. P. W. Projects No. NRM 178-H and NRH 178-I, in Pacific Co., involving about 11 acres clearing; 35,220 c.y. excavation; 250 c.y. high early strength Portland cement pavement; 13,000 c.y. of crushed stone ballast and surfacing materials; 4,655 l.f. treated timber piling; 1,122 l.f. of pipe culverts, and other items.

Pierce County: Grading and surfacing about 0.4 mile of State Road No. 14, Gig Harbor north, U. S. P. W. Project No. NRH 209-A, in Pierce Co., involving about two acres of clearing; 32,480 c.y. of excavation; 135 c.y. of concrete; 2,590 c.y. of crushed stone ballast and surfacing materials; 389 l.f. of pipe culverts, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00 per set.

CONTRACT AWARDED

ORANGE COUNTY, Cal.—Gogo and Rados, 10,024 S. Figueroa St., Los Angeles, at $9 956 awarded contract by the State Highway Commission, Sacramento, for fuel oil treatment in Orange County between Galivan and Irvine, between Huntington Beach and Newport, and on Hampshire Avenue, Huntington Beach, between Route 60 and Garfield St., a total distance of 15.3 miles.

BIDS OPENED

BUTTE AND PLUMAS COUNTIES, Cal.—Hayward Building Material Co., Atherton and Jackson Sts., Hayward, at $3,864 submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Redding, for 12 miles of fuel oil treatment in Butte and Plumas counties between West Branch and Jarboe Pass and between Belden and 1.75 miles east of Rich, District II, Route 21, Sections B, C, A, B.

The other bids were:

Tiffany Const. Co., San Jose	$4,368.00
C. F. Fredericksen and Sons, Lower Lake	4,418.40

NOTICE TO BIDDERS

KERN COUNTY, Cal.—A representative of the District Office will accompany prospective bidders over the proposed project in Kern County, between Westerly Boundary to 2 miles south of Maricopa, rod VI-Ker-57-A, for which bids are to be received in Sacramento September 12, 1934.

Said representative will meet prospective bidders at the State Highway Maintenance Yard, Maricopa, on Thursday, August 30, and Friday September 7, at 9 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates. 29

NOTICE TO BIDDERS

SANTA BARBARA COUNTY, Cal.—A representative of the District office will accompany prospective bidders over the proposed priject in Santa Barbara County, between Hollister Ave. and Painted Cave Road, road V-SB-80-C, for which bids are to be received in Sacramento on September 12, 1934.

Said representative will meet prospective bidders at Painted Cave Road on Wednesday, September 5, at 9 A. M.

Prospective bidders are urged to cooperate with the District office and arrange to make their field inspection on the above dates.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

MERCED COUNTY — BRIDGE — (STATE)

MERCED COUNTY, Cal. — Valley Paving & Construction Co., P. O. Box 1349, Fresno, at $20,987.80 submitted low bid to the State Highway Commission, Sacramento, for the construction of a timber bridge across Santa Rita Slough and about 0.5 mile to be graded and surfaced with bituminous treated crushed gravel or stone plant mix. The work involves:

(1) clearing and grubbing right-of-way;
(2) 2300 cu. yds. rdwy. excav., unclass.;
(3) 16,000 cu. yds. imported borrow;
(4) 385 cu. yds. structure excav.;
(5) 100 cu. yds. concrete, removed and disposed of;
(6) 20 cu. yds. Class A Portland cement concrete structures;
(7) 490 lbs. bar reinf. steel, strucs.;
(8) 210 lin. ft. 18-in. C.M.P.;
(9) 68 lin. ft. 24-in. C.MP;
(10) 48 lin ft. 30-in. C.M.P.;
(11) 104 lin. ft. 36-in. C.M.P;
(12) 52 lin. ft. C.M.P. culverts, remove and salvage;
(13) 3 each move and reset headwalls;
(14) 470 M. gals. water;
(15) 1745 tons untreated crushed gravel or stone base;
(16) 925 tons crushed gravel or stone bituminous treated surfacing;
(17) 46 tons cut back asphalt bituminous do;
(18) 36 bbls. fuel oil prime coat;
(19) 1.0 mile new property fences;
(20) 12 each fence gates, complete in place;
(21) 610 lin. ft. furnishing redwood piles, including test piles;
(22) 20 each driving piles, including test piles;
(23) 30 MFBM redwood timber, dense, select, all heart, struc. grade;
(24) 4 MFBM redwood timber, select, do;
(25) 1 only existing bridge, removed and disposed of;
(26) 28 stations finishing roadway;
(27) 12 each, monuments, complete in place.

Total bids follow:

(A) Valley Paving & Constr. Co., Fresno. $20,987.80.
(B) C. W. Wood, Stockton, $21,641.70
(C) Union Paving Co., San Francisco $24,223.56.
(D) John S. Heilmann, San Francisco, $26,270.25.
(E) Hanrahan - Wlicox Corp., San Francisco, $28,697.55.
(F) Poulos & McEwen, Sacramento. $30,495.80.
(G) John Jurkovich, Fresno, $32,338.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 110.00	$200.00	$200.00	$ 300.00	$ 400.00	$ 200.00	$1000.00
(2)	.20	.30	.40	.30	.25	.30	.30
(3)	.32	.30	.35	.42	.60	.64	.50
(4)	.75	1.00	1.25	2.00	.85	1.00	1.00
(5)	2.75	2.00	6.00	2.40	2.00	3.50	4.00
(6)	25.00	19.00	35.00	25.00	25.00	35.00	30.00
(7)	.07	.08	.10	.05	.05	.06	.05
(8)	.50	.50	.35	.90	.40	.50	1.00
(9)	.50	.50	.45	.90	.50	.50	1.00
(10)	.75	1.00	.65	1.50	.70	.80	1.00
(11)	.75	1.00	.70	2.00	.90	1.00	1.00
(12)	.25	1.00	.70	1.00	.50	2.00	1.00
(13)	17.00	10.00	15.00	25.00	15.00	12.00	20.00
(14)	.55	2.00	2.00	2.00	.80	1.00	2.00
(15)	1.65	2.00	2.25	2.00	2.50	2.95	3.50
(16)	4.16	4.90	5.00	4.35	5.00	4.95	5.00
(17)	15.00	16.00	20.00	23.00	18.00	20.00	20.00
(18)	2.00	4.00	3.25	4.50	2.60	4.00	5.00
(19)	400.00	400.00	400.00	300.00	400.00	500.00	500.00
(20)	20.00	15.00	15.00	25.00	12.00	15.00	20.00
(21)	.50	.60	.55	.48	.55	.55	1.00
(22)	35.00	20.00	18.00	40.00	26.00	35.00	50.00
(23)	82.00	90.00	75.00	90.00	100.00	90.00	100.00
(24)	80.00	90.00	80.00	90.00	100.00	90.00	100.00
(25)	1500.00	150.00	750.00	1600.00	1500.00	1080.00	2000.00
(26)	6.00	5.00	8.00	5.00	5.00	4.00	5.00
(27)	3.00	3.00	3.00	3.50	2.50	3.50	3.00

SAN FRANCISCO—LAYING PIPE—(CITY)

SAN FRANCISCO——The San Francisco Water Department Construction Division, at $687.18 submitted low bid for the laying of an 8-inch cast iron main in Cayuga Ave. from Lyell St. to Milton St., under S. F. Water Dept. Contract No. 59. Bids were taken as follows:

(1) 700 l.f. excavation and backfill for 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 25 c.y. additional excavation and backfill;
(3) 150 sq. ft. additional pavement removal and replacement;
(4) 700 l.f. 8-in. bolted joint cast iron pipe;
(5) 550 lbs. installation of fittings, gate valves, etc.;
(6) 20 l.f. bell and spigot joints;
(7) 130 bolted joints for 8-in. cast iron pipe;
(8) 1,155 sq. ft. repavement;
(9) connections. Work to be done by the S. F. Water Dept.

The bids were:

(A) S. F. Water Dept., $687.18.
(B) Frank O'Shea, S. F., $871.10.
(C) E. J. Treacy, S. F., $923.475.
(D) Lowrie Paving Co., S. F. $967.25.
(E) M. J. Lynch, S. F., $1,190.00.
(F) Pacific Pavements Co., C. F., $1,-360.37.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .24	$ .45	$ .42	$ .40	$ .40	$ 1.05
(2)	1.00	.50	.75	1.00	2.50	2.00
(3)	.32	.20	.27	.40	.20	.38
(4)	.08	.16	.10	.08	.20	.16
(5)	.02	.02	.02	.02	.10	.02
(6)	.25	.85	.80	.25	1.00	.80
(7)	.11	.15	.25	.20	1.20	.15
(8)	.225	.22	.295	.35	.30	.225
(9)	100.00	100.00	100.00	100.00	100.00	100.00

All bids held under advisement.

COMPLETE BID LISTING

SAN DIEGO COUNTY, Cal.—Daley Corp., 4430 Boundary St., San Diego, at $23,415.70 (Alt. A, asphaltic concrete) submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, August 23 for grading and paving with asphaltic concrete or Portland cement concrete about 0.3 miles in the City of San Diego between Market St. and Broadway.

Total bids follow:

(A) Daley Corp., San Diego, (Alt. A) $23,415.70; (Alt. B) no bid.
(B) B. G. Carroll, San Diego, (A) no bid; (B) $24,617.20.
(C) V. R. Dennis Const. Co., San Diego, (A) $23,933; (B) no bid.
(D) Griffith Co., Los Angeles, (A) $24,144.50; (B) $26,053.00.

Unit quantities follow:

(1) 1230 c.y. rdwy. excav., unclass.;
(2) 1750 mi. yds. haul;
(3) 1560 c.y. structure excavation;
(4) 6850 sq. yds. subgrade for pave.;
(5) 7 c.y. Class A Portland cement concrete (struc., curbs, etc.);
(6) 350 lbs. bar reinf. steel (struc.);
(7) 45 c.y. concrete removed from existing pave .and disposed of;
(8) 25 l.f. 18-in. reinf. conc. pipe;
(9) 684 l.f. 24-in. reinf. conc. pipe;
(10) 51 M. gals. water;
(11) 1 concrete joint;
(12) 1 electrolier, removed and salvaged;
(13) 3 catchbasin frames and gratings;
(14) 120 bbls. fuel oil;
(15) 14 stations prepare, mix & shape shoulders;
(16) 14 stations finishing rdwy.;
ALTERNATIVE A
(17) 2850 tons asphalt conc. pave.;
ALTERNATIVE B
(18) 1360 c.y. Class A Portland cem. conc. pave.;
(19) 36,650 lbs. bar reinf. steel pave.

Unit prices follow:

	(A)	(B)	(C)	(D)
(1)	$ .54	$ .70	$ .75	$ .50
(2)	.11	.14	.25	.16
(3)	2.50	3.45	3.50	5.00
(4)	.13	.10	.12	.13
(5)	27.00	22.00	35.00	25.00
(6)	.13	.06	.10	.10
(7)	6.00	2.70	2.00	5.00
(8)	3.00	2.30	3.50	2.50
(9)	5.70	2.70	4.00	5.00
(10)	.70	.45	3.00	1.50
(11)	27.00	25.00	25.00	25.00
(12)	67.50	44.00	100.00	50.00
(13)	27.00	19.00	25.00	30.00
(14)	4.00	3.27	3.00	3.00
(15)	10.00	9.50	10.00	10.00
(16)	8.00	12.00	10.00	10.00
(17)	4.42	.....	4.37	3.60
(18)	.....	9.63	.....	7.60
(19)	.....	.045	.....	.05

BIDS WANTED

LYON COUNTY, Nev.—Until Sept. 19, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, to construct an asphaltic roadmix surface on a portion of the State highway system in Lyon county between Yerngton nad Wabuska, Route 28, Section A, a length of 12.12 miles.

The work involves:

(1) 221,993 gal. asph. road material, Type SC-2;
(2) 19,536 gal. do. Hype MC-2;
(3) 12.11 miles roadmix;
(4) 12.11 miles finish roadway.

Plans and specifications obtainable from above office by hona fide prospective bidders upon deposit of $5.00, $2.50 returnable.

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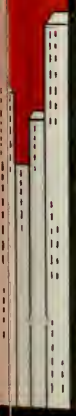

EPTEMBER 8, 1934

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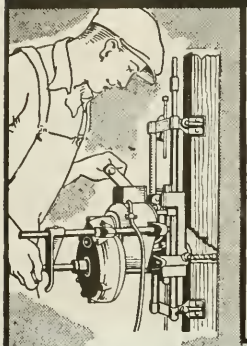

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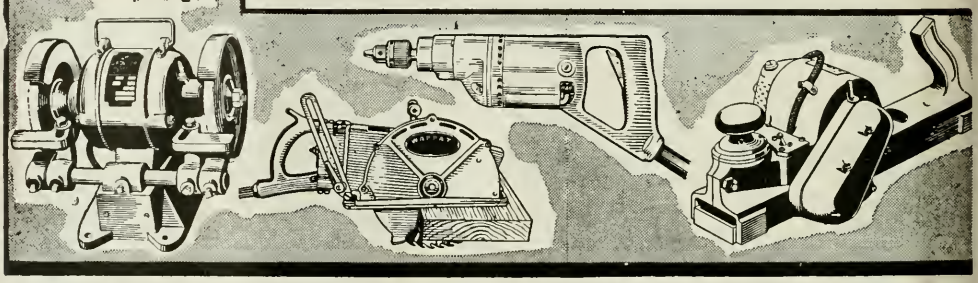

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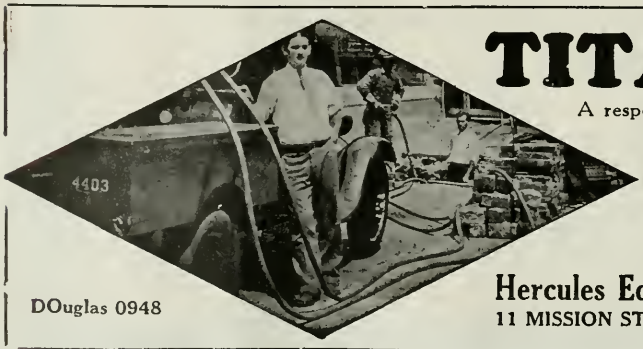

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Vol. XVII SAN FRANCISCO, CALIF., SEPTEMBER 8, 1934 No. 36

BID DATES SET ON CALIFORNIA POST OFFICES

Six Buildings to Cost $379,000 In State Now On Market

Dates for opening bids on the construction of six California post offices to cost approximately $379,000 have been announced by the Treasury Department under its current building program.

On September 14 bids will be opened on a contract for construction of the San Fernando post office, for which $72,600 has been appropriated.

Bids will be opened September 27 on the Santa Clara post office; $40,500 has been allotted to this project. According to present plans, the building will be of the one-story mission style with tile roof.

On October 4 bids will be opened for construction of the Pittsburg post office, for which an appropriation of $68,200 has been made.

October 10 has been set as the date for opening bids on both the Orange and La Jolla post office buildings. For the La Jolla project $59,400 has been appropriated. The Orange post office has been allotted $64,900.

Bids will be opened October 12 on the Redondo Beach post office, for which $73,700 has been appropriated.

In addition to the new construction projects, the bid opening date for the completion of the fourth, fifth, sixth, and seventh floors of the Long Beach post office building tower has been scheduled for October 15. Estimated cost of the work is $24,000.

Three post offices in Oregon and Washington to cost approximately $174,600 are also being advertised. Bids will be opened on the Montesano, Wash., building, for which $56,300 has been appropriated, September 25. On September 28 bids will be opened for construction of the Hood River, Oregon, post office, to which an allotment of $61,600 has been made. October 9 is the date scheduled for opening bids on the post office at Hillsborough, Oregon, to which $56,700 has been allotted.

Plans for the buildings have been prepared by the Supervising Architect's office in Washington, D.C.

PINE VIEW DAM BIDS OPENED

OGDEN, Utah, Sept. 5.—Utah Const. Co. and Morrison-Knudsen Co., at $677,898 submitted the low bid to day to the U. S. Bureau of Reclamation for construction of the Pine View dam and appurtenant works on Ogden River. J. A. Terteling and Sons at $716,989 submitted the second low bid. Barrett & Hilp at $754,717 were third low. Five bids were received.

S. F. BUILDING PERMITS DOUBLE JULY FIGURE

Volume Exceeds Total of August 1933; End of Strike Restores Volume

San Francisco building permits in August more than doubled the July total, when strike conditions brought new building to the lowest volume in many months. The total value of permits issued in August was $609,991, according to the report of Director of Public Works Wm. H. Worden. The total for August, 1933, was $544,224, and for July, $288,028.

Although public works contracts accounted for approximately $187,000 of the total, there was a substantial gain in privately-financed work over the previous month.

There were twenty-two permits issued for residences with a value of $54,200, compared with eight permits for a value of $21,200 in July. Alterations totaled $336,633 compared with $127,000 in the previous month.

Comparative totals in various classifications for the corresponding months of 1933 and 1934 are shown below:

Class.	No. P'mts Aug., 1	Est. Cost 1934	No. P'mts Aug., 1933	Est. Cost
A	1	$ 600	1	$ 7,000
B	....	.....	1	500
C	3	31,500	7	98,600
Frames	22	54,200	57	282,584
Alteration	320	336,633	375	147,579
Harbor	1	68,487	...	.....
Public	3	108,039	1	7,961
U. S. Govt.	2	10,532	...	...
Total	352	$609,991	442	$544,224

$1,043,000 FOR FOREST ROADS IN CALIFORNIA

Construction Program For Year Announced; Four Contracts Advertised

The California Forest Highway program for the fiscal year ending June 30, 1935, contemplates expenditure of $1,043,000, it was announced yesterday by District Engineer C. H. Sweetser of the U. S. Bureau of Public Roads. The work programmed includes a balance of $230,000 from the 1934 recovery fund appropriation, and $813,000 in new recovery fund allotments.

Four contracts for which a total of $278,000 is allotted are now being advertised for bids to be received during September.

The projects to be contracted and the amount programmed follow:

*Route 5, Sections B1, D1, E, Douglas City-Peanut; subgrade, $35,000.

Route 7, Section B, Mendocino Pass; betterment, to be done by day labor, $40,000.

Route 11, Section A3, Lava Beds, seal coat; $29,000.

Route 12, Sections A2, B2, Howard Gulch; seal coat; $45,000.

*Route 51, Section B, Hoopa; grading; $60,000.

Route 51, Section A1, B1, Hoopa; base course; $40,000.

Route 77, Section C2, Mt. Shasta-Mt. Lassen; seal coat; $40,000.

*Route 31, Section G, Deer Creek Meadows; grading; $100,000.

*Route 32, Section A1, Placerville-Lake Tahoe; grading; $83,000.

Route 63, Section C, Swartout; grading; $150,000.

Route 82, June Lake, Mono county; grading; $125,000.

Morro Bay, San Luis Obispo County; grading; $170,000.

Laguna Extension, San Diego County; grading; $125,000.

* Contract being advertised.

Fred H. Crane has been appointed secretary of the Oakland Master Plumbers' Association, it is announced. The appointment is effective as of September 1.

$86,000 SEWER BONDS CARRIED IN BURLINGAME

City Will Proceed With Project Despite Defeat of Issue in San Mateo

At elections held August 30 Burlingame voters approved an $86,000 bond issue to secure a PWA loan and grant of $147,000 for construction of a sewage disposal plant and sewers, while San Mateo rejected an $85,000 bond issue proposal for similar work. A PWA allotment of $121,000 had been made to the latter project.

The complete system, including treatment and disposal plants and the outfall sewer, was to have been used jointly by Burlingame, San Mateo, and Hillsborough. Because Hillsborough had funds on hand with which to meet its share of the expenditure, no bond issue was required in that city. Burlingame will proceed with plans for construction, according to City Engineer Chas. M. Thomas. A new election may be called in San Mateo.

On the same date a $30,000 bond issue to finance extensions to San Mateo's city fire-alarm system was defeated by a narrow margin of votes. A substantial majority in favor of both the sewer and fire-alarm system bonds was recorded in San Mateo, but the necessary two-thirds majority was not polled.

Propose $102,000 Bond Issue for County Building

At the general election in November, San Mateo County voters will pass on a $102,000 bond issue proposal to finance construction of a new county office building. The completed building will cost $146,000, of which $44,000 will be supplied as a PWA grant.

Present plans call for a four-story reinforced concrete building. The county library would be located on the first floor, with the second and third floors occupied by offices and the fourth left vacant for future expansion. The building would be erected on county-owned land adjoining the jail in Redwood City.

Walter Kellogg, San Mateo County Executive, will confer with all architects desiring to submit plans on the work.

L. A HIGHWAY JOBS ADVERTISED

SACRAMENTO, Sept. 4.—The State Highway Commission today announced that bids would be opened in Los Angeles, September 27, on two highway contracts. One is for grading and paving with asphalt concrete about six-tenths of a mile in Los Angeles between west city limits and Beverly boulevard; the other in Los Angeles and San Bernardino counties for grading and bituminous surface treatment of 6.6 miles between Llano and Camp Cajon.

No new contracts in Northern California were advertised by the commission.

EUREKA VOTES $1,224,000 WATER SUPPLY PROJECT

Early Construction of Mad River Supply Promised With PWA Aid

At a special election held August 31 in Eureka, the $1,224,000 Mad River Water System was approved by a large majority, a vote of 4,759 in favor of the project being recorded, with 755 opposing it. The election was held to determine whether the city of Eureka should issue bonds in the amount of $959,000 to cover its share of the cost of construction, the remainder being supplied by a PWA grant.

The project will bring water from the Mad River to Eureka, a distance of about twenty-three miles, by pipeline. A dam and a reservoir are to be built at a natural site on the Mad River and the pipeline will be constructed from that point to Eureka. Clyde C. Kennedy of San Francisco, is consulting engineer for the project, working with Evan D. Gardner, Eureka city engineer.

The plan was originally approved by Eureka voters last December by a six-to-one majority. At that time, however, the plan involved the issuance of revenue bonds to be paid from revenues provided by the system. When the project was placed before the Public Works Administration it was approved with the stipulation that general obligation bonds be substituted for the revenue bonds. A second election therefore became necessary.

At the time of approval PWA authorities raised the cost of the project but increased the direct grant to the city by more than $100,000, the amount of the present grant being $318,000 as compared with the original grant of $209,000.

Necessary data for the working plans is being secured by an engineering crew at present and Eureka city officials hope to have construction under way by the first of the year.

BUREAU ISSUES SPECIAL RULES FOR ROAD WORK

Regulations Governing 1934-35 Fund Include Changes Adopted Last Year

Special provisions under which the U. S. Bureau of Public Roads will expend the 1934-35 emergency highway construction appropriation are substantially the same as those in effect at the end of the 1933-34 fiscal year according to District Engineer C. H. Sweetser.

Amendments recommended for last year's original regulations have been incorporated for the most part in this year's provisions. The new rules, therefore, are about the same as those currently operative, although changed considerably from the original provisions for expenditure of NIRA money.

The contractor is required to perform work to the value of not less than 80 percent of the contract with his own organization. Certificates of NRA compliance are required from the general contractor and from all subcontractors and dealers

Labor is to be furnished by regional employment agencies except that the contractor is the sole judge of the fitness of operators on heavy equipment who apply for work.

Definitions of classes of labor follow:

Skilled Labor

Skilled labor shall include the operators of complex heavy power equipment and skilled craftsmen of the journeyman grade whenever and wherever the nature of the work or the local labor agreements prevailing, require the use of craftsmen of this grade.

Labor (Intermediate Grade)

(a) The operators of all power equipment other than complex heavy power equipment, except the passenger cars, trucks of 1½ ton or less manufacturer's rated capacity, and tractors of less than 20 horsepower manufacturer's rated capacity.

(b) Assistants to skilled craftsmen of the journeyman grade and men doing the work of craftsmen without the full skill, or which does not require the full skill, the term journeyman implies.

(c) Men performing any other labor which requires considerable training and experience.

Unskilled Labor

Unskilled labor shall include helpers to journeymen and to assistant craftsmen and all other labor which requires no special skill or experience.

Shipments of oil burners during the first seven months of 1934 totaled 37,490, as compared with 31,409 during the corresponding period of 1933, according to statistics compiled by the Bureau of the Census from data reported by 149 manufacturers.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
414	New York	Steinberg	2500
415	Morton	Malloch	1000
416	Molinari	Damico	8000
417	Rothschild	Owner	6000
418	Rio Grande	Harman	5000
419	Rio Grande	Harman	2500
420	Stelling	Young	1800
421	Skillin	Brockhage	1865
422	Fredericksen	Owner	2500
423	Lindsay	Owner	3000
424	Martinelli	Giusti	1000
425	Associated	Not Let	5000
426	Graham	Larsen	2000
427	Coggins	Owner	1000
428	Pacheco	Owner	1800
429	Noffziger	Bienfield	1000

ALTERATIONS
(414) NO. 758 MARKET ST. Alter stores.
Owner—New York Hat Stores, Inc., 758 Market St., San Francisco.
Architect—Not Given.
Contractor—N. Steinberg, 3226 Winter St., Los Angeles. $2500

ALTERATIONS
(415) NO. 3325-3327 SACRAMENTO St. Alter stores.
Owner—L. M. Norton, % Contractor.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1000

DWELLING
(416) W DIVISADERO 112 N Greenwich; three-story and basement frame dwelling.
Owner—J. B. Molinari, 436 Laurel.
Architect—Not Given.
Contractor—Tony D'Amico, 2345 Polk Street. $8000

STORE
(417) N CHESTNUT 73 E Mallorca Way; 2-story frame store.
Owner—Rothschild Bros., 41 Sutter St.
Architect—Hyman & Appleton, 68 Post Street. $6000

OFFICE & GARAGE
(418) SW 16th and ILLINOIS; one-story frame office and garage.
Owner—Rio Grande Oil Co., 417 South Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—Harman - Pacific Co., 7 Front Street. $5000

WAREHOUSE
(419) SW 16th and ILLINOIS; one-story frame warehouse.
Owner—Rio Grande Oil Co., 417 South Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—Harman - Pacific Co., 7 Front Street. $2500

STORE
(420) NE CHESTNUT and Avila Sts.; complete stores.
Owner—Martin Stelling, Jr., % contractor.
Architect—F. E. Lloyd, 360 Pine St.
Contractor—Young & Horstmeyer, 461 Market St. $1800

ADDITION
(421) 2226 29th AVENUE; addition to dwelling.
Owner—H. D. Skillin, 2226 29th Ave.
Architect—Not Given.
Contractor—Brockhage and Foley, 666 Mission Street. $1865

ALTERATIONS
(423) 2249-2250 LOMBARD ST.; alter flats.
Owner—T. H. Fredericksen, 3029 Fillmore Street.
Architect—Not Given. $2500

DWELLING
(423) E CAYUGA 175 S Tingley; one-story and basement frame dwelling.
Owner—Claude T. Lindsay, 4363 26th Street.
Architect—Not Given. $3000

ALTERATIONS
(424) 440 BROADWAY; alter cafe.
Owner—Caesar Martinelli, 440 Broadway.
Architect—Not Given.
Contractor—S. A. Giusti & Co., 200 Green Street. $1000

STATION
(425) NE THIRTY-THIRD AVE. & Geary St. One-story Class B service station
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Not Let. $5000

GARAGE
(426) NO. 10 TWENTY-SECOND Ave. One-story and part basement private garage.
Owner—Mr. and Mrs. Chalmer Graham, Premises.
Architect — Gardner A. Dailey, 210 Post St., San Francisco.
Contractor — H. H. Larsen Co., 64 South Park, San Francisco. $2000

ALTERATIONS
(427) NO. 726 COLE ST. Alter dwelling.
Owner—S. M. Coggins, 728 Cole St., San Francisco.
Architect—Not Given. $1000

DWELLING
(428) NE INNES 225 S Donahue St Two-story and basement frame dwelling.
Owner—Georgina Pacheco, 1746 Harrison St., San Francisco.
Architect—Not Given. $1800

ADDITION
(429) NO. 2565 LARKIN ST. Add to dwelling.
Owner—Dr. H. C. Noffziger, Premises
Architect—Not Given.
Contractor—D. Bienfield, 666 Mission St., San Francisco. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
351	Central	Thrams	4950
352	Thorpe	De Vilbiss	1000
353	Clark	Muller	1800
354	Cannata	Owner	1000
355	Elfstrum	Owner	1200
356	Rodriques	Tollefson	2885
357	Muenter	Kraft	2800
358	Viara	Early	1000

ALTERATIONS
(351) NO. 366 TO 376 FOURTEENTH St., **OAKLAND.** Interior alterations.
Owner — Central Bank of Oakland, 14th and Broadway, Oakland.
Architect—Ray F. Keefer.
Contractor—C. H. Thrams, 28 Home, Place, Oakland. $4950

REPAIRS
(352) NO. 386 JAYNE AVEUNE, **OAKLAND.** Fire repairs.
Owner—Edgar A. Thorpe, Premises.
Architect—Not Given.
Contractor — C. D. DeVilbiss Co., 354 Hobart St., Oakland. $1000

FINISH
(355) SW TWENTY-SECOND AND Broadway, **OAKLAND.** Interior finish.
Owner—Jerome Clark.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg.
Contractor—F. A. Muller, 805 Syndicate Bldg., Oakland. $1800

DWELLING
(354) NO. 2329 BONAR ST., **BERKELEY.** One-story 4-room frame dwelling.
Owner — Tony Cannata, 2331 Bonar St., Berkeley.
Architect—Not Given. $1000

DWELLING
(355) 145 ATHOL AVE., **OAKLAND;** two-story 3-room dwelling.
Owner and Builder—Mrs. Adele Elfstrum, 145 Athol Ave., Oakland.
Architect—Not Given. $1200

DWELLING
(356) NO. 1933 THIRTY - EIGHTH Ave., **OAKLAND.** One and one-half-story 5-room dwelling.
Owner—M. Rodriques, 2715 41st Ave., Oakland.
Architect—Not Given.
Contractor—C. Tollefson, 3311 E-17th St., Oakland. $2885

ALTERATIONS
(357) NO. 1819 THOUSAND OAKS Blvd., **BERKELEY.** Alterations and additions.
Owner—August F. Muenter, Prem.
Architect—Not Given.
Contractor — Kraft & Patrick, 1895 San Juan St., Berkeley. $2800

REPAIRS
(358) NO. 316 SIXTY-THIRD ST., **OAKLAND.** Fire repairs.
Owner—A. Viara, Premises.
Architect—Not Given.
Contractor—Fred J. Early Jr., 366 40th St., Oakland. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
80	Stelling	Young	2845
81	Roos	Seymour	2105
82	Pacific	Collman	4089

STORE BUILDING
(80) NE CHESTNUT AND AVILA Sts. 2062 Chestnut St. All work for completion of stores Nos. 3 & 4 and finish store fronts.
Owner—Martin Stelling Jr., 155 New Montgomery St., San Francisco.
Architect—Francis E. Lloyd, 360 Pine St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Filed Aug. 30, '34. Dated Aug. 30, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $2845
Bond, $2345. Surety, American Bonding Co. of Baltimore. Limit, 15 working days. Forfeit, none. Plans and specifications filed.

IMPROVEMENTS
(81) MARKET and STOCKTON Sts.; build store fixtures and other interior finish in building occupied by Roos Bros., Inc.
Owner—Roos Bros., Inc., Market and Stockton Streets.
Architect — Albert R. Williams, 251 Post Street.
Contractor—Seymour Showcase & Fixture Corp., 604 Mission St.

Filed Sept. 1, '34. Dated, Aug. 29, '34.
When work is completed.. ..... $1405
Usual 35 days 700
TOTAL COST, $2105
Limit, On or before Sept. 14. Plans and specifications filed.

ALTERATIONS
(82) 21st FLOOR of Bldg. at 140 New Montgomery St.; alterations on 21st floor.
Owner—The Pacific Telephone & Telegraph Co., premises.
Architects—J. R. Miller and T. L. Pfleuger, 580 Market Street.
Contractor—A. D. Collman, 666 Mission Street.
Filed and Dated, August 31, 1934.
On completion 75%
40 days after completion..... 25%
TOTAL COST, $4,089.00
Bond, $2044.50. Sureties, Pacific Indemnity Co. Limit, on or before Oct. 1, 1934. Plans and Spec. filed.

SAN FRANCISCO UNDER $1000

ALTER stores and dwelling, $500; 2206 Polk St.; owner, C. M. Bude, 2212 Polk St.
ALTER store, $500; 6439 California; owner, Anton Hofman, 6443 California St.
ALTER store, $350; 853 Van Ness Ave.; owner, Carl Eggers, Prem.
SIGN, electric, $75; 3158 Mission St.; owner, Dare's Clam House, 3158 Mission St.; contractor, QRS Neon Corp., 690 Potrero Ave.
BARBER pole, $23; 4102 Geary Blvd. owner, Helena Lerison, 1204 Geary
SIGN, electric, $250; 4744 Third St.; owner, Leon's Buffet, Premises; contractor, Brumfield, 965 Folsom
BILLBOARD, $6.25; W Valencia St. 135 N 16th St.; owner, Foster & Kleiser Co., 1675 Eddy St.
ALTER flat, $600; 1371 Waller St.; owner, J. H. Holm, 1373 Waller.
ALTER dwelling, $750; 3570 21st St., owner, H. Gunnison, 6428 Hillegass Ave., Oakland; contractor, Fred J. Early Jr., 369 Pine St.
SIGN, electric, $125; 2020 Fillmore; owner, Greggaino, 2020 Fillmore St.; contractor, QRS Neon, 690 Potrero Ave.
ALTER flat, $100; 871 Alabama St.; owner, E. Varni, Premises; contractor, G. Capelletti, 1020 Florida St.
SHED, $12; 1310 Steiner St.; owner, J. A. Twohig, Premises.
ALTER apartments, $900; SE 25th and York Sts.; owner, Gaetano Lo Castro, 2897 Bryant St.; architect, Donnel E. Jackel, 714 Call Bldg.; contractor, G. Carraro & Sons, 750 Felton St.
SIGN, electric, $100; 702 La Playa St. owner, The Surf, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.
SIGN, electric, $75; 931 Larkin St.; owner, Cedar Inn, Premises; contractor, QRS Neon, 690 Potrero.
ALTER storage room, $250; 2834 Mission St.; owner, T. Custervich, 2834 Mission St.
REPAIR fire damage to dwelling, $950 720 Capp St.; owner, Mr. and Mrs. W. V. Lodge, Premises; contractor, Gustave Anderson, 134 Halleck St.
SIGN, electric, $350; 1957 Chestnut St. owner, The Mayfair, Premises; contractor, Brumfield, 965 Folsom
SIGN, electric, $75; 3613 Sacramento St.; owner, Golden Rule Cleaning & Dyeing Works, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $150; 67 Fourth St.; owner, Zlodi Bros. Dairy Lunch, 67 4th St.; contractor, American Elec. Sign Co., 1740 Eddy St.
ALTER dwelling, $800; SE Arguello Blvd. and Balboa St.; owner, Walter Hanson, 3 Bolboa St.; contractor, Hanson Bros., 5840 Mission St.
ALTER dwelling, $500; 2820 Baker; owner, E. A. Todhunter, 2424 Larkin St.; contractor, George C. Todhunter, 1085 Ashbury St.
SIGN, electric, $125; 532 Kearny St. owner, Julia's Buffet, Premises; contractor, QRS Neon Corp., 690 Potrero Ave.
ALTER apartments, $10; 1895 Jefferson St.; owner, Kathleen E. Fawcett, 519 Pine St.
STUCCO dwelling, $99.15; 1381 5th Ave.; owner, R. D. Pence, Prem.; contractor, N. Hallstrom, 34 Hallstrom, 34 Fountain St.
ALTER apartments, $100; 1100 Gough St.; owner, Childrens' Agency of San Francisco, Premises.

ALAMEDA COUNTY UNDER $1000

SIGNS (3) metal, $25 each; NE 23rd St. and Broadway, Oakland; owner, S. A. Scherer, Premises.; contractor, Davis L. Kampling, 337 11th St.
SIGN, electric, $100; 412 20th Street, Oakland;! owner, A. E. Chandler, Prem.; contractor, Electric Product Corp., 950 30th St.
ADDITION, $125; 9725 E-14th Street, Oakland; owner, P. Giancioli, 9725 E-14th St.; contractor, Joe Benassini, 620 51st St.
RE-ROOFING, $120; 1529 24th Ave., Oakland; owner, Joe De Gama, Prem.; contractor, New Art Roofing, 1311 Fruitvale Ave.
ALTERATIONS and repairs, $228; 970 44th St., Oakland; owner, T. J. McDermott; contractor, Robt. Beck, 551 63rd St.
SIGN, electric, $50; 3314 Piedmont Ave., Oakland; owner, Bloom Buffet, Premises; contractor, Radiant Neon Displays, 2561 San Pablo Ave.
SIGN, cloth, $10; NE Tenth St. and Broadway, Oakland; owner, State Loan Office Ltd., Premises; contractor, Davis & Kampling, 337 11th Street.
SIGN, electric, $150; 2537 Telegraph Ave., Oakland; owner, Winedale Liquor Co., Premises; contractor, Imp Elec. Sign Co., 2228 Myrtle.
ADDITION, $100; 522 E-22nd Street, Oakland; owner, H. Ruedy, Prem. contractor, B. F. Wooley, 3933 Fruitvale Ave.
OFFICE building, $125; 6872 Foothill Blvd., Oakland; owner, D. M. Jones, Premises.
ADDITION, $85; 95 Bayo Vista Ave., Oakland; owner, J. W. Garthwaite, Premises.
SHED, frame, $50; 6325 College Ave., Oakland; owner, G. A. Scott, 685 23rd Street.
CONCRETE steps, $33; 4104 San Leandro St., Oakland; owner, Mrs. Portello, 582 39th Ave., San Francisco; contractor, M. Medls, 2427 Scenic Ave.
SIGN, metal, $5; 1723 E-12th Street, Oakland; owner, H. & R. Wood Yard, Premises.
BILLBOARD, $125; E-14th St. and 24th Ave., Oakland; owner, Associated Oil Co., 2395 Webster St.; Alameda; contractor, Phoenix Advertising Co., 1101 Howard St., San Francisco.
SIGN, electric, $125; 447 14th Street, Oakland; owner, Ray V. Erickson, Premises; contractor, Imp Electric Sign Co., 2228 Myrtle St.
SIGN, electric, $90; 2702 Park Blvd., Oakland; owner, V. Russello, Premises; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
SIGN, electric, $100; 423 13th Street, Oakland; owner, Dick's Buffet, Premises; contractor, Elec. Prod. Corp., 950 30th St.
FIRE repairs, $350; 2224 4th Street, Berkeley; owner, John Browning, Premises; contractor, I. W Coburn, 2048 Market St., S. F.
ALTERATIONS, $125; 1447 Walnut St., Berkeley; owner, Society of Friends, Premises.
ALTERATIONS, $350; 89 Southampton, Berkeley; owner, Mrs. G. M. Smith, Premises.
RE-GRAVEL roof, $360; 21st & Grove Sts., Oakland; owner, St. Francis De Salles School, Prem.; contractor, N. V. Heathorne, 354 Hobart Street.

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BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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11.—Ice and Cold Storage Plants
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16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Bids Wanted — To Close Sept. 14, 7:30 P. M.

SCHOOL REPAIRS Cost, $18,000
LOS GATOS, Santa Clara Co., Cal.
Repairs and reconstruction of Elementary school (timber frame building) carpentry work, some structural steel, etc.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Plans and specifications may be obtained from the Principal of the School District upon deposit of $10.

PLANS COMPLETE

VAN NUYS, Los Angeles Co., Cal. — Henry B. Watson, 1145 W. Kensington Road, Los Angeles, completed plans for an auditorium and classroom addition to a church at 6500 Sylmar Ave., Van Nuys, for First Baptist Church of Van Nuys; Thomas Briggs, chairman of the building committee, 14,744 Archwood St., Van Nuys. Bids will probably be taken within a few days. Addition will be a two-story, frame and stucco structure, 100x100 feet in area, with Mission tile and composition roof. Cost, $30,000.

4 — FACTORIES & WAREHOUSES

BIDS OPENED

SILOS Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. W Seventh St., Channel 3, Long Beach Harbor.
Reinforced concrete silos (each 25-ft. in dia., 60 ft. high, interstational bins, treatment mill, warehouse and packing house).
Owner—Santa Cruz Portland Cement Co. (George Cameron, President) Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner (R. A. Kinzier, Chief Engineer).
Low Bidder—L. E. Dixon, 609 South Grant St., Los Angeles.
Complete bids follow:

L. E. Dixon, Los Angeles	$78,980
Sarver & Zoss, Los Angeles	91,400
E. S. McKittrick, Huntington Park	92,675
Herbert M. Baruch, L. A.	93,408
Pan Pacific Piling & Constr. Co., Wilmington	94,320
Meyer Bros., Los Angeles	95,782
Lindgren & Swinerton, L. A.	98,740
R. H. Campbell, L. A.	117,500

Bids held under advisement.

Plans Being Completed.

PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Cal. Port of Stockton Wharf.
One-story corrugated iron shipside plant (500 feet long by 78 feet wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary), 16 California St., San Francisco.
Plans by Engineering Dept. of Owner.
Bids will be asked in two or three weeks.

FIRE LOSS

VALLEJO, Solano Co., Calif.—Fire destroyed the Sperry Milling Company's plant Aug. 30. Damage is estimated at $250,000.

Contract Awarded.

WAREHOUSE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. No. 325 E. Taylor Street.
One-story frame warehouse.
Owner — San Jose Wholesale Fruit Co., Premises.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Contractor—Joseph Santi, 545 Madera Ave., San Jose.

Plans Completed.

PRINTING PLANT Cost, $——
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
Three-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth St., S. F.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Bids will be asked by the owner within one week.

Contract Awarded.

ADDITION Cost, $——
LODI, San Joaquin Co., Cal.
Construct Old-world champagne manufacturing refrigerated room and cellars at winery.
Owner—Roma Wine Co., Lodi.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor — Louis Franceschi, 1990 Beach St., San Francisco.

5— FLATS

To Be Done By Day's Work.

ALTERATIONS Cost, $3000
SAN FRANCISCO. No. 2249-2259 Lombard Street.
Alterations to frame flats.
Owner and Builder—T. H. Fredericksen, 3029 Fillmore St., San Francisco.
Architect—Not Given.

6—GARAGES & SERVICE

BIDS WANTED

FORT PECK, Montana — Until September 21, 12 Noon, bids will be received by War Department, Office of Division Engineer, 707 Postal Telegraph Bldg., Kansas City Mo., for construction of 43 garage buildings at the site of the proposed Fort Peck construction camp, Montana. Plans and specifications may be obtained at the office of the engineer in Kansas City upon deposit of a certified check or postal money order for $100, payable to the Disbursing Officer, U. S. Engineer Office, Kansas City, Mo.

Contract Awarded.

SERVICE STATION Cost, $11,000
MONTEREY, Monterey Co., Cal. SE Del Monte Ave. and Washington Street.
Brick service station (stucco work, etc.)
Owner—Standard Oil Co., St. Claire Bldg., San Jose.
Plans by Engineering Dept. of Owner.
Contractor—M. J. Murphy, Carmel.

Contract Awarded.

SERVICE STATION Cost, $11,000
WATSONVILLE, Santa Cruz Co., Cal. Lake and Main Sts.
Steel super-service station.
Owner — Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Empire Constr. Co., Shell Bldg., San Francisco.
Steel—Independent Iron Works, 821 Pine St., Oakland.

Contract Awarded

GARAGE Cost, $2000
SAN FRANSCISCO. 10 22nd Avenue.
One-story private garage.
Owner—Chalmer Graham, 10 22nd Ave.
Architect—Gardner Dailey, 210 Post.
Contractor—H. H. Larsen Co., 64 So. Park.

Plans Completed.

SERVICE STATION Cost, $6000
SAN FRANCISCO. NE Thirty-third Ave. and Geary Blvd.
One-story Class B service station.
Owner—Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.

7—FEDERAL BUILDING

Bids Wanted—To Close October 15, 1 P. M.

COMPLETE POST OFFICE $24,000
LONG BEACH, Los Angeles Co., Cal.
Finishing fourth, fifth, six and seventh floors of Long Beach Post Office.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon depoist of $15.

LOW BIDDERS

LUALUALEI, T. H.—E. E. Black, Honolulu, T. H., at $566,000 (item 1) and $553,000 (item 2) submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of buildings, roads and services at the Naval Radio Station, Lualualei, T. H. Spec. 7525. Second low bid was submitted by the Wm. MacDonald Constr. Co., St. Louis, Mo., at $576,000 (item 1) and $565,100 (item 2).

CONTRACT AWARDED

MARCH FIELD, Riverside Co., Cal. —DeCamp - Hudson Co., 1277 W 24th St., Los Angeles, awarded contract by the War Department at $8841 (items Nos. 1, 3 and 4) for the construction of ordnance magazines at March Field. Bids were opened by the Constructing Quartermaster at March Field July 24.

Bids Wanted — To Close October 12, 1 P. M.

POST OFFICE Cost, $73,700
REDONDO BEACH, Los Angeles Co.
Construct new Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept. Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.

ADDITIONAL PROSPECTIVE BIDDERS

PEARL HARBOR, T. H. — Lord Electric Co., 105 W. 40th St., New York City, and Graybar Electric Co., 420 Lexington Ave., New York City.

have procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on October 3, for construction of an electrical distribution system at the Repair Basin, Pearl Harbor, T. H. Spec. No. 7604. Cost, $300,000.

Low Bidders.

POST OFFICE Cost, $——
COLTON, San Bernardino Co., Cal.
One-story and part basement Post Office building (65x70 feet) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains, cork carpet, one-pile, low pressure heating system, etc.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Low Bidder — Oliver S. Almlie, 60 Sussex St., San Francisco.
Three low bids follow:
Oliver S. Almlie, San Francisco $32,900
L. F. Dow Co., Los Angeles.... 41,716
Wm. MacDonald Constr. Co., St. Louis, Mo. 45,716

Contract Awarded.

QUARTERS Cont. Price, $25,850
SAN FRANCISCO. Quarantine Station Angel Island.
Shingle attendants' quarters and mess (two-story frame, Colonial type; 55x30 ft. with wing 30x19); shingle roof, concrete foundation, asphalt paving in yard, plumbing, heating and electrical.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect, Treasury Department.
Contractor—Fred J. Early, 369 Pine St., San Francisco.

CONTRACT AWARDED

PEARL HARBOR, T. H.—J. B. Eurell, Phiaiedlphia, at $11,200 awarded contract by Bureau of Yards & Docks, Navy Dept., Washington, D. C., for fire proof ceilings in storehouse extension at the Naval Fleet Air Base, Pearl Harbor, T. H.; Spec. No. 7700.

PROSPECTIVE BIDDER

SANTA CLARA, Santa Clara Co., Calif.—Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis, has procured plans for the purpose of submitting a bid to the U. S. Treasury Department on Sept. 27 for the construction of the Post Office building in Santa Clara. Cost, $40,500.

COMPLETE BIDS

SILVER CITY, New Mexico. — As previously reported Robert E. McKee, El Paso, Texas, at $41,300 submitted low bid to the Treasury Department, Washington, D. C., for the construction of a new post office building in Silver City.
Complete bids follow:
Robt. E. McKee, El Paso.....$41,300
Wm. MacDonald Co., St. Louis.. 42,579
F. R. Comb Co., Minneapolis.... 42,850
Murch Bros., St. Louis..... 42,873

CONTRACT AWARDED

YUMA, Arizona — Carrier Engineering Corp., 748 E. Washington Blvd., at $18,280 awarded contract by Treasury Department, for an air conditioning system to be installed in the U. S. Post Office, Yuma, Ariz.

PROPERTY SELECTED

SAN MATEO, Cal.—Treasury Department has selected property on the southwest corner of Ellsworth and Second Aves., San Mateo, as the site for the United States Post Office to be erected in this city. The site covers an area of 110x155 feet.

Bids Wanted—To Close October 4, 1 P. M.

POST OFFICE Cost, $68,200
PITTSBURG, Contra Costa Co., Cal. Fifth and Cumberland Sts.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Department, Washington, D. C.
Plans and specifications obtainable from Treasury Department, Washington, D. C., upon deposit of $15.

Bids Wanted — To Close October 12, 1 P. M.

POST OFFICE Cost, $59,400
LA JOLLA, San Diego Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the Treasury Department, Washington, D. C., upon deposit of $15.

Bids Wanted—To Close September 25, 1 P. M.

POST OFFICE Cost, $56,300
MONTESANO, Washington.
United States post office building.
Owner—United States Government.
Plans by Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the Treasury Department, Washington, D. C.

BIDS OPENED

FORT LEWIS, Wash.—Reuter Organ Co., Lawrence, Kas., submitted low bid at $4,149 to Constructing Quartermaster, Fort Lewis, for the construction of a pipe organ in the chapel at Fort Lewis.
Complete bids follow:
Reuter Organ Co., Lawrence, Kansas $4,149
M. T. Moller, Hagerstown, Mo..... 4,150
Geo. Kilgen & Son, St. Louis..... 4,350
Bids held under advisement.

LOW BIDDER

PEARL HARBOR, T. H.—J. B. Eurell, Philadelphia, Pa., submitted low bid to Bureau of Yards and Docks at $11,200 on item 1 and $14,000 on item 2, for fireproof ceilings in storehouse extension at the Naval Fleet Air Base, Pearl Harbor, T. H.; Specification 7700.

SITE SELECTED

SEBASTOPOL, Sonoma Co., Cal.—Treasury Department has selected site located on South Main Street for the proposed new Post Office Building for Sebastopol, estimated to cost $59,500. Further details will be announced shortly.

BIDS OPENED

SILVER CITY, New Mexico—Busard - Nelson Co., Washington, D. C., at $133 submitted low bid to Treasury Department for plaster models for the U. S. Post Office at Silver City, New Mexico. Only other bid was submitted by Anthony D. Lorenzo, New York City, at $150. Bids held under advisement.

Sub-Contracts Awarded.

SAN FRANCISCO, Cal.—Harry W. Oser and W. C. Akard, Hobart Bldg., awarded the following sub-contracts for the construction of additions to the finance office building No. 19, at Fort Mason, San Francisco. Cost, $7444.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St.
Electric—Strom & Smith, 1077 Valencia Street.
Heating and Plumbing—Thos. Skelly 1344 Ninth Avenue.
Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts.
Painting—R. P. Paoli, 3159 Fillmore Street.

COMPLETE BIDS

SUMMITT, Canal Zone—As previously reported, H. B. Nelson Construction Co., Red Rock Bldg., Atlanta, Ga., at $401,660 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of buildings, rodas, services, etc., at the Naval Radio Station, Summitt, Canal Zone. Specification No. 7415.
Complete bids follow:
Alternate proposals are for omitting certain buildings, etc. Alternate No. 7 is an addition, all others deductions:

H. B. Nelson Const. Co., Atlanta, Ga.	(1)	$401,661
	(2)	383,663
	(3)	365,715
	(4)	333,023
	(5)	300,587
	(6)	275,889
	(7) $775.00 to	2,000
	(8)	368,969
	(9)	350,971
	(10)	318,535
	(11)	293,837
Tucker McClure, Cristobal, Canal Zone	(1)	414,000
	(2)	400,000
	(3)	388,000
	(4)	362,200
	(5)	332,500
	(6)	297,900
	(7) $800.00 to	2,300
	(8)	390,300
	(9)	376,800
	(10)	353,100
	(11)	320,100
Novey & Luttrell, Cristobal	(1)	434,861
	(2)	416,635
	(3)	399,155
	(4)	377,480
	(5)	341,750
	(6)	310,220
	(7) $600.00 to	1,800
	(8)	405,361
	(9)	386,305
	(10)	352,475
	(11)	329,600
Grebien & Martinz, Panama	(1)	483,236
	(2)	461,171
	(3)	440,165
	(4)	406,345
	(5)	368,637
	(6)	340,657
	(7) $1160 to	2,830
	(8)	449,416
	(9)	427,741
	(10)	394,132
	(11)	365,904
W. P. Thurston Co., Inc. Richmond, Va.	(1)	496,000
	(2)	478,000
	(3)	460,000
	(4)	425,000
	(5)	386,000
	(6)	360,000
	(7)	3,000
	(8)	460,000
	(9)	440,000
	(10)	406,000
	(11)	380,000

Bids held under advisement.

CONTRACT AWARDED

SAN JOSE, Santa Clara Co., Cal.—Aeroshade Company, at $140 awarded contract by Post Office Supply Dept. for furnishing Venetian blinds for the U. S. Post Office, San Jose. Proposal No. 207.

CONTRACT AWARDED

DAYTON, Wash.—Federal Equipment Company, at $518 awarded contract by Post Office Supply Department for screen line equipment for the U. S. Post Office at Dayton, Washington.

Bids Wanted — To Close September 25, 1 P. M.
POST OFFICE Cost, $56,300
MONTESANO, Washington.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Department, Washington, D. C. Plans and specifications may be obtained from the Treasury Department, Washington, D. C., upon deposit of $15.

Bids Wanted — To Close October 12, 1 P. M.
POST OFFICE Cost, $64,900
Orange, Orange Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Department, Washington, D. C. Plans and specifications may be obtained from the Treasury Department, Washington, D. C., upon deposit of $15.

SITE SELECTED
HUNTINGTON PARK, Los Angeles Co., Cal.—Treasury Department has selected property on the southeast corner of Seville and Zoe Avenues, Huntington Park, as the site for the United States Post Office to be erected in that city. The site covers an area of 150x150 feet.

CONTRACT AWARDED
SAN FRANCISCO — Jamestown Metal Equipment Co., at $6889.20 awarded contract by Treasury Supply Division, for furnishing and installing metal shelving for Post Office Building, San Francisco. Proposal No. 294.

ADDITIONAL PROSPECTIVE BIDDERS
SAN FERNANDO, Los Angeles Co., Calif.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to Treasury Dept., Washington, D. C., on Sept. 14 for the construction of a post office building at San Fernando:
A. Smith & Co., 100 N. La Salle St., Chicago.
N. A. Anderson, 4307 San Bures St., Los Angeles.
Oliver S. Aimlie, 60 Sussex St., San Francisco.
Campbell Const. Co., 951 Genessee Ave., Los Angeles.
Eastern Contracting Co., 10 North Calvert St., Baltimore, Md.

BIDS WANTED
SEATTLE, Wash.—Bids are being received by the Custodian, Federal Office Bldg., Seattle, for alterations to third floor of the U. S. Federal Bldg. in Seattle.

8— CLUB BUILDINGS

Sub-Contracts Awarded.
ALTER CLUB Cost, $200,000
SAN FRANCISCO. Post St., between Taylor and Mason Sts.
Alterations and addition to club building (addition over gymnasium retile swimming pool, showers, new grille, enlarge cafe, cleaning front of building, decorating, carpeting, etc.)
Owner—Olympic Club, Premises.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Consulting Architects—John A. Bauer Arthur Brown Jr. and John Bakewell, 251 Kearny St., S. F.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.
Structural Steel—Judson Pacific Co., 609 Mission St., San Francisco.
Roofing — J. W. Bender Roofing Co., 18th and Bryant Sts., S. F.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco.
Glass and Glazing — Habenicht & Howlett Glass Co., 529 Clay St., San Francisco.
Exterior Stone Work — McGillvrary Raymond Corp., 3 Potrero Ave., San Francisco.
Gunite—Cement Gun Constr. Co., 85 Second St., San Francisco.
As previously reported, mechanical work awarded to Alta Electric & Mechanical Co., 467 O'Farrell St.; tile work to Malott & Petersen, 20th and Harrison Sts.; mill work to Pacific Mfg. Co., Monadnock Bldg.; plastering to Peter Bradley, 639 Brannan St.

Contract Awarded
CLUB Cost, $12,000
OAKLAND, Alameda Co., Calif. Forty-eighth St. and Shattuck Ave.
One-story frame and stucco club bldg. (100x200) part mezzanine, including auditorium (57x75 feet) stage bowling alley, handball court, gymnasium.
Owner—Ligure Hall Assn. (J. B. Ginochio, Pres., 676 45th St., Oakland; Jos. Brignole, 4919 Telegraph Ave., Oakland, Secretary).
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor — E. Campomenosi, 6401 Broadway Terrace, Oakland.

9— HOSPITALS

BIDS OPENED
SAN FRANCISCO. — American Art Tile Co., 231 Franklin St., at $110.72 submitted low bid to Material Officer, U. S. Marine Hospital, for repairs of both ceramic and glazed tile in certain sections in the Marine Hospital, 14th Ave. and Lake St. Complete bids follow:

American Art Tile Co.	$110.72
Malott & Peterson	178.00
Cantrell Tile Co.	201.00
T. J. Lamey & Son	245.00
Mangrum & Holbrook	284.00

Bids held under advisement.

BIDS WANTED
MURPHY, Calaveras Co., Cal.—Until Sept. 24, 1:30 P. M., bids will be received by Recording Secretary, Bret Harte Sanatorium, for construction of a group of porches, taking up old and laying new floors, replacing sills, joists and posts, installing ninety new concrete piers and posts under building at Bret Harte Sanatorium near Murphy. Plans and specifications prepared by Business Supt. of the Sanatorium and may be procured from the Purchasing Agent, County Courthouse, Stockton, Calif.

Contract Awarded.
ADDITIONS Cont. Price, $5969
MARYSVILLE, Yuba Co., Cal. Fourteenth and J Streets.
Refinishing and improvements to buildings for new men's ward and new isolation ward (brick walls, cement and plaster exterior, alterations and additions to heating plant).
Owner—Yuba County (F. W. Loehne, Chairman of the Board).
Architect — Charles Dean, California State Life Bldg., Sacramento.
Contractor — Curt A. Otto, 823 12th St., Marysville.
Only other bid was submitted by Chell & Triplett, Marysville, at $7,806.92.

12— POWER PLANTS

SUB-BIDS WANTED
CAMARILLO, Ventura Co., Calif.—L. A. Geisler, 6212 Middleton Street, Huntington Park, desires subcontract bids on all trades to be incorporated in a general bid he will submit to State Architect George B. McDougall September 18 for the erection of boiler plant at Camarillo State Hospital.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

COMPLETING PLANS
SANTA ANA, Orange Co., Calif — Architects W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, are completing plans for the new city hall building to be erected at Third and Main Sts., Santa Ana. Plans will be submitted to the PWA for approval about Sept. 15. Will be a 3-story and basement Class B structure. Cost is $105,000.

Bids Wanted.
FIELD HOUSE Cost, $9000
SAN FRANCISCO. Thirty-eighth Ave and Fulton St. Playground.
One-story frame and stucco five-room fieldhouse (assembly room, storeroom and office; two lavatories; asbestos shingle roof).
Owner—City and County of San Francisco (Recreation Commission).
Architect—W. G. Merchant, 406 Russ Bldg., San Francisco.
Following have procured plans:
Young & Horstmeyer, 461 Market Street.
Fred Du Puy, 110 Sutter St.
M. E. Vukicevich, 666 Mission St.
J. Harold Johnson, 639 Brannan St.
Stoneson Bros., 1630 Ocean Ave.
J. Prout, 2530 Fillmore St.
Einar C. Petersen, 1290 Hayes St.
Peter Sartorio, 666 Mission St.
Barrett & Hilp, 918 Harrison St.
Anderson & Ringrose, 320 Market.
Frank J. Reilly, 6350 Fulton St.
J. A. Bryant, Call Building.
Joel Johnson, 1614 Church St.
Harry Oser, Hobart Bldg.
Thomas Cuthbertson, 430 Noreiga Street.
Date of opening bids not yet set.
Bids will be received at Room 370, City Hall, Office of the Recreation Department. Drawings and specifications obtainable on deposit of $20. 1st report Aug. 14; 2nd Aug. 23, 1934.

14— RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $3824
SALINAS, Monterey Co., Cal. Chestnut Street.
One-story frame residence, shingle roof, floor furnaces.
Owner—Mr. Hoffman, Salinas.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Fred Carlsen, 336 Lincoln Ave., Salinas.
Heating and Plumbing—A. D. Hargis Co., Main St., Salinas.
Electric Wiring—Salinas Elec. Works, Main St., Salinas.
Mill Work — Salinas Planing Mill, Market St., Salinas.
Ornamental Iron—Engfer Iron Works 535 W. San Carlos St., San Jose.
Sheet Metal—A. D. Hargis Co., Main St., Salinas.
Plastering—L. C. Jorgensen, Orange Drive, Salinas.
Tile Work—Tynan Roof & Tile Co., Salinas.
Lumber—Tynan Lumber Co., Salinas.
Brick Work—Chas. Hoosier, Market St., Salinas.

Bids Wanted—To Close Sept. 10, 12 Noon.
SAN FRANCISCO. No. 2755 Vallejo Street.
Alterations to frame flats (remodel interior and exterior).
Owner—Ora Hyde.
Architect — Fred Reimers, 233 Post St., San Francisco.
Fred Du Puy, 110 Sutter St., is figuring the plans and desires sub-bids on all portions of the work.

Additional Contracts Awarded.
RESIDENCE Cost, $18,000
PALO ALTO, Santa Clara Co., Cal. No. 27 Crescent Drive.
Two-story and basement frame and stucco residence (10 rooms and 3 baths); tile roof, gas heating system, hardwood and tile floors, etc.
Owner—Mrs. Anna Maskey, Los Altos
Architect — Gardner Dailey, 210 Post St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Mill Work—Brannan Street Planing Mill, 560 Brannan St., San Francisco.
Plumbing—Dowd & Welch, 3558 16th St., San Francisco.
Other awards will be made shortly.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN FRANCISCO. W Divisadero St. 112 N Greenwich St.
Three-story and basement frame and stucco residence.
Owner—J. B. Molinari, 436 Laurel St. San Francisco.
Architect—Not Given.
Contractor—Tony D'Amico, 2345 Polk St., San Francisco.

Contract Awarded.
GRAND COULEE, Wash.—National Constr. Co., 306 Rust Bldg., Tacoma, Wash., at $94,80 awarded contract by U. S. Bureau of Reclamation, Spokane, for the construction of fourteen three-room and sixteen four-room residences at the Government Camp, Grand Coulee Dam.

Contracts Awarded
REPAIR RESIDENCE Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 1225 Hanchett Avenue.
Repairs to residence.
Owner—L. O. Normandin, premises.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave,. San Jose.

To Be Done By Day's Work
RESIDENCE Cost, $5,000
SAN JOSE, Santa Clara Co., Cal. 176 N 31st Street.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—V. J. Sunzeri, 176 N 31st St., San Jose.
Plans by Owner.

September 5, 1934

Plans Being Prepared.
RESIDENCE Cost, $5000
SANTA ROSA, Sonoma Co., Cal. Olivet District.
One-story and basement frame and stucco residence (5 rooms).
Owner—C. R. Sweet, 445 Carrillo St., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded.
ALTERATIONS Cost, $3000
BERKELEY, Alameda Co., Cal. No. 1819 Thousand Oaks Blvd.
Alterations and addition to residence.
Owner—August F. Muenter, Premises
Architect—Not Given.
Contractor—Kraft & Patrick, 1895 San Juan St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 1933 38th Avenue.
One and one-half-story frame and stucco residence (5 rooms).
Owner—M. Rodriques, 2715 41st Ave., Oakland.
Architect—Not Given.
Contractor—C. Tollefson, 3311 E-17th St., Oakland.

Contract Awarded.
ADDITION Cost, $2000
SAN FRANCISCO. No. 2226 Twenty-ninth Avenue.
Addition to residence.
Owner—H. D. Skilling, Premises.
Architect—Not Given.
Contractor—Brockhage & Foley, 666 Mission St., San Francisco.

To Ask Bids.
RESIDENCE Cost, $5000
SANTA ROSA, Sonoma Co., Cal. Outside City Limits.
One-story and basement frame and stucco residence (5 rooms).
Owner—John Rued, Woolsey Station, Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
REPAIR RESIDENCE Cost, $1500
OAKLAND, Alameda Co., Calif. 316 63rd Street.
Repair fire damage to residence.
Owner—A. Viara, 316 63rd St., Oakland
Architect—Not Given.
Contractor—Fred. J. Early, Jr., 364 Pine St., San Francisco

Plans Being Prepared
RESIDENCE Cost, $3500
PLEASANTON, Alameda Co., Calif.
One-story frame and stucco residence (4 rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Calif. 440 Grizzly Peak Blvd.
Two-story frame and stucco residene (6 rooms).
Owner—A. R. Mattke.
Architect—Not Given.
Contractor—S. M. Shapero, 1849 Arch St., Berkeley.
Plastering—Wm. Marietti, 1203 Stannage Ave., Albany.
Electric Wiring—George Hansen, 4175 Mountain View Ave., Oakland.
Plumbing—Charles W. Knights, 1436 Grove St., Berkeley.
Concrete—Ensor Buel, 2927 Lorina St., Berkeley.

Bids Opened.
RESIDENCE Cost, $——
TIBURON, Marin Co., Cal. Corinthian Island.
Two-story and basement frame and stucco residence (8 rooms and 3 baths and garage); social hall, bar; shake roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Vincent F. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Low Bidder—Moore & Roberts, 693 Mission St., San Francisco.
Complete bids follow:

Moore & Roberts	$13,190
P. Sartorio, San Francisco	13,612
R. F. Galway, San Francisco	13,825
George Maurer, Piedmont	13,968
Robert Glaze, San Francisco	14,212
James Chestnut, Mill Valley	14,386

Bids held under advisement.

15— SCHOOLS

BOND ELECTION
NEVADA STATE. — Clark County Educational District will vote on a $56,000 bond issue at the general election in November, proceeds to be used to finance the construction of three school gymnasiums, one each at Mesquite, Bunkerville and Overton, Nev. Public Works Administration recently approved a loan for the work.

Preliminary Plans Approved.
SCHOOL Cost, $300,000
SAN FRANCISCO. Twenty-fifth and Bryant Streets.
Two-story reinforced concrete school (18 classrooms, dining room, exercise room, vocational room, rest rooms, auditorium to seat 600).
Owntr—City and County of San Francisco.
Architects — Martin J. Rist, Phelan Bldg.; Charles F. Strothoff, 2274 15th St.; Smith O'Brien, 2032 Baker St., and Albert Schroepfer, 681 Market St.

FUNDS ALLOTTED
CARSON CITY, Nevada — Public Works Administration allotted $80,000 to Carson City to finance construction of a new school in Carson City, Nevada.

Construction Postponed Indefinitely.
ADDITION Cost, $6000
TAFT, Kern Co., Cal.
Addition to gymnasium in high school (frame construction).
Owner—Taft High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.

New Bids Wanted—To Close September 26, 2 P. M.
SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal. Le-Roy and Buena Vista Avenues.
Rehabilitation of south wing of Hillside School.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chacé, Claus Spreckels Bldg., San Francisco.
Previous bids received August 29 were rejected. Lowest bid was submitted by John E. Branagh, Oakland, at $4933, who claimed an error in his bid.

Plans Awaiting Approval.
IMPROVE SCHOOL Cost, $12,000
WATSONVILLE, Santa Cruz Co., Cal.
Alterations and reconstruction of four elementary school buildings.
Owner—Watsonville School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

Bids Opened.
LIBRARY Cost, $——
MODESTO, Stanislaus Co., Cal. Modesto Junior College.
Construction of part of library building.
Owner—Modesto Junior College Dist.
Architect — John J. Donovan, 950 Parker St., Berkeley.
Low Bidder—H. Tennyson, 125 Poplar Ave., Modesto, at $31,900.
Only one bid was submitted and was held under advisement.

BOND ELECTION
DALY CITY, San Mateo Co., Cal.—Jefferson School District will hold an election on October 5 at which time bonds in the amount of $105,000 will be voted to finance construction of the Crocker Elementary School, Jefferson Elementary School and Woodrow Wilson Elementary School, estimated to cost $35,000 each. Preliminary sketches for the buildings have been prepared by Architect Albert F. Roller, Crocker First National Bank Bldg., San Francisco.

Plans Completed.
SHOP Cost, $7000
SALINAS, Monterey Co., Calif.
One-story wood frame general shop (steel trusses, wood sash, etc.)
Owner — Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Plans have been forwarded to Sacramento for approval.

SITE SELECTED
BAYWOOD, San Mateo Co., Cal.—Baywood Park-Aragon School Dist. selected site on Harvard Road to construct proposed new grammar

school. It is planned to call an election in the near future in the amount of $25,000 to finance construction of the proposed building.

CONTRACT AWARDED

OAKLAND, Cal.—Standard Fence Co., 60th and Lowell Sts., Oakland, at $1989.55 awarded contract by Oakland Board of Education for construction of fence, removal and reerection of present fence on the site of the Markham School, Krause Ave. and Church St., Oakland.

Bids Wanted — To Close September 18, 5 P. M.

SCHOOL Cost, $150,000
COALINGA, Fresno Co., Cal.
Two-story science building, swimming pool and locker room.
Owner—Coalinga Union High School District (F. J. McCollum, Clerk).
Architect — W. D. Coates, Rowell Bldg., Fresno.
Bids will be taken as follows:
UNIT A: Science Building.
UNIT B: Pool and Locker Building
Alternate 1: If Hardwall and acoustical plaster in lieu of "Airflow" deduct.
Alternate 2: If Laboratory equipment is omitted, deduct.
Plans and specifications may be obtained from the Clerk of the District and from the architect upon deposit of $25 for UNIT A and $20 for UNIT B.

Plans Being Prepared.

HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Cal.
One-story steel frame and wood high school.
Owner — Trinity Union High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded.

SCHOOL Cont. Price, $11,133
DELANO, Kern Co., Cal.
One-story reinforced concrete music hall building for the Delano Joint Union High School District.
Owner — Delano Joint Union High School District.
Architect—Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.
Contractor—W. A. Croft, 1605 Brundage Lane, Bakersfield.

To Ask Bids Sept. 18—To Close Oct. 9th.

SCHOOL Cost, $315,000
CORVALLIS, Oregon.
Three-story brick high school (brick facing; classroom, auditorium, gymnasium and locker rooms.
Owner—Corvallis Union High School District.
Architect — Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.
Previous bids received August 15, rejected as being too high.

Plans Being Completed.

LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (3 classrooms); tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in about three weeks.

Contracts Awarded

SCHOOL Cost, $15,000
FORESTVILLE, Sonoma Co., Calif.
One-story frame and stucco grammar school (three classrooms and auditorium to seat 200, kitchen, etc.)
Owner — Forestville Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Carpentry — Forestville Const. Assn., Forestville, $1900.
Plumbing — E. D. Ward, Forestville, $1,313.13.
Other awards will be made shortly.

Contract Awarded.

SCHOOL Cont. Price, $57,675
SAN FRANCISCO. Golden Gate Ave. between Pierce and Scott Streets (Golden Gate School).
Structural alterations and repairs to comply with the State earthquake safety act.
Owner—City and County of San Francisco.
Structural Engineer—Alfred P. Fisher 111 Sutter St., San Francisco.
Contractor—MacDonald & Kahn, Financial Center Bldg., S. F.
Following sub-contracts submitted with contractor's bid:
Reinforcing Steel—W. C. Hauck, 280 San Bruno Ave., at $2539.
Finish Hardware—E. M. Hundley, 662 Mission St., at $228.
Structural Steel—Fair Mfg. Co., 617 Bryant St., at $5580.
Lath and Plaster—Jas. F. Smith, 271 Minna St., at $4073.
Roofing—Malott & Peterson, 20th and Harrison Sts., at $478.
Heating—Higgins & Kraus, 741 Tehama St., at $870.
Plumbing—Higgins & Kraus, 471 Tehama St., at $97.
Electric—C. A. Langlais, 472 Tehama St., at $1816.
Blackboards—J. W. Fricke, 420 Market St., at $980.
Sheet Metal — Wieland & Kolthoff, 2194 Folsom St., at $85.
Glass—Crowe Glass Co., 675 Golden Gate Ave., at $141.
Cement Gun — Edwin Anderson, 209 Post St., at $11,316.
Stairs—diCristini & Son, 3150 18th St. at $414.
Painting—R. P. Poall, 3159 Fillmore St., at $2613.
Underpinning — D. J. Sullivan, 1942 Folsom St., at $6500.
Brick Work—W. A. Rainey & Son, 323 Clementina St., at $6419.
Mill Work—J. A. Hart Co., Jerrold & Napoleon Sts., at $100.

Contract Awarded

SCHOOL Cont. Price, $4715
SAN FRANCISCO. Seventh Avenue near Irving Street.
Electrical work on Laguna Honda School.
Owner—City and County of San Francisco.
Architect—C. H. Sawyer, City Architect.
Contractor—Alta Electric & Mechanical Co., 467 O'Farrell St.
F. A. Thomas Co., 47 Second St., received the sub-contract for class clocks at $968.20.
Complete bids published Aug. 30.

Sub-Contracts Awarded

SCHOOL Cont. Price, $12,133
CLARKSBURG, Yolo Co., Cal.
One-story frame shop building (concrete floor).
Owner — Clarksburg Union High School District, Clarksburg.
Architect — H. J. Devine, California State Life Bldg., Sacramento.
Contractor — Charles Unger, 4532 T St., Sacramento.
Heating — Luppen & Hawley, 3126 J St., Sacramento.
Plumbing — Harvey Holland, 1715 P St., Sacramento.
Electric Wiring—Frank Merwyn, 2623 Donner Way, Sacramento.
Mill Work—Sierra Mill & Lumber Co., Second and U Sts., Sacramento.
Structural Steel—Alling Iron Works, Fifth and X Sts., Sacramento.
Reinforcing Steel — Thomas Scollan, 1307 J St., Sacramento.
Ornamental Iron—Alling Iron Works, Fifth and X Sts., Sacramento.
Roofing—F. A. Clark.
Sheet Metal — Wagner Sheet Metal Works, 2900 M St., Sacramento.
Painting—W. H. Raymond, 2710 Donner St., Sacramento.
Lumber—Noah Adams Lumber Co., Clarksburg.

CONTRACT AWARDED

COMPTON, Los Angeles Co., Cal.—T. P. Schultz, 911 N. Chester Ave., Compton, at $23,500 awarded contract by Board of Public Building Reconstruction for rebuilding Holly Ave. School in Compton. A. J. Garcia Co., 1072 N. Wilton Place, Los Angeles, at $1947 awarded plumbing and heating contracts and Cave Elec. Co., 2107 Ross St., Santa Ana, at $3594 awarded contract for electrical work. H. L. Gogerty, 116 N. Santa Fe Ave., Compton, Architect.

CONTRACT AWARDED

COMPTON, Los Angeles Co., Cal.—T. P. Schultz, 911 N. Chester Ave., Compton, awarded contract at $24,750 by Board of Public Building Reconstruction for rebuilding the Geo. Washington School in Compton. Hickman Bros., 910 E. Anaheim, Long Beach at $1351 awarded plumbing and heating contract and Cave Elec. Co., 2107 N. Ross St., Santa Ana, at $3870 awarded electrical contract. H. L. Gogerty, 116 N. Santa Fe Ave., Compton, Architect.

CONTRACT AWARDED

RIVERSIDE, Cal. — Pinkerton & Jameson, 118 E. Sixth Street, Corona, awarded contract at $51,800 by Riverside Board of Education for construction of a new school on 14th and Walnut Streets, Riverside. Will be a one-story, frame and stucco structure to contain seven classrooms, library, auditorium, office and teachers' room. G. Stanley Wilson, Mission Inn, Riverside, architect.

Bonds Voted.

SCHOOL Cost, $35,000
GRIDLEY, Butte Co., Cal.
Replace McKinley Primary School with one-story frame and stucco building (8 rooms); concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Bonds in the amount of $35,000 were voted August 30. The vote was 4 to 1 in favor of the issue.
Bids will be asked in about six weeks.

CONTRACT AWARDED

PASADENA, Cal.—Atlas Const. Co., 39 Congress St., Pasadena, awarded contract by Los Angeles board of education, at $40,000, for reconstruction rehabilitation and strengthening of the shop, home economics and cafeteria buildings on the Thomas A. Edison junior high school site, located on Hooper Ave. between 64th and 67th Sts. Architects, A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., and Engineer, Murray Eric, 811 West 7th St. Cost, $47,062.

BIDS WANTED

Plans Being Prepared.

ALTER SCHOOL Cost, $15,000
NAPA, Napa Co., Cal. John L. Shearer Grammar School.
Alterations to grammar school (repair fire damage to concrete and brick veneer structure).
Owner—Napa City School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Sub-Contracts Awarded
SCHOOL Cost, $9997
DUNNIGAN, Yolo Co., Calif.
One-story wood frame grammar school
Owner—Dunnigan School District.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—Roth Bros., Woodland.
Plumbing—Woodland Plbg. & Hdwe. Co., Woodland.
Electric Wiring—Weiders Elec. Works Woodland.
Mill Work—Diamond Match Co., Dunnigan.
Reinforcing Steel—Palm Iron Works, 1501 S St., Sacramento.
Sheet Metal—Woodland Plbg. & Hdwe. Co., Woodland.
Painting—Wilcoxon and Wilson, 1724 34th St., Sacramento.
Tile Work—H. P. Fischer Tile Co., 1219 J St., Sacramento.
Glass and Glazing—Diamond Match Co., Dunnigan.
Lumber—Diamond Match Co., Dunnigan.

Bids Wanted—To Close Sept. 17th, 7 P. M.
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Bids are being taken on a general contract with separate bids for general rought grading, electrical work, plumbing, heating, structural steel, painting and plastering.
Plans and specifications may be obtained from the principal of the high school upon deposit of $10.00.

Plans Being Prepared.
MUSIC BLDG. Cost, $5000
SONOMA, Sonoma Co., Cal. Sonoma High School.
One-story music room for high school
Owner—Sonoma High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

CONTRACT AWARDED
LOS ANGELES, Calif.—William T. Loesch & Son, 119 E. Union St., Pasadena, awarded contract by Pasadena board of education, at $150,864, for reconstructing the James A. Garfield elementary school. Myron Hunt, 408 S Spring St., Los Angeles, architect The group will consist of an auditorium, kindergarten, primary and two-story classroom building. Construction will be of reinforced concrete, tile and composition roofing.

BOND ELECTION
ARCADIA, Los Angeles Co., Cal. —Arcadia City School District has called election for September 21 at which time it is proposed to vote Bonds of $45,000, proceeds to finance reconstruction of the First Avenue School. District defeated previous bond issue. School board is considering several schemes for the reconstruction work.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Chestnut St. near Avila St.
Alterations and additions to store building (work includes finish for 2 stores, plastering, concrete slab floor, store fronts, etc.)
Owner—Martin Stelling, 156 Montgomery St., San Francisco.
Architect—Francis E. Lloyd, 360 Pine St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $3000
SAN FRANCISCO. 758 Market Street.
Alterations to stores.
Owner—New York Hat Stores, Inc., 758 Market Street.
Architect—Not Given.
Contractor—N. Steinberg, 3226 Winter St., Los Angeles.

Contracts Awarded.
STORE Cost, $42,000
SAN JOSE, Santa Clara Co., Cal. No. 148 South First and Second Sts.
Remodel present two-story brick store building and construct new connecting one-story concrete store; enclosing walls, Summerbell roof trusses (42x137 ft.)
Owner—Louis and Irene Sonniksen, 485 N-First St., San Jose.
Constr. Manager—Frederick Whitton, 369 Pine St., San Francisco.
Excavation, Concrete and Roofing—H. A. Bridges, 1398 Lincoln St., San Jose.
Plumbing—A. J. Peters & Son, 456 E. Washington St., San Jose.
Electric—Gilbert Bros., 286 W. Santa Clara St., San Jose.

Contract Awarded
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Calif. SW 22nd and Broadway.
Interior finish for offices.
Owner—Jerome Clark.
Architect—Reed and Corlett, Bank of America Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.

Contract Awarded
ALTERATIONS Cost, $1500
SAN FRANCISCO. 3325-27 Sacramento Street.
Alterations to stores.
Owner—L. M. Norton, % contractor.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission Street.

Sub-Contracts Awarded.
REMODEL STORE Cost, $3000
SAN FRANCISCO. No. 710 Market Street.
Remodel interior of drug store.
Owner — Owl Drug Co., 657 Mission St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, 424 Monadnock Bldg., San Francisco.
Cabinet Work—Fink & Schindler, 552 Brannan St., San Francisco.
Painting—Allied Painting Co., 10 So. Park, San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $10,000
SUISUN, Solano Co., Cal. Main St.
One-story frame and stucco office building (ornamental tile roof, plate glass front, tile entrance, maple floors, plate glass partitions etc.)
Owner—Sheldon Fuel Oil Co., Suisun
Plans by Engineering Dept. of Owner.
Contractor—A. R. Gale, Winters.

Plans Completed.
STORE Cost, $7000
SAN FRANCISCO. N Chestnut St. 73 E Mallorca Way.
Two-story frame and stucco store building.
Owner—Rothschild Bros., 41 Sutter St., San Francisco.
Architect — Hyman & Appleton, 68 Post St., San Francisco.

Contract Awarded.
OFFICE Cost, $8000
SAN FRANCISCO. SW Sixteenth and Illinois Streets.
One-story frame office, garage and warehouse.
Owner—Rio Grande Oil Co., 417 S Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—Harman & Pacific Co., 7 Front St., San Francisco.

Contract Awarded.
OFFICE BLDG. Cost, $4275
SAN JOSE, Santa Clara Co., Cal. No. 374 N. Santa Clara St.
One-story frame office building.
Owner—San Jose Water Works, 372 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Contractor — Wm. F. Serpa, 497 N. 13th St., San Jose.

Contract Awarded
ALTERATIONS Cost, $4089
SAN FRANCISCO. 140 New Montgomery Street.
Alterations to 21st floor of office bldg.
Owner—Pacific Telephone & Telegraph Co., premises.
Architect—Miller & Pflueger, 580 Market Street.
Contractor—A. D. Collman, 666 Mission Street.

Contract Awarded
ALTERATIONS Cost, $2105
SAN FRANCISCO. Market and Stockton Streets.
Alterations to store (new fixtures, interior finish, etc.)
Owner—Roos Bros., Inc., Market and Stockton Streets.
Architect—A. R. Williams, 251 Post St.
Contractor—Seymour Showcase & Fixture Corp., 604 Mission Street.

Contract Awarded
ALTERATIONS Cost, $1500
SAN FRANCISCO. 440 Broadway.
Alterations to cafe.
Owner—Caesar Martinelli, 440 Broadway.
Architect—Not Given.
Contractor—S. A. Giusti & Co., 200 Green Street.

Sub-Contracts Awarded
OFFICE BLDG. Cont. Price, $17,600
SACRAMENTO, Sacramento Co., Cal. Front and M Streets.
Office quarters for The River Lines Co. (to replace offices which will be demolished on right-of-way of new M street bridge) wood frame building, 2-story (25x57 feet) galv. iron siding, insulated with fibre board, composition roof, indirect lighting, plumbing and hot water heating system.
Owner—City of Sacramento.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—H. C. Martin, 1417 19th St., Sacramento.
Heating—Carpenter & Mendenhall, 907 Front Street.
Plumbing—Hately & Hately, 1710 19th Street.
Electric Wiring—Clifford Prudhomme, 2620 Fifth Ave.
Mill Work—Burnett & Son, 11th and C Streets.
Structural Steel—Palm Iron Works, 15th and S Streets.
Reinforcing Steel and Ornamental Iron Palm Iron Works, 15th and S Sts.
Roofing—C. E. Clark.
Sheet Metal—Walter Dunphy, 3136 Folsom Blvd.
Glass and Glazing—T. E. Cain, 2416 J Street.
Lumber—Burnett & Son, 11th and C Streets.
All of Sacramento.

Contracts Awarded.
OFFICE BLDG. Cont. Price, $33,870
MARYSVILLE, Yuba Co., Cal. Seventh and B Streets.
One-story brick and reinforced concrete office building (part basement, frame partitions, tile roof.
Owner—State of California (Division of Highways).

Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—Campbell Constr. Co., 800 R St., Sacramento.
Plumbing—Frank M. Booth, 222 Third St., Marysville, $2222.
Heating and Ventilating—J. J. McDermott, 2401 U St., Sacramento, at $6548.
Electric—M. P. Caron, 2708 Tenth Ave., Sacramento., at $2396.
Complete bids published August 22.

Contract Awarded.
ALTERATIONS Cost, $7000
SAN FRANCISCO. No. 151 Potrero Avenue.
Alterations to offices.
Owner—R. N. Nason & Co., Premises.
Architect — Albert Roller, Crocker First National Bank Bldg., San Francisco.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco.
Acoustical Ceiling—Western Asbestos Magnesia Co., 675 Townsend St., San Francisco.
Steel Windows — Soule Steel Co., 1750 Army St., San Francisco.

Contract Awarded.
REMODEL STORE Cost, $10,000
STOCKTON, San Joaquin Co., Cal. No. 235 E. Weber Street.
Alterations to store building (new front, etc.)
Owner—State Building & Loan Assn. 18 N San Joaquin, Stockton.
Architect—Not Given.
Contractor—Lewis & Green, Bank of America Bldg., Stockton.

PLANNED
VISALIA, Tulare Co., Cal. — The Income Investors, Inc., 448 South Hill St., Los Angeles, have offered to purchase the site of the Visalia City Library at a price of $15,000, and announce they plan to construct a business building to cost $17,000. Further details will be announced at a later date.

19—MISC. CONSTRUCTION

BIDS WANTED
EUREKA, Humboldt Co., Cal.—Until Sept. 19, 11 A. M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for furnishing and installing aviation warning lights on two radio towers (one 300 ft. and one 125 ft. high) at the Naval Direction Finder Station, Table Bluff (Eureka), California. Work also includes lighting fixtures, walkways on towers, cables supported on tower structure and buried underground from tower structure and buried undreground from tower base to power house with control switch, etc. Specification No. 7755. Plans and specifications may be obtained from above office and from the Bureau of Yards and Docks, Navy Department, Washington, D. C., upon deposit of $5.00.

Construction Started.
FOUNDATIONS, ETC. Cost, $——
SAN FRANCISCO. First and Federal Streets.
Reinforced concrete cylinder Pier and foundations for warehouse.
Owner — Farnsworth Ruggles Warehouse.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—Louis Johnson, Prem.

CONTRACT AWARDED
MARE ISLAND, Cal. — Associated Erectors Construction Co., 604 Irving St., San Francisco (C. A. Blume, President), at $9800 awarded contract by Public Works Officer, Mare Island Navy Yard, for painting five, 450-foot steel radio towers at Mare Island Naval Radio Station.
Complete bids published August 16.

CONTRACT AWARDED
SAN DIEGO, Cal.—Merritt - Chapman & Scott Corp., San Diego, at $1,625 awarded contract by the Bureau of Yards and Docks, Navy Department Washington, D. C., for overhauling buoy at Los Angeles Harbor (Berth A-1) San Pedro, under Spec. No. 7763. Pan-Pacific Piling & Const. Co., Wilmington, submitted low bid at $610.

September 5, 1934

PREPARING PLANS
SANTA BARBARA, Cal.—Architect Henry Howell, 19 E. Canon Perdido, Santa Barbara, is preparing plans for a municipal baseball and athletic field to be constructed on city-owned property bounded by Garden, Ortega, Cota and Laguna Street, Santa Barbara. The improvements, estimated to cost $38,000, will include a grandstand and fence. Funds for the work will come from the following sources: SERA labor, $22,000; private subscription, $11,000; county supervisors, $5,000. Application for the SERA funds has already been made by the county.

BIDS REJECTED
FRANCE FIELD, C. Z.—All bids received by Navy Department, Washington, D. C., for the construction of a gasoline fueling system at France Field have been rejected.

BIDS OPENED
HAMILTON FIELD, Marin Co., Cal. —Wm. Degen, 2055 Santa Clara, Alameda, at $1,931 submitted low bid to the Signal Officer, Headquarters Ninth Corps Area, Presidio of San Francisco under Bid No. C. P. 1084 SC 35-1, for the construction of extension of underground telephone cable system at Hamilton Field.
The other bids were:

G. M. Gest, Oakland	$2,277
A. Soda & Son, Oakland	2,498
Severin Elec. Co., S. F.	2,797
H. C. Reid & Co., S. F.	2,885
Eureka Electric Radio Co., S. F.	2,900
Bennett & Taylor, L. A.	3,025

All bids held under advisement.

CONTRACTS AWARDED
SACRAMENTO, Cal.—Contracts for furnishing cement for construction of CCC camps have been awarded by District Quartermaster, Sacramento, to low bidder in each sohedule. Bids were opened Aug. 29.
Complete bids follow:
(1) 250 sacks fob CCC camp at Mesquite, F-210;
(2) do, Snowline, F-355;
(3) do, Moretown, F-354;
(4) do, Berry Creek, F-201;
(5) do, Elk Creek, F-191;
(6) do, Fouts Springs, F-192;
(7) do, Houghs Springs, F-187.
The bidders were:
(A) Cowell Lime & Cement Co., Sacramento.
(B) Diamond Match Co., Sacramento
(C) American Fuel & Materials Co., Sacramento.
(D) Blair Lumber Co., Placerville.
(E) General Supply Co., North Sacramento.
Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$204.41	$196.88	$206.85	$205.00	$237.50
(2)	204.41	196.88	206.25	193.75	237.50
(3)	204.38	207.50	212.50	.....	250.00
(4)	204.38	207.50	206.25	.....	250.00
(5)	210.31	201.88	213.12	.....	250.00
(6)	216.25	296.25	210.75	.....	315.00
(7)	216.25	211.88	213.12	.....	250.00

CONTRACT AWARDED
OAKLAND, Calif.—Richmond Sanitary Supply Co., 9th and Alice Sts., Oakland, at $8,195.85 awarded contract by the East Bay Municipal Utility District for furnishing red brass seamless tubes and pipe under Proposal No. 552.

CONTRACT AWARDED
OAKLAND, Cal.—Sulphur Chemical Co., 624 California St., San Francisco, at $28.190 per ton, total $28,190 awarded contract by the East Bay Municipal Utility District for furnishing 1,000 tons of aluminum sulphate.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
SAN FRANCISCO—Simmons Company of California, 295 Bay Street, awarded contract by Supply Officer, Fort Mason, under Schedule No. 928-25-34 for furnishing:
(1) 33 steel nurses' beds, $11.50 each.
(2) 33 steel dressers, $21.75 each.
(3) 33 steel desks, $8.45 each.
(4) 33 steel night tables, $5.35 each.

CONTRACT AWARDED
OAKLAND, Cal.—American Concrete & Steel Pipe Co., 19th and Estuary, Oakland, at $7.75 per l.f., total $3,224, awarded contract by the East Bay Municipal Utility District, for furnishing 416 l.f. of 48-in. reinforced concrete pipe for Orinda, under Proposal No. 551.

BIDS OPENED
LOS ANGELES, Cal. — Following bids received by D. P. Nicklin, Purchasing Agent, Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, for furnishing liquid petroleum gas fuel storage and gasifying plants for department's camp sites in Mono County, as follows:
(I) For furnishing, delivering and installing 4 only liquid petroleum gas fuel storage and gasifying plants, etc.;
(I-Alt.) Same equipment of different design;
(II) For furnishing, delivering and transferring into storage tanks in such quantities as may be required during a period of 12 months beginning with date of contract, liquid petroleum gas fuel;
(a) f.o.b. bidder's shipping point, per gal.;
(b) f. o. b. department's four camps in Mono County, per gal.
(III) Deduction for combined award of item I or item I-alt., and Item II per plant.
(A) Parkhill - Wade, Inc., option 24 months, fuel delivery 5000 to 6000 gals. per load, discount 1%, 20 days.
(B) American Liquid Gas Corp., option, 24 months, fuel delivery 5,500 gals. per load, discount 2%, 25 days.
(C) Petroleum Ltd., option 12 months fuel delivery, 5000 to 6000 gals per load, discount 1%, 20 days.
(D) Union Oil Co., no option, fuel delivery 5960 gals. per load, discount net.
The bids were:
(I) (A) $2814; (B) $2472.50; (C) $2,581.39; (D) no bid.
(I-Alt.) (A) $4794; (B) $3974.50; (C) $4146.86; (D) no bid.
(II) (a) (A) .035; (B) $54875; (C) .0449; (D) .04.
(b) (A) .03; (B) .04; (C) .028; (D) .04.
(III) (I) (A) $350; (B) $247.25; (C) $250; (D) no bid.
(I-Alt.) (A) $792; (B) $397.45; (C) $410; (D) no bid.

CONTRACTS AWARDED
SACRAMENTO, Cal.—District Quartermaster, Civilian Conservation Corps Sacramento, has awarded contracts for furnishing hardware for CCC camps in the Sacramento district as follows:
General Supply Co., North Sacramento, Mosquito Camp, near Placer-

ville, $438.89; Snowline Camp, near Placerville, $438.89; Elk Creek, near Willows, $443.81; Fouts Springs Camp, near Willows, $443.80; Houghs Springs Camp near Williams, $443.81.

Auburn Lumber Co., Auburn, Mooretown Camp, near Oroville, $453.85; Berry Creek Camp, near Oroville, $453.85.

BIDS OPENED

LOS ANGELES, Cal.—The following firms submitted identical bids to D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing insulators and accessories for power transmission line from Boulder Dam: Westinghouse Electric and Mfg. Co.; General Electric Supply Co.; Joslyn Co.; Lapp Insulator Co.; Ohio Brass Co., and Graybar Electric Co.

The items were:

ITEM I

3600 suspension insulators; 170 pillar insulators; 36 strain yokes; 21 strain clamps;25,500 suspension insulators; 60 pillar insulators; 440 pillar insulators; 8 pillar insulators; 20,000 suspension insulators; 380 suspension insulators; 49 pillar insulators, and 36 strain clamps;

(a) f.o.b. cars bidder's shipping point.

(b) f.o.b. cars or trucks department's warehouse, 1630 N. Main St., Los Angeles.

ITEM II

750 suspension insulators; 90 pillar insulators; 24 strain yokes; 24 adapter links; 24 strain clamps; 21 strain clamps; 375 suspension insulators; 1075 pillar insulators; 420 plate camps 495 plate clamps; 135 plate clamps, and 115 plate clams.

(a) f.o.b. cars bidder's shipping point.

(b) f.o.b. cars or trucks department's warehouse, 1630 N. Main St., Los Angeles.

ITEM III

144 pillar insulator stacks.

(a) f.o.b. cars bidder's shipping point.

(b) f.o.b. cars or trucks department's warehouse, 1630 N. Main St., Los Angeles.

Combined awards: (a) f.o.b. cars bidder's shipping point; (b) f. o. b. cars or trucks department's warehouse, 1630 N. Main St., Los Angeles. The bids were:

(1) (a) no bid; (b) $157,629.32; (2) (a) no bid; (b) $25,103.46; (3) (a) no bid; (b) $41,640.48.

Combined awards, (a) no bid; (b) $224,373.26; all bids were net.

Jeffrey Dewitt Insulator Co., submitted the following alternate bids based on materials in accordance with plans and specifications submitted with their bid: (1) (a) $104,-168.77; (b) $116,076.60; (2) (a) $23,-671.38; (b) $25,167.98; (3) (a) $28,080; (a-Alt.) $36,936; (b) $29,998; (b-Alt.) $39,476.16; discount net.

CONTRACTS AWARDED

SACRAMENTO, Calif.—Sacramento District Quartermaster, Civilian Conservation Corps, has awarded contracts for furnishing lumber to various CCC camp sites as follows:

Bay City Lumber Co., 48th Ave. and East 12th St., Oakland, Mooretown Camp, near Oroville, $4860; Berry Creek Camp, near Oroville, $4960; Elk Creek Camp, near Willows, $4849; Fouts Springs Camp, near Willows, $5060; Houghs Springs Camp, near Williams, $4950.

Auburn Lumber Co., Auburn, Mosquito Camp, near Placerville, $4999.31; Snowline Camp, near Placerville, $4,-795.16.

CERTIFIED ADEQUATE RED SEAL STANDARD WIRING

Dear Mr. Builder:

Floodlights sometimes play funny tricks on building design. Shadows cast by light actually change the appearance of a building — may improve its looks and may throw it out of key.

If you are called upon to construct buildings or monuments which may be lighted from the outside at night, we advise you to consult your architect beforehand. He will study the design and the placing of floodlights to get the best effects.

Quite a lot of study has been given this subject, particularly in recent years. And since you are going to be held responsible in some degree for the finished job it is a good idea to think about this question beforehand.

Floodlighting nearly always adds to the rental value of a commercial building. It is not expensive nor difficult if done correctly.

We will be glad to furnish you detailed information, upon request.

Cordially yours,

Pacific Coast Electrical Bureau

Dept. L 6-B

447 SUTTER ST., SAN FRANCISCO

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

FRESNO COUNTY

FRESNO, Fresno Co., Calif.—Until Sept. 10, 8 P. M., bids will be received by J. A. Poytress, Secretary, Board of Trustees, Washington Union High School District, Route 6, Box 100, Fresno, for the sale of a school bus mounted on a White chassis, 1919 model, solid tires, 36 passenger capacity; also one school bus mounted on Paige chassis, 1921 model, 33 passenger capacity.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until Sept. 14, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1183, for furnishing 1500 lbs. of No. 18 hemp twine. Delivery fob bidder's shipping point and/or Government Island.

Specifications obtainable from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies, materials and equipment, as follows:

PUMPS, 16 fuel oil booster, turbine-driven and spares; Puget Sound. Sch. 3149; Sept. 11.
PLATES, steel; East & West Yards. Sch. 3112; Sept. 14.
PETROLEUM - RESIDUUM, 200,000 lbs.; Mare Island. Sch. 3203; Sept. 14.
MERCURY, 1400 lbs.; East and West Yards. Sch. 3208; Sept. 14.
TRANSFORMERS, distribution, 30; Mare Island. Sch. 3184; Sept. 14
MACHINE, motor-driven tool grinding; Puget Sound. Sch. 3207; Sept. 14.
COMPOUND, boiler, 300,000 lbs.; East and West Yards. Sch. 3214; Sept. 14.
STAMPINGS, metal, 12,000; Mare Island. Sch. 3215; Sept. 14.
STEEL, bar, 80,000 lbs.; Mare Island. Sch. 3219; Sept. 14.
CABLE, cord and wire, electric; East and West Yards. Sch. 3194; Sept. 14.
BATTERIES, dry and flashlight; East and West Yards. Sch. 3191; Sept. 18.
FANS, 135 electric ventilating and spares; Mare Island and Puget Sound. Sch. 3195; Sept. 18.
PLATES, 97,200 lbs. medium steel; Mare Island. Sch. 3220; Sept. 18.
CALCIUM CHLORIDE, 163,000 lbs.; East and West Yards. Sch. 3222. Sept. 18.
COKE; East and West Yards. Sch. 3198; Sept. 18.
PAINT THINNER, volatile-mineral-spirits, as required during the period October 1 to March 31; East and West Yards. Sch. 3193; Sept. 18.
VALVES, rubber pump, as required during the period October - to March 31; East and West Yards. Sch. 3192; Sept. 18.
WIRE CLOTH; East & West Yards. Sch. 3237; Sept. 18.
OIL, boiled and linseed; East and West Yards. Sch. 3227; Sept. 18.
KEROSENE; East and West Yards. Sch. 3199; Sept. 18.
RUBBER, packing and gasket; East and West Yards. Sch. 3196; Sept. 18.
HEATERS, 78 unit; Puget Sound. Sch. 3268; Sept. 18.
STEEL WOOL, 51,300 lbs., East and West Yards; 8300 lbs., San Diego; 25,000 lbs., Mare Island. Sch. 3235; Sept. 18.
TUBES, steel boiler; Mare Island and Puget Sound. Sch. 3232; Sept. 18.
POWDER, aluminum bronze; East & West Yards. Sch. 3230; Sept. 18.

BREMERTON, Wash.—Until Sept. 11, 10 A. M., bids will be received by the Supply Officer at Bremerton Navy Yard, Washington, for 600,000 FBM Douglas fir lumber, to be delivered f.o.b. dock at Navy Yard, Mare Island, Calif., under Req. No. 57.

SAN FRANCISCO.—Until Sept. 11, 10 A. M., bids will be received by the Purchasing Officer, 12th Naval District Headquarters, 100 Harrison St., San Francisco, under Order No. 5839, for furnishing approximately 29,450 ft. of seamless black steel tubing.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Sept. 24 2 P. M., bids will be received by D. P. Nicklin, purchasing agent, Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, for furnishing 110 only mine type dump cars for use in connection with Mono Crater tunnel to be drawn by battery-operated locomotives, under Spec. No. 1504.

Bids will be taken as follows:
(1) fob cars bidder's shipping point:
(2) fob cars Lone Pine;
(3) fob cars or trucks, 410 Ducommun St., Los Angeles.

WAR DEPARTMENT

FORT PECK, Mont.—Until Sept. 12, 2 P. M., bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for furnishing 16,000 untreated cross ties and 35 MFBM untreated switch ties for the Fort Peck Dam Spillway tract, Fort Peck, Montana.

SACRAMENTO, Cal.—Until Sept. 11, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6704, for furnishing:
(1) 1 rough bronze casting to finish 11½-in. OD x 9 11/16-in. I D x 6-in. long;
(2) 1 semi-steel casting for babbiting and boring jig;
(3) 1 steel steam receiver ¼-in. plate x 20-in. I D x 5-ft. long;
(4) 56 bronze wearing plates for pump valves.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until Sept. 11, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6690, for furnishing one vertical fire tube, donkey boiler, complete with all accessories and fittings.

Specifications obtainable from above office.

SANTA MONICA, Cal.—Until September 10, bids will be received by the Santa Monica Board of Education for furnishing construction materials as follows:

Approximately 40 tons reinforcing steel.
Approximately 9000 sacks tested cement.
Approximately 1700 tons specification rock.
Approximately 1200 tons specification sand.
Approximately 550 sacks stucco.
Approximately 1200 sacks plaster.
Approximately 6500 yds. metal lath.
Approximately 200,000 feet framing lumber.
Approximately 8 tons nails.
Miscellaneous hardware.

CANAL ZONE

PANAMA CANAL ZONE. — Until Sept. 18, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2993, for furnishing miscellaneous supplies, materials, and equipment, including: Cold rolled steel, steel wire, wire rope, tiller rope, seizing strand, copper wire, cable clips, wire cloth (copper and galvanized), poultry netting, manila rope, brass and copper pie, anchor shackles, time switches, welding rod, barrel bolts, chain bolts, footbolts, hinges, latches, locks, casters, hickory handles, leather belting, acking leather, strip leather, packing (asbestos, flax, metallic, rubber and spiral), oakum, abrasive cloth, flint paper, garnet paper, plate glass, window glass, and cross ties (creosoted).

Specifications obtainable from the above office and from the Assistant Purchasing Officer, The Panama Canal Zone, Fort Mason, San Francisco.

PANAMA CANAL ZONE — Until September 10, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2992, for furnishing miscellaneous supplies and equipment, including: Fire extinguishing systems; galvanized roofing; galvanized sheet steel; galv. straps; steel plates; copper sheet; copper-nickel alloy sheets; zinc rolled plates; brass rods; silver solder; eye and ring bolts; carriage bolts; nails; boat spikes; grommets; curtain and glove fasteners; chain hoists; geared pumps pipe pushing jacks; shippe-shaft pinions; pressure gauges; drill chucks circular saws; hose (water, suction, pneumatic and gasoline); lace leather asbestos gaskets and packing; jute; cocoa fiber door mats; titanium pigment; burnt sienna; ship's clocks; roasting pans; sabatier knives; drinking glasses; basket balls, and filter underdrainage units.

Specifications obtainable from the above office and from the Assistant Supply Officer, The Panama Canal, Fort Mason, San Francisco.

SAN MATEO COUNTY

SAN MATEO COUNTY—Until September 11, 10 A. M., bids will be received by Ernest L. Werder, San Mateo County Purchasing Agent, Court House, Redwood City, for the purchase of a ½ cu. yd. or ⅝ cu. yd. power shovel, full revolving & crawler mounted.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until September 25, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and constructing a bridge on Section B of Routs 51, the Hoopa National Forest Highway, Trinity National Forest, Humboldt County, a length of 0.571 mi. The work involves:

(1) 38,500 cu. yds. unclass. excav.;
(2) 790 cu. yds. unclass. excav. for structures;
(3) 94,000 sta. yds. overhaul;
(4) 0.515 mi. finishing earth graded road;
(5) 50 cu. yds. hand-laid embankment;
(6) 280 lin. ft. C. M. P.;
(7) 2 each embankment spillway;
(8) 290 lin. ft. steel pipe;
(9) 88 MFBM untreated timber;
(10) 365 cu. yds. concrete;
(11) 33,500 lbs. reinforcing steel;
(12) 48,000 lbs. structural steel;
(13) 8 each right-of-way monuments
(14) 4 each water barrels.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

MONTEREY CO., Cal.—B. Rocca & Co., San Rafael, at $11,382.50 awarded contract by the State Highway Commission, Sacramento, for the construction of a reinforced concrete arch culvert in Monterey County at McWay Canyon, about 40 miles south of Carmel.

BIDS OPENED

MARIN COUNTY, Cal.—Healy-Tibbitts Const. Co., 64 Pine Street, San Francisco, at $4.88 per l.f., total $6,832 submitted low bid to the Department of Public Works, Division of Highways Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, for repairing protection fenders and constructing pile protection on the bridge across Corte Madera Creek at Greenbrae, Marin County.

The work involves 1,400 l.f. of pile protection in place.

Complete bids follow:

Healy-Tibbitts Const. Co., San Francisco, $4.88 per l.f.; total, $6,832.

Theodore Johanns, San Francisco, $5.35; $7,490.

Albert H. Siemer, San Anselmo, $5.-89; $8,246.

M. B. McGowan, Inc., San Francisco $7.50; $10,500.

LOW BIDDER

HANFORD, Kings Co., Cal.—Kofoid Lumber Co., Caruthers, at $8,260 for redwood piling and 59,203.67 for treated Oregon pine piling (alternate) submitted low bid to the Kings County Board of Supervisors for furnishing timber, to be used in construction of new bridge across the Kings River at Lation. Bids were referred to Fresno County Board of Supervisors for concurrence in award to low bidder. Fresno and Kings county share the cost of construction of the bridge which replaces one destroyed by fire. SERA labor will be employed on the project.

BIDS POSTPONED

SANTA CLARA COUNTY, Calif.—Until September 17, 11 A. M., (date postponed from Sept. 10) bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the construction of a reinforced concrete culvert on Summerhill Ave. in Supervisor District No. 5.

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until September 17, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the construction of two reinforced concrete culverts on Louis road in Supervisor District No. 5; one across Clark Ditch and one across Matadero Creek.

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

CONTRACT AWARDED

LOS ANGELES, Cal.—C. F. Robbins and J. P. Immel, P. O. Box 902, Ventura, at $51,950 awarded contract by the Los Angeles County Board of Supervisors for the construction of a reinforced concrete bridge at Dark Canyon on Barnham Blvd. over the Los Angeles river.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

RICHMOND, Contra Costa Co., Cal.—Daniels Contracting Co., 503 Market St., San Francisco, has been awarded contract by the Santa Fe Land & Improvement Co., at approximately $20.-000, for placing approximately 20,000 tons of riprap on the westerly side of the Santa Fe channel in Richmond harbor. Rock will be taken from the bay bridge tunnel excavation on Goat Island.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

SAN FRANCISCO. — Sierra Sugar Pine Co., Madera, at $1,320 submitted the only bid to T. A. Brooks, Purchaser of Supplies, City Hall, for the sale of one lot of machinery listed as Mather Sawmill Equipment under Storage Nos. Sm-1 to Sm-74, inclusive and was awarded the contract.

CAPITAL CITY TITLE COMPANY

J. C. PALEN, *Manager*

914 Seventh Street

Sacramento :: California

BIDS REJECTED

OAKLAND, Cal.—All bids received by the East Bay Municipal Utility District, August 8, under Proposal No. 550, for furnishing two centrifugal pumps with electric motors, have been rejected.

Kratz & McClelland, Inc., submitted low bid at $1,289.96.

PURCHASE AUTHORIZED

OROVILLE, Butte Co., Calif.—Purchase of a portable rock crusher for the county road department has been authorized by the Butte County Board of Supervisors. The machine will be purchased by Frank Boyle, County Purchasing Agent

CONTRACT AWARDED

FRESNO, Fresno Co., Cal.—Western Pipe & Steel Co., Fresno, at $3,041.69 awarded contract by the Fresno City Commission for furnishing nine truck bodies for use on trucks of waste disposal department.

CONTRACT AWARDED

FRESNO, Fresno Co., Calif.—Associated Equipment Co., Ltd., 355 Fremont St., San Francisco, at $2,100 (used P & H 300) awarded contract by the rFesno City Commission for furnishing one ½-c.y. caterpillar type full revolving gasoline power crane with ½-c.y. clam shell bucket.

26— RAILROADS

BIDS OPENED

LOS ANGELES, Cal.—Pan-Pacific Piling & Construction Co., 2145 East 25th St., submitted the low bid to the Los Angeles Harbor Department, August 29, at $91,630 (Item 1), for subgrade, track and structures, Los Angeles Municipal Terminal Railroad, Spec. No. 930. These specifications cover the furnishing of materials, except materials furnished by the city, and constructing a standard gauge railroad track, approximately 13,650 ft. in length, including grading, track laying, trestle construction, paving, automatic grade crossing protection, etc.

Complete bids follow:

Pan-Pacific Piling & Constr. Co., Los Angeles, (1) Railroad connection complete with new 90-lb. rail, accessory joints and tie plates (alternate of item 2), $91,630; (2) Railroad connection complete with used 90-lb. rail, etc. (alternate to item 1), $75,500; (3) for driving additional lengths of piling, per lin. ft., 50c.

Sharp & Fellows Contracting Co., Los Angeles, (1) $105,787; (2) $87,158; (3) 50c.

Shannahan Bros., Inc., Los Angeles,

30—RESERVOIRS & DAMS

BIDS WANTED

WILLIAMS, Ariz.—Until Sept. 17, 8 P. M., bids will be received by the Williams common council for the construction of a reservoir, including earth embankments and placing rock riprap on face of dam; the construction of a spillway and other appurtenances to the dam; the construction of a pipe line from the reservoir to the town of Williams; furnishing and

installing a filter unit and chlorination unit, and an addition to and improvement of the present water distribution system within the town of Williams. This is an NRA project.

Plans, specifications, proposal form, contract form, and forms of bonds may be obtained upon application from the Town Clerk, Williams, Arizona, or from A. A. Weiland, Engineer for the town of Williams, 503 Court St., Pueblo, Colo. upon deposit of $10, which sum will be returned to all bidders upon the return of said documents in good condition to the town clerk or the engineer not later than the day after the receiving of bids by the town of Williams for the construction of the project.

Certified check for 5% must accompany each bid. J. C. Butler, town clerk.

LOAN AND GRANT

PHOENIX, Arizona—A loan and grant of $148,000 for the construction of improvements to the irrigation system and power plants of the Shallow Silved Creek Water Conservation District and the construction of low Silver Creek Water Conservanounced by Public Works Administration; Howard Reed, Phoenix, State PWA engineer. 0

LOW BIDDERS

OGDEN, Utah.—Utah Const. Co., Ogden, and Morrison-Knudsen Co., Boise, Idaho, bidding jointly, at $677,-898.10 submitted low bid to the Bureau of Reclamation, Ogden, under Spec. No. 584, for the construction of the Pine View Dam and appurtenant works, Ogden River project, Utah.

J. A. Terteling & Sons, Boise, at $716,989.75 submitted second low bid, and Barrett & Hilp, San Francisco, at $754,717.85 submited third low bid.

Five bids were received. Complete bids will be published shortly.

27—FIRE ALARM SYSTEM

BONDS DEFEATED

SAN MATEO, Cal.—A $30,000 bond issue to finance extensions to the City's fire alarm system was defeated in San Mateo at a special election Aug. 30.

31—PIPE LINES & WELLS

BIDS WANTED

SAN BERNARDINO COUNTY, Cal.—Until Sept. 17, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, 247 Third St., San Bernardino, for drilling a 125 foot water supply well at the Cronese Maintenance Station site, San Bernardino County.

Plans and specifications obtainable from the above office.

September 6, 1934

BIDS OPENED

STOCKTON, San Joaquin Co., Cal.—W. T. Gibson, 123 S. Grant Street, Stockton, at $4,223 submitted low bid to the Stockton City Council for furnishing and installing pipe lines for sprinkling systems at Louis Park in Stockton.

The other bids were:

P. B. Burr, San Francisco	$4,422.00
Miller-Hays Co., Stockton	4.472.00
C. W. Wood, Stockton	4,600.00
A. Soda & Son, Oakland	4,631.72
A. D. Ray, Stockton	4.797.00
Eddy Electric Co., Stockton	4,887.00
Pahl-Harry Co., Stockton	4,998.00
Fay Imp. Co., San Francisco	5,345.00
Carpenter-Mendenhall, Sacto	5,584.00

Three low bids held under advisement. 31

September 6, 1934

BIDS OPENED

COOLIDGE, Ariz.—Bids for drilling water wells for the San Carlos Project, F. P. 261, Coolidge, Ariz., were opened by the U. S. Indian Irrigation Service at Coolidge August 30.

The bids were:

D. A. Beck & Sons, Inc., Alta Loma, Calif., (1) one group of 3 wells, 20-in. dia., and material to be supplied at well sites, $8,696.34; (2) two groups, consisting of approximately six wells, 20-in. dia. and depth 100 to 350 ft., $17,392.68; (3) supplemental proposal for testing wells (one for each group) $6,364.40; grand total, $23,757.08.

Freelove & Hawks, Glendale, Ariz., (1) no bid; (2) $17,188.50; (3) $7,788; grand total, $24,976.50.

J. N. Olson, Prescott, Ariz., (1) no bid; (2) $23,088.60; (3) $8,049.10; total, $24,976.50.

D. D. Paul, Coolidge, Ariz., (1) no bid; (2) $23,246.10; (3) $8,069.10; total, $31,315.20.

W. J. Schanufer, Higley, Ariz., (1) no bid; (2) $23,374.35; (3) $8,124.10; total, $31,498.45.

Roscoe Moss Co., Los Angeles, (1) no bid; (2) $80,307; (3) $18,572; total, $98,879.00.

E. N. Brown, Phoenix, (1) no bid; (2) $82,808.40; (3) $27,355; total $110,-163.40. 31

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

SONOMA, Sonoma Co., Calif.—Following bids received by Sonoma City Council to furnish material and construct outfall sewer:

(1) Furnish all vitrified pipe and fittings;

(2) Furnish all labor, transportation and services and all material not included in item (1) for construction complete.

*Albert Siemer and J. J. Ongaro, San Rafael, (1) $5111.25; (2) $5786.37.

Gladding Bros. Mfg. Co., Santa Clara (1) $5111.48; (2) .....

John Pestana & John White, Oakland, (1) .....; (2) $5551.70.

H. C. Muddox Co., Sacramento, (1) $5111.47; (2) .....

**Geo. C. DeGolyer, Oakland, (1) $5-176.85; (2) $6446.25.

***H. Gould, Sacramento, (1) $8,-488.68; (2) $10,495.75.

A. Soda & Son, Oakland, (1) .....; (2) $8192.05.

Gladding & McBean Co., San Francisco, (1) $5391.18; (2) .....

Maguire & Hester, Oakland, (1) .....; (2) $6141.25.

*Will accept both or Item 2 only.

**Will accept either schedule.

***All or none.

Bids referred to Haywood MacDonald, city engineer, and to PWA.

BONDS CARRIED

BURLINGAME, Cal.—The Burlingame electrotate approved an $86,000 bond issue to secure a PWA allotment of $147,000 at a special election August 30. The money will finance construction of a sewage disposal plant to be located in the bay about ½ mile from shore, near the end of Broadway. City Engineer Charles M. Thomas is preparing plans and announces that they are about 65% complete.

Harry N. Jenks, consulting engineer, 2701 Benvenue, Berkeley.

BONDS DEFEATED

PETALUMA, Cal.—The Petaluma voters defeated at $325,000 bond issue August 28, which was to have financed construction of a sewage disposal plant. 1

BONDS DEFEATED

SAN MATEO, Cal.—An $85,000 bond issue to secure a PWA loan and grant for $141,000 for the construction of an outfall sewer and treatment plant was defeated by San Mateo voters August 30. The vote was: Yes, 778; No. 496. 1

33— WATER WORKS

BIDS WANTED

SAN FRANCISCO.—Until Sept. 17, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, under Bid No. 1258, for furnishing 7,469 tons of cast iron bell and spigot and double spigot pipe.

Specifications obtainable from City Engineer John Casey, Room 357, City Hall, upon deposit of $10.

BONDS VOTED

EUREKA, Humboldt Co., Calif.—A bond issue of $906,000 to finance construction of the Mad River water supply project was approved at a special election August 31. Proceeds of the issue will be supplemented by a PWA grant of $318,000 for construction of a dam on the Mad River and a 23-mile supply line. The vote was 4759 to 755. Clyde C. Kennedy, Call Bldg., San Francisco, is consulting engineer; City Engineer Evan D. Gardner. The plans will be completed immediately and the initial construction contract advertised at an early date.

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal.—F. Kaus, 2726 E. Main St., Stockton, at $3,189 awarded contract by the Stockton City Council for the construction of a pump house and furnishing and installing pumping equipment at Louis Park in Stockton.

ARBITRATOR APPOINTED

SALEM, Ore.—Fredrick H. Fowler, Crocker First National Bank Bldg., San Francisco, consulting engineer, has been appointed PWA representative on the board of arbitration to determine a purchase price of the Oregon-Wahington Water Service Company plant in Salem. Mr. Fowler will confer with city authorities in Salem shortly. A PWA loan and grant of $2-500,000 is available for construction of the Salem municipal water supply system. Barr & Cunningham, Spalding Bldg., Portland, are consulting engineers.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

OROVILLE, Butte Co., Calif.—Bids are being received by the Custodian, Oroville Post Office for planting and seeding grounds at the U. S. post office at Oroville.

CONTRACT AWARDED

OAKLAND, Cal.—Standard Fence Co., 60th and Lowell Sts., Oakland, at $1989.55 awarded contract by Oakland Board of Education for construction of fence, removal and reerection of present fence on the site of the Markham School, Krause Ave. and Church St., Oakland.

CONTRACT AWARDED

SACRAMENTO, Calif.—McGillivray Const. Co., Folsom Blvd. and 65th St., Sacramento, at $11,746.53 awarded the contract by Sacramento City Council for the improvement of the easterly half of Land Park Drive from the center line of Vallejo Way from the easterly line of Land Park Drive to a point 123 ft. west of 17th St.

29—STREETS AND HIGHWAYS

BIDS WANTED

LANE COUNTY, Ore.—Until Sept. 14, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Building, Portland, W. H. Lynch, District Engineer, for constructing or improving Willamette Highway Bituminous Surfacing Project NR-21-C1, D3, National Forest Rd. Project, located within the Willamette National Forest, Lane Co., Oregon.

The length of the project is approximately 9.024 miles and involves:
(1) 9 miles preparation of roadway;
(2) 6,500 c.y. mineral aggregates;
(3) 360 tons 95 plus asphaltic oil;
(4) 150 tons MC-1 grade liquid asph.;
(5) 110 tons RC-3 do.

Plans and specifications obtainable from the above office upon deposit of $10 per set. 9

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Ralsch, Burrell Bldg., San Jose, at $9,632 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors for the construction of approximately 131,000 sq. ft. of oil macadam on Calaveras Road between Downing Road and Felter Road.

The other bids were:

Earl W. Heple, San Jose	$ 9,673
L. F. Piazzi, San Jose	13,226
Engineer's estimate	10,600

BIDS OPENED

COCONINO COUNTY, Ariz. — Arizona Sand & Rock Co., Phoenix, at $10,214.50 submitted low bid and recommended for award of contract by the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for placing a seal coat on 17.199 miles of Section D of the South Approach to Grand Canyon National Park, Coconino Co.

Pearson & Dickerson, Prescott, at $11,534.50 submitted the only other bid.

Engineer's estimate, $9,172.60.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until Sept. 27, 2 P. M., bids will be received by the State Highway Engineer State Bldg., Los Angeles, for about 0.6 mile in Los Angeles between the west city limits and Beverly Blvd. to be graded and paved with asphalt concrete.

The work involves:
(1) 31 sta. clear and grub right of way;
(2) 13,000 c.y. rdwy. excav., unclass.;
(3) 20,000 sta. yds. overhaul;
(4) 11,000 c.y. imported borrow;
(5) 500 tons selected material;
(6) 3,400 c.y. struc. excavation;
(7) 8,000 sq. yds. subgrade preparation;
(8) 6,000 sq. yds. asph. paint binder;
(9) 5,200 tons asphalt concrete;
(10) 910 c.y. Class A portland cement concrete (structures);
(11) 150 c.y. do (curbs, gutters and walks);
(12) 128,000 lbs. bar rein. steel (struc.)
(13) 3,000 lbs. misc. iron and steel;
(14) 40 l.f. 8-in. CMP;
(15) 2 each spillway assemblies;
(16) 64 l.f. 6-in. cast iron soil pipe;
(17) 30 l.f. 24-in. reinf. conc. pipe;
(18) 350 c.y. concrete removed & disposed of;
(19) 5,000 l.f. furnishing steel sheet piling groynes;
(20) 410 each driving steel sheet piling groynes;
(21) 31,000 lbs. structural metal do;
(22) 5.5 MFBM Douglas fir timber do;
(23) 10,500 sq. ft. gunite slope protection panels;
(24) 4,000 lbs. steel wire mesh reinf.;
(25) 4 each moving and resetting electroliers;
(26) 15 each raising manholes to grade
(27) 470 M. gals. water;
(28) 72 tons fuel oil shoulders;
(29) 8,900 sq. yds. prepare, mix and shape shoulders;
(30) 136 each timber guide posts;
(31) 2 each culvert markers;
(32) 31 stations finishing roadway;
(33) 9 each monuments complete in place.

The State will furnish corrugated metal pipe and spillway assemblies as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the State Highway Engineer's Office, Sacramento, and on file at the District Engineer's offices in San Francisco and Los Angeles.

CONTRACT AWARDED

BERKELEY, Cal. — Ransome Co., 4030 Hollis St., Emeryville, at $3,018.30 awarded contract by Berkeley City Council to improve Shattuck Ave. and Rose St. crossing.

PROJECTS APPROVED

STATE OF NEVADA—U. S. Bureau of Public Roads has approved program for Forest Highway construction in the State of Nevada for the fiscal year ending June 30, 1935. Two projects are planned as follows:

Grading 9.8 mi. Midland Trail (Currant Creek) Forest Highwty. White Pine and Nye Counties, $117,000; Improvement Mt. Rose Forest Highway, Washoe County, $20,000 (to be done by days labor). 9

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—L. F. Piazzi, 296 N. Sixth St., San Jose, at $14,530 (second low bidder) awarded contract by Santa Clara County Board of Supervisors for improvement of Junipero Serra Blvd. from San Mateo County line to Page Mill road in Supervisor District No. 5. Earl W. Heple, San Jose, low bidder at $14,448 was granted permission to withdraw his bid. Complete bids published Aug. 28. 9

BIDS WANTED

DOUGLAS CO., Nev.—Until Sept. 19, 2:15 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson City, to construct asphaltic roadmix surface on a portion of the state highway system in Douglas county between the junction with Route 3 near Minden and a point four miles south of Minden, a length of approximately 3.99 miles.

The work involves:
(1) 73,263 gal. asphaltic road material, Type SC-2;
(2) 6,441 gal. do, Type MC-2;
(3) 3.99 miles roadmix;
(4) 3.99 miles finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders on deposit of $5, $2.50 returnable.

BIDS OPENED

COCONINO COUNTY, Ariz.—Identical bids at $12.50 per ton submitted to U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market Street, San Francisco, for furnishing approximately 175 tons of liquid asphaltic road material, Type X-5 for use on Section D of the South Approach to Grand Canyon National Park, Coconino Co., Ariz., by the following: Petroleum Corp., Los Angeles; Union Oil Co., Los Angeles; Gilmore Oil Co., Los Angeles; Standard Oil Co., San Francisco; Richfield Oil Co., Los Angeles, by Wm. C. McDuffie, Receiver. The Richfield Company's bid was rejected as irregular.

BIDS WANTED

CLARK and NYE Counties, Nev.—Until Sept. 19, 3:00 P. M., bids will be received by Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson City, to construct asphaltic roadmix surface on portion of state highway system in Clark and Nye Cos. between Indian Springs and 22 miles west, Route 5, Sections H, A and B, a length of approximately 22 miles.

The work involves:
(1) 363,180 gal. asphaltic road material Type SC-2;
(2) 32,282 gal. do, Type MC-2;
(3) 22.01 miles roadmix;
(4) 22.01 miles finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders on deposit of $5, $2.50 returnable. 9

BIDS WANTED

MINERAL CO., Nev.—Until Sept. 19 3:15 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson City, for construction of a portion of the state highway system in Mineral County between 3.3 miles west of Luning and 12.8 miles east of Hawthorne, Route 3, Sections B2 and C1, a length of 8.48 miles.

The work involves:
(1) 22,300 c.y. roadway excav.;
(2) 3,483 yds. sta. overhaul;
(3) 33,650 c.y. select borrow;
(4) 980 c.y. structure excav.;
(5) 8.48 miles subgrade;
(6) 33,400 tons crushed gravel or stone surfacing;
(7) 75 c.y. Class B concrete;
(8) 1,300 lbs. reinf. steel;
(9) 154 lin. ft. 18-inch corru. metal pipe;
(10) 96 lin. ft. 24-in. do;
(11) 1,042 lin. ft. 36-in. do;
(12) 188 lin. ft. 24-in. vit. pipe;
(13) 714 lin. ft. remove culvert pipe;
(14) 556 lin. ft. relay culvert pipe;
(15) 62 each move pipe culvert headwalls;
(16) 42 each remove do;
(17) 8.48 miles finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders on deposit of $5, $2.50 returnable. 9

BIDS WANTED

TEHAMA CO., Cal.—Until Sept. 20, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, District Engineer C. H. Sweetser, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section G of Route 21, Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama County, involving:
(1) 405 MFBM clearing (standing timber);
(2) 142,500 c.y. unclass. excavation;
(3) 1,429 c.y. do for structures;
(4) 106,000 sta. yds. overhaul;
(5) 46 l.f. perforated CMP;
(6) 2,972 l.f. CMP (asphalt dipped);
(7) 13 each Type A spillway inlets;
(8) 57 c.y. concrete;
(9) 2,200 lbs. reinforcing steel;
(10) 12 c.y. crushed rock or gravel for backfill;
(11) 91 each right-of-way monuments.

Plans and specifications available from above on deposit of $10 per set.

BIDS WANTED

ELKO COUNTY, Nevada — Until September 19, 2 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of an overpass over the Southern Pacific Railway at Wells in Elko County, Route 13 Section C1, a length of 0.43 miles. The work involves:
(1) 50 cu. yds. roadway excavation
(2) 50,393 cu. yds. select borrow;
(3) 270 cu. yds. struc. excav.;
(4) 0.40 mile subgrade;
(5) 1300 cu yds. crushed gravel or stone surface;

(6) 4 each move pipe culvert headwalls;
(7) 118 lin. ft. 24-in. CMP;
(8) 210 cu. yds. Class "A" concrete
(9) 230 cu. yds. Class "D" concrete
(10) 34,000 lbs. structural steel;
(11) 88,000 lbs. reinforcing steel;
(12) 1664 lin. ft. guard rail;
(13) 8 each monuments;
(14) 0.43 mile finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.50, reutrnable.

LOW BIDDERS

MONO COUNTY, Cal.—Hemstreet & Bell, 501 11th St., P. O. Box 550, Marysville, at $6862 submitted low bid to Division of Highways, S. W. Lowden, District Engineer, Bishop, to grade and surface with selected material about 1.2 miles in Mono County between Whiskey Canyon and Yerby's. Other bids were: Basich Bros., Torrance, $7230; D. C. Follis, Glendale, $7946.50.

BIDS WANTED

TEHAMA COUNTY, Cal. — Until September 13, 2 P. M., bids will be received by the Bureau of Public Rds. 807 Sheldon Bldg., 461 Market St., San Francisco, for placing a crushed gravel base course on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen Nat'l. Forest, Tehama County, a length of 4.911 miles. The work involves:
(1) 2100 tons gravel sub-base;
(2) 18,200 tons crushed gravel base course;
(3) 256 tons supplemental crushed gravel.
(4) 250 tons crushed gravel screenings;
(5) 500 M. gallons watering.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

LOS ANGELES and San Bernardino Cos., Cal.—Until Sept. 27, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 6.6 miles to be graded and treated with fuel oil and a bituminous surface treatment applied, in Los Angeles and San Bernardino counties between 5½ miles east of Llano and Camp Cajon.

The work involves:
(1) 43 acres clear and grub right of way;
(2) 30,000 c.y. rdwy. excav., unclass.;
(3) 109,000 sta. yds. overhaul;
(4) 130 c.y. structure excavation;
(5) 52 l.f. 24-in. CMP;
(6) 54 l.f. 30-in. CMP;
(7) 116 l.f. 36-in. CMP;
(8) 715 tons fuel oil;
(9) 71,000 sq. yds. preparing surface and mixing and shaping oiled material;
(10) 76 tons asphaltic road oil;
(11) 610 c.y. screenings;
(12) 350 stations finishing roadway;
(13) 95 each monuments complete in place.

The State will furnish corrugated metal pipe as more explicitly set forth in the special provisions.

Plans and specifications obtainable from the State Highway Engineer's office, Sacramento, and on file at the District Engineer's offices in San Francisco and Los Angeles.

BIDS WANTED

LINCOLN AND LANE COUNTIES, Oregon—Until September 12, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Alsea and Siuslaw Bituminous Surfacing Project FHEC-6-D4, E6, and FHEC-7-C2, D3, E3, F2, G3, National Road Project located within the Siuslaw National Forest, Lincoln and Lane Counties, Ore. The length of the project is approximately 6.340 miles (Alsea portion) and 19.44 miles (Siuslaw portion) and involves:
(1) 2000 cu. yds. unclass. excav.;
(2) 300 M. gals. watering;
(3) 20 days roller operation;
(4) 25.78 mi. preparation roadway;
(5) 4000 cu. yds. loading and placing surface stone;
(6) 8000 cu. yds. mi. hauling surfacing stone;
(7) 17,000 cu. yds. mineral aggregates;
(8) 1000 tons 95 plus Asphaltic oil;
(9) 300 tons MC-1 Grade Liquid Asphalt;
(10) 280 tons R. C.-3 Grade Liquid Asphalt;

Plans and specifications obtainable from above office upon deposit of $10 per set.

BIDS WANTED

LINCOLN COUNTY, Nev. — Until Sept. 19, 2:45 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg. Carson City, to construct an asphaltic roadmix surface on a portion of the state highway system in Lincoln County, Route 7, Section A2, between 26 miles north of south county line and Alamo, a length of approximately 14.38 miles. The work involves:
(1) 237,336 gal. asph. road material, Type SC-2;
(2) 21 097 gal. asph. road material, Type MC-2;
(3) 14.38 miles roadmix;
(4) 14.38 miles finish roadway.

Plans and specifications obtainable from above office by bona fide prospective bidders upon deposit of $5; $2.50 returnable.

COMPLETE BIDS

BUTTE and Plumas Cos., Cal.—Hayward Building Material Co., Atherton and Jackson Sts., Hayward, at $3,864, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, F. W. Haselwood, District Engineer, Redding, for 12 miles of fuel oil treatment in Butte and Plumas counties between West Branch & Jarboe Pass and between Belden and 1.75 miles east of Rich.

The work requires 1,680 bbls. fuel oil in place.

Complete bids follow:

Hayward Bldg. Material Co., Hayward, $2.30 per bbl.; total, $3,864.

Tiffany Constr. Co., San Jose, $2.60 per bbl.; total, $4,368.

C. F. Fredericksen & Sons, Lower Lake, $2.63 per bbl.; total, $4,418.40.

BIDS WANTED

ELDORADO COUNTY, Cal.—Until September 18, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A (portion) of Route 32, the Placerville - Lake Tahoe National Forest Highway, Eldorado National Forest, Eldorado County, a length of 0.962 mi. The work involves:
(1) 7.5 acres clearing;
(2) 107,700 cu. yds. unclass. excav.;
(3) 1200 cu. yds. do for structures;
(4) 640,000 sta. yds. overhaul;
(5) 0.962 mi. finishing earth graded road;
(6) 134 lin. ft. C. M. P.;
(7) 543 cu. yds. concrete;
(8) 71,000 lbs. reinforcing steel;
(9) 12 each culvert markers;
(10) 7000 gals. furnishing and applying liquid asphaltic road material.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS POSTPONED

SANTA CLARA COUNTY, Calif.—Until September 17, 11 A. M., (date postponed from Sept. 10) bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the improvement of Campbell Ave. between Santa Clara - Los Gatos road and San Tomas Aquino road. Supervisor Districts 4 and 5. The work involves about 156,000 sq. ft. of pavement (oil macadam).

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until September 17, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the improvement of Aborn road in Supervisor District No. 2. The work involves 80,452 sq. ft. of asphalt macadam pavement (road oil mix).

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

BIDS WANTED

MADERA CO., Cal.—Until Sept. 14, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for the following station work on Section A of Route 74, the North Fork National Forest Highway, Sierra National Forest, Madera County:

(1) "NR" project 74-A5, fencing, involving approximately 1,500 l.f. hog fence and 18,195 l.f. barbed wire fence;

(2) "NR" project 74-A5, bituminous dust palliative, involving approximately 55,000 gallons applying liquid asphaltic road material Type SC-2.

Plans and specifications obtainable from the above office or from the resident engineer's office at The Pines, Bass Lake, Calif.

CONTRACT AWARDED

TRINITY COUNTY, Calif. — Harms Bros., 5220 21st St., Sacramento, at $0.58 per c.y. submitted low bid and awarded contract by the U. S. Bureau of Public Roads at the office of the Resident Engineer, Douglas City, for widening about 0.284 mile of Section "A" of Route 5, the Douglas City-Peanut National Forest Highway, Trinity National Forest, Trinity County, involving about 4,000 c.y. of unclassified excavation.

The other bids were:
Hemstreet & Bell, Marysville..... $0.60
Granfield, Farrar and Carlin, San Francisco 0.62

BIDS WANTED

LINN COUNTY, Oregon — Until Sept. 21, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the North Santiam Highway Project FHEC-24-F1, National Forest Road Project, located within the Willamette National Forest, Linn County, Oregon. The length of the project is 0.963 mile and involves:
(1) 10 acres grubbing;
(2) 61,050 cu. yds. unclass. excav.;
(3) 32,000 sta. yds. overhaul;
(4) 40 each dangerous trees & snags
(5) 4 acres roadside cleanup;
(6) 440 lin. ft. reinforced concrete pipe (Alt.);
(7) 1200 cu. yds. loose riprap.

Plans and specifications obtainable from above office upon deposit of $10 per set.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

RIVERSIDE COUNTY — 6.8 MILES GRADING — (STATE)

RIVERSIDE COUNTY, Cal.—Mittry Bros. Const. Co., 5531 Downey Road, Los Angeles, submitted the low bid to C. H. Purcell, State Highway Engineer, State Bldg., Los Angeles, Aug. 30, at $360,809.90, for highway construction in Riverside County, between 1.5 miles north of Moreno and 2.5 mi. west of Beaumont (VIII-Riv-19-D), about 6.8 miles in length, to be graded and surfaced with oil treated crushed gravel or stone, involving:

(1) 90 acres clearing and grubbing right-of-way;
(2) 1,260,000 cu. yds. rdwy. excav. unclass.;
(3) 5,333,000 sta. yds. overhaul;
(4) 12,600 cu. yds. struc. excav.;
(5) 650 cu. yds. Class A Portland cement concrete, structures;
(6) 63,000 lbs. bar reinf. steel, strucs.
(7) 3430 lin. ft. 24-in. C.M.P.;
(8) 1016 lin. ft. 30-in. C.MP;
(9) 2136 lin ft. 36-in. C.M.P.;
(10) 88 lin. ft. 42-in. C.M.P;
(11) 544 lin ft. 48-in. C.M.P.;
(12) 228 lin ft. 54-in. C.M.P.;
(13) 28,300 tons crushed gravel or stone surfacing;
(14) 1400 tons fuel oil surfacing;
(15) 135 tons fuel oil shoulders;
(16) 16,400 sq. yds. mixing fuel oil and earth shoulders;
(17) 19,000 M. gals. water;
(18) 30,000 lin. ft. erosion protection mats;
(19) 7.9 mi. new property fence;
(20) 27 each fence gates complete in place;
(21) 357 stations finishing roadway;
(22) 100 monuments complete in place

The state will furnish corrugated metal pipe.

The total bids were:

(A) Mittry Bros. Const. Co., Los Angeles, $360,809.90.
(B) Griffith Co., Los Angeles, $364,-469.40.
(C) Sharp & Fellows Contr. Co., Los Angeles, $372,772.70.
(D) Granfield, Farrar and Carlin, San Francisco, $372,772.70.
(E) Jahn & Bressi Const. Co., Los Angeles, $389,418.50.
(F) Oswald Bros., Los Angeles, $359,-430.05.
(G) C. W. Wood, Stockton, $390.220.
(H) J. F. Knapp, Oakland, $419,604.
(I) Daley Corp., San Diego, $447,090.40.
(J) United Concrete Pipe Corp., Los Angeles, $448,983.20.
(K) Basich Bros., Los Angeles, $474,-739.30.
(L) C. O. Sparks, Sander Pearson & Mundo Engr. Co., Los Angeles, $478,998.40.
(M) Hanrahan - Wilcox Corp., San Francisco, $479,705.80.
(N) D. McDonald, Sacramento, $484,-866.50 (check insufficient).

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
(1)	$15.00	$40.00	$80.00	$50.00	$20.00	$100.00	$100.00	$70.00	$17.00	$70.00	$35.00	$50.00	$20.00	$100.00
(2)	.195	.169	.18	.20	.21	.19	.18	.19	.228	.22	.24	.25	.245	.23
(3)	.002	.003	.004	.0025	.0025	.002	.005	.005	.005	.005	.005	.003	.005	.005
(4)	.40	.60	.60	.85	.50	.85	.75	.50	.75	.70	.75	.60	.70	1.20
(5)	12.50	22.00	16.00	15.50	18.00	18.50	15.00	20.00	20.00	20.00	20.00	16.50	20.00	18.00
(6)	.05	.04	.04	.04	.04	.04	.045	.05	.05	.06	.05	.06	.05	.06
(7)	.40	.50	.25	.32	.40	.80	.50	.60	.35	1.00	.50	.36	.50	.50
(8)	.50	.60	.30	.40	.50	.85	.50	.70	.60	1.00	.60	.45	.60	1.00
(9)	.50	.80	.35	.45	.75	1.30	.75	.80	.90	1.20	.70	.55	.70	1.00
(10)	1.00	1.00	.50	.50	1.00	1.35	1.00	1.00	1.20	1.50	.80	.65	.90	3.00
(11)	1.10	1.25	.60	.55	1.50	1.40	1.50	1.25	2.15	1.50	1.00	.75	1.20	3.00
(12)	1.25	1.50	.80	.65	1.75	1.50	1.50	1.50	2.40	2.00	1.20	.80	2.00	4.00
(13)	1.75	2.20	1.80	1.60	1.75	2.15	2.00	2.75	2.23	1.90	2.00	2.15	2.50	2.10
(14)	7.90	8.00	8.00	9.00	8.00	8.65	8.00	8.00	10.00	10.00	9.00	10.00	8.10	10.00
(15)	8.00	9.00	8.60	9.50	10.00	9.25	9.00	10.00	9.40	15.00	9.50	10.00	8.60	20.00
(16)	.04	.03	.08	.05	.04	.04	.06	.09	.045	.15	.04	.05	.03	.21
(17)	.50	.50	.55	.65	.40	.40	1.00	.75	.30	.60	1.10	1.50	.70	1.00
(18)	.20	.38	.35	.25	.20	.30	.20	.25	.35	.40	.50	.60	.35	.50
(19)	300.00	500.00	400.00	325.00	450.00	550.00	400.00	400.00	400.00	600.00	350.00	550.00	350.00	500.00
(20)	15.00	15.00	20.00	15.00	25.00	15.00	15.00	15.00	12.00	20.00	14.00	25.00	10.00	25.00
(21)	5.50	5.00	5.00	4.00	10.00	2.50	5.00	5.00	5.50	10.00	5.00	5.00	5.00	7.50
(22)	3.00	2.00	3.00	3.00	2.50	4.00	3.00	2.50	3.00	3.00	2.50	2.00	2.00	2.50

COMPLETE BID LISTING

LYON COUNTY, Nev.—Union Paving Co., Call Bldg., San Francisco, at $46,909.26 submitted low bid, as previously reported, and was awarded the contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the state highway system in Lyon County between two miles east of Moundhouse and Silver City, Route 17, Section A, a length of 3.44 miles.

Complete bids follow:

(A) Union Paving Co., San Francisco, $46,909.26.
(B) Dodge Const., Inc., Fallon, $47,-944.96.
(C) Nevada Rock & Sand Co., Reno, $57,514.76.
(D) Engineer's estimate, $48,412.06.

Unit quantities follow:

(1) 39,100 c.y. rdwy. excav.;
(2) 88,203 yd. sta. overhaul;
(3) 8,868 c.y. select borrow;
(4) 520 struc. excavation;
(5) 3.44 miles subgrade;
(6) 10,900 c.y. crushed stone or gravel surfacing;
(7) 42 c.y. Class B concrete;
(8) 840 lbs. reinf. steel;
(9) 778 l.f. 18-in. CMP;
(10) 436 l.f. 24-in. CMP;
(11) 76 l.f. 36-in. CMP;
(12) 11.6 M. ft. b.m. Redwood;
(13) 4.7 M. ft. b.m. salvaged timber;
(14) remove buildings, lump sum;
(15) 126 each monuments;
(16) 3.44 miles finish roadway;
(17) 35 c.y. cement rubble masonry.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .62	$ .55	$ .70	$ .60
(2)	.02	.02	.02	.02
(3)	.40	.55	.80	.50
(4)	1.25	1.50	1.75	1.50
(5)	100.00	100.00	100.00	100.00
(6)	.80	1.00	1.10	.90
(7)	25.00	25.00	28.00	25.00
(8)	.10	.10	.07	.10
(9)	2.00	2.00	2.00	2.00
(10)	3.00	3.00	3.00	2.75
(11)	5.00	5.50	5.50	5.00
(12)	125.00	120.00	105.00	120.00
(13)	50.00	75.00	25.00	60.00
(14)	.....	800.00	.....	500.00
(15)	2.50	3.00	4.00	3.50
(16)	100.00	150.00	150.00	150.00
(17)	12.00	12.00	12.00	12.00

BIDS OPENED

SACRAMENTO, Calif. — McGillivray Const. Co., Folsom Blvd. and 65th St., Sacramento, at $11,746.53 submitted low bid to the Sacramento City Council August 23, for the improvement of the easterly one-half of Land Park Drive from the center line of Vallejo Way from the easterly line of Land Park Drive to a point 123 feet west of 17th Street.

Complete bids follow:

(A) McGillivray Const. Co., Sacramento, $11,746.53.
(B) A. Teichert & Son, Sacramento, $12,076.00.
(C) J. R. Reeves, Sacramento, $12,112.

Unit quantities follow:

(1) 1 cast iron gutter drain, installed, complete;
(2) 3 cast iron gutter drains, reset;
(3) 1,557 l.f. concrete curb and gutter, combined, constructed complete in place;
(4) 6,445 sq. ft. concrete sidewalk, 3½-in. thick;
(5) 1,307 c.y. excavation (grading);
(6) 4 c.y. fill (grading);
(7) 65 l.f. vitrified iron stone sewer pipe;
(8) 31,684 sq. ft. asphalt concrete, 3-in. thick, (pouring on cement gravel sub-base 4-in. thick, put in place with seal coat);
(9) 1 electric street lighting system, complete.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 22.50	$ 21.50	$ 25.00
(2)	5.00	5.00	7.50
(3)	1.48	1.55	1.45
(4)	.195	.20	.18
(5)	.85	.93	.83
(6)	.20	.10	.50
(7)	.92	.98	.83
(8)	.148	.147	.158
(9)	2300.00	2400.00	2500.00

All bids held under advisement.

MULTNOMAH COUNTY, Oregon—Sam Orino, Ralph Bell and C. T. Malcom, 447 Sherlock Bldg., Portland, bidding jointly, as previously reported, submitted low bid to the U. S. Engineer Office, Customhouse, Portland, at $826,247.50 (Schedule I) and at $804,582.50 (Schedule II), for constructing a railroad grade, including tunnel work, bridge and foundation work, grading for road changes, extensions or additions, installation of drainage pipes and openings, a construction camp and pertinent facili-

ties for 200 or more men, and all incidental work required on or in connection with the Sections "A" and "C" for the relocation of the Oregon-Washington Railroad & Navigation Company's line of railroad between mile post 37.58 and Cascade Locks, Multnomah County, Oregon, under Bid No. 35-92.

Complete total bids follow:

(A) Sam Orino, Ralph Bell and C. T. Malcom, 447 Sherlock Bldg., Portland, (Sched. I), $826,247.50; (Sched. II), $804,582.50.

(B) Dunn & Baker, Klamath Falls, $880,682.25; $859,619.75.

(C) Winston Bros. Co., Northwestern Bank Bldg., Minneapolis; W. A. Bechtel Co., Inc., 155 Sansome St., San Francsisco, & H. J. Kaiser Co., 508 16th St., Oakland, $945,036; $872,991.

(D) Guy F. Atkinson Co. of Oregon, Porter Bldg., Portland, $973,770 $932,145.

(E) General Constr. Co., and J. F. Shea Co., Inc., Henry Bldg., Portland, $989,395.50; $938,390.50.

(F) S. S. Magoffin Co., Adrian, Ore., $1,038,842; $997,582.

(G) P. L. Crooks & Co., Inc., and the Lawler Corp., Henry Bldg., Portland, $1,086,425; $1,025,000.

(H) Utah Constr. Co., Ogden, Utah, and Morrison - Knudsen Co., Boise, Idaho, $1,279,641; $1,224,-726.

(I) Engineer's Estimate, $1,157,594; $1,097,644.

Bids were taken as follows:

SCHEDULE NO. 1

ROADWAY DRAINAGE & GRADING

(1) 35 acres clearing;
(2) 120,000 cu. yds. excav., solid rock
(3) 25,000 cu. yds. excav., medium;
(4) 20,000 cu. yds. excav., common;
(5) 1,250,000 sta. yds. overhaul (excavation);
(6) 25,000 cu. yds. borrow, solid rock
(7) 200,000 cu. yds. borrow, unclassified;
(8) 9,000,000 sta. yds. overhaul (borrow);

STRUCTURES

(9) 900 cu. yds. wet excavation;
(10) 2200 cu. yds. Class B concrete;
(11) 16,000 lin. ft. timber piling in place below cutoff;
(12) 4000 lin. ft. timber piling above cutoff;

TANNER CREEK VIADUCT

(13) 1250 cu. yds. Class A concrete;
(14) 5250 cu. yds. Class B concrete;
(15) 640,000 lbs. reinforcement in place;
(16) 60 tons placing and erecting structural steel;
(17) 60 tons painting structural steel;

TUNNEL WORK

(18) 25,000 cu. yds. tunnel excavation
(19) 5500 cu. yds. concrete tunnel lining and portals;
(20) 112,000 lbs. tunnel reinforcement in place;

PIPE CULVERTS

(21) 400 lin. ft. corrugated galvanized steel pipe, 18-in. dia., 12 gauge;
(22) 315 lin. ft. corrugated galvanized steel pipe, 24-in. dia., 10 gauge;
(23) 50 lin. ft. corrugated galvanized steel pipe, 36-in. dia., 10 gauge;
(24) 40 lin. ft. corrugated galvanized steel pipe, 42-in. dia., 10 gauge;

RIPRAPPING

(25) 200,000 cu. yds. rock riprap, in place;

CONSTRUCTION CAMP

(26) 1 job mess hall and kitchen;
(27) 17 each bunk houses;
(28) 1 job bath house;
(29) 8 MFBM sidewalks and steps;
(30) 200 lin. ft. 2½-in. galv. steel pipe water main in place;
(31) 70 lin. ft. 1½-in. galvanized steel pipe water main in place;
(32) 2 each 2½-in. galvanized steel fire hydrants in place;
(33) 1 job hose cart and hose with attachments furnished.

SCHEDULE NO. 2

ROADWAY, DRAINIGE & GRADING

(1) 35 acres clearing;
(2) 120,000 cu. yds. excav., solid rock
(3) 25,000 cu. yds. excav., medium;
(4) 20,000 cu. yds. excav., common;
(5) 1,250,000 sta. yds. overhaul (excavation);
(6) 30,000 cu. yds. borrow, solid rock
(7) 280,000 cu. yds. borrow, unclass.;
(8) 12,000,000 sta. yds. overhaul (borrow);

STRUCTURES

(9) 800 cu. yds. wet excavation;
(10) 300 cu. yds. Class A concrete;
(11) 5800 cu. yds. Class B concrete;
(12) 13,000 lin. ft. timber piling in place below cutoff;
(13) 3500 lin. ft. timber piling above cutoff;
(14) 100,000 lbs. reinforcement in place;

UNDER PASS—STATION 2113 PLUS

(15) 1 job placing and erecting girder beam deck;
(16) 1 job furnishing and erecting pipe railing;

TUNNEL WORK

(17) 25,000 cu. yds. tunnel excavation
(18) 5500 cu. yds. concrete tunnel lining and portals;
(19) 112,000 lbs. tunnel reinforcement in place;

PIPE CULVERTS

(20) 400 lin. ft. corrugated galv. steel pipe, 18-in. dia., 12 gauge;
(21) 315 lin. ft. corrugated galv. steel pipe, 24-in. dia., 10 gauge;
(22) 50 lin. ft. corrugated galv. steel pipe, 36-in. diameter, 10 gauge;
(23) 40 lin. ft. corrugated galv. steel pipe, 42-in. dia., 10 gauge;

RIPRAPPING

(24) 300,000 cu. yds. rock riprap in place;

CONSTRUCTION CAMP

(25) 1 job mess hall and kitchen;
(26) 17 each bunk houses;
(27) 1 job bath house;
(28) 8 MFBM sidewalks and steps;
(29) 200 lin. ft. 2½-in. galv. steel pipe water main in place;
(30) 70 lin. ft. 1½-in. galv. steel pipe water main in place;
(31) 2 each 2½-in. diameter galv. steel fire hydrants in place;
(32) 1 job hose cart and hose with attachment furnished.

SCHEDULE 1

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 200.00	$ 300.00	$ 230.00	$ 250.00	$ 250.00	$ 300.00	$ 500.00	$ 300.00
(2)	.90	1.10	1.60	.85	1.44	1.18	1.30	1.89
(3)	.50	.50	.90	.85	.65	.60	1.30	.60
(4)	.28	.30	.60	.85	.35	.40	1.30	.40
(5)	.01	.075	.007	.005	.01	.005	.005	.015
(6)	.90	.50	.28	.55	1.00	.95	.40	.90
(7)	.30	.35	.28	.55	.32	.345	.40	.37
(8)	.004	.065	.005	.002	.006	.035	.005	.007
(9)	5.00	5.00	4.60	25.00	5.00	3.00	10.00	6.00
(10)	15.40	13.75	15.00	15.00	13.00	12.00	15.00	15.00
(11)	.32	.45	.63	.15	.75	.77	.50	1.00
(12)	.24	.25	.30	.28	.25	.20	.25	.25
(13)	19.50	16.75	31.00	25.00	19.00	21.00	30.00	21.00
(14)	18.20	14.90	20.70	20.00	18.00	18.00	20.00	21.00
(15)	.04	.045	.04	.04	.045	.047	.05	.045
(16)	25.00	22.00	23.00	5.00	20.00	32.50	50.00	24.00
(17)	10.00	3.00	4.00	11.00	3.00	4.50	10.00	7.50
(18)	3.50	3.00	4.00	6.00	4.85	6.32	5.00	5.23
(19)	15.00	12.50	15.50	13.50	13.50	12.00	15.00	15.00
(20)	.04	.045	.048	.04	.045	.05	.05	.05
(21)	3.00	3.00	3.00	5.00	3.25	3.40	5.00	3.50
(22)	4.50	4.75	5.00	7.50	4.50	5.40	7.00	5.00
(23)	6.50	7.00	8.00	10.00	7.50	7.40	12.00	8.00
(24)	7.50	8.00	10.00	6.00	9.00	9.40	15.00	9.00
(25)	.65	.75	.50	.60	.70	.91	.80	1.25
(26)	3449.00	4000.00	3500.00	4000.00	4000.00	2950.00	4000.00	3400.00
(27)	628.00	700.00	800.00	500.00	750.00	900.00	1000.00	800.00
(28)	2479.00	3000.00	3300.00	3700.00	3000.00	2500.00	3500.00	2400.00
(29)	40.00	42.00	40.00	50.00	45.00	50.00	50.00	50.00
(30)	.80	.85	1.30	1.00	1.00	.80	1.50	1.00
(31)	.70	.75	1.00	.50	.90	.50	1.00	.80
(32)	36.00	40.00	50.00	40.00	25.00	45.00	50.00	40.00
(33)	135.00	200.00	200.00	125.00	150.00	130.00	200.00	200.00

SCHEDULE II

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 200.00	$ 300.00	$ 230.00	$ 250.00	$ 250.00	$ 300.00	$ 500.00	$ 300.00
(2)	.90	1.10	1.60	.85	1.44	1.18	1.30	1.89
(3)	.50	.50	.90	.85	.65	.60	1.30	.60
(4)	.28	.30	.60	.85	.35	.40	1.30	.40
(5)	.01	.075	.007	.005	.01	.005	.005	.015
(6)	.90	.50	.26	.05	1.00	.95	.40	.90
(7)	.30	.35	.26	.55	.32	.395	.40	.35
(8)	.004	.065	.005	.002	.006	.036	.05	.007
(9)	5.00	5.00	4.60	4.50	5.00	3.00	10.00	6.00
(10)	19.50	16.75	25.00	37.00	15.00	24.00	30.00	21.00
(11)	15.40	13.75	16.40	24.50	12.00	14.00	15.00	15.00
(12)	.32	.45	.63	.50	.75	.77	.50	1.00
(13)	.24	.25	.30	.15	.25	.20	.25	.25
(14)	.04	.045	.065	.04	.005	.047	.05	.05
(15)	1500.00	1100.00	1150.00	1500.00	900.00	850.00	2000.00	1000.00
(16)	250.00	250.00	350.00	300.00	200.00	100.00	300.00	200.00
(17)	3.50	3.00	4.00	6.00	4.85	6.32	5.00	5.23
(18)	15.00	12.50	15.50	11.00	13.50	12.00	15.00	15.00
(19)	.04	.045	.048	.04	.045	.05	.05	.05
(20)	3.00	3.00	3.00	3.50	3.25	3.40	5.00	3.50
(21)	4.50	4.75	5.00	5.00	4.50	5.40	7.00	5.00
(22)	6.50	7.00	8.00	7.50	7.50	7.40	12.00	8.00
(23)	7.50	8.00	10.00	10.00	9.00	9.40	15.00	9.00
(24)	.65	.75	.50	.60	.70	.91	.80	1.25
(25)	3449.00	4000.00	3500.00	4000.00	4000.00	2950.00	4000.00	3400.00
(26)	628.00	700.00	800.00	500.00	750.00	900.00	1000.00	800.00
(27)	2479.00	3000.00	3300.00	3650.00	3000.00	2500.00	3500.00	2400.00
(28)	40.00	42.00	40.00	50.00	45.00	50.00	50.00	60.00
(29)	.80	.85	1.30	1.00	1.00	.80	1.50	1.00
(30)	.70	.75	1.00	.50	.90	.50	1.00	.80
(31)	36.00	40.00	50.00	40.00	25.00	45.00	50.00	40.00
(32)	135.00	200.00	200.00	175.00	150.00	130.00	200.00	200.00

BUTTE SLOUGH — OUTFALL GATES — (GOVT.)

SACRAMENTO, Cal.—S. H. Palmer Co., 444 Market St., San Francisco, at $85,517 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. 6417, for the construction of the Butte Slough culvert type outfall gates, for the passage of flood waters from Butte Basin to the Sacramento River. Seven of the pipes are to be located in Butte Slough about 3.75 miles downstream from Colusa, and one pipe will be placed in a small drainage ditch about 0.5 mile upstream from the junction of Butte Slough and Sacramento River, near "Jap Camp." The work involves:

(1) 56,000 cu. yds. common excav.;
(2) 5200 cu. yds. borrow;
(3) 600 lin. ft. piling, round timber
(4) 7700 FBM timber and lumber;
(5) 1750 lin. ft. 66-in. pipe;
(6) 178 lin. ft. 78-in. pipe;
(7) 7 each intake gates, complete;
(8) 7 each 66-in. automatic drainage gates;
(9) 1 each 78-in. automatic drainage gates;
(10) 2350 lbs. structural steel;
(11) 485 cu. yds. gravel;
(12) 1810 cu. yds. cobblestones.
(13) (Contingena Item) 8000 sq. ft. steel piling.

Total bids follow:

(A) S. H. Palmer Co., San Francisco, $85,517.
(B) Union Paving Co., San Francisco, $86,110.50.
(C) J. R. Reeves and Lord & Bishop, Sacramento, $89,380.40.
(D) Frank C. Cuffe, San Rafael, $90,-104.50.
(E) Schuler & McDonald, Inc., Oakland, $91,579.40.
(F) Ben C. Gerwick, San Francisco, $92,175.
(G) Olympian Dredging Co., San Francisco, $96,938.69.
(H) Engineer's Estimate*, $79,535.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .30	$ .35	$ .29	$ .30	$ .59	$ .50	$ .272	$ .288
(2)	.30	.35	.29	.40	.30	.50	.272	.288
(3)	1.50	2.00	1.10	2.00	1.50	2.00	1.27	.818
(4)	60.00	.10	.07	.10	77.00	.10	112.03	.807
(5)	23.00	21.00	23.50	24.00	17.60	18.50	23.75	19.32
(6)	25.00	29.50	31.30	29.00	24.00	15.00	29.18	23.50
(7)	1000.00	1000.00	850.00	960.00	428.00	900.00	1022.13	910.00
(8)	500.00	600.00	500.00	600.00	756.00	500.00	593.01	487.71
(9)	1000.00	900.00	800.000	900.00	760.00	800.00	937.64	720.00
(0)	.16	.20	.12	.15	.19	.20	.143	.073
(11)	1.40	2.58	3.00	2.00	2.00	2.00	3.30	.779
(12)	4.00	2.70	4.00	4.00	4.00	4.00	4.52	4.307
(13)	.20	.30	.60	.25	.40	.50	1.22	5.558

*Engineer's estimate is based on cost basis only, no profit included.

All bids held under advisement.

NYE COUNTY, NEV.—16.61 MI. Grade & Surface—(State)

NYE COUNTY, Nev.—Geo. French, Jr., P. O. Box 107, Stockton, at $62,-365.15, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, S. C. Durkee, State Highway Engineer, for the construction of a portion of the state highway system in Nye county between the California-Nevada state line and the junction with Route 5, Route 29, Section A, a length of 16.61 miles.

The work involves:

(1) 53,600 c.y. roadway excav.;
(2) 61,365 sta. yds. overhaul;
(3) 3,047 c.y. select borrow;
(4) 1,000 c.y. structure excavation;
(5) 16.61 miles subgrade;
(6) 47,600 c.y. crushed gravel or stone surface;
(7) 90 c.y. Class B concrete;
(8) 2,030 lbs. reinforcing steel;
(9) 1,926 l.f. 18-in. CMP;
(10) 472 l.f. 24-in. CMP;
(11) 270 l.f. 30-in. CMP;
(12) 260 l.f. 36-in. CMP;
(13) 52 l.f. 48-in. CMP;
(14) 44 each monuments;
(15) 16.61 miles finishing rdwy.

Complete bids follow:

(A) George French, Jr., Stockton, Cal. $62,365.15.
(B) Union Paving Co., San Francisco, $62,595.25.
(C) Nevada Rock & Sand Co., Reno, $66,188.90.
(D) Dodge Const., Inc., Fallon, $66,-616.70.
(E) Isbell Const. Co., Carson City, $67,388.70.
(F) Gibbons & Reed Co., Salt Lake City, $70,241.40.
(G) Engineer's estimate, $74,556.35.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .25	$ .30	$ 28	$ .25	$ .35	$ .29	$ .32
(2)	.02	.02	.04	.02	.02	.04	.03
(3)	.35	.35	.60	.50	.40	.60	.40
(4)	1.00	1.00	1.50	1.00	1.00	.75	1.00
(5)	50.00	50.00	100.00	100.00	100.00	100.00	100.00
(6)	.70	.65	.65	.76	.65	.71	.80
(7)	25.00	25.00	28.00	25.00	30.00	28.00	30.00
(8)	.08	.05	.07	.08	.10	.07	.07
(9)	1.75	2.00	2.00	2.00	2.00	2.20	2.00
(10)	2.50	3.00	3 00	2.75	2.80	3.40	3.00
(11)	3.50	3.50	4 00	3.25	3.40	3.80	4.00
(12)	5.50	6.00	5 50	6.50	5.25	6.00	5.50
(13)	7.50	7.00	10.00	8.60	8.25	9.50	6.50
(14)	3.00	3.00	4.00	3.00	3.00	3.00	8.50
(15)	100.00	50.00	100.00	100.00	100.00	160.00	150.00

Chimney Plates $2.00 Each
OCEAN SHORE IRON WORKS
Phone MArket 0462 550 Eighth St., S F

BIDS OPENED

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., San Francisco, at $29,-240.50 submitted the only bid to the Public Utilities Commission, City Hall, for the reconstruction of the Market Street railway tracks between Geary and Sutter Streets.

Unit bids follow:

(1) 20,000 sq. ft. removing pave., $.22;
(2) 2 installing and removing temporary crossovers, $1,325;
(3) 2,230 ft. removing existing rail, ties, and fastenings, and hauling the material to the Municipal pipe yard, single track, $.55;
(4) 850 c.y. excavation below pavement, $2.50;
(5) installing drainage system (lump sum), $100;
(6) 650 c.y. furnishing crushed rock ballast, $2.50;
(7) 2,230 ft. constructing girder rail track including hauling materials, but exclusive of excavation, paving and bonding, single track, $3.50;
(8) 20,000 sq. ft. asphaltic pavement on concrete base, $.32;
(9) 4,000 sq. ft. asph. conform pavement, consisting of asph. roncrete wearing surface, including removal of existing asphalt surface, $.15;
(10) 1,500 sq. ft. concrete base for asphalt conform pavement, including removal of existing base, $.35;
(11) 2,230 ft. concrete stringer, single track.

Bid held under advisement. Municipal Railway Contract No. 165.

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COMPLETE BID LISTING

MONO COUNTY, Cal.—Hemstreet & Bell, 501 11th St., P. O. Box 550, Marysville, at $6,862, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. W. Lowden, District Engineer, Bishop, for grading and surfacing with selected material about 1.2 miles in Mono County between Whiskey Canyon and Yerby's.

Complete bids follow:

(A) Hemstreet & Bell, Marysville, $6,-862.00.
(B) Basich Bros., Torrance, $7,230.00.
(C) D. C. Follis, Glendale, $7,946.50.

Unit quantities follow:

(1) 3,700 c.y. rdwy. excav., unclass.;
(2) 5,000 s.y. overhaul;
(3) 1,850 c.y. imported borrow;
(4) 60 c.y. structure excavation;
(5) 1,575 c.y. select surface material;
(6) 200 bbls. fuel oil;
(7) 0.6 mile scarify and reshape existing roadbed;
(8) 314 l.f. 24-in. CMP;
(9) 120 M. gals. water;
(10) 63 stations finish roadway.

Unit prices follow:

	(A)	(B)	(C)
(1)	$ .60	$ .85	$ .80
(2)	.02	.01	.03
(3)	.55	.60	.50
(4)	2.50	1.00	2.00
(5)	.80	.80	.50
(6)	3.50	3.50	4.50
(7)	600.00	150.00	1200 00
(8)	3.00	1.00	2.00
(9)	2.00	2.00	3.00
(10)	7.50	7.00	12.00

COMPLETE BID LISTING

ORMSBY COUNTY, Nevada.—Silver State Const. Co., Fallon, at $3,814.30 submitted low bid, as previously reported, and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of an asphaltic roadmix surface on a portion of the state highway system in Ormsby County between the junction with Route 5, south of Carson City and Stewart Indian School and within the Indian School, a length of approximately 1.78 miles.

Complete bids follow:

(A) Silver State Const. Co., Fallon, $3,814.30.
(B) Geo. French, Jr., Stockton, Calif., $4,371.76.
(C) Dodge Const., Inc., Fallon, $5,-248.80.
(D) Jack Casson, Oakland, Cal., $4,-435.55.
(E) Engineer's estimate, $4,358.30.
Unit quantities follow:
(1) 1.03 miles reshape roadway;
(2) 132 lin. ft. 18-in. CMP;
(3) 33,016 gals. asphalt road material, Type SC-2;
(4) 1.03 miles roadmix;
(5) 1.03 miles finish roadway;
(6) 7,946 sq. yds. processing.
Unit bids follow:

	$100.00	$200.00	$500.00	$500.00	$400.00
(2)	1.50	2.00	2.50	2.50	2.50
(3)	.07	.07	.075	.07	.07
(4)	500.00	700.00	1000.00	600.00	600.00
(5)	50.00	150.00	100.00	25.00	50.00
(6)	.08	.09	.10	.08	.08

COMPLETE BID LISTING

ELKO COUNTY, Nev.—N. M. Ball, 1889 Yosemite Road, Berkeley, at $42,-929.10, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the state highway system in Elko County within the city of Elko between Sixth St. and 436 ft. east of Thirteenth St., Route 1, Section A3 and B, a length of 0.57 mile.

Complete bids follow:
(A) N. M. Ball, Berkeley, Calif., $42,-929.10.
(B) Hoops Const. Co., Twin Falls, Ida. $48,669.60.
(C) Olof Nelson, Logan, Utah, $49,-409.20.
(D) Engineer's estimate, $46,581.50.
Quantities follow:
(1) 66 l.f. remove culvert pipe;
(2) 2,070 c.y. rdwy. excavation;
(3) 910 c.y. struc. excavation;
(4) 11,100 sq. yds. subgrade for pave.
(5) 1.995 c.y. cement concrete surf.;
(6) 227 c.y. Class A concrete;
(7) 10 c.y. Class B concrete;
(8) 38,080 lbs. reinforcing steel;
(9) 976 l.f. 15-in. vitrified pipe;
(10) 1,170 l.f. 18-in. vitrified pipe;
(11) 3,300 lbs. castings;
(12) 270 c.y. remove concrete;
(13) lump sum, salvaged material.
Unit bids follow:

	(A)	(B)	(C)	(D)
(1)....	$ 1.00	$ .50	$ 1.50	$ .75
(2)....	.70	1.00	1.10	1.00
(3)....	1.50	1.00	2.00	1.50
(4)....	.12	.05	.10	.08
(5)....	12.00	13.00	15.00	14.00
(6)....	25.00	30.00	25.00	28.00
(7)....	25.00	30.00	25.00	27.00
(8)....	.07	.07	.07	.05
(9)....	1.75	3.50	1.60	1.50
(10)....	2.25	3.50	2.30	2.00
(11)....	.12	.10	.15	.15
(12)....	5.00	5.00	2.00	5.00
(13)....	100.00	200.00	300.00	100.00

BIDS OPENED

HYRUM DAM, Utah—Following bids received by the U. S. Bureau of Reclamation, Denver, Colo., August 27, under Spec. No. 586, for furnishing:
(1) 3 16x12-ft. radial gates;
(2) 3 motor-driven, double-drum, radial gate hoists;
(3) 4 2-ft. 9-in. high pressure gates, together with hydraulic hoists, gate hangers, automatic air valves and conduit linings;
(4) 2 plate steel outlet pipes for installation in the spillway and outlet works.
Bidders follow:
(1) Mississippi Valley Structural Steel Co., discount) net; (delivery pt.) Hyrum, Utah.
(2) Rosedale Foundry & Machine Co. net; Pittsburgh, Pa.
(3) Ogden Iron Works, 1%; Ogden, Utah.
(4) Commercial Iron Works, net; Portland, Oregon.
(5) Celco Products, Inc., net; Dunkirk, N. Y.
(6) American Engineering Co., net; Philadelphia, Pa.
(7) St. Paul Foundry Co., net; St. Paul, Minn.
(8) Graver Tank & Mfg. Corp., ½%; Hyrum, Utah.
(9) Long Beach Iron Works, net; Long Beach, Calif.
(10) Cambridge Machine & Tool Co., 2%; Cambridge, Mass.
(11) Dravo Contracting Co., net; Pittsburgh (Neville Island).
(12) Midland Structural Steel Co., net; Cicero, Ill.
(13) Steel Tank & Pipe Co. of California, net; Berkeley, Calif.
(14) Lakeside Bridge & Steel Corp., net; Milwaukee, Wis.
(15) Lake Erie Engr. Corp., 1%; Buffalo, N. Y.
(16) Thomas Spacing Machine Co., ¼%; Pittsburgh, Pa.
(17) Provo Foundry & Machine Co., 1%; Hyrum, Utah.
(18) Joshua Hendy Iron Works, net; Sunnyvale, Calif.
(19) Bartlett-Hayward Co., net; Baltimore, Md.
(20) Birchfield Boiler Co., 2%; Tacoma, Wash.
(21) Thompson Mfg. Co., ½%; Hyrum, Utah.
(22) Independent Bridge Co., net; Hyrum, Utah.
(23) Aldrich Pump Co., net; Allentown, Pa.
(24) Treadwell Const. Co., net; Midland, Pa.
(25) Kansas City Structural Steel Co. net; Hyrum, Utah.
(26) Steacy-Schmidt Mfg. Co., net; York, Pa.
(27) McClintock-Marshall Corp., net Chicago, Ill.
(28) Ingalls Iron Works, net; Birmingham, Ala.
(29) Allis - Chalmers Mfg. Co., net; Milwaukee, Wis.
(30) Associated Piping & Engr. Co., Ltd., 2%; Los Angeles, Cal.
(31) Marion Machine, Foundry and Supply Co., ½%; Scottsdale, Pa.
(32) John W. Beam, ½%; Chicago, Ill., and Denver, Colo.
(33 Pacific Car & Foundry Co., net; Renton.)
Unit bids were:

	(1)	(2)	(3)	(4)
(1).....	$2273	$	$	$ .....
(2).....	.....	3090	9425	.....
(3).....	2839	6660	.....	.....
(4).....	2262	2828	9932	6254
(5).....	.....	.....	.....	4260
(6).....	.....	4872	.....	.....
(7).....	1996	.....	.....	.....
(8).....	1878	.....	.....	6276
(8).....	.....	2740	8700	.....
(10).....	.....	2625	7675	.....
(11).....	1860	.....	.....	.....
(12).....	2083	.....	.....	.....
(13).....	3120	.....	.....	6000
(14).....	2000	.....	.....	.....
(15).....	.....	.....	10968	.....
(16).....	.....	3280	12400	.....
(17).....	2375	.....	.....	5904
(18).....	.....	.....	10698	.....
(19).....	2968	4277	13000	.....
(20).....	.....	.....	.....	5064
(21).....	.....	.....	.....	6435
(22).....	3970	.....	.....	.....
(23).....	.....	3076	.....	.....
(24).....	1956	.....	.....	4892
(25).....	2169	.....	.....	.....
(26).....	1975	.....	8500	.....
(27).....	2282	.....	.....	5208
(28).....	2165	.....	.....	.....
(29).....	2172	4590	15608	6390
(30).....	.....	.....	15152	4600
(31).....	.....	3150	.....	.....
(32).....	C1600	D3300	.....	C4225
(33).....	1724	.....	.....	.....

Following firms offered combination bids:
Commercial Iron Works, (2 and 3) $12,132.
Thomas Spacing Machine Co., (2 and 3) $15,500.
Associated Piping & Engr. Co., Ltd. (3 and 4) $19,650.
All bids held under advisement.

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FABRICATED AND INSTALLED
WIRE AND WIRE MESH
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Phone UNderhill 5480
GUNN, CARLE & CO. MANUFACTURERS AGENTS BUILDING MATERIALS

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San Francisco Calif
Permit No.

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Building and Engineering News

IN THIS ISSUE

$15,000,000 Railway and Terminal Work Planned

Coast Building Gains in August

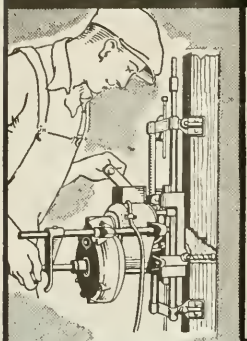
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

TMBER 15, 1934

Vol. XVII—No. 37

WAPPAT Electric TOOLS



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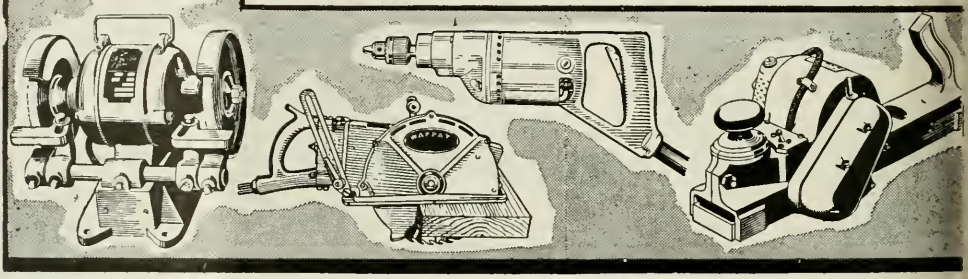
308 E. Third St., Los Angeles — MUtual 7508



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Hercules Equipment & Rubber Co.

11 MISSION STREET — SAN FRANCISCO

PACIFIC CONSTRUCTOR

WITH WHICH IS CONSOLIDATED BUILDING AND ENGINEERING NEWS

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/ol. XVII SAN FRANCISCO, CALIF., SEPTEMBER 15, 1934 No. 37

;15,000,000 Railway and Terminal Work to be Contracted for S. F. Bay Bridge

Location of the San Francisco ıay Bridge interurban railway ter- ıinal in San Francisco fronting on ſinna street between Second and eale streets was recommended in report issued yesterday by Chief ngineer C. H. Purcell.

The terminal construction will in- ɔlve contracts approximating $5,-)5,000, according to engineering stimates. The cost of the electric ıilway on the main bridge struc- ıre, rolling stock and track relo- ıtion and grade separation struc- ıre in the Eastbay is placed at $8,-)0,000. The total cost is to be fi- ıanced by a loan from the Recon- ſruction Finance Corporation not) exceed $15,000,000.

Mr. Purcell's report was made at meeting yesterday morning in the an Francisco Chamber of Com- erce attended by representatives ' many civic organizations. P. O. arding, assistant engineer, who as in charge of the investigation ' terminal sites spoke at length, etailing the considerations which ıtered into the study. Mr. Flor- ıce McAuliffe, legal advisor to the ridge commission, also was a peaker. He said that the commis- on must present its recommenda- on to the RFC before October 15, order to permit time for review ıd approval of the loan applica- on before December 31, at which me the corporation's authority to ıan money will lapse. The $15,-)0,000 figure has been set by the FC as the maximum loan it would ıant in addition to the $61,000,000 ready allotted to the bridge proj- ct. It is planned to start construc- on as soon as the plan is autho- zed.

In presenting the report, Chief ngineer Purcell said:

Financing of a bridge interurban ystem involves:

1. Sufficient additional equipment) serve the extended rail lines ross the bridge.

2. Modernization of existing ıuipment, including the installa- on of the most modern automatic ain control devices on all equip- ent operated across the bridge to rovide speed with safety in an eather.

3. Trackage facilities across the idge, connections to East Bay lines, and construction of storage yard on the East Bay mole fill.

4. Acquisition of downtown San Francisco property for approach vi- aducts and terminal station.

5. Construction of viaducts, track work, and terminal station.

Analysis of the existing traffic, together with such increase as will be stimulated by the improved transportation over the bridge, leads to the sum of $15,000,000 as that which must be the maximum capital investment for the bridge interurban railway system. Of this sum the engineers of the Southern Pacific and Key Route Companies, who have sat in with the traffic en- gineers in the study of this prob- lem, estimate that in excess of $8,- 500,000 will be required for the trackage, storage yard, East Bay track connections, safety control system, and additional rolling stock.

Studies of these railway esti- mates are now being undertaken in conjunction with engineers of the State Railroad Commission.

The interurban tracks will leave the bridge on Rincon Hill and will be connected to the station with an elevated viaduct. The station, lo- cated on Minna between Second and Beale Streets, will have five tracks with a platform between each track. It will be 780 feet in length. Access to these platforms, twenty-four feet high, will be pro- vided by a combination of ramps and stairs. The station is of the "loop" type so that as each train is loaded it may proceed to the bridge connection on Rincon Hill with no reverse movement.

It is reported that of all the ter- minals proposed, this one provides the minimum average walking dis- tance from the terminal to the com- muter's San Francisco destination of all the plans within the range of our possible capital investment.

At this location, the property re- quirements will reduce the assess- ment lists in San Francisco less than any alternate.

It is within the capital invest ment which the traffic will bear, and it lops off 1474 feet from the weighted walking distance in San Francisco of commuters using fer- ries.

S. F. CONTRACTOR LOW BIDDER ON GRADING PROJ.

Granfield, Farrar & Carlin Bid .... Santa Barbara Job at $368,268

SACRAMENTO, Sept. 12.— Bids were opened here today by the State Highway Commission on two contracts for highway improve- ments in Santa Barbara and Kern counties.

Granfield, Farrar and Carlin, at $368,2?8.35 submitted low bid on a contract for grading and oil treat- ing approximately 5.8 miles of high- way in Santa Barbara county be- tween Hollister Ave. and Painted Cave Rd. Jahn & Bressi were sec- ond low bidders, their figure being $371,482. A bidding range of more than $125,000 was represented be- tween the high and low bids.

Total bids submitted on the work in Santa Barbara county were as follows:

Granfield, Farrar & Carlin, San Francisco	$368,268
Jahn & Bressi, Los Angeles	371,482
C. W. Wood, Stockton	412,363
A. Teichert & Son, Sacramento	441,219
Peninsula Paving Co., S. F.	493,009
Sharp & Fellows Contr. Co., Los Angeles	494,555

Eight bids were submitted on a contract for surfacing with bitumi- nous treated material about 9.3 mi. of highway in Kern county, the low figure being that of C. W. Wood, at $42,579. Stewart & Nuss and John Jerkovich, bidding jointly, submit- ted the second low bid, at $45,854. Total bids submitted on the work were as follows:

C. W. Wood, Stockton	$42,579
Stewart & Nuss and John Jerkovich, Fresno	45,854
Tiffany Const. Co., San Jose	46,465
Griffith Co., Los Angeles	47,624
L. A. Brisco, Arroyo Grande	47,893
Hanrahan-Wilcox Corp., S. F.	49,757
Western Motor Transfer, Inc., Santa Barbara	51,160
Granite Const. Co., Watsonville	59,858

Production of malleable castings reached a total of 237,429 net tons during the first seven months of 1934 as compared with 141,554 net tons during the corresponding pe- riod of 1933, according to reports submitted to the Bureau of the Cen- sus by 112 manufacturers with 121 plants in operation.

CITIES REPORT AUGUST GAIN IN BUILDING

Western States Recover From July Drop; Number of Permite Increases

Building permit totals reported by principal municipal and county inspection departments in seven western states were higher in August than in either June or July and in California were higher than any month since March, according to official reports. The total indicated expenditure in August was slightly less than that of August last year and the number of permits issued was greater.

Cities reporting estimated the investment in new building, alterations and repair at $5,246,314 for August, with 6612 individual permits issued, compared with $5,827,362 in August, 1933, and 6387 permits.

In California the number of permits with 5024 valued at $4,589,018, compared with 4803 and $4,762,406 last year.

Improvement from July was reported generally, the July building volume having been adversely affected by the coast - wide labor troubles. In July the total permits were estimated at $4,435,737, approximately $800,000 lower than August.

San Francisco, Seattle and Portland reported gains over July, while lower totals were reported from Oakland and Los Angeles. Stockton appears next to Los Angeles in value of work due to award of the port warehouse contract.

Following are the ten leading coast cities ranked in value of permits for the month of August:

Los Angeles	$905,239
Stockton	663,995
San Francisco	629,728
Oakland	176,981
Portland	162,636
Seattle	147,025
Beverly Hills	133,269
Long Beach	133,099
Pasadena	102,857
San Jose	95,865

SHEET LEAD FOR TERMITE SHIELDS

The use of sheet lead shields to prevent damage by termites is suggested by the Lead Industries Association in a recent bulletin. A method of termite protection approved by the Bureau of Entomology, U. S. Department of Agriculture, calls for a non - corrosive metal shield capping the foundation walls below all woodwork and extending slightly outward and downward from the wall. Since the metal of which this shields is composed should fit snugly against the foundations to eliminate voids which might be used as passages by the termites, sheet lead, being soft and pliable, is suggested as a suitable metal for the purpose.

FHA Tells Industry How to Benefit From Community Housing Campaigns

Suggestions for Architects, Contractors and Building Supply Dealers planning to capitalize on the nation-wide drive for housing improvements being inaugurated under provisions of the National Housing Act are contained in a bulletin issued by the Federal Housing Administration, from which the following is quoted:

ARCHITECTS

1. **Cooperate** with contractors, retailers, and material dealers in preparing plans and estimates.
2. **Offer** your services as a consultant at local Better Housing headquarters.
3. **Publish plans and designs** of modernization work, and popular articles dealing with technical questions.
4. **Furnish** Publicity Committee at local headquarters with news stories and "before-and-after" photos of work.
5. **Be certain** that your name is on all architects' lists at Campaign Headquarters.

CONTRACTORS

1 **Hire Salesmen** to solicit work—spend more personal time in actual selling.
2. **Advertise services** in local papers, phone books, over the radio, in the movies, etc.
3. **Use circulars** (secured from your material dealer or manufacturer) in direct mail campaign and in personal selling.
4. **Make check lists** of the sort of modernizing jobs you can do—use them in talking to property owners to suggest work they should have done.
5. **Canvass** the entire neighborhood when you are working on a job. Show people the work you are doing. The fact that you are in the neighborhood and readily available may lead to more work.
6. **Give written estimates on jobs**—suggest other improvements that might economically be made while you have your tools and equipment on the job.
7. **Use posters** in line with the Better Housing Program on trucks and on jobs.
8. **Attend meetings** where Program is explained and where you can get merchandising ideas.
9. **Take pictures** of jobs, before and after completion, to use in sales work and to furnish to local Publicity Committee for use in papers. There is always a great demand for these "before-and-after" pictures.
10. **Join** your local Trade Associations and help make plans to follow through to get more work after the Program is ended.
11. **Arrange displays** of your work. Participate in "Modernization Exhibit," is one is held.

BUILDING SUPPLY DEALERS

1. **Prepare** your own check list of services you render, based upon lists in Property Owners' Booklet. See that all your salesmen have copies and use them to suggest modernizing ideas to property owners.
2. **Maintain** adequate stocks.
3. **Offer** free consultation service—both to individuals and at Better Housing headquarters.
4. **Advertise** in newspapers, to tie up with campaign.
5. **Use direct mail** to suggest uses of your products in modernizing.
6. **Advertise on the Radio.**—Register with local Better Housing headquarters as willing to sponsor broadcasts.
7. **Run movie advertising** supporting the Program, and "tie in" with your own material.
8. **Display posters** advertising the Program in windows and on trucks.
9. **Furnish contractors** with circulars and ads they can use in their direct sales work.
10. **Educate** your salesmen on all fundamentals of Program.
11. **Hold meetings** of contractors to explain Program, and show how they can derive most benefit. Teach your contractor customers to be salesmen.
12. **Arrange attractive window displays** of material that can be used in modernizing.
13. **Furnish stories** and "before-and-after" photos to local Publicity Committee for use in publicizing the Program.
14. **Perfect** a trade organization in your branch of the industry that will carry on after the campaign is over.
15. **Display** your materials in the "Building Materials and Equipment Exhibit" which may be held.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
430	Graham	Graham	2800
431	Walter	Unit	23000
432	Land	Owner	3500
433	California	Unit	2500
434	Gherman	Issac	11000
435	Caramangno	Vannucci	3100
437	Nelson	Owner	3750
438	Ferrerio	Ragni	4000
438	Capurro	De Velbiss	3900
439	Andruss	Salomon	1450
440	Mohler	Owner	3500
441	Grund	Owner	2500
442	Michael	Owner	4000
443	Hanslow	Callaghan	1900
444	Mason	Ostlund	3000

DWELLING
(430) W TOCOLOMA 279 N Blanken. One-story and basement frame dwelling.
Owner—William H. Graham, 2965 Mission St., San Francisco.
Architect—Not Given.
Contractor — Wm. H. Graham, 2965 Mission St., S. F. $2800

ALTERATIONS
(431) NO. 2170 VALLEJO ST. Alter dwelling into apartments.
Owner—Mr. and Mrs. H. M. Wolter, % Contractor.
Architect—Not Given.
Contractor — Unit Constr. Co., 557 Market St., S. F. $23,000

DWELLING
(432) W TWENTY-SECOND AVE. 108 W Wawona St. One-story & basement frame dwelling.
Owner — Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given. $3500

ALTERATIONS
(433) NO. 2122 LAKE ST. Alter dwelling.
Owner—California Pacific Title Co., % Contractor.
Architect—Not Given.
Contractor — Unit Constr. Co., 557 Market St., S. F. $2500

FLATS
(434) W WEBSTER 125 S Jefferson. Two-story and basement frame flats; 2 families 5 rooms each.
Owner—Mr. and Mrs. M. I. Gherman, c/o Contractor.
Architect—S. A. Colton, 544 Market St. San Francisco.
Contractor—H. H. Issac, 517 Belvedere St., San Francisco. $11,000

ALTERATIONS
(435) NO. 1924 MASON ST. Alterations to flat.
Owner—C. Carmangno, Premises.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Ave., S. F. $3100

DWELLING
(437) W TWENTY-FIRST AVE 319 N Ocean Avenue. One-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, 19th Ave. and Sloat Blvd., San Frencisco.
Architect—Not Given. $3750

DWELLING
(438) W SAN JOSE AVE. 55 S Colonial Way. One-story and basement store and dwelling.
Owner—John Ferrerio, 84A Harriet St., San Francisco.
Architect—Not Given.
Contractor—Joseph Ragni, 443 Bellevue Ave., Daly City. $4000

REPAIRS
(439) NO. 2454 TWENTY - SIXTH Ave. Repair fire damage to dwelling.
Owner—K. Andruss, % Contractor.
Architect—Not Given.
Contractor—L. Salomon, 1734 Broderick St., S. F. $1450

DWELLING
(440) E THIRTY-FOURTH AVE 100 S Anza St. One-story and basement frame dwelling.
Owner—Thomas E. Mohler, 751 28th Ave., San Francisco.
Architect—Not Given. $3500

DWELLING
(441) N FARALLONES 475 E Plymouth. One-story and basement frame dwelling.
Owner — Rudy Grund, 58 Farallones St., San Francisco.
Architect—Not Given. $2500

DWELLING
(442) E TWENTY - SECOND AVE. 200 N Ocean Ave. One-story and basement frame dwelling.
Owner—Michael & Bomerer, 762 De Haro St., San Francisco.
Architect—Not Given. $4000

REPAIRS
(443) NO. 762 FORTY-FIRST AVE. Repair fire damage to dwelling.
Owner—Mr. Hanslow, Premises.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $1900

ALTERATIONS
(444) NO. 151 POTRERO AVENUE. Alter offices.
Owner—R. N. Nason & Co., Prem.
Architect—A. F. Roller, Crocker 1st National Bank Bldg., S. F.
Contractor—Ostlund & Johnson, 1901-1905 Bryant St., S. F. $3000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
No.	Owner	Contractor	Amt.
359	Galant	Crocker	3500
360	Robbins	Chasmar	1000
361	Ligure	Campomenosi	12000
362	Six Com.	De Velbiss	6770
363	Sherwood	Owner	1000

DWELLING
(359) NO. 5873 MORPETH AVENUE, **OAKLAND.** Two-story six-room dwelling.
Owner—John Galant.
Architect—Not Given.
Contractor — H. L. Crocker Jr., 30 Wilding Lane, Oakland. $3500

ALTERATIONS
(360) NO. 1607 TRESTLE GLEN RD **OAKLAND.** Alterations and addition.
Owner—Earl Robbins, Premises.
Architect—Not Given.
Contractor—C. E. Chasmar, 4257 Sutter St., Oakland. $1000

CLUB ROUSE
(361) NO. 4721-35 SHATTUCK AVE., **OAKLAND.** One-story club house
Owner—Ligure Club Ass'n., 4786 Telegraph Ave., Oakland.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor — E. Campomenosi, 6401 Broadway Terrace, Oakland. $12,000

MIXING PLANT
(362) WEST PORTAL BROADWAY Tunnel, **OAKLAND.** Concrete mixing plant.
Owner—Six Companies of California, Premises.
Architect—Not Given.
Contractor—C. Dudley De Velbiss, 354 Hobart St., Oakland. $6770

ALTERATIONS
(363) NO. 916 CLAY ST., **OAKLAND** Alterations and repairs.
Owner — Sherwood Swan Co., Ltd., Tenth St., Market, Oakland.
Architect—Not Given. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

83	Southern Pacific	Sibley	——
84	Piombo	Cuneo	12375

FILLING IN
(83) JERROLD AVE. & NAPOLEON ST. All work for filling in Islais Creek Reclamation District.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—Not Given.
Contractor—Sibley Teaming & Grading Co., Ltd., 165 Landers St., San Francisco.
Filed Sept. 6, '34. Dated Aug. 25, '34.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $——
Bond, 1755. Surety, U. S. Guarantee Co. Limit, 60 calendar days. Forfeit, none. Plans and specifications filed.

BUILDINGS
(84) NW NINETEENTH AND CONNECTICUT Sts. 25x100. All work for two two-story & basement frame buildings.
Owner—Louis B. and Angela Piombo, 251 Arkansas St., San Francisco
Architect—Not Given.
Contractor — V. Masarie and A. V. Cuneo, 2550 19th St., S. F.
Filed Sept. 11, 34. Dated **Sept. 23, '34.**
Frame erected and roof on....$3095.75
Brown coat plaster on..... 3095.75
When completed 3095.75
Usual 35 days..... 3095.75
TOTAL COST, $12,375.00
Bond, $6187.50. Sureties, Elizabeth Caselli and Fedele da Col. Limit, 120 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER dwelling, $850; 1015 Lake St. owner, G. Ponchon, % Architect; Architect, Fabre & Hildebrand, 110 Sutter St.

SHED, $250; 5615 Geary Blvd.; owner, Purity Stores, Ltd., Kearny and Francisco Sts.

ALTER office, $300; 717 Sacramento; owner, Wah Yick Chong, Prem.; contractor, Jim Lee, 115 Waverly Place.

ALTER flats, $135; 1954-1956 Buchanan; owner, Mrs. L. Marquart, 120 18th Ave.; contractor, R. H. Kelly, 21 San Pablo Ave.

BILLBOARD, $6.25; NW Bay Shore and Paul St.; owner, Foster & Kleiser Co., 1675 Eddy St.

ALTER dwelling, $125; 619 Presia Ave.; owner, John Anderson, 619 Persia Ave.; contractor, E. C. Peterson.

SIGN, electric, $300; 440 Broadway; owner, C. Martinelli, Prem.; contractor, Brumfield, 965 Folsom St.

ALTER dwelling, $381; 4029 25th St.; owner, C. Kehoe, Premises; contractor, Carl Frank Co., 305 Bocana St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

4 — FACTORIES & WAREHOUSES

Sub-Contracts Awarded.
WAREHOUSE Cost, $27,000
SAN FRANCISCO, Ninth Street near Howard Street.
Three-story Class C loft building (concrete frame, wood joist floor, composition roof).
Owner—L. A. Myers, % Contractor.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Structural Engineer — Hyman Rosenthal, 821 Market Street.
Contractor — Jacks & Irvine, 74 New Montgomery Street.
Steel Sash and Doors—Soule Steel Co. 1750 Army St., San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts., S. F.

Plans Being Figured.
BAKERY Cost, $——
FALL RIVER MILS, Shasta Co. Cal.
Construct new bakery and store building.
Owner — Mr. Fitzwater, Fall River Mills.
Architect—Not Given.

Bids Wanted—To Close Sept. 25.
PRINTING PLANT Cost, $150,000
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
One and part two-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth St., S. F.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Following will submit bids:
Cahill Bros., 206 Sansome St.
Lindgren & Swinerton, 225 Bush St.
Dinwiddie Constr. Co., Crocker Bldg.
MacDonald & Kahn, Financial Center Bldg.
Barrett & Hilp, 918 Harlson St.

FIRE LOSS
MODESTO, Stanislaus Co., Cal.—Fire destroyed the warehouse of the Grange Company in Modesto September 6. Damage estimated at $50,000. The warehouse was operated by Alvin Turner, Modesto.

FIRE LOSS
DIXON, Solano Co., Cal.—The Roy Gill Dairy Ranch, north of Dixon was destroyed by fire September 7. Plans are already under way for rebuilding the plant at an estimated cost of $20,000.

Contract Awarded.
SILOS Cont. Price, $78,980
LONG BEACH, Los Angeles Co., Cal.
W Seventh St., Channel 3, Long Beach Harbor.
Reinforced concrete silos (each 25 ft. in dia., 60 ft. high, interstational bins, treatment mill, warehouse and packing house).
Owner—Santa Cruz Portland Cement Co. (George Cameron, President) Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner (R. A. Kinzier, Chief Engineer).
Contractor—L. E. Dixon, 609 South Grant St., Los Angeles.

To Ask Bids About Sept. 19
WAREHOUSE Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. Stockton Avenue.
One-story reinforced concrete warehouse and cutting room (126x165 feet); cement floors, reinforced concrete walls, 15-year guaranteed built-up roof, steel sahh, some structural steel, plumbing, etc.
Owner—Muirson Label Co., 435 Stockton Ave., San Jose.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.

Contract Awarded
PLANT Cost, $7000
OAKLAND, Alameda Co., Cal. West Portal, Broadway Tunnel.
Concrete mixing plant.
Owner—Six Companies of California, West Portal, Broadway Tunnel, Oakland.
Plans by Engineering Dept. of Owner.
Contractor—C. Dudley DeVelbiss, 354 Hobart St., Oakland

Planned.
BAKERY Cost, $150,000
VISALIA, Tulare Co., Cal. North Second Avenue.
Two-story brick bakery.
Owner — Visalia Baking Co. (J. A. Sutten in charge), Visalia.
Architect—Not Given.
Further details will be announced shortly.

Sub-Contracts Awarded.
BULKHEAD BLDG. Contract Price, $68,437
SAN FRANCISCO. Waterfront bet. Piers 38 and 40.
Bulkhead building (2-story steel frame timber wall, stucco front, tar and gravel roof (40x450 ft.) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.
Owner — State of California (Harbor Commission), Ferry Bldg.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Contractor — F. C. Amoroso & Sons, Wallace and Keith Sts.
Structural Steel — McClinth Marshall Co., 20th and Illinois Sts.
Miscelaneous Iron — McClintic Marshall Co., 20th and Illinois Sts.
Piling—Duncanson Harrelson Co., de Young Building.

Plans Being Figured—Bids Close Sept. 25, 4 P. M.
SHEDS Cost, $3000 each
STOCKTON, San Joaquin Co., Calif. Stockton Harbor.
Two one-story gear sheds (30x62 feet each), galvanized siding, automatic sprinkler system, wood frame, concrete floors, etc.
Owner—City of Stockton Port Commission).
Plans by Engineering Dept. of Owner City Hall, Stockton.
Buildings will be used to house equipment of stevedore companies. Plans and specifications may be obtained from the City of Stockton Port Office.

Plans Being Prepared.
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Three-story reinforced concrete brew house (40x40 feet).
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Segregated blds will be asked in about two weeks.

5— FLATS

Sub-Bids Being Taken
FLATS Cost, $5000
SAN FRANCISCO. NW Nineteenth and Connecticut Streets.
Two-story and basement frame and stucco flats (two flats); tar and gravel roof, hardwood floors, gas-fired hot air heating.
Owner—L. Piombo, 251 Arkansas St.
Private Plans.
Contractor—Masarie and Cuneo, 2550 Nineteenth Street.

Sub-Bids Being Taken
SAN FRANCISCO. N 19th Street west of Connecticut Street.
Two-story and basement frame and stucco flats (two flats); tar and gravel roof, hardwood floors, gas-fired hot air heating.
Owner—L. Piombo, 251 Arkansas St.
Private Plans.
Contractor—Masarie and Cuneo, 2550 Nineteenth Street.

Contract Awarded
FLATS Cost, $11,000
SAN FRANCISCO. W Webster St. 125 S Jefferson St.
Two-story frame and stucco flats (two 6-room flats, 2 baths each) composition and tile roof, wood sash, gas fired recessed steam radiation, tile baths and kitchen, canvas walls and ceilings, etc.
Owner—M. I. Gherman, % contractor.
Architect—Sidney A. Colton, 544 Market Street.
Contractor—H. H. Isaac, 517 Belvedere Street.

Contract Awarded
ALTERATIONS Cost, $4000
SAN FRANCISCO. 1924 Mason St.
Alterations to frame flats.
Owner—C. Caramango, 1924 Mason St.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Avenue.

6—GARAGES & SERVICE

Contract Awarded
GARAGE & SHOP Cont. Price $3590
MOUNT SHASTA, Siskiyou Co., Cal.
County garage, shop and office building for McCloud Road District.
Owner—County of Siskiyou.
Plans by County Surveyor, Yreka.
Contractor — J. W. Anderson, Mount Shasta.
Complete bids follow:
(1) deduct for salvage of old bldgs.
J. W. Anderson, Mt. Shasta.....$3,590
.....deduct 250
Luigi Consentino, Yreka 3,365
A. Young, Yreka..... 4,175

7—FEDERAL BUILDING

Plans Being Prepared
BUILDINGS Cost, $35,000
GRAND CANYON, Ariz. National Pk.
Group of buildings, including post office building, four residences, fire equipment storage building, etc. (All to be of wood frame and natural stone construction).
Owner—United States Government.
Plans by National Park Service, 525

Market St., San Francisco.
Bids will be asked shortly by the Park Superintendent, M. R. Tillotsen.

BIDS WANTED

MARYSVILLE, Yuba Co., Cal.—Until Sept. 15, bids will be received by J. M. Cremin, Postmaster, Marysville Post Office, for the installation of railings on front steps and entrance to post office at Marysville

Additional Sub-Contracts Awarded

FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny Street.
Contractor — Great Lakes Const. Co., 333 N. Michigan Ave., Chicago.
Lighting Fixtures — Schweitzer Bros., 2837 W. Pico Blvd., Los Angeles
Board Numbers and Letters on Doors —Tablet & Ticket Co., 407 Sansome Street.
Other awards previously reported.

BIDS WANTED

SAN DIEGO, Cal.—Until 11 A. M., September 20, bids will be received by the Public Works Department, Eleventh Naval District, San Diego, for replacement of refrigerating machinery at the Naval Operating Base (Training Station), San Diego; Specification 7792. The work will include removing two existing compressors with their electric motors, condensors, piping and miscellaneous appurtenances, and furnishing and installig two new ammonia compressor units, two brine circulating pumps, two cooling water circulating pumps, one water cooling tower, together with an expansion valve or valves and all appurtenant piping, electrical work, automatic controls, etc., and including also recharging the existing brine tank and brine circulating systems with new calcium chloride brine. Bidding data may be obtained from the public works officer in San Diego upon deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks.

Contract Awarded

REPAIR BLDG. Cost, $2,000
SACRAMENTO, Sacramento Co., Cal. 907 K Street.
Repairs to lodge building.
Owner—Odd Fellows, 907 K St., Sacramento.
Architect—Not Given.
Contractor, Wm. Ladne, 2319 O St., Sacramento.

BIDS WANTED

FAIRBANKS, Alaska—Bids are being received by the Custodian, Fairbanks Post Office, for wire cage, new door, etc., at the U. S. Post Office, Fairbanks.

Prospective Bidders

ADDITION Cost, $——
SAN FRANCISCO. Fourteenth Ave. and Lake St. (Marine Hospital).
Construct addition to plauge laboratory.
Owner—United States Government.
Plans by Treasury Dept., Washington, D. C.
Following have procured plans. Bids open September 21, 1 P. M.
Harry J. Oser, Hobart Bldg., San Francisco.
W. A. Osborne, Tacoma, Wash.
R. S. Silverberg Constr. Co., Financial Center Bldg., San Francisco.
Frank J. Reilly, 6350 Fulton St., San Francisco.
B. Evans, Monadnock Bldg., San Francisco.
M. E. Vukicevich, 666 Mission St.
Alfred H. Vogt Co., 250 11th St.
Wm. Spivock, Hobart Bldg.
Libbey & Libby Co., 24 2nd Ave. S. Minneapolis, Minn.
All of San Francisco unless otherwise noted.

Prospective Bidders.

POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Streets.
One-story Post Office Building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 feet.
Owner—United States Government.
Plans by Sup. Architect, Treasury Department, Washington, D. C.
Following have procured plans. Bids open September 27, 1 P. M.:
K. E. Parker, 135 South Park, San Francisco.
Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.
Wm. Spivock, Hobart Bldg., San Francisco.
A. Nelson, Inc., 242 Ocean Ave., San Francisco.
Oliver S. Almlie, 60 Sussex St., San Francisco.
G. M. Latta, 157 Rhodes Court, San Juan.
Harry J. Oser, Hobart Bldg., San Francisco.
B. Evans, Monadnock Bldg., San Francisco.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
Frank J. Reilly, 6350 Fulton Street, San Francisco.
S. W. Rindfleisch, 220 N. Broadway, Milwaukee, Wis.
Libbey & Libby Co., 24 2nd Ave. S. Minneapolis, Minn.

Prospective Bidders

POST OFFICE Cost, $68,200
PITTSBURG, Contra Costa Co., Cal. Fifth and Cumberland Streets.
United States post office building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications obtainable from Treasury Department, Washington, D. C., upon deposit of $15.00.
Following have procured plans. Bids close October 4:
Harry J. Oser, Hobart Building, San Francisco.
W. F. Jackson Co., Denrike Bldg., Washington, D. C.

CONTRACT AWARDED

LUALUALEI, T. H.—E. E. Black, Honolulu, T. H., at $418,000 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of buildings roads and services at the Naval Radio Station, Lualualei, T. H. Spec. No. 7525.

CONTRACT AWARDED

SUMMIT, Canal Zone—H. B. Nelson Construction Co., Red Rock Bldg., Atlanta Ga., at $275,880, awarded contract by Bureau of Yards and Docks, Navy Department, for the construction of buildings, roads, services, etc., at the Naval Radio Station, Summit, Canal Zone. Spec. No. 7415.

PROSPECTIVE BIDDER

MONTESANO, Wash.—Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, has procured plans for the purpose of submitting a bid to the Trasury Department, Washington, D. C., on September 25 for the construction of a Post Office building in Montesano, Wash. Cost, $56,300.

CONTRACT AWARDED

LIVERMORE, Alameda Co., Cal.—Roma Hardwood Floor Co., 3529 Market St., San Francisco, at $720 awarded contract by Veterans' Administration, for refinishing and sanding floors at the Veterans' Hospital, Livermore

BIDS OPENED

VISALIA, Tulare Co., Cal.—Following bids received by Treasury Supply Division, Washington, D. C., for metal shelving in the U. S. Post Office, Visalia. Proposal No. 845:

Interior Steel Equip. Co.	$192.15
Art Metal Constr. Co.	307.97
Penn Metal Co.	399.07
General Fireproofing Co.	401.18
Berger Mfg. Co.	402.23
Medart Mfg. Co.	409.80
DeLuxe Metal Furniture Co.	440.56
Lyon Metal Equip. Co.	441.50
Jamestown Metal Equip. Co.	444.06
Metal Office Furniture Co.	479.96
Worley & Co.	531.73

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal.—West Coast Linoleum & Carpet Co., 2703 Mission St., San Francisco, at $915 submitted low bid to Constructing Quartermaster, Hamilton Field, for furnishing and installing linoleum in kitchens of 44 non-commissioned officers' quarters at Hamilton Field.
Complete bids follow:
West Coast Linoleum and Carpet Co., San Francisco, $915.00.
Royal Floor & Linoleum Co., San Francisco, $1,045.00.
W. & J. Sloane Co., San Francisco, $1,175.90 (alternate) $1,108.43.
Bids referred to Washington for award.

BIDS WANTED

PEARL HARBOR, T. H. — Until Wednesday, October 17, bids will be received by the Bureau of Yards and Docks at Pearl Harbor for a sprinkler system to be installed in storehouse at Pearl Harbor; Specification 7704. Estimated cost $7500.

BIDS OPENED

LONG BEACH, Cal.—Following bids received by Post Office Department for furnishing and installing blinds in the U. S. Post Office, Long Beach. Proposal No. 486:
(1) Venetian blinds; (2) Pleated shades; (3) Wood slat shades; (4) Ordinary type.
Warren Shade Co., Minneapolis, (4) $1,587.12; 1%.
Hough Shade Corp., Janesville, (1) $2,092.54; (4) $1,825.83; 1%.
Aeroshade Co., Waukesha, Wis., (4) $1,475; 1%.
Shredwood Curtain Co., New York City, (4) $1,532; 1%.
Burlington Venetian Blind Co., Burlington, Vt., (1) $1,990.58; 2%.
Yardley Screen and Weather Strip Corp., Columbus, Ohio, (1) $1,807.65; 2%.
Watson Mfg. Co., Jamestown, N. Y., (1) $1,977; 2%.
Venetian Blind Co., Los Angeles, (1) $1,483.36; Alt. ded. $63,36.
Venetian Blind Mfg. Co., Los Angeles, (1) $1,993.29; 2%.
Rolscreen Mfg. Co., Pella, Iowa, (1) $1,997.64; 2G
Higgin Mfg. Co., Newport, Ky., (1) $1,991.75; 2%.
Schatz Venetian Blind Co., Los Angeles, (1) $1,400; 2%.
Ry-Lock Co., San Leandro, Cal., (1) $1,958.
J. G. Wilson Co., New York City, (1) $2,059.90; 2%.

Sub-Contracts Awarded.

QUARTERS Cont. Price, $25,850
SAN FRANCISCO. Quarantine Station Angel Island.
Shingle attendants' quarters and mess (two-story frame, Colonial type; 55x30 ft. with wing 30x19); shingle roof, concrete foundations, asphalt

paving in yard, plumbing, heating and electrical.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect, Treasury Department.
Contractor—Fred J. Early, 369 Pine St., San Francisco.
Reinforcing Steel—Gunn, Carle & Co., 20 Potreo Ave., San Francisco.
Marble—American Marble Co., Swift Ave., South San Francisco.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco.
Mill Work—Atkinson Mill & Lumber Co., 2895 Chapman St., Oakland.
Painting — Raphael Co., 270 Tehama St., San Francisco.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Heating—M. J. Reeves Co., 959 Natoma St., San Francisco.
Electrical Work and Fixtures—T. L. Rosenberg, 411 Webster Street, Oakland.
Miscellaneous Iron—Independent Iron Works, 821 Pine St., Oakland.
Linoleum and Finish Floors—Royal Floor Co., 7th and Brannan Sts., San Francisco.
Hardware—P. F. Corbin, Bridgeport, Connecticut.

8— CLUB BUILDINGS

Additional Sub-Contracts Awarded.
ALTER CLUB Cost, $200,000
SAN FRANCISCO. Post St., between Taylor and Mason Sts.
Alterations and addition to club building (addition over gymnasium re-tile swimming pool, showers, new grille, enlarge cafe, cleaning front of building, decorating, carpeting, etc.)
Owner—Olympic Club, Premises.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Consulting Architects—John A. Bauer Arthur Brown Jr. and John Bakewell, 251 Kearny St., S. F.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.
Sheet Metal—Gulifoy Cornice Works, 1234 Howard St.
Miscellaneous Iron—Industrial Ornamental Iron & Bronze Works, 552 Noe St.
Roofing — J. W. Bender Roofing Co., 18th and Bryant Sts.
Tile — Malott & Peterson, 20th and Harrison Sts.
Plastering—Peter Bradley, 639 Brannan St.
Mill Work—Pacific Mfg. Co., Monadnock Bldg.
Other awards reported August 31.

9— HOSPITALS

Bids Rejected
HOSPITAL Cost, $——
YREKA, Siskiyou Co., Calif.
Remodeling warehouse and kitchen for new ward at old County Hospital and constructing fire escape.
Owner — County of Siskiyou (W. J. Neillson, Clerk of the Board of Supervisors).
Low Bidder—D. M. Reid, Yreka, $3,987.
Only other bids was submitted by A. Young, Yreka, at $4,576.
Bids rejected as too high. *

Contract Awarded
HOSPITAL Cost, $——
SUISUN, Solano Co., Calif.
Remodel residence for emergency hospital.
Owner—Dr. A. P. Finan and R. W. Newman, Fairfield.
Architect—Not Given.
Contractor—Harry Klingsell, Box 61, Fairfield.

Contract Awarded
HOSPITAL Cost, $——
BAKERSFIELD, Kern Co., Calif. 721 Eighth Street.
Construction of 10-room wing for maternity home.
Owner—Miss Minnie Freise, 2719 L St. Bakersfield.
Architect—Not Given.
Contractor—Virgil Young, 1115 Pacific St., Bakersfield. *

Low Bidders.
HOSPITAL Cost, $25,000
TULARE, Tulare Co., Calif. County Hospital.
One-story isolation ward building for Tulare County General Hospital (90x34 ft.) to contain eight wards.
Owner—County of Tulare.
Architect—Ernest J. Kump, 533 Rowell Bldg., Fresno.
Low Bidder—Hodgson & Son, 215 So. F St., Bakersfield.
Following are three low bids:
Hodgson & Son, Bakersfield.....$30,481
Thos. T. Godsey, Visalia..... 31,756
Trewhitt & Shield, Fresno..... 32,468

10— HOTELS

Plans Being Prepared.
HOTEL, ETC. Cost, $25,000
QUINCY, Plumas Co., Cal.
Two-story hotel (Grand Central Hotel) (25 rooms and 3 stores); auto camp cottages to contain two rooms each in rear (type of construction not yet determined).
Owner—Mrs. Edith Hemstalk.
Architect — George Sellon, California State Life Bldg., Sacramento.

12— POWER PLANTS

Bids Opened
POWER HOUSE Cost, $——
PULLMAN, Wash. Campus of State College.
Power house building (60x100) reinforced conc. to boiler room floor, steel frame and brick wall above, concrete slab roof an stack. Bids on contract for equipment will be called at a later date.
Owner—State of Washington, State College Board of Regents.
Architect—Stanley Smith Pullman.
Low Bidder—Ross B. Hammond, Inc., Spalding Bldg., Portland.
Complete bids follow:
Ross B. Hammond, Portland...$103,687
J. W. Bailey, Seattle..... 104,251
J. J. Lohrenz, Spokane..... 107,444
A. F. Mowatt, Seattle..... .....
Bids held under advisement.
Bids for boilers, conveying equipment, pipe, fans, ducts, feed water treatment, electric wiring and electric switchboards will be asked at a later date. *

ADDITIONAL PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Oct. 3 for the construction of an electrical distribution system at the Repair Basin, Pearl Harbor, T. H. Spec. No. 7604. Cost $300,000:
Fairbanks, Morse & Co., 160 Varick St., New York City.
Electrical Engineering Equipment Co., 25th Ave. and Division St., Melrose Park, Illinois.
Crocker Wheeler Electric Mfg. Co., Ampere, New Jersey.
McClintic Marshall Corp., 25 Broadway, New York City.
Eastern Contracting Co., 10 N. Calvert St., Baltimore.
Industrial Electrical Service, 2060 Santa Fe Ave., Los Angeles.
Simplex Wire & Cable Co., Cambridge, Mass.
Albert and J. M. Anderson Mfg. Co. Easton, Mass.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Planned.
FIRE HOUSE Cost, $——
SALINAS, Monterey Co., Cal. No 210 Salinas Avenue.
Construct new fire house.
Owner—City of Salinas.
Architect—Not Given.

Planned
LIBRARY Cost, $35,000
VISALIA, Tulare Co., Calif. Tipton Lindsay Square.
Construct new library.
Owner—City of Visalia.
Architect—Not Given.
If constructed the proposed project will be built under SERA.

BIDS REJECTED
YREKA, Siskiyou Co., Cali.—Patterson Bros., 573 Santa Rosa Avenue, Berkeley, at $674 submitted low bid to County Supervisors for painting the County Fair buildings at the fair grounds near Yreka. Only other bid was submitted by Ling Bros., Yreka, at $1,256. Bids rejected as being too high. *

Plans Being Figured.
ALTERATIONS Cost, $40,000
WEAVERVILLE, Trinity Co., Cal.
Alterations and additions to present two-story brick court house and construction of two-story reinforced concrete annex (judges' offices, district attorney's office, court room, new jail, cell blocks, etc.)
Owner—County of Trinity.
Architect—Jens C. Petersen, 826 26th St., Sacramento.
The project is financed in part by PWA funds and contractors are subject to PWA regulations.

BIDS OPENED
WATSONVILLE, Santa Cruz Co., Cal.—Following bids received by the Watsonville City Council for furnishing and laying carpet on floor of main lodge hall on second floor of main lodge hall of City Hall, Watsonville:
Chas. Ford Co. Watsonville..(1) $398.00
.....(2) 625.00
.....(3) 555.00
California Furniture Co., Watsonville .....(1) $490.00
.....(2) 540.50
.....(3) 570.50
Bids held under advisement.

Bids Rejected
CITY HALL Cost, $15,000
GRASS VALLEY, Nevada Co., Calif. SW Main and Stewart Streets.
One- and two - story reinforced concrete city hall.
Owner—City of Grass Valley.
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.
Structural Engineer—F. D. Kellberg, 544 Market St., San Francisco.
On bid opening lowest bid was submitted by Chas. Unger, 4532 T Street Sacramento, at $19,987. Building will not be constructed at this time.

14— RESIDENCES

Contract Awarded
ALTERATIONS Cost, $3000
BERKELEY, Alameda Co., Cal. Hillcrest Road.
Alterations and additions to two-story frame residence (work includes adding two rooms, new plumbing, painting, glass, etc.)
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—A. T. Beckett, 224 Scenic Ave., Berkeley.

Low Bidder
ALTERATIONS Cost, $6,000
SAN FRANCISCO. 2755 Vallejo Street. Alterations to frame flats (remodel interior and exterior).
Owner—Ora Hyde.
Architect—Fred. Reimers, 233 Post St.
Low Bidder—Fred. DuPuy, 110 Sutter.

Contract Awarded.
RESIDENCE Cost, $——
ORINDA, Contra Costa Co., Cal.
Two-story frame, stucco and brick veneer residence (9 rooms and 2 baths), gas heating system, hardwood floors, tile baths, etc.
Owner—George Pitts.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor — Irving Graves, 631 Valle Vista Ave., Oakland.

Contract Awarded
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 5873 Morpeth Avenue.
Two-story frame and stuco residence (six rooms).
Owner—John Galant.
Architect—Not Given.
Contractor — H. L. Crocker, Jr., 30 Wilding Lane, Oakland.

Sub-Contracts Awarded
REMODEL RESIDENCE Cost, $1,000
BERKELEY, Alameda Co., Calif. 820 Oxford Street.
Alterations and additions to residence (add three rooms).
Owner—Ralph Dewey.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.
Painting—Blomgren Bros., 1518 Grove St., Berkeley.
Roofing—Guy Taylor, 1502 Cedar St., Berkeley.
Electric—Jas. Anderson, 2421 23rd Avenue, Oakland.
Canvas Decks—Kronke-Brampton Co., 3212 San Pablo Ave., Oakland.
Floors—Inlaid Floor, 4067 Watts St., Emeryville.
Hardware—Berkeley Hdwe. Co., 2154 University Ave., Berkeley.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley.
As previously reported, concrete contract awarded to A. A. Johnson, 1844 Channing Way, Berkeley.

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Bids In—Held Under Advisement
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. Merriewood Tract.
Three one-story frame and stucco residences (5 rooms each).
Owner—Syndicate Merriewood Co. Ltd. Broadway, Oakland.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Announcement will be made shortly.

Plans Being Figured—Bids Close Sept. 21, 6 P. M.
RESIDENCE Cost, $8500
NAPA, Napa Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 2 baths); shingle roof, warm air heating system, hardwood floors, tile baths, etc.
Owner—J. O. Sperry.
Architect—Arthur Dudman, 67 Bungalow Ave., San Rafael.

Contract Awarded
STORE & RESIDENCE Cost, $5000
SAN FRANCISCO. W San Jose 55 S. Colonial Way.
One - story and basement frame and stucco store and residence.
Owner—John Ferrario, 84-A Harriet.
Architect—Not Given.
Contractor—Jos. Ragni, 443 Bellevue Ave., Daly City.

Sub-Contracts Awarded
RESIDENCE Cost, $18,000
PALO ALTO, Santa Clara Co., Calif 27 Crescent Drive.
Two - story and basement frame and stucco residence (10 rooms and 3 baths) tile roof, gas heating system, hardwood and tile floors, etc.
Owner—Mrs. Anna Maskey, Los Altos.
Architect—Gardney Dailey, 219 Post St., San Francisco.
Contrator—A. F. Mattock, 212 Clara St., San Francisco.
Lumber—Roth Maier, 2800 Third St., San Francisco.
Concrete—Albert Simonini, 415 Lambert St., Palo Alto.
As previously reported, mill work awarded to Brannan Street Planing Mill, 560 Brannan St., San Francisco; plumbing to Dowd & Welch, 3558 16th St., San Francisco.
Other awards will be made shortly.

Plans Being Prepared.
RESIDENCE Cost, $4000
PETALUMA, Sonoma Co., Cal. Outside City Limits.
One-story and basement frame and stucco residence (5 rooms) Spanish style, full tile roof, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Bids will be asked shortly.

Plans Being Completed.
RESIDENCE Cost, $10,500
BELVEDERE, Marin Co., Cal.
Two-story and basement frame, stucco, brick and stone residence (7 rooms and 3 baths); shake roof, gas hot air heating system, hardwood floors, colored tile baths, etc.
Owner—Withheld.
Architect — D. E. Jaekle, Call Bldg., San Francisco.
Bids will be asked in about one week.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. W Twenty-second Avenue 108 W Wawona Street.
One-story and basement frame and stucco residence.
Owner — Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
SAN FRANCISCO. W Tocoloma St. 279 N Blanken St.
One-story and basement frame and stucco residence.
Owner and Builder—W. H. Graham, 2965 Mission St., San Francisco.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $3000
SAN FRANCISCO. No. 2122 Lake Street.
Alterations to frame residence.
Owner—California Pacific Title Co., % Contractor.
Architect—Not Given.
Contractor — Unit Constr. Co., 557 Market St., San Francisco.

Contract Awarded
ADDITION Cost, $1923
ATHERTON, San Mateo Co., Calif. Selby Tract.
Addition to bungalow.
Owner—Dr. Chas. E. Pinkham, Amador St., Atherton.
Architect—Gilbert Hodgson, 131A Hillcrest Ave., Redwood City.
Contractor—J. W. Cabbage, 274 College Ave., Palo Alto.

Contract Awarded
BUNGALOW Cost, $2775
SAN MATEO, San Mateo Co., Calif. Central Park.
One-story frame and stucco bungalow (5 rooms).
Owner—Joseph Meconi.
Architect—Not Given.
Contractor—T. R. Giannini, Premises.

To Be Done By Day's Work
RESIDENCE Cost, $4000
SAN MATEO, San Mateo Co., Calif. 611 N Delaware Street.
One - story and basement frame and stucco residence.
Owner and Builder—P. G. Hamblyn, 105 S. Delaware St., San Mateo.
Architect—Not Given.

Sub-Contracts Awarded
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 4168 Lyman Road.
One-story frame and stucco residence (5 rooms).
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given.
Plastering—Clifton E. Davidson, 811 St. Marys Ave., San Leandro.
Roofing—M. & L. Roofing Co., 9924 Foothill Blvd., Oakland.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.
Electric—Geo. E. Hansen, 4217 Mountain View Ave., Oakland.
Painting—R. E. O'Brien, 2151 Buena Vista Ave., Alameda.
Brick—E. F. Morgan, 1712 79th Ave., Oakland.
Plumbing—J. R. Pierce Plbg. Co., 7109 East 14th St., Oakland.
Sheet Metal, Heating—California Furnace Co., 4801 E 14th St., Oakland.
Concrete Foundation — A. Casqueiro, 2851 75th Ave., Oakland.

Sub-Contracts Awarded
RESIDENCE Cost, $6000
ORINDA, Contra Costa Co., Calif.
1½-story frame and brick veneer residence (6 rooms and 2 baths) tile roof, gas hot air heating system, wood sash, tiled baths, etc.
Owner—Haciendas Homes, Inc., (Mason McDuffie Co., 2101 Addison St. Berkeley).
Architect—E. L. Snyder, 2101 Addison St., Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Millwork—Atkinson Mill & Mfg. Co., 2985 Chapman St., Oakland.
Lumber—Smith Lumber Co. of Oakland, 19th Ave. and Estuary, Oakland.
Plumbing—J. R. Pierce Plbg. Co., 7109 East 14th St., Oakland.
Electric—Geo. Hansen, 4217 Mt. View Ave., Oakland.
Brick—Wilhelm Holst, 2827 Park St., Berkeley.
Sheet Metal Work—M. C. Henry, 1183 53rd St., Oakland.
Concrete—Axel O. Johnson, 1844 Channing Way, Berkeley.
Floors—Acme Floor Co., 1051 Mission St., San Francisco.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland.

To Be Done By Day's Work
RESIDENCE Cost, $2500
SAN MATEO, San Mateo Co., Calif. 940 S. Delaware Street.
One-story frame residence.
Owner and Builder—J. H. Arthur, 920 South Grant St., San Mateo.
Architect—Not Given.

Contract Awarded
ALTERATIONS Cost, $1500
SAN MATEO, San Mateo Co., Calif. 122 El Camino.
Alterations to residence.
Owner—Mrs. E. Morck, Premises.
Architect—Not Given.
Contractor—Charle Hammer, 1524 Floribunda, Burlingame.

Sub-Contracts Awarded
RESIDENCE Cost, $35,000
BERKELEY, Alameda Co., Calif. The Uplands.
Two - story and basement frame and

stucco residence (10 rooms and 6 baths) tile roof, hardwood floors, colored tile baths, etc., reinforced concrete bridge over creek in connection with residence, 45 ft. long.
Owner—J. F. Shuman.
Architect—F. Eugene Barton, Crocker Bldg., San Francisco.
Contractor—W. R. Voorhies, Inc., 369 Pine St., San Francisco and Premises.
Roofing—General Roofing Co., 3985 Beach St., Oakland.
Electric—College Ave. Electric Shop, 2917 College Ave., Berkeley.
Plumbing—Scott Co., 113 Tenth St., Oakland.
Mill Work — Pacific Mfg. Co., Santa Clara.
As previously reported, heating and sheet metal contract awarded to the Standard Heating & Sheet Metal Works, 834 Irving St., San Francisco; terra cotta pipe, etc., to Gladding, McBean & Co., 22nd and Market Streets, Oakland; grading and excavation to Ariss Knapp, 961 41st St., Oakland.

Low Bidder
RESIDENCE Cost, $15,000
ATHERTON, San Mateo Co., Calif.
Two-story frame and stucco residence (10 rooms, 3 baths) shingle roof, gas-fired steam heating system, concealed radiators, hardwood floors, tiled baths, tile kitchen, monel metal sink, etc.
Owner—J. E. Tourtellotte.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Low Bidder — Oscar Cavanaugh, 432 Occidental Ave., San Mateo.
Plans are to be revised slightly and contract will be awarded to the low bidder shortly.

Contract Awarded
REMODEL RESIDENCE Cost, $2000
SACRAMENTO, Sacramento Co., Cal. 804 J Street.
Alterations to residence.
Owner—Peter J. Shields, Premises.
Architect—Not Given.
Contractor—Frank Maloney, 3172 T St. Sacramento.

Plans Being Figured — Bids Close Sept. 17, 12 Noon.
RESIDENCE Cost, $9500
KENTFIELD, Marin Co., Cal.
One-story frame and brick residence (8 rooms and 2 baths) shake roof, gas heating system, tiled baths, hardwood floors, etc.
Owner—Louis Podesto.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $5000
HILLSBOROUGH, San Mateo Co.
Alterations and additions to residence (alterations to guest room on second floor and addition to maids' and servants' quarters, etc.)
Owner—W. P. Brawner, Hillsborough.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.
Contractor—Bessett Building Co., 826 Walnut St., Burlingame.

Contract Awarded.
RESIDENCE Cost, $4000
SAN MATEO PARK, San Mateo Co., Cal. Dorchester Road.
Alterations to frame and stucco residence, including plumbing, electrical, tile, plastering, painting, etc.
Owner — Rolland E. Watt, 414 Dorchester Road, San Mateo.
Architect — G. M. Grimes and Albert R. Williams, 251 Post St., San Francisco.
Contractor—Bert Norberg, 832 Morrell Ave., Burlingame.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 392 Harvard Street.
One-story and basement frame and stucco residence.
Owner—W. H. Richmond, 3179 Adeline St., Fresno.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 3636 Platt Street.
One-story and basement frame and stucco residence.
Owner—C. S. Sherwood, 1240 L St., Fresno.
Architect—Not Given.
Contractor—G. C. Walker, 437 Cornell St., Fresno.

Contract Awarded.
RESIDENCE Cont. Price, $13,190
TIBURON, Marin Co., Cal. Corinthian Island.
Two-story and basement frame and stucco residence (8 rooms and 3 baths and garage); social hall, bar; shake roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Vincent F. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Complete bids published Sept. 6.

To Ask Bids
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Calif. NW Thousand Oaks Blvd. and Vicente Road.
Two-story frame and stucco residence (8 rooms) shingle roof, gas heating system, hardwood floors, etc.
Owner and Builder—A. E. Gould, 1040 Ramona Ave., Berkeley.
Architect—Not Given.

Planned.
RESIDENCES Cost, $——
SALINAS, Monterey Co., Cal.
Group of frame and stucco residences (four to be constructed in the first group).
Owner and Builder—Louis H. Gibbs, Salinas.
Architect—Not Given.
Work also includes laying of streets gas, light, water and sewer connections.

15— SCHOOLS

PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education has adopted working drawings and has authorized the business manager to advertise for bids for the reconstruction, rehabilitation and strengthening of North and West buildings of the Lorena St. School. Paul Kingsbury, architect, 1911 N. Serrano Ave.; Francis N. Dlouhy, structural engineer, 9273 Cordell Drive. Cost, $54,118.

PRELIMINARY PLANS APPROVED
PASADENA. Los Angeles Co., Cal. —Pasadena Board of Education has approved preliminary plans and has approved preliminary plans and has instructed Architect Cyril Bennett, 311 First Trust Bldg., asadena, to proceed with working drawings for reconstructing and altering the Horace Mann building at the Pasadena Junior College site.

PRELIMINARY PLANS APPROVED
LOS ANGELES, Cal.—Los Angeles Board of Education approved preliminary plans and has authorized Architects Hibbard, Gerrity & Kerton, 816 W. 5th St., to roceed with working drawings for the reconstruction, rehabilitation and strengthening of the main building at the Pacoima School, 11066 Norris St., Pacoima. Cost $45,900.

PRELIMINARY PLANS APPROVED
PASADENA, Los Angeles Co., Cal. —Pasadena Board of Education has approved preliminary plans and has authorized Architects Marston & Maybury, 25 S. Euclid Ave., Pasadena, to proceed with working drawings for the construction of a school building at the Jefferson Elementary School site. Construction will probably be reinforced concrete. Cost, $110,000.

September 7, 1934
PRELIMINARY PLANS PREPARED
LOS ANGELES, Cal.—Los Angeles board of education has approved preliminary plans and has authorized Architect Eugene Weston, Jr., 807 Architects' Bldg., to proceed with the preparation of working drawings for reconstructoin, strengthening and rehabilitating the administration, liberal arts, science, cafeteria, shop and art buildings and arcades at the George Washington high school. Cost, $286,000.

BOND ELECTION PLANNED
PITTSBURG, Contra Costa Co., Cal. —Pittsburg School District is considering holding an election to vote bonds in the amount of $79,000 to finance reconstruction of the (1) primary school; (2) junior high school, and (3) intermediate school. Estimated costs of the projects as follows:
(1) $40,000; (2) $38,000; (3) $18,000.
If bonds are voted additional funds will be secured from the sale of the Post Office site at $10,000 and $4000 is available in the building fund.
A special meeting will be called on September 18 to set a date for the bond election.
Louis Stone, Humboldt Bank Bldg., San Francisco, architect.

Sub-Contracts Awarded.
SCHOOL Cont. Price, $86,922
PALO ALTO, Santa Clara Co., Cal.
Reconstruction and repairs to Administration Building and Auditorium Bldg. of the Palo Alto High School (reconstruction of reinforced concrete auditorium and repairs and improvements of frame administration building).
Owner—Palo Alto High School Dist.
Architects Birge M. and David B. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Hubtr, 1 Montgomery St., San Francisco.
Contractor—Carl N. Swenson Co., 355 Stockton Ave., San Jose.
Plumbing—H. P. Hansen, 50 Homer St., Palo Alto.
Heating—E. A. Shiller, 921 Alma St., Palo Alto.
Sheet Metal—Spangler Sheet Metal Works, 841 Alma St., Palo Alto.
Miscellaneous Iron and Structural Steel—Golden Gate Iron Works, 1541 Howard St., San Francisco.
Blackboards—American Seating Co., 524 Mission St., San Francisco.
Electric—E. F. Burkhart, 444 Emerson St., Palo Alto.

Plans Awaiting Approval.
SCHOOL Cost, $2500
MODESTO, Stanislaus Co., Cal. Wilson School.
One-story frame school (1 classroom).
Owner—Modesto City School District.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

TO ASK BIDS
WILMINGTON, Los Angeles Co., Cal.—Los Angeles Board of Education has adopted working drawings and has authorized the business manager to advertise for bids for the reconstruction, strengthening and re-

habilitation of the main building of Gulf Avenue School site, Wilmington. H. L. Gogerty, architect, 116 Santa Fe Ave., Compton; R. McC Beanfield, structural engineer, Chamber of Commerce Bldg. Auditorium building reconstruction at the Gulf Avenue site has been deferred. Cost, $56,605.

PRELIMINARY PLANS APPROVED

VENICE, Los Angeles Co., Cal.—Los Angeles Board of Education has approved preliminary plans and has authorized Architects John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., to proceed with the preparation of working drawings for reconstructing, strengthening and rehabilitatig mechanical art building at Venice High School. Cost, $36,194.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education approved preliminary plans and has authorized Architects Donald Wilkinson and R. M. Crosby, Hollywood Security Bldg., and Structural Engineer Ryan A. Grut, 1007 S. Grand Ave., to proceed with the preparation of working drawings for reconstructing, strengthening and rehabilitating the main building at Sixth Avenue School. Cost, $88,000.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education approved preliminary plans and has authorized Structural Engineer Geo. J. Fosdyke, 112 N. Main St., to proceed with working drawings for reconstruction, rehabilitation and strengthening of shop buildings Nos. 2 and 3 at the John C. Fremont High School, 7676 S. San Pedro St. Cost, $42,898.

PRELIMINARY PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles Board of Education approved preliminary plans and has authorized Structural Engineer Francis N. Dlouhy, 9273 Cordell Drive, West Los Angeles, and Architect Frank D. Hudson, 701 Laughlin Bldg., to proceed with working drawings for reconstructing, rehabilitating and strengthening the main building at Hermon School, 5507 Bushnell Way. Cost, $98,317.

PLANS APPROVED

PASADENA, Los Angeles Co., Cal.—Pasadena Board of Education has approved working drawings and bids will be called for this week for reconstructing, rehabilitating and repairing Madison Elementary School. Plans were prepared by Architect Cyril Bennett, 311 First Trust Bldg., Pasadena. Work will consist of removing a portion of the exterior brick walls and rebuilding with gunite, new reinforced concrete foundation, plastering, acoustical treatment, plumbing, electric wiring, painting, etc. Cost, $110,000.

CONTRACT AWARDED

LOS ANGELES, Cal.—Geo. Mittry, 134 N. Avenue 20, awarded contract by Los Angeles Board of Education at $58,000 for reconstruction, rehabilitation and strengthening of building "B" and the construction of a new frame building on the Russell School site, located at Firestone Blvd. and Zamora Ave. Plans prepared by architectural division of the board, A. S. Nibecker Jr., architect, and Structural Engineer, J. E. Byers, 1445 S. San Pedro St.

CONTRACT AWARDED

BRENTWOOD, Los Angeles Co., Cal.—Hyman Alpert, 225 N. Boylston St., awarded contract by Los Angeles Board of Education at $42,500 for reconstructing, rehabilitating and strenghtening the main building at the Bretwood School, located on San Vicente Blvd., between Bundy Drive and Amherst Ave., Brentwood. Harold S. Johnson, architect, and Harold A. Nelson, structural engineer. Hyman Alpert submitted the following list of subcontractors with his general contract bid: Consolidated Rock Co., cement materials, $3400; Blue Diamond Co., reinforcing steel, $3137.71; Berns & Mallay, electric work, $520; Metropolitan Roof Co., roofing, $75; Angeles Paint Co., painting, $475; California Gunite Co., gunite, $7849; Irish Co., wrecking, etc., $3226; Hickman Bros., plumbing and heating, $954; Emil Brown, sheet metal, $125; Long Beach Marble & Tile Co., marble and tile work, $1300; Hammond Lumber Co., lumber, $1675; Pennsylvania Iron & Steel Co., structural steel, $1793.

Bids Wanted—To Close Sept. 21, 2 p.m.

SCHOOL Cost, $2500
MODESTO, Stanislaus Co., Cal. Wilson School.
One-story frame school (1 classroom).
Owner—Modesto Elementary School District.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Plans and specifications may be obtained from E. D. Abbott, Secretary, Modesto Elementary School District, and from the Architect, 950 Parker St., Berkeley.

Plans Being Prepared.

SCHOOL Cost, $35,000
GRIDLEY, Butte Co., Cal.
Replace McKinley Primary School with one-story frame and stucco building (8 rooms); concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans will be completed and ready for approval in about three weeks.

Bids Wanted—To Close Sept. 29, 7:30 P. M.

GYMNASIUM Cost, $——
TULE LAKE, Siskiyou Co., Calif.
One-story gymnasium.
Owner — Siskiyou Union High School Dist., Yreka (E. H. Kaupp, Clerk)
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Bids are being taken on a general contract and separate bids may be submitted on the plumbing, heating and electrical wiring.
Plans and specifications may be obtained from the architects or from the Superintendent, A. G. Grant, Park Hotel Bldg., Mount Shasta, Calif.

Contract Awarded

DRIVE-IN MARKET Cost, $25,000
EUREKA, Humboldt Co., Calif. NW Seventh and E Streets.
Super drive-in market (1-story). Site 120x120 ft. and will include parking area for 25 cars.
Owner—Henry Calanchini, Ferndale.
Architect—F. T. Georgeson, 6th and G Sts., Eureka.
Contractor—Halsby & Lax, 324 F St., Eureka.

Prospective Bidders.

SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
One-story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame.
Following have procured plans. Bids Close Sept. 17, 7 P. M.:
F. C. Amoroso & Sons, Wallace and Keith Sts., San Francisco.
Einar C. Petersen, 1290 Hayes St., San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco.
C. L. Kold, 4412 Fulton St., San Francisco.
Bessett Building Co., 826 Walnut St., Burlingame.
G. W. Williams Co., 315 Primrose St., Burlingame.
Chas. Johnson.
Larsen & Larsen, 629 Bryant St., San Francisco.
H. H. Larsen, 64 South Park, San Francisco.
William Spivock, Hobart Bldg., San Francisco.
Bids are being taken on a general contract with separate bids for general rough grading, electrical work, plumbing, heating, structural steel, painting and plastering.
Plans and specifications may be obtained from the principal of the high school upon deposit of $10.00.

Plans Being Completed.

SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Cal.
One and two-story wing addition to high school, reinforced concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in about 30 days.

Bids Opened.

SCHOOL Cost, $10,000
BERKELEY, Alameda Co., Cal. Allston Way and Eighth St. (Columbus School).
Alterations to comply with State earthquake safety act.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace Claus Spreckels Bldg., San Francisco.
Low Bidder—John J. Moore, 354 Hobart St., Oakland.
Complete bids follow. All bidders of Oakland:

John J. Moore	$5872
E. T. Leiter & Son	5967
H. J. Christensen	6500
John E. Branagh	7200
Mark E. Bristol	7640
Kelly & Tulloch	8752

Bids held under advisement.

Plans Awaiting Approval.

SCHOOL Cost, $200,000
SEBASTOPOL, Sonoma Co., Cal.
Two-story reinforced concrete high school building.
Owner—Analy Union High School District.
Architect—Louis C. Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market St., S. F.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

Plans Awaiting Approval.

SCHOOL Cost, $——
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (three classrooms) tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior, etc.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Plans have been forwarded to Sacramento for approval and bids will be asked shortly.

Plans Being Completed

AUDITORIUM Cost, $24,700
LE GRAND, Merced Co., Calif.
One-story frame and stucco combination gymnasium and auditorium,

(144x88 feet) to contain banquet room, stage, dressing rooms, etc.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Bids will be asked shortly.

Final Plans Approved
MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Calif.
One - story frame and stucco music bldg. (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Whether bids will be asked or work done under the SERA will be announced shortly.

BIDS WANTED
SEBASTOPOL, Sonoma Co., Cal.—Until Sept. 21, 8 P. M., bids will be received by B. Best, Clerk. Analy Union High School District, for grading site for the proposed new high School Building in Sebastopol. Plans and specifications on file at the High School Office, Sebastopol.

Additiona Sub-Cnotracts Awarded.
SCHOOL Cont. Price, $86,922
PALO ALTO, Santa Clara Co., Cal.
Reconstruction and repairs to Administration Building and Auditorium Bldg. of Palo Alto High School (reconstruction of reinforced concrete auditorium and repairs and improvements of frame administration building).
Owner—Palo Alto High School Dist.
Architects — Birge M. and David B. Clark, 310 University Ave., Palo Alto.
Structural Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—Carl N. Swenson Co., 355 Stockton Ave., San Jose.
Lumber—Pacific Mfg. Co., Santa Clara
Glass and Glazing — Sylvan LeDelt, 762 Lenzen Ave., San Jose.
Roofing—Fred Hayden, 369 Stockton Ave., San Jose.
Plastering — E. C Vlphan, Box 522, Palo Alto.
Wrecking—Dolan Wrecking Co., 6939 Mission St., San Francisco.
As previously reported, plumbing awarded to H. P. Hansen, 50 Homer St., Palo Alto; heating to E. A. Shiller, 921 Alma St., Palo Alto; sheet metal to Spangler Sheet Metal Wks., 841 Alma St., Palo Alto; miscellaneous iron and structural steel to Golden Gate Iron Works, 1541 Howard St., San Francisco; blackboards, American Seating Co., 521 Mission St., San Francisco; electric to E. F. Burkhart, 444 Emerson St., Palo Alto.

Low Bidder
SCHOOL Cost, $39,000
FRUITVALE, Kern Co., Calif.
One - story reinforced concrete school building (four classrooms) concrete filler walls, comp. roof, maple floors, low pressure steam heat.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.
Low Bidder—Henry Eissler, 2229 18th St., Bakersfield, $44,000.
Complete bisd will be given shortly.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $4038
MILL VALLEY, Marin Co., Cal.
Alterations to two-story frame building.
Owner—William Kent Jr., 2518 Buchanan St., San Francisco.
Architect—Not Given.
Contractor — Adelbert Von Rotz, 40 Greenfield Ave., San Anselmo.

Plans To Be Prepared
STORE Cost, $300,000
SACRAMENTO, Sacramento Co., Cal.
SW Ninth and K Sts. (80x160 ft.)
Two - story basement and mezzanine floor structural steel and reinforced concrete department store and mail order house.
Owner—Montgomery Ward & Co.
Plans by Engineering Dept. of Owner, Chicago.

Contract Awarded
ALTER STORE Cost, $4,000
STOCKTON, San Joaquin Co., Calif.
314 E. Main Street.
Alterations and additions to store bldg.
Owner—May & Elsie Hodgkins, premises.
Architect—Not Given.
Contractor—Lewis & Green, P. O. Box 121, Stockton.

Sub-Bids Being Taken.
TAVERN Cost, $2000
SAN FRANCISCO. No. 242 Van Ness Avenue.
Alterations to store (beer tavern and lunch counter) work involves counters, mirrors bar, partitions, etc.
Owner—A. O'Leary. Premises.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Bids are being received by the owner on the premises.

Contract Awarded.
ALTERATIONS Cost, $7500
STOCKTON, San Joaquin Co., Cal.
No. 313 E. Main Street.
Alterations and additions to store building.
Owner—Bravo & McKeegan, Premises
Architect—Not Given.
Contractor—Lewis & Green, Bank of America Bldg., Stockton.

Contract Awarded
ADDITION Cont. Price, $17,561
SALINAS, Monterey Co., Cal. Monterey and San Luis Streets.
Addition to Drive-In-Market (125 foot frontage) add two 20-foot store fronts (work includes concrete construction, concrete floors, steel and glass doors, tile trim, etc.)
Owner—Salinas Drive-In-Market, San Luis and Monterey Sts., Salinas.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Sam Trondhjem, 45 Gell St., Salinas.
Complete bids follow:

Sam Trondhjem, Salinas	$17,561
W. E. Greene, Salinas	18,322
C. M. Norgrove, Berkeley	18,575
C. Petersen, Salinas	18,678
F. C. Carlsen, Salinas	19,041
John Taufner, Monterey	19,325

Plans Being Prepared.
SHOP Cost, $14,000
SELMA, Fresno Co., Cal.
Reinforced concrete shop building.
Owner—Selma Union High School District (George Howden, Principal).
Architect—W. D. Coates Jr., Rowell Bldg., Fresno.
Bids will be asked abount Oct. 11.

BIDS WANTED
SAN FRANCISCO.—Until Sept. 19, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, City Hall, for alterations in the Grand Jury Room, City Hall. Work includes lathing, plastering, marble, tile work, plumbing, staining and varnishing, mill work, cabinet work, etc. Hardware to be set by contractor. Estimated cost $1,250. Plans and specifications may be obtained from C. H. Sawyer, City Architect, City Hall.

SUB-BIDS WANTED
LOS ANGELES, Cal.—Architect B. J. Joseph, 537 S. Broadway, is taking subcontract bids for alterations to a Class A store building at 537-41 South Broadway for National Dollar Stores. Frank Ayar will superintend the work, which will consist of altering display windows, stairways and mezzanine floor, installing the wainscoting, plastering ceilings and altering the electrical system. Cost, $27,750.

Construction To Start Immediately.
STORE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
University Ave. and The Circle.
One-story reinforced concrete atore building (5 stores).
Owner and Builder—J. B. and S. V. Rothschild, 41 Sutter St., San Francisco.
Architect — Hyman & Appleton, 68 Post St., San Francisco.

To Be Done By Day's Work.
REPAIRS Cost, $1500
PALO ALTO, Santa Clara Co., Cal.
No. 45 Newell Road.
Repairs to Utility Building.
Owner—City of Palo Alto.
Plans by City Engineering Dept.

Contract Awarded
ALTERATIONS Cost, $4000
SAN FRANCISCO. 504 Broadway.
Alterations to cafe.
Owner—Teresa Capurro, % contractor.
Architect—Not Given.
Contractor—C. Dudley DeVelbiss Co., 1250 Turk Street.

17— THEATRES

Plans Being Revised.
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Cal.
One-story and balcony reinforced concrete theatre building (to seat 850); tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco.
Wrecking of present building on site is under way by Salih Bros., 25 Taylor St., San Francisco.

Contract Awarded.
ALTER THEATRE Cost, $12,000
FRESNO, Fresno Co., Cal. No. 1213 Fulton Street.
Alterations and redecorating of Kinema Theatre (remodel entrance, lobby, foyer, orchestra pit, rearrange seating, etc.) work includes plastering, millwork, lumber, etc.
Owner—Fresno Theatres, Inc. (Subsidiary of Fox West Coast Theatres).
Plans by Engineering Dept. of Owner
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.

18— WHARVES & DOCKS

Contract Awarded.
WHARF Cost, $4775
STOCKTON, San Joaquin Co., Calif.
Port of Stockton.
Temporary wharf and shed to be used during construction of permanent facilities.
Owner—City of Stockton, Port Commission, City Hall.
Plans by Engineering Dept. of Owner (Col. B. C. Allin, Port Director).
Contractor — G. W. Jacobs, 845 W. Magnolia St., Stockton.
Work to be done on cost plus basis with limit set at $4775.

19—MISC. CONSTRUCTION

Segregated Bids Being Taken
ALTERATIONS Cost, $——
SAN FRANCISCO. Divisadero and McAllister Streets.
Alterations to undertaking parlors.
Owner—Halstead-Dierks & Co., 901 Divisadero St., San Francisco.

Plans by A. J. Laib, 3335 Clay St., San Francisco.

Bids are being received by A. J. Laib, 3335 Clay St.

BIDS OPENED

SAN FRANCISCO—Soule Steel Co., 1750 Army St., at $4759 submitted low bid to State Board of Harbor Commissioners for furnishing and installing six steel rolling doors in the Bulkhead Building at Piers Nos. 38 and 40. Complete bids follow:

Soule Steel Co.	$4759
J. G. Wilson Corp.	5233
Rolph Mills	5344
Kinnear Mfg. Co.	5344

Bids held under advisement.

UTILITY DISTRICT ELECTION

CHICO, Cal.—Formation of the Bidwell Municipal Utility District, comprising the City of Chico and vicinity, was authorized at a special election. Valuation of the electrical distribution system of the Pacific Gas & Electric in the district's boundaries will be commenced by the directors. Dr. A. R. Waters, Chico, is temporary chairman.

Sub-Contracts Awarded

RACE TRACK Cost, $140,000
SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Architect—Maury I. Diggs, 364 14th St. Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Mill Work—Lannom Bros. Planing Mill 362 Magnolia St., Oakland.
Stairs—E. D. Philbrick, 41 Sheridan St., San Francisco.
Sheet Metal—R. J. Neilan, 39 Isla St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.
Plastering—Peter Bradley, 639 Brannan St., San Francisco.

As previously reported, plumbing contract awarded to James H. Pinkerton, 927 Howard St., San Francisco; reinforcing steel to Soule Steel Co., 1750 Army St., San Francisco; concrete materials to H. E. Casey Co., San Mateo; structural steel to McClintic-Marshall Corp., 2050 Bryant St., San Francisco.

Planned.

MORTUARY Cost, $——
GILROY, Santa Clara Co., Cal. First and Hanna Streets.
Construct new mortuary.
Owner—James Battersby, Gilroy.
Architect—Not Given.

FIRE LOSS

WOODLAND, Yolo Co., Cal.—Fire destroyed the Yolo Brewery, residences, owned by George Karmen, et al.; St. John's Evangelical Church and Sunday School in Woodland Sept. 6.

BIDS WANTED

SAN FRANCISCO.—Until Sept. 21, 10 A. M., bids will be received by Captain R. B. Woolverton, Contracting Officer, Headquarters Ninth Corps Area, Presidio of San Francisco, for the installation of the new telephone central office at Fort Winfield Scott.

Plans and specifications obtainable from the above office upon deposit of $5.00. 9

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

LOS ANGELES, Cal.—Southwestern Portland Cement Co., 503 Roosevelt Bldg., Los Angeles, at $4,961.25 was awarded contract by the Los Angeles County Board of Supervisors for furnishing 2025 barrels of Portland cement for use in connection with the construction of a conduit on Verdugo Wash between Pacific Ave. and Kenilworth Ave., Glendale. Bids were opened July 23.

CONTRACT AWARDED

SAN FRANCISCO — Devincenzi Bros. & Co., 150 Collins St., San Francisco, at $0.69 per cu. yd. awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing 5000 yds. of black loam, top split, under Bid No. 1259.

BIDS OPENED

LOS ANGELES, Calif. — Following bids received by the Los Angeles Water & Power Dept., D. P. Nicklin, Purchasing Agent, Sept. 4, for furnishing creosoted wooden poles under Spec. No. 1491:

Bids were taken as follows:

(1) for pressure creosoted poles, treated full length, 2667 25-ft. lengths; 32 35-ft. lengths;
(2) for creosoted poles, butt treated, 279 40-ft. length; 52 45-ft. lengths, 14 50-ft. lengths.

The delivery points under each item are as follows:

(a) fob cars or trucks bidder's shipping point;
(b) fob cars Ducommun and Alameda Sts. Spur, 410 Ducommun St.;
(c) fob cars Lone Pine, Calif.

The bids were:

National Lumber & Creosoting Co., (1a) $19,016.62; (b) $30,125.82; (c) $32,549.05.

Pan-Pacific Piling & Const. Co., (1a) $18,338.25; (b) $18,884.45; (c) $20,393.54.

Consolidated Lumber Co., (1a) $21,547.05; (b) $22,189.46; (c) $24,759.06.

Chas. R. McCormick Lumber Co., (1a) $21,596.25; (b) $22,681.77; (c) $25,402.85; (2a) $3,182.89; (b) $3,428.87; (c) $4,143.99.

Texas Creosoting Co., (1a) $19,016.62; (b) $30,125.82; (c) $32,549.05; (2a) $6,701.40; (b) $9,988.72; (c) $10,705.53.

J. H. Baxter & Co., (1a) $22,404.35; (b) $23,895.20; (c) $28,099.45; (2a) $3,473.85; (b) $3,632.19; (c) $4,265.64.

Graybar Electric Co., Inc., (1a) .....; (b) $30,125.82; (c) $32,549.05; (2a) .....; (b) $7,554.52; (c) $8,313.28.

Texas Creosoting Co.,* (1a) $15,699.95; (b) $24,911.96; (c) $26,922.66; (2a) $6,022.60; (b) $8,974.56; (c) $9,556.75.

*Alternate, "Black Beauty".

All bids net. 9

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing poles fob Canoga Park, under Bid No. D. P. M. 457 were opened by the U. S. Forest Service, 751 S. Figueroa St., Sept. 4, as follows:

Joslyn Co., (1) 300 poles 20-ft. long, $4.66; (2) 20 poles 25-ft. long, $6.19; (3) 10 poles 30-ft. long, $8.85; (4) 5 poles 40-ft. long. An alternate bid was taken for the same amount of poles fob bidder's shipping point. Joslyn Co. shipping point, Wingfield, La., (1) $2.20; (2) $3.05; (3) $4.14; (4) $5.48.

Graybar Electric Co., (1) $3.71; (2) $5.16; (3) $6.88; (4) $11.90. No alternate.

General Electric Supply Corp., (1) $3.27; (2) $5.87; (3) $7.46; (4) $13.90. Alternate, (1) $2.13; (2) $3.76; (3) $4.73 (4) $8.76. Shipping point, Texarkana, Texas.

J. H. Baxter & Co., (1) $4.20; (2) $5.85; (3) $7.20; (4) $11.30. Alternate. (1) $4.00; (2) $5.85; (3) $7.20; (4) $10.50 Shipping point, Long Beach, Cal.

Texas Creosoting Co., (1) $3.70; (2) $5.15; (3) $6.88; (4) $11.90. Alternate, (1) $2.40; (2) $3.33; (3) $4.41; (4) $8.06. Shipping point, Orange, Texas.

Niedemeyer Martin Lbr. Co., alternate bids only, (1) $2.90; (2) $3.60; (3) $5.20; (4) $8.00. Shipping point, Seattle, Wash. (1) $2.80 (2) $3.60; (3) $5.10; (4) $7.90. Shipping point Galveston, Texas.

Consolidated Lumber Co., (1) $3.87; (2) $5.16; (3) $6.66; (4) $10. Alternate, (1) $2.90; (2) $3.85; (3) $4.75; (4) $7.10. Shipping point, Seattle, Wash.

Pan-Pacific Piling & Const. Co., (1) $4.75; (2) $5.75; (3) $10.50; (4) $12.50. No alternate bid.

Chas. R. McCormick Lumber Co., (1) $4.29; (2) $5.46; (3) $6.94; (4) $12.50; using truck from Wilmington to destination, (1) $4.245; (2) $5.50; (3) $6.30; (4) $10.85. Alternate, (1) $3.35; (2) $4.30; (3) $5.40; (4) $8.35. Shipping point, St. Helens, Oregon.

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A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are omong the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

Phone TRinity 0241 for —Consolidated Rock Products Co.

Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel

656 S. Los Angeles St. Los Angeles, Calif.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other Public agencies.

CANAL ZONE

PANAMA CANAL ZONE — Until September 20, 10 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule 2994, for furnishing miscellaneous supplies and equipment, including:

Dauber brushes; varnish brushes; goggles; furniture castors; hasps and staples; strap hinges; escutcheon pins; file handles; switch stands; track drilling machines; lamp indicator receptacles; water coolers; water buckets; copper measures; tubular hand lanterns; drink mixers; brass cuspidors; bakers' dishes; fruit dishes; soup plates; chalk crayons; lumber cayons; sea moss; sash cord; burlap rubber boot; life preserves; folding canvas cots; canvas glaves; rawhide gloves; automobile top fabric; cotton duck canvas; cotton sheeting; cheesecloth; stage lighting dimmer; metal beds; oak furniture, chairs dressers, chiffoniers, sideboards, and tables and 36 extension ladders.

Specifications obtainable from the above office and from the Assistant Supply Officer, The Panama Canal, Fort Mason, San Francisco. *

WAR DEPARTMENT

SAN FRANCISCO—Until October 4, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Schedule No. 928-35-55, for furnishing 78 gas ranges for delivery to Hamilton Field and 4 gas ranges for delivery to Presidio of California.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Sept. 17, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing visible filing equipment for the School Department. Specifications may be obtained from above office.

SAN FRANCISCO.—Until Sept. 21, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1265, for furnishing two direct connected motor driven pumping units, centrifugal pumps preferred.

Specifications obtainable from above office. *

SAN FRANCISCO.—Until Sept. 18, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-58, for furnishing 8,000 FBM Douglas fir lumber, selected common, random lengths.

Specifications obtainable from above office.

MADERA COUNTY

MADERA COUNTY, Cal. — Until September 20, 10 A. M., bids will be received by the Madera County Board of Supervisors; L. W. Cooper, County Clerk, Court House, Madera, for furnishing Select and No. 1 Common Oregon Pine lumber f.o.b. Raymond.

Specifications obtainable from above office.

CALIFORNIA STATE

NORTH HOLLYWOOD, Cal.—Until September 25, 3 P. M., bids will be received by the State Highway Department, % W. B. Cannon, Superintendent of Equipment, Shop 7, Division of Highways, P. O. Box 158, North Hollywood, for the sale of the following equipment:

CHC 41 snow plow, highway rotary, type "V".

CHC 451, tractor, Cletrac 30-40, crawler type.

The above equipment may be inspected at the Division of Highways Yards at 5495 Vineland Ave., North Hollywood, on any working day bet. the hours of 7:30 A. M. and 4 P. M.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until September 11, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing miscellaneous supplies, as follows:

BID 1188—610 pcs. of reinforcing steel; delivery f.o.b. bidder's shipping point and/or f.o.b. Uklah. Square deformed base).

BID 1189—98 replacement parts for Cleveland H-77 Jackhammer; delivery f.o.b. bidder's shipping point and/or f.o.b. Yreka.

BID 1191—25,000 sq. ft. welded fabric 6"x6" No. 8 gauge, 7-ft. wide, in rolls of approximately 150 lin. ft. each; delivery f.o.b. bidder's shipping point and/or f.o.b. McCloud.

Specifications obtainable from the above office.

BERKELEY, Cal.—Until September 11, 2 P. M., bids will be received by the California Forest Experiment Station, U. S. Forest Service, 331 Giannini Hall, University of California, Berkeley, F. L. Connor, Acting Director, for furnishing one gasoline-driven soil tiller.

Delivery f.o.b. Placerville and/or f.o.b. bidder's shipping point.

Specifications obtainable from above office. *

GOVERNMENT ISLAND, Cal.—Until September 17, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1207, for furnishing 25,000 sq. ft. of 6x6-in. No. 8 gauge, non-galvanized welded fabric, 7 ft. wide.

Delivery f.o.b. bidder's shipping point and/or f.o.b McCloud.

WAR DEPARTMENT

SAN FRANCISCO.—Until Sept. 17, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-54, for furnishing the following: 500 ft. parkway or suburban cable; 15 lbs. nickel-steel wire; 28,020 ft. of solid copper wire; 18,568 lbs. weatherproof triple braid copper wire; 65 rolls of wire fencing; 4,700 lbs. boiler compound, and miscellaneous cutouts, rosettes, sockets, staples, and hinges.

The above supples are for transshipment to the Department Quartermaster, Philippine Dept., Manila.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until Sept. 17, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 203 Post Office Bldg., Sacramento, under Order No. 6729/RLE, for the hire of automobiles and trucks to be used in Yuba, Nevada, Placer and Eldorado Counties, as follows:

(1) Automobile, 30 days, 700 miles.
(2) Automobile, 30 days, 700 miles.
(3) ¾-ton pick-up truck, 45 days, 200 miles.
(4) ¾-ton pick-up truck, 45 days, 200 miles.

Specifications obtainable from above office.

SAN FRANCISCO—Until September 21, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Ma-

(1) 125 lin. yds. corrugated rubber matting, ⅛-in. thick, 36-in. wide.
(2) 530 ft. galvanized wire rope, extra strong cast steel, fibre core, 1¼-in. diameter, 6 strands, 7 wires each strand.

Specifications obtainable from above office.

WAWONA, Cal.—Until Sept. 17, 3:30 P. M., bids will be received by the District Quartermaster, Civilian Conservation Corps, 414 "P" St., Fresno, under Proposal No. W-5905-35-26 for furnishing lumber, fibreboard, brick, millwork, hardware, roofing, insulating felt, floor covering, plumbing, sheet metal, and electrical materials for the CCC camp located near the Wawona Hotel, Wawona. Quotations are required for materials delivered at the camp as follows:

Lumber, fibreboard, brick	Sept. 22
Millwork	Sept. 26
Hardware	Sept. 22
Roofing, insulating felt, floor covering	Sept. 24
Plumbing, sheet metal	Sept. 24
Electric materials	Sept. 25

Specifications obtainable from above and on file at office of the DAILY PACIFIC BUILDER.

MONTEREY, Cal.—Until September 15, 10:30 A. M., bids will be received by John T. Sallee, Captain, Q.M. Corps, District Quartermaster, Monterey District, Civilian Conservation Corps, Presidio of Monterey, Calif., for furnishing the following material, delivered f.o.b. Camp Arroyo Grande, SES-2, at Arroyo Grande:

(1) 160 ft. 2-in. G. I. pipe;
(2) 280 ft. 1½-in. G.I. pipe.
(3) 200 ft. 1-in. G.I. pipe.
(4) 100 ft ½-in. G.I. pipe.
(5) 2 each 2x1½-in. G. I. tees.
(6) 12 each ½-in. G.I. tees.
(7) 10 each 1½-in. G.I. tees.
(8) 12 each ½-in. G.I. elbows.
(9) 4 each 1½-in. hose bibbs, bronze.
(10) 12 each ½-in. hose bibbs, bronze
(11) 200 ft. 6-in. vitrified tile sewer pipe.
(13) 4 each 6-in. wyes, vitrified tile.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

MERCED CO., Cal.—Valley Paving & Const. Co., P. O. Box 1349, Fresno, at $20,981 awarded contract by State Highway Commission, Sacramento, for the construction of a timber bridge across Santa Rita slough and about 0.5 mile to be graded and surfaced with bituminous treated crushed stone or gravel (plant mix).

CONTRACT AWARDED

LAKEPORT, Cal.—A. O. Lightford, Nice, Calif., at $1453.61 submitted low bid and awarded contract by Lakeport City Council for the construction of two cement bridge with and without retaining walls.

A. Soda & Son, Oakland, at $2022.99 submitted the only other bid.

BIDS WANTED

GRAYS HARBOR COUNTY, Wash. —Until Sept. 25, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for constructing a 200-foot steel truss span with steel girder approaches, total length 277 ft., over Wynoochee River, and a treated pile and timber trestle 70 ft. long over Sylvia Creek on State Road No. 9, U.S.P.W. Project NRH 54-D (1935) in Grays Harbor County.

Plans and specifications obtainable from the above office upon deposit of $2.00. 1

LOW BIDDER

KERN COUNTY, Cal.—Rexroth and Rexroth, 2110 C, Station A, Bakersfield at $2,702 submitted low bid to R. M. Gillis, District Engineer, Fresno, for construction of a timber bridge consisting of three 15-ft. spans in Kern County across Whiterock Creek at Monolith.

BIDS WANTED

LEWIS COUNTY, Washington.—Until Sept. 25, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for the construction of a 100-ft. reinforced concrete arch bridge with concrete girder approaches, total length 199 ft. over Summit Creek on State Road No. 5, U. S. P. W. Project NRH 161-E (1935) in Lewis County.

Plans and specifications obtainable from the above office upon deposit of $2.00. 1

BIDS WANTED

TILLAMOOK COUNTY, Ore.—Until Sept. 19, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or imrpoving the McMinnville-Tillamook Highway Reconstruction (three bridges and reconstructing Alder Creek bridge) Project FHEC - 1 - A2, National Forest Road Project, within or partly within the Siuslaw National Forest, Tillamook County, Ore. The work involves:

(1) 1,035 c.y. unclass. excav.;
(2) 153 c.y. Class A concrete;
(3) 15 cu. yds. Class B concrete;
(4) 272 c.y. Class D concrete;
(5) 43 c.y. Class S concrete;
(6) 59,000 lbs. reinforcing steel;
(7) lump sum, removal of three old bridges and maintenance of traffic;
(8) lump sum, old road obliteration.

Plans and specifications obtainable from the above office upon deposit of $10.00.

22—DREDGING HARBOR WORKS EXCAVATION

BUDGET

LOS ANGELES, Calif.—The County Supervisors have included in the 1934-1935 budget $2,309,000 for maintenance, operation and capital outlay for flood control work. Of this, $250,000 will be expended on purchase of rights-of-way for flood channels and debris basin sites in the Glendale - Montrose area. The budget also includes an allocation of $110,000 for a debris basin and protection work in Brand Canyon and $43,500 for construction of the concrete conduit along Arroyo Vardugo from Pacific to Kenilworth.

BIDS WANTED

SAN FRANCISCO — Until October 4, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, Felton Taylor, Secretary, for the construction of a levee for extension of the landing field at San Francisco Airport under Airport Contract No. 31.

The levee is to enclose a tide-land area adjacent to the existing landing field at the San Francisco Airport. The work includes excavating and loading materials at quarries and borrow pits; hauling said materials from quarries and borrow pits to the levee site, and placing and spreading said materials in the levee; placing through the levee steel pipe, to be furnished by the City, and constructing a spillway box for drainage of the area enclosed by the levee.

Bids will be taken as follows:
(1) 140,000 cu. yds. constructing levee
(2) 10 MFBM constructing spilyway.

B. M. Doolin, Airport Manager. L. T. McAfee, Chief Engineer.

Plans and specifications obtainable at Room 609, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10 2

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

23— IRRIGATION PROJ.

CONTRACT AWARDED

VALE, Ore.—Haas, Doughty & Jones and Marshall & Stacy, 1104 Merchants' Exchange Bldg., San Francisco, at $65,204 awarded contract by the Bureau of Reclamation, Vale, Oregon, under Spec. 579, for construction of earthwork and structures, Vale Main Canal, Station 2450 plus 00 to Station 3891 plus 70, Vale Project, located near Vale and Jamieson, Oregon.

25—MACHINERY AND EQUIPMENT

CONTRACT AWARDED

LOS ANGELES, Calif.—Fairbanks-Morse & Co., 2401 Santa Fe Avenue, awarded a contract for internal combustion engines and accessories for irrigation and drainage pumping plants for Colorado River Indian Reservation, Arizona, under Spec. No. F. P. 263.

BIDS OPENED

BERKELEY, Cal.—Following bids received by the California Forest Experiment Station, U. S. Forest Service, 331 Giannini Hall, University of California, for furnishing one gasoline-driven soil tiller f.o.b. Placerville and/or f.o.b. bidder's shipping point:

Rototiller Tractor Sales & Service Co. San Leandro, $706.66 f. o.b. Placerville, and $699.16 f.o.b. San Leandro.

H. V. Carter Co., San Francisco, $685 Placerville, and $675 San Francisco.

CONTRACT AWARDED

SAN FRANCISCO—C. F. Bishop Co. at $1375 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing Toro Tractor, Model B and 30" Standard Toro Units under Bid 1255.

BIDS OPENED

SAN BERNARDINO, Calif.—Following bids received by the State Purchasing Agent, Sacramento, under Quotation 7503, Req. 149992 for furnishing two 1-way rigid-handle speed snow plows for installation on 1930 Model CU6 F.W.D. trucks with Waukesha SRL motors, 60-in. tread, fob San Bernardino.

Sacramento Tractor and Equipment Co., $951.50; Smith Booth Usher, $983.-50; Jenison Mchy. Co., $988; Brown-Bevis Co., $1070; J. D. Adams Co., $1290; Western Tractor Co., $1230.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the State Purchasing Agent, 322 State Capitol, Sacramento, September 5, for furnishing miscellaneous equipment as follows:

REQ. 8099, 1 "V" thype plow with side wing, for installation on 5-ton, 4-wheel drive truck; f.o.b. Sacramento:
Alt., $1033.
Walter Motor Truck Co.....$1092.50
Alt., $1255.
J. D. Adams Co..... 1157.00
Spears Wells Mchy. Co..... 1362.00
Alt. $1683.
Bevis Machinery Co..... 1479.00
Associated Equipment Co..... 1310.00
Western Traction Co..... 1302.00

REQ. 6846, 1 "V" type speed snow plow mounting on 4-ton 4-wheel drive truck, f.o.b. North Hollywood:

Walter Motor Truck Co.....$1092.50
J. D. Adams Co..... 791.00
Spears Wells Mchy. Co..... 681.00
Alt., $844.
Bevis Machinery Co..... 1020.00
Jenison Machinery Co..... 985.00
Associated Equipment Co..... 1310.00
Western Traction Co..... 1033.00
REQ. 13117, 1 Reversible type rigid blade snow plow for installation on 2 to 2½-ton 4-wheel drive truck; f.o.b. Sacramento:
J. D. Adams Co.....$382.00
Bevis Machinery Co..... 385.90
Edward R. Bacon Co..... 528.40
Sacto. Tractor & Equip. Co..... 372.12
Associated Equipment Co..... 455.00
REQ. 1510, 2 "V" type snow plows with side wings, to be installed on 4-wheel drive truck; f.o.b. San Bernardino:
Walter Motor Truck Co.....$2135.00
J. D. Adams Co..... 1866.00
Spears Wells Mchy. Co..... 1362.00
Alt., $1638.
Harron, Rickard & McCone..... 1908.00
Western Traction Co..... 1302.00
Alt., $1033.
Bevis Machinery Co..... 1394.00
Smith Booth Usher(1)..... 816.50
Edward R. Bacon Co..... 1672.80
Associated Equipment Co..... 2240.00
REQ. 1499, 2 one-way rigid blade speed snow plows, for installation on 3-ton Series E Dodge trucks; f.o.b. San Bernardino:
J. D. Adams Co.....$ 952.00
Spears Wells Mchy. Co..... 1190.00
Harron, Rickard & McCone..... 1080.00
Jenison Mchy. Co..... 612.00
Associated Equipment Co..... 590.00
Bevis Machinery Co..... 620.50
Smith Booth Usher..... 853.50
Edward R. Bacon Co..... 519.50
Sacramento Tractor & Equip. Co.
Sacto. Tractor & Equip. Co..... 581.18
Alt., $642.90.
Western Traction Co..... 950.00
REQ. 6845½,1 straight blade reversible snow plow suitable for installation on 2½-ton 4-wheel drive truck; f.o.b. North Hollywood:
J. D. Adams Co.....$382.00
Spears Wels Mchy. Co..... 595.00
Harrin, Rickard & McCone..... 540.00
Bevis Machinery Co..... 385.90
Smith Booth Usher..... 501.50
Edward R. Bacon Co..... 528.40
Sacto. Tractor & Equp. Co..... 372.12
Associated Equipment Co..... 455.00
Western Traction Co..... 475.00
REQ. 8329, 1 heavy duty speed blade snow plow, complete with fittings to install on 4-ton 4-wheel drive truck; f.o.b. Sacramento:
Walter Motor Truck Co.....$525.00
J. D. Adams Co..... 645.00
Spears Wells Mchy. Co..... 655.00
Alt., $810.
Harron, Rickard & McCone..... 540.00
Bevis Machinery Co..... 465.80
Edward R. Bacon Co..... 500.60
Sacto. Tractor & Equip. Co..... 488.29
Alt., $475.75.
Jenison Mchy Co..... 494.00
Associated Equip. Co..... 475.00
Western Traction Co..... 615.00
REQ. 13139, 1 rigid blade one-way type speed snow plow for installation on GMG 2-ton truck; f.o.b. Sacramento:
J. D. Adams Co.....$476.00
Spears Wells Mchy. Co..... 595.00
Haron, Rickard & McCone..... 540.00
Bevis Machinery Co..... 310.25
Western Traction Co..... 340.00
Edward R. Bacon Co..... 259.75
Sacto. Tractor & Equip. Co..... 290.59
Alt., $321.45.
Jenison Mchy. Co..... 306.00
Associated Equip. Co..... 295.00
REQ. 6845, 1 speed snow plow suitable for installing on Model K-47 Dodge truck; f.o.b. North Hollywood·
J. D. Adams Co.....$476.00
Spears Wells Mchy. Co..... 655.00
Alt., $810.
Bevis Machinery Co..... 310.25
Smith Booth Usher..... 261.00
Edward R. Bacon Co..... 259.75
Sacto. Tractor & Equip. Co.,..... 290.59
Alts., $475.75 and $488.29.
Jenison Mchy. Co..... 306.00
Associated Equipment Co..... 295.00
Western Traction Co..... 340.00
REQ. 13122, 2 one-way rigid blade speed snow plows for FWD Model Cu6 trucks, year 1931 60" tread; f.o.b. Sacramento:
J. D. Adams Co.....$1290.00
Spears Wells Mchy. Co..... 1310.00
Alt., $1620.
Harron, Rickard & McCone..... 1080.00
BevisMachine ry Co..... 931.60
Western Traction Co..... 1230.00
Edward R. Bacon Co..... 1001.20
Sacto. Tractor & Equip. Co..... 976.58
Alt., $951.50.
Jenison Mchy. Co..... 988.00
Associated Equipment Co..... 950.00
REQ. 13121, 2 one-way rigid blade speed snow plows for installation on 2 to 2½-ton 4-wheel drive trucks; f.o.b. Sacramento:
Walter Motor Truck Co.....$1050.00
J. D. Adams Co..... 952.00
Spears Wells Mchy. Co..... 1190.00
Alts., $1310 and $1620.
Harron, Rickard & McCone..... 1080.00
Bevis Mchy. Co..... 756.50
Edward R. Bacon Co..... 871.90
Sacto. Tractor & Equip. Co..... 951.50
Jenison Mch. Co..... 858.00
Associated Equipment Co..... 950.00
Western Traction Co..... 950.00
REQ. 17305, 5 rigid blade heavy duty speed plows for installation on 4-ton 4-wheel drive trcuk; f.o.b. Redding:
Walter Motor Truck Co.....$2625.00
J. D. Adams Co..... 3225.00
Spears Wells Mchy. Co..... 3275.00
Alt. $4050.
Harron, Rickard & McCone..... 2700.00
Bevis Machinery Co..... 2329.00
Edward R. Bacon Co..... 2503.00
Sacto. Tractor & Equip. Co., 2441.46
Alt. $2375.75.
Jenison Mchy. Co..... 2470.00
Associated Equipment Co..... 2375.00
Western Traction Co..... 3075.00
RTQ. 17290, 1 rigid blade speed snow plow, for installation on a 2-ton truck, 2-wheel drive; f.o.b. Redding:
J. D. Adams Co.....$476.00
Spears Wells Mchy Co..... 595.00
Harron, Rickard & McCone..... 640.00
Bevis Machinery Co..... 810.25
Edward R. Bacon Co..... 259.75
Sacto. Tractor & Equip. Co..... 290.59
Jenison Mchy. Co..... 306.00
Associated Equipment Co..... 295.00
Western Traction Co..... 340.00

28—FIRE EQUIPMENT

BIDS OPENED

MADERA, Madera Co., Calif.—Following bids received by the Madera City Council Sept. 4 for furnishing one 750-gallon pumping engine and hose car with water tank equipment:

American La France & Foamite Co., (Proposal 1) $12,546.06; (Proposal 2) rebuilt metropolitan type fire truck, $7,450.

Seagrave Fire Apparatus, $8,846.

Ahruns Fox Fire Engine, $8,795.

Mack International Motor Truck Corp., $8,750.

All bids 5% 30 days. Bids held under advisement.

30—RESERVOIRS & DAMS

FUNDS ASKED

PHOENIX, Arizona—The Salt River Valley Water Users Association has announced that it would seek a government loan of $6,000,000 for the purpose of constructing a storage dam on the Verde River, and for the repair of spillways and dams on the Salt River. The proposed dam, as planned, will be a concrete arch dam, 300 ft. in height. The cost of this structure is estimated at $4,000,000. The balance of the proposed loan will be used for repair and completion of spillways and dams on the Salt River, the rehabilitation of the power canal, and other works to complete the project. Louis C. Hill, of Quinton, Code, Hill, Leeds & Barnard, is the consulting engineer in charge. Lin B. Orne is President of the association.

PLANS COMPLETED

SANTA CLARA COUNTY, Cal.—Fred H. Tibbetts, Chief Engineer for the Santa Clara Water Conservation District, has completed plans and specifications for the Vasona rock and earth fill dam. It will be the first structure to be constructed by the district. The contract will be advertised as soon as PWA approval is received.

BIDS REJECTED

BONNEVILLE, Oregon—All bids received by the U. S. Engineer Office, July 18 under Bid No. 34-804, for furnishing two 60,000 hp. Kaplan turbines and the governing equipment for same have been rejected.

Specifications will be changed and the work re-advertised.

BIDS OPENED

SAN FRANCISCO.—E. T. Lesure, 87 Ross Circle, Oakland, at $25,807.50 submitted only bid to the Public Utilities Commission, Room 287, City Hall, under Spec. W. D. 63, for placing riprap on the Calaveras Dam.

Unit bids were:

(1) 6,750 c.y. riprap pavement on upstream slope of dam, $3.69.

(2) 600 c.y. misc. grading, $1.50.

Bids held under advisement.

PROSPECTIVE BIDDERS

FORT PECK, Mont.—Until Sept. 24, 12 M., as previously reported, bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of the Fort Peck dam spillway.

Site for the proposed spillway for Fort Peck Dam is about three miles east of the east end of the dam. It will consist essentially of an unlined approach channel about 2000 feet long leading to an intake structure composed of structural steel gates mounted between Concrete piers, a concrete lined channel about 5000 ft. long and a cut-off structure at lower end of this channel. An unlined outlet channel will be excavated from lower end of the lined channel to the river valley. The specifications provide only for the construction of the unlined approach channel, the concrete lined channel and the unlined channel extending from lower end of the lined channel and for the preliminary excavation for the proposed gate structure which will be located between approach channel and the lined section.

The work involves:

SCHEDULE NO. 1
(Priorities 1, 3 and 4)

(1) 5,833,000 c.y. shale excavation;
(2) 4,441,000 c.y. overburden excav.;
(3) 100 MFBM furnishing and placing sheeting and bracing;
(4) 44,000 squares (100 sq. ft.) compl. application of liquid sealing solution (3 coats);
(5) 62,500 sqs. (100 sq. ft.) application bit. spray waterproofing solution, (each coat);
(6) 6500 lin. ft. furnish and place 18-in. pipe drains;
(7) 3000 l.f. furnish and place 12-in. pipe drains;
(8) 52,000 l.f. furnish and place 8-in. pipe drains;
(9) 69,000 l.f. furnish and place 6-in. pipe drains;
(10) 23,000 lbs. furnish and place steel vent. pipes;
(11) 50,000 c.y. backfill;

(12) 32,000 c.y. place gravel fill in tile drain ditches;
(13) 12,000 c.y. place gravel fill in surface drain ditches;
(14) 1,445,000 lbs. furnish and place steel sealing strips;
(15) 115,000 l.f. furnish and pour asph. construction joint filler;
(16) 175,900 c.y. mix and place concrete for channel bottom;
(17) 66,200 c.y. mix and place concrete for channel walls;
(18) 7,000 c.y. mix and place do for drain ditches;
(19) 35,000 s.y. furnish and place precast concrete blks. for surface drain;
(20) 5,000 sqs. (100 s.f.) gunite coat;
(21) 5,000 l.f. drilling grout holes;
(22) 5000 lbs. furnish and install grout pipes and connections;
(23) 2,000 c.f. grouting;
(24) 36,000,000 lbs. furnish and place reinf. steel (bars);
(25) 10,000 lbs. furnish and place wire mesh reinf.;
(26) 15,000 gals. bit. "A" applied in gravel base course;
(27) 35,000 s.y. place & prepare gravel base for pave.;
(28) 3,410 tons 2-in. bit. concrete base course in place;
(29) 1,705 tons 2-in. bit. conc. top course in place.

SCHEDULE NO. II

(2nd Priority)

(1) 1,327,000 c.y. shale excavation;
(2) 1,481,000 c.y. overburden excav.;
(3) 50 MBFM furnish & place sheeting and bracing;
(4) 6,000 sqs. (100 sq. ft.) complete application of liquid sealing solution (3 coats);
(5) 6,000 sq. application of bit. spray waterproofing solution (ea. coat)

1st Priority, 6,966,000 yardage excav., 270 calendar days;
2nd priority, 2,808,000 yardage excav., 390 calendar days;
3rd priority, 950,000 yardage excav., 450 calendar days;
4th priority, 1,358,000 yardage excav., 700 calendar days.

Bids may be submitted for any one schedule or combination of schedules.

Following have procured plans:

A. S. Schulman Electric Co., 535 So. Dearborn St., Chicago.
Addison-Miller, Inc., 1111 Builders' Exchange, St. Paul, Minn.
Atkinson Const. Co., Los Angeles.
A. Guthrie & Co., 12th floor, Bldrs. Exch., St. Paul, Minn.
Brader Const. Corp., 551 Fifth Ave., New York City.
Bates & Rogers Const. Co., 111 W. Washington St., Chicago.
Condon Cunningham Cole Co., 705 Locust St., Carter Lake, Omaha, Neb.
C. M. Bolton & Co., 6034 Tyndull Ave., New York City.
C. F. Lytle, 504 Nebraska St., Sioux City, Iowa.
Dravo Contr. Co., Dravo Building, Pittsburgh, Pa.
Edward Peterson Co., W.O.W. Bldg. Omaha.
Ford, Bacon & Davis Const. Corp., 39 Broadway, New York City.
Foundation Co., 120 Liberty Street, New York City.
Fraser-Brace Engr. Co., Inc., 10 E. 40th St., New York City.
Frazier-Davis Const. Co., 1319 Macklind Ave., St. Louis.
Foley Bros., Inc., 9th floor, New York Bldg., St. Paul, Minn.
Guy T. Atkinson Co., Russ Bldg., San Francisco.
G. L. Tarlton, Ambassador Bldg., St. Louis.
Henry J. Kaiser Co., Oakland.
J. F. Shea Co., Portland, Ore.
Kansas City Bridge Co., 215 Pershing Road, Kansas City.
Missouri River Tunnel Const. Co., 908 W. 25th St., Kansas City.
Morrison-Knudsen Co., Spokane.
Missouri Valley Bridge & Iron Co., Leavenworth, Kansas.
Montana-Utah Co., 1 Montgomery St., San Francisco.
Morris & Daugherty, 514 Globe Bldg. St. Paul, Minn.
Northern States Contr. Co., 312 Endicott Bldg., St. Paul.
Patrick McGovern, Inc., 50 East 42nd St., New York City.
Raymond Concrete Pile Co., 140 Cedar St., New York City.
Risoff Subway Const. Co., New York City.
Reinhardt & Dennis Co., Inc., Charlottsville, Va.
Six Companies, Boulder City, Nev.
Silas Woodward, 10 E. 40th Street, New York City.
Stevens Bros., 610 Endicott Bldg., St. Paul.
Silas Mason Co. and Walsh Const. Co., Glasgow, Mont.
S. J. Groves & Sons Co., 510 Wesley Temple Bldg., Minneapolis, Minn.
S. S. Magoffin Co., Inc., Adrian, Ore.
Lawler Corp., Lewishon Bldg., Butte Montana.
R. C. Mahon Co., 8650 Mt. Elliott Ave., Detroit.
Thaddeus Merriman, 346 Broadway, New York City.
Hunkin-Conkey Const. Co., 1740 E. 12th St., Cleveland, Ohio.
Massman Const. Co., 737 New York Life Bldg., Kansas City, Mo.
Arundel Corp., Pier 2, Pratt Street, Baltimore, Md.
Geo. R. Cooke Co., Penobscot Bldg., Detroit.
Union Bridge & Const. Co., BMA Bldg., Kansas City, Mo.
Winston Bros. Co., 1470 N.W. Bank Bldg., Minneapolis, Minn.
W. A. Bechtel Co., 155 Sansome St., San Francisco.
W. A. Ross Const Co., 908 W. 25th St., Kansas City.
Woods Bros. Const. Co., 132 S. 13th St., Lincoln, Neb.

Plans and specifications obtainable from the above office upon deposit of $100 payable to Disbursing Officer, U. S. Engineer Office, Kansas City, Mo.

31—PIPE LINES & WELLS

CONTRACT AWARDED

STOCKTON, Cal.—W. T. Gibson, 123 S. Grant St., Stockton, at $4,223 was awarded contract by the Stockton City Council for furnishing and installing pipe lines for sprinkling systems at Louis Park, Stockton.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by the Metropolitan Water District, August 31, for furnishing approximately 168 or more feet of movable steel telescoping forms and accompanying traveler for lining 16 ft. tunnel under Specifications No. 71.

Bids were taken as follows:

SCHEDULE NO. 1

(1a) 7 24-ft. sections interior steel forms, lump sum;
(b) Price per section for not less than 21 nor more than 30 additional sections, if ordered within 120 days;
(2a) One set lower jack stays consisting of 70 separate screw jacks, lump sum;
(b) Price each for furnishing not less than 210 nor more than 300 additional screw jacks, if ordered within 120 days after date of contract.
(3a) One traveler complete, lump sum
(b) Price, lump sum, for furnishing 3 additional travelers, if ordered within 120 days from date of contract;
(4) Lump sum for furnishing 24 lin. ft. additional interior steel forms with screw jacks, etc., but without traveler, if ordered within 120 days from date of contract;
(5) Lump sum for furnishing 48 lin. ft. additional interior steel forms, with screw jacks, etc., but without traveler, if ordered within 120 days;
(6) Lump sum for furnishing 74 lin. ft. additional interior steel forms, with screw jacks, etc., but without traveler, if ordered within 120 days.

SCHEDULE NO. 2

(1a) 168 ft. interior steel froms at price per ft, of form length;
(b) Price per ft. for not less than 500 nor more than 720 ft. additional steel forms, if ordered within 120 days;
(2) There is no item (2) in Schedule 2;
(3a) Traveler complete, lump sum;
(b) Lump sum price for 3 additional travelers, if ordered within 120 days;
(4) 24 lin. ft. additional interior steel forms, with necessary stays, jacks, etc., but without traveler, if ordered within 120 days (price per ft. of form length);
(5) 48 lin. ft. additional interior steel forms, with necessary stays, jacks, etc., but without traveler, if ordered within 120 days (price per ft. of form length);
(6) 72 lin. ft. additional interior steel forms, with necessary stays, jacks, etc., but without traveler if ordered within 120 days (price per ft. of form length.

The bidders were:

(A) Consolidated Steel Corp., Los Angeles, f.o.b. Los Angeles; no discount. Time of shipment: (Item (1), first 7 additional sections, 60 days; second 7 in 70 days; third 7 in 80 days, and the balance in 90 days. Item (2) first 70 additional screw jacks, 60 days; second 70 in 70 days; third 70 in 80 days, and balance in 90 days. Item (3) first additional traveler, 60 days; second, 70 days, and third, 80 days
(B) Blaw-Knox & Western Pipe Corp. Los Angeles; f.o.b. Los Angeles. No discount. Time of shipment: Item (1) 60, 65, 70 and 75 days; Item (2) 60, 65, 70 and 75 days; Item (3) 60, 65 and 70 days.
(C) Koppel Industrial Car & Equipment Co., Koppel, Pa. (represented by Garlinghouse Bros., Los Angeles) f.o.b. Koppel, Pa. No discount. Time of shipment: Item (1) 35, 49, 63 and 77 days; Item (2) 35, 49, 63 and 77 days; Item (3) 35, 49 and 63 days.

The bids were:

SCHEDULE NO. 1

(1a) (A) $15,200; (B) $15,800; (C) $16,-210; shipping weight in lbs. (A) 192,150; (B) 190,000; (C) $199,437.
(b) (A) $2115; (B) $2210; (C) $2041.
(2a) (A) $2089; (B) $2210; (C) $1974; shipping weights in lbts. (A) 9100; (B) 8300; (C) 7550.
(b) (A) $28; (B) $30; (C) $27.50.
(3a) (A)$3400; (B) $4250; (C) $3215; shipping weight in lbs. (A) 12,575 (B) 12 000; (C) 14,055.
(3b) (A) $9600; (B) $12,000; (C) $7,-307.
(4a) (A) $2470; (B) $2510; (C) $2390.
(5) (A) $4900; (B) $4975; (C) $4650.
(6) (A) $7359; (B) 7470; (C) $6893.

SCHEDUUE NO. 2

(1a) (A) $92; (B) $89; (C) $90.32; shipping weigth in lbs. (A) 168,-000; (B) 207,200; (C) 214,732.
(b) (A) $90; (B) $87.50; (C) $83.60.
(2) * * *
(3a) (A) $1778; (B) $1400; (C) $1285. shipping weight in lbs. (A) 6300; (B) .....; (C) 8816.
(b) (A) $5100; (B) $3950; (C) $3236.
(4) (A) $100; (B) $93.00; (C) $88.00.
(5) (A) $100.00; (B) $92.50; (C) $86.60
(6) (A) $100.00; (B) $92.00; (C) $84.50

*No item (2) in Schedule 2.

CONTRACT AWARDED

KERN and San Luis Obispo Cos., Cal.—Lindgren & Swinerton, 225 Bush St., San Francisco, awarded contract by the Standard Oil Co. of California, 225 Bush St., San Francisco (H. H. Hall, Chief Engineer) for the construction of 36 miles of pipe line from Rio Bravo, Kern County west toward Estero Bay, San Luis Obispo County, West Division of the 108-mile 12-in. welded steel pipe line to be constructed between Rio Bravo and Estero Bay. 31

PERMIT ASKED

SAN LUIS OBISPO CO., Cal.—Application has been made by the Standard Oil Co. of California for War Department permit to install an 18-inch submerged pipe line with necessary moorings and a submarine telephone cable in Estero Bay, San Luis Obispo County.

Drawings showing the location and plan of the proposed installation may be seen at the U. S. Engineer Office, 751 S. Figueroa St., Los Angeles, Major H. H. Stickney, District Engineer, until Sept. 17, 11 A. M.

Interested parties are invited to inspect these drawings and to submit in writing in triplicate, on or before said date, any objections, based on navigation interests, that they may have to said installation. Objections based on other than navigation interests cannot be considered. 1

CONTRACT AWARDED

KERN and San Luis Obispo Cos., Cal.—Youdall Const. Co., Matson Bldg. San Francisco, Hugh F. Brown, 223 Main St., San Francisco, and Stroud Bros. & Seabrook, Bakersfield, awarded contract by the Standard Oil Co. of California, 225 Bush St San Francisco (H. H. Hall, Chief Engineer) for construction of 75 miles of pipe line from Rio Bravo, Kern County west toward Estero Bay, San Luis Obispo county. The contract comprises the East Division of the 108-mile 12-in. welded steel pipe line to be constructed between Rio Bravo and Estero Bay. Bids on the contract for the West Division of the line are being held under advisement until early next week. 1

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for constructing cut-and-cover conduit concrete-lined canal, cast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, Stations 675 plus 75 to 7251 plus 90, in acordance with Spec. No. 70, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, October 3, 10 A. M., are:

Pacific Coast Steel Corp., 11,100 S. Central Ave., Los Angeles.
C. W. Wood, Box 49, Stockton.
Chicago Bridge & Iron Works, 608 S. Hill St., Los Angeles.
Shofner & Gordon, 5670 Wilshire Blvd., Los Angeles.
Thompson & Peck, 720 H. W. Hellman Bldg., Los Angeles.
Southern Pacific Railway, Pacific Electric Bldg., Los Angeles.
Youdall Const. Co., 215 Market St., San Francisco.
Ingalls Iron Works Co., 2518 Encinal Ave., Alameda.
James M. Conlon Co., 323 Transamerica Bldg., Los Angeles.
The Barrett Co., 40 Rector Street, New York City.
United Concrete Pipe Corp., Box 1, Station H, Los Angeles.
Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles.
Consolidated Steel Corp., P. O. Box 1348, Arcade Station, Los Angeles.
American Concrete & Steel Pipe Co. P. O. Box 1428, Arcade Station, L. A.
Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.
C. C. Moore & Co., 204 Edison Bldg., Los Angeles.
Southwest Welding & Mfg. Co., 3201 W. Mission Road, Alhambra.
Harnischfeger Sales Corp., 2027 Santa Fe Ave., Los Angeles.
Sheel Co., 1008 W. 6th St., Los Angeles.
Wm. Ruddock, 1420 N. Spring St., Los Angeles.
Crook Co., 2900 Santa Fe Ave., Los Angeles.
Northwest Engr. Co., 2707 Santa Fe Ave., Los Angeles.
Kubach-Snyder Co., 2225 E. 37th St., Los Angeles.
Barrett & Hilp, 918 Harrison St., San Francisco.
Aetna Casualty & Insurance Co., 810 S. Spring St., Los Angeles.
Winston Bros. Co., 520 Title Guarantee Bldg., Los Angeles.
Robinson - Roberts Co., 226 Rives-Strong Bldg., Los Angeles.
Morrison - Knudsen Co., 1121 Title Guarantee Bldg., Los Angeles.
Trojan Powder Co., 126 W. Third St., Los Angeles.
Brown - Bevis Equipment Co., 4900 Santa Fe Ave., Los Angeles.
Oswald Bros., 336 E. 58th St., Los Angeles.
Ingersoll-Rand Co., 1460 E. 4th St., Los Angeles.
Worthington Co., 5075 Santa Fe Ave. Los Angeles.
Atkinson Const. Co., 9135 Russet St., Oakland.
Mittry Bros., 5531 Downey Rd., Los Angeles.
Neil G. Gibbons, 809 Edwards-Wildey Bldg., Los Angeles.
W. S. Cooper, 2921 Hillcrest Drive, Los Angeles.
Apache Powder Co., 426 S. Hill St., Los Angeles.
Heuser & Garnett, 816 Allen Ave., Glendale.
Bent Bros., Inc., 418 S. Pecan St., Los Angeles.
Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles.
Chas. H. Johnston, 2100 Parkgrove, Los Angeles.
West Const. Co., Whitewater, Cal.
Sharp & Fellows Contr. Co., Central Bldg., Los Angeles.
John Phillips Co., 206 Sansome St., San Francisco.
J. W. Breedlove Exc. Co., 1027 Transamerica Bldg., Los Angeles.
L. E. Dixon Co., 609 S. Grand, Los Angeles.
V. R. Dennis Const. Co., P. O. Box F, Station A, San Diego.
Utah Const. Co., 1 Montgomery St., San Francisco.
Wm. C. Crowell, 495 S. Broadway, Pasadena.
J. F. Shea Co., Inc., Meca, Calif.

Soule Steel Co., 6200 Wilmington Ave., Los Angeles.
Bucyrus-Erie Co., 989 Folsom St., San Francisco.
George Pollock Co., 1013 Forum Bldg., Sacramento.
Harry C. Collins Machinery Co., 2146 E. 38th St., Los Angeles.
E. W. Tuttle, 326 W. Third St., Los Angeles.
Belyea Truck Co., 6800 S. Alameda St., Los Angeles.
Rix Co., 810 Santa Fe Ave., Los Angeles.
West Slope Constr. Co., Box 146, Azusa.
John Harvey, 316 E. Third St., Los Angeles.
Elliott Stroud Bros. & Seabrook, 1212 Ethel St., Glendale.
Walsh Constr. Co., 904 Chester Williams Bldg., Los Angeles.
MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco.
The Lawler Corp., Lewisohn Bldg., Butte, Montana.
Sullivan Machinery Co., 2900 Santa Fe Ave., Los Angeles.
Fredrickson & Watson Constr. Co., 873 81st Ave., Oakland.
White Truck Co., 49th and Santa Fe Ave., Los Angeles.
Concrete Engineering Co., 1450 Mirasol St., Los Angeles.
W. A. Bechtel Co., 155 Sansome St., San Francisco.
Six Companies, Inc., Boulder City, Nevada.
The Barrett Co., 1136 S. Hayworth Ave., Los Angeles.
Standard Steel Works, 5001 Boyle Ave., Los Angeles.
Henry A. Bourne, 548 Roosevelt Bldg., Los Angeles.
Pacific Rock & Gravel Co., 709 Rowan Bldg., Los Angeles.
Kemper Constr. Co., Ltd., 3701 S. Overland Ave., Los Angeles.
Cement Gun Conser. Co. of California, 640 E. 61st St., Los Angeles.
Broderick & Gordon, 215 S. Bedford Place, Beverly Hills.
Columbia Steel Co., 510 Arcade Station, Los Angeles.
S. S. Magoffin, Adrian, Oregon.
K. G. Whinery, 398 Loma Drive, Los Angeles.
American Concrete Expansion Joint Co., 211 N. LaSalle St., Chicago, Ill.
J. E. Huber, 4400 District Blvd., Los Angeles.

BIDS WANTED

LOS ANGELES, Cal.—Until October 3, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for constructing cut-and-cover conduit, concrete-lined canal, pre-cast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, Stations 675 plus 75 to 7251 plus 90, in accordance with Spec. No. 70. The work, which is located in San Bernardino and Riverside counties, comprises approximately 110.62 miles of aqueduct construction between a point about 6 miles north of the town of Earp, California on the Phoenix branch of the A. T. & S. F. Ry., and a point about 12 miles east of the town of Indio, Calif., on the Southern Pacific. The work has been divided into schedules as follows:

Sched. Grp. No.	Conduit	Canal	Siphons	Total
(1)	3.85	....	0.32	4.17
(2)	4.66	....	1.13	5.79
(3)	.....	5.27	2.40	7.67
(4)	.....	9.50	.58	10.08
(5)	.....	9.39	.76	10.15
(6)	.....	....	2.94	2.94
(7)	2.34	2.90	.....	5.24
(8)	.....	7.88	1.52	9.40
(9)	.63	7.79	.56	8.98
(10)	.....	7.50	.93	8.43
(11)	.60	6.45	1.38	8.43
(12)	6.00	....	.33	6.33
(13)	.19	5.65	.58	6.42
(14)	5.72	....	.41	6.13
(15)	6.43	....	.36	6.79
(16)	3.23	....	.44	3.67
Total	33.65	62.33	14.64	110.62

Except in certain rock sections where the width is 12 ft., the canal is to have a bottom width of approximately 20 ft. and a depth of water of about 10 ft. The conduit is to be of semi-elliptical section with a height of about 16 ft. Siphons generally are to be of precast concrete pipe or of monolithic (cast in place) construction, alternate bids being called for on these two types. For the Freda and one other siphon (total length approximately 3.3 miles) bids will also be received upon welded steel pipe. Monolithic construction only will be considered for certain short siphons. Certified or cashier's check for 5% must accompany each bid. Plans and

specifications may be obtained AFTER specifications may be obtained at the office of Gen. Manager and Chief Engineer, F. E. Weymouth, Room 1007, 306 W. Third St., Los Angeles, upon payment of $5, which payment will not be returned.

Complete list of bid items follows:

SCHEDULE 1

Construction of cut-and-cover conduit and appurtenant works, between Stations 675 plus 75 and 896 plus 00; length 20,325 feet.

Note: A proposal under Schedule 1 will not be considered unless the bidder also submits proposals on Schedules 1A and 1B or on

1A and 1P

(1) 700,000 cu. yds. excavation for conduit, common;
(2) 285,000 cu. yds. do, rock;
(3) does not apply here;
(4A) 1,000 cu. yds. excav. for drain pipe, common;
(4B) 50 cu. yds. excav. do, rock;
(5) to (7) do not apply here;
(8) 460,000 cu. yds. backfill for conduit;
(9) to (11) do not apply here;
(12) 84,000 cu. yds. concrete in conduit;
(13) 650 cu. yds. concrete in struc., reinforced;
(14) 70 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 150,000 lbs. placing reinforcement steel in conduit;
(18) 42,000 lbs. do in structures;
(19) 75,000 lbs. placing metal for construction joints;
(20) 150,000 lbs. do for dummy joints;
(21A) does not apply here;
(21B) 4000 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 200 lin. ft. laying 8-in. drain pipe;
(32) 3800 ton-mile hauling steel;
(33) 160,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 1A

Construction of three circular monolithic siphons and appurtenant works, between Sta. 675+75 and 896+00. Siphon diameter 16 ft. 0 in.; total length 810 feet.

Note: Sched. 1A will not be awarded separately from Schedule 1.

(1) 7,000 cu. yds. excavation for siphons, common;
(2) 13,000 cu. yds. excavation for siphons, rock;
(3) and (4) do not apply here;
(5) 20 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 10,000 cu. yds. backfill for siphons
(9) to (11) do not apply here;
(12) 1,500 cu. yds. concrete in siphons;
(13) 1,450 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 210,000 lbs. placing reinforcement steel in siphons;
(18) 190,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 19,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 6,400 ton-mile hauling steel;
(33) 5,800 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 1B

Construction of two circular monolithic siphons and appurtenant works, between Stations 675+75 and 896+00. Siphon diameter 12 ft. 4 in.; total length 890 feet.

Note: Sched. 1B will not be awarded separately from Schedule 1. Schedules 1B and 1P are alternative.

(1) 15,000 cu. yds. excavation for siphons, common;
(2) 4,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 9,000 cu. yds. backfill for siphons;
(9) to (11) do not apply here;
(12) 1,270 cu. yds. concrete in siphons
(13) 865 cu. yds. concrete in structures reinforced;
(14) 70 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 220,000 lbs. placing reinforcement steel in siphons;
(18) 120,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 20,000 lbs. installing misc metal work;
(22) to (31) do not apply here;
(32) 5,500 ton-mi. hauling steel;
(33) 4,400 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 1P

Construction of two precast concrete siphons and appurtenant works, between Stations 675+75 and 896+00. Siphon diameter 12 feet 0 inches; total length, 890 feet.

(1) 14,000 cu. yds. excav. for siphons, common;
(2) 3,760 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 8,100 cu. yds. backfill for siphons;
(9) to (12) do not apply here;
(13) 850 cu. yds. concrete in structures reinforced;
(14) 380 cu. yds. do, plain;
(15) does not apply here;
(16) 700 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 120,000 lbs. placing reinf. steel in structure;
(19) to (21) do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 208,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 2,120 ton-mile hauling steel;
(33) 4,800 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 2

Construction of cut-and-cover conduit and appurtenant works, between Stations 896+00 and 1204+75; length 24,584 feet.

Note: A proposal under Schedule 2 will not be considered unless the bidder also submits proposals on Schedules 2A and 2B, or on 2A and 2P.

(1) 1,050,000 cu. yds. excav., for conduit, common;
(2) 85,000 cu. yds. do, rock;
(3) to (7) do not apply here;
(8) 510,000 cu. yds. backfill for conduit;
(9) to (11) do not apply here;
(12) 105,000 cu. yds. concrete in conduit;
(13) 190 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 150,000 lbs. placing reinf. steel in conduit;
(18) 13,000 lbs. do in structure;
(19) 90,000 lbs. placing metal for construction joints;
(20) 180,000 lbs. do for dummy joints;
(21A) does not apply here;
(21B) 5000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 3,800 ton-mile hauling steel;
(33) 250,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 2A

Construction of three circular monolithic siphons and appurtenant works, between Stations 896+00 and 1204+75. Siphon diameter 16 feet 0 inches; total length 645 feet.

Note: Sched. 2A will not be awarded separately from Schedule 2.

(1) 13,000 cu. yds. excavation for siphons, common;
(2) 6,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 100 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 9,000 cu. yds. backfill for siphons;
(9) to (11) do not apply here;
(12) 960 cu. yds. concrete in siphons;
(13) 1,450 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 140,000 lbs. placing reinf. steel in siphons;
(18) 180,000 lbs. do in structure;
(19) to (21A) do not apply here;
(21B) 19,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 4,900 ton-mile hauling steel;
(33) 5,700 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd. mi. overhaul of conc. aggregates.

SCHEDULE 2B

Construction of four circular monolithic siphons and appurtenant works, between Stations 896+00 and 1204+75. Siphon diameter 12 feet 4 inches; total length 5340 feet.

Note: Sched. 2B will not be awarded separately from Schedule 2. Schedules 2B and 2P are alternative.

(1) 110,000 cu. yds. excavation for siphons, common;
(2) 10,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 100 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 48,700 cu. yds. backfill for siphons
(9) to (11) do not apply here;
(12) 9,100 cu. yds. concrete in siphons
(13) 1,730 cu. yds. concrete in struc., reinforced;
(14) 30 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 1,250,000 lbs. placing reinf. steel in siphons;
(18) 220,000 lbs. do in structures;
(19) to (21A) do not apply here,
(21B) 48,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 22,500 ton-mile hauling steel;
(33) 25,100 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd-mile overhaul of concrete aggregates.

SCHEDULE 2P

Construction of four precast concrete and appurtenant works, between Stations 896+ 00 and 1204+ 75. Siphon diameter 12 feet 0 inches; total length 5340 feet.

Note: Schedules 2P and 2B are alternative.

(1) 102,500 cu. yds. excavation for siphons, common;
(2) 9,450 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 100 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 43,800 cu. yds. backfill for siphons
(9) to (12) do not apply here;
(13) 1,720 cu. yds. concrete in struc., reinforced;
(14) 2,200 cu. yds. do, plain;
(15) does not apply here;

(16) 4,976 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 216,000 lbs. placing reinforcement steel in structures;
(19) to (21A) do not apply here;
(21B) 48,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 1,350,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 4,000 ton-mile hauling steel;
(33) 29,600 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd-mile overhaul of concrete aggregates.

SCHEDULE 3

Construction of lined canal and appurtenant works, between Stations 1204+75 and 1609+95; length 27,807 ft.

Note: A proposal under Schedule 2 will not be considered unless the bidder also submits proposals on Schedules 3A and 3B or on 3A and 3P

(1) 740,000 cu. yds. excav. for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 230,000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 102,000 cu. yds. do for parallel drains and borrow, unclassified;
(4) does not apply here;
(5) 1,730 cu. yds. excav. for struc., common;
(6) 30 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 660 cu. yds. compacted backfill for structures;
(10) 2,200 cu. yds. compacting embankments;
(11) 7,800 sq. yds. riprap;
(12) 40,300 cu. yds. concrete in canal lining;
(13) 1,140 cu. yds. concrete in struc., reinforced;
(14) 130 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 4,350,000 lbs. placing reinf. steel in canal lining;
(18) 120,000 lbs. do in structures;
(19) and (20) do not apply here;
(21A) 31,300 lbs. installing gates, hoists and operating mechanisms;
(21B) 19,000 lbs. installing misc. metal work;
(22) to (29) do not apply here;
(30) 5,800 lbs. placing hand railings;
(31) does not apply here;
(32) 20,700 ton-mile hauling steel;
(33) 99,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd-mile overhaul of concrete aggregates.

SCHEDULE 3A

Construction of twelve monolithic siphons with 9-ft. 9-in. square barrels, together with appurtenant works, between Stations 1204+75 and 1609+95. Total length 4120 feet.

Note: Sched. 3A will not be awarded separately from Schedule 3.

(1) 130,000 cu. yds. excavation for siphons, common;
(2) 1,000 cu. yds. do. rock;
(3) and (4) do not apply here;
(5) 190 cu. yds. excav. for struc., common;
(6) 20 cu. yds. do. rock;
(7) does not apply here;
(8) 35,000 cu. yds. backfill for siphons;
(9) 3,200 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1,100 sq. yds. riprap;
(12) 11,550 cu. yds. concrete in siphons
(13) 2,750 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 2,500,000 lbs. placing reinforcement steel in siphons;
(18) 260,000 lbs. do, in structures;
(19) to (21A) do not apply here;
(21B) 10,200 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 25,400 ton-mile hauling steel;
(33) 32,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd-mile overhaul of concrete aggregates.

SCHEDULE 3B

Construction of eight circular monolithic siphons and appurtenant works, between Stations 1204 plus 75 and 1609 plus 95. Siphon diameter 12 ft. 9 in., total length 8575 feet.

Note: Sched. 3B will not be awarded separately from Schedule 3. Schedules 3B and 3P are alternative.

(1) 160,000 cu. yds. excavation for siphons, common;
(2) 1,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 180 cu. yds. excavation for etruc., common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 84,100 cu. yds. backfill for siphons
(9) 4,800 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1,350 sq. yds. riprap;
(12) 14,400 cu. yds. concrete in siphons
(13) 4,840 cu. yds. concrete in struc., reinforced;
(14) 40 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 1,800,000 lbs. placing reinforcement steel in siphons;
(18) 810,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 29,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 26,800 ton-mile hauling steel;
(33) 45,800 ton-mile hauling cement;
(34) overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd. mile.

SCHEDULE 3P

Construction of eight precast concrete siphons and appurtenant works, between Stations 1204 plus 75 and 1609 plus 95. Siphon diameter 12 ft. 4 in.; total length 8575 feet.

Note: Schedules 3P and 3B are alternative.

(1) 144,000 cu. yds. excavation for siphons, common;
(2) 900 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 180 cu. yds. excavation for struc., common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 72,700 cu. yds. backfill for siphons
(9) 4,800 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1,350 sq. yds. riprap;
(12) does not apply here;
(13) 4,840 cu. yds. concrete in struc., reinforced;
(14) 3,170 cu. yds. do, plain;
(15) does not apply here;
(16) 7,085 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 792,000 lbs. placing reinforcement steel in structures;
(19) to (21A) do not apply here;
(21B) 29,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 1,990,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 8,100 ton-mile hauling steel;
(33) 48,100 ton-mile hauling cement;
(34) overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd. mile.

SCHEDULE 4

Construction of lined canal and appurtenant works, between Stations 1609 plus 95 and 2142 plus 55; length 50,143 feet.

Note: A proposal under Schedule 4 will not be considered unless the bidder also submits a proposal on Schedule 4A.

(1) 880,000 cu. yds. excavation for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 185,000 cu. yds. excavation for diagonal drains and wasteways, unclassified;
(3B) 19,900 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) does not apply here;
(5) 170 cu. yds. excavation for struc., common;
(6) 10 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 30 cu. yds. compacted backfill for structures;
(10) 200 cu. yds. compacting embankments;
(11) 5,200 sq. yds. riprap;
(12) 72,500 cu. yds. concrete in canal lining;
(13) 150 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 7,800,000 lbs. placing reinforcement steel in canal lining;
(18) 15,000 lbs. placing do in struc.;
(19) to (31) do not apply here;
(32) 50,700 ton-mile hauling steel;
(33) 251,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd. mile.

SCHEDULE 4A

Construction of ten monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works, between Stations 1609 plus 95 and 2142 plus 55. Total length 3075 feet.

Note: Sched. 4A will not be awarded separately from Schedule 4.

(1) 80,000 cu. yds. excavation for siphons, common;
(2) 500 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 160 cu. yds. excavation for struc., common;
(6) 20 cu. yds. do, rock;
(7) does not apply here;
(8) 24,700 cu. yds. backfill for siphons
(9) 2,750 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1,800 sq. yds. riprap;
(12) 8,140 cu. yds. concrete in siphons
(13) 2,270 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 1,600,000 lbs. placing reinforcement steel in siphons;
(18) 220,000 lbs. placing do in struc.;
(19) to (21A) do not apply here;
(21B) 8,600 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 11,800 ton-mile hauling steel;
(33) 35,800 ton-mile hauling cement;
(34) overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd. mile.

SCHEDULE 5

Construction of lined canal and appurtenant works, between Station 2142 plus 55 and 2679 plus 30; total length 49,568 feet.

Note: A proposal under Schedule 5 will not be considered unless the bidder also submits a proposal on Schedule 5A.

(1) 750,000 cu. yds. excavation for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 174,000 cu. yds. excavation for diagonal drains and wasteways, unclassified;
(3B) 23,000 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) does not apply here;
(5) 1,580 cu. yds. excavation for struc common;
(6) 40 cu. yds. do, rock;
(7) 300 cu. yds. grading for railroad;
(8) does not apply here;
(9) 430 cu. yds. compacted backfill for structures;
(10) 600 cu. yds. compacting embankments;

(11) 4,000 sq. yds. riprap;
(12) 71,500 cu. yds. concrete in canal lining;
(13) 890 cu. yds. concrete in struc., reinforced;
(14) 20 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 7,700,000 lbs. placing reinf. steel in canal lining;
(18) 110,000 lbs. do in structures;
(19) and (20) do not apply here;
(21A) 31,300 lbs. installing gates, hoists and operating mechanisms;
(21B) 500 lbs. installing misc. metal work;
(22) to (29) do not apply here;
(30) 4,300 lbs. placing hand railings;
(31) does not apply here;
(32) 19,200 ton-mile hauling steel;
(33) 96,300 ton-mile hauling cement;
(34) overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd. mile.

SCHEDULE 5A

Construction of twelve monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works, between Stations 2142 plus 55 and 2679 plus 30. Total length 4020 feet.

Note: Sched. 5A will not be awarded separately from Schedule 5.

(1) 105,000 cu. yds. excavation for siphons, common;
(2) 600 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 190 cu. yds. excavation for struc., common;
(6) 25 cu. yds. do rock;
(7) does not apply here;
(8) 33,800 cu. yds. backfill for siphons
(9) 3,300 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 2,200 sq. yds. riprap;
(12) 11,150 cu. yds. concrete in siphons
(13) 2,730 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 2,290,000 lbs. placing reinf. steel in siphons;
(18) 280,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 10,200 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 6,300 ton-mile hauling steel;
(33) 18,300 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10 cents ($0.10) per cu. yd. mi.

SCHEDULE 6

Construction of Freda siphon and appurtenant works, Stations 2679 plus 30 to 2834 plus 70. Circular monolithic siphon; diameter 12 ft. 4 in.; total length, 15,540 feet.

(1) 180,000 cu. yds. excavation for siphon, common;
(2) 600 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 230 cu. yds. excav. for structures, common;
(6) 20 cu. yds. do, rock;
(7) 300 cu. yds. grading for railroad;
(8) 110,000 cu. yds. backfill for siphon
(9) 1100 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 29,650 cu. yds. concrete in siphon; reinforced;
(13) 630 cu. yds. concrete in struc., reinforced;
(14) 500 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 5,620,000 lbs. placing reinf. steel in siphon;
(18) 102,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 12,700 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 12,800 ton-miles hauling steel;
(33) 37,800 ton-miles hauling concrete;
(34) overhaul of concrete aggregates fixed at 10 cents ($0.10) per cu. yd. mi.

SCHEDULE 6P

Construction of Freda siphon and appurtenant works, Stations 2679 plus 30 to 2834 plus 70. Precast concrete siphon; diameter 12 ft. 0 in. Length 15,640 feet.

Note: Schedules 6P, 6S and 6 are alternative.

(1) 168,000 cu. yds. excavation for siphon, common;
(2) 470 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 230 cu. yds. excav., for structures, common;
(6) 20 cu. yds. do, rock;
(7) 300 cu. yds. grading for railroad;
(8) 99,000 cu. yds. backfill for siphon;
(9) 1100 cu. yds. compacted backfill for structures;
(10) to (12) do not apply here;
(13) 630 cu. yds. concrete in structures reinforced;
(14) 7150 cu. yds. do, plain;
(15) does not apply here;
(16) 15,352 lin. ft. precast concrete pipe in siphon;
(17) does not apply here;
(18) 102,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 12,700 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 5,060,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 2600 ton-miles hauling steel;
(33) 40,200 ton-miles hauling cement;
(34) overhaul of concrete aggregates fixed at 10 cents ($0.10) per cu. yd. mi.

SCHEDULE 6S

Construction of Freda siphon and appurtenant works, Stations 2679 plus 30 to 2834 plus 70. Welded steel siphon, diameter 12 ft. 8 in. Length 15,-540 feet.

Note: Schedules 6S, 6P and 6 are alternative.

(1) 106,000 cu. yds. excavation for siphon, common;
(2) 100 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 6000 cu. yds. excav. for structures common;
(6) 50 cu. yd. do, rock;
(7) 300 cu. yds. grading for railroad;
(8) 500 cu. yds. backfill for siphon;
(9) 6600 cu. yds. compacted backfill for structures;
(10) to (12) do not apply here;
(13) 1390 cu. yds. concrete in struc., reinforced;
(14) 4285 cu. yds. do, plain;
(15) 1440 cu. yds. concrete in anchors, reinforced;
(16) and (17) do not apply here;
(18) 225,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 2000 lbs. installing misc. metal work;
(22) 281 assemblies, furnishing and installing ring girder asemblies; (for changes in weight of assemblies ordered by the district, deduction from or addition to the bidder's price under Item 22);
(23) 316,600 lbs. furnishing and installing stiffeners, types "Sa" and "Sb" with field joints "A"; (Items 23A and 23B are alternate to Item 23);
(23A) 118,500 lbs. furnishing and installing stiffeners do with field joints "B";
(23B) 119,800 lbs. do. type "2Sa" with field joint "B";
(24) 19 expansion joints, furnishing & installing expansion joints;
(25) 4 manholes, furnishing and installing;
(26) 4 blowoff connections, furnishing and installing;
(27A) 15,273 lin. ft. furnishing and installing ⅝-in. plate steel pipe;
(27B) to (31A) do not apply here;
(31B) 200 lin. ft. laying 18-in. drain pipe;
(32) 500 ton-miles hauling steel;
(33) 6800 ton-miles hauling cement;
(34) overhaul of concrete aggregates fixed at 10 cents ($0.10) per cu. yd. mi.

SCHEDULE 7

Construction of Cut-and-Cover Conduit and Appurtenant Works, between Stations 2834 plus 70 and 3109 plus 45. Length, 12,350 feet.

Note: A proposal under Schedule 7 will not be considered unless the bidder also submits a proposal under Schedule 7A.

(1) 275,000 cu. yds. excavation for conduit, common;
(2) 1000 cu. yds. do, rock;
(3) does not apply here;
(4aA) 2950 cu. yds. excav. for drain pipe, common;
(4B) 60 cu. yds. do, rock;
(5) 30 cu. yds. excav., for etructurss, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 170,000 cu. yds. backfill for conduit;
(9) 210 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 52,000 cu. yds. concrete in conduit;
(13) 440 cu. yds. concrete in structures reinforced;
(14) to (16) do not apply here;
(17) 40,000 lbs. placing reinf. steel in conduit;
(18) 50,000 lbs. do in structures;
(19) 45,000 lbs. placing metal for construction joints;
(20) 90,000 lbs. do for dummy joints;
(21A) 600 lbs. installing gates;
(21B) 3800 lbs. installing misc. metal work;
(22) to (31A) do not apply here;
(31B) 1000 lin. ft. laying 18-in. drain pipe;
(32) 950 ton-miles hauling steel;
(33) 112,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates fixed at 10 cents ($0.10) per cu. yd. mi.

SCHEDULE 7A

Construction of lined canal and appurtenant works between Stations 2834 plus 70 and 3109 plus 45; length 15,337 feet.

Note: A proposal under Schedule 7A will not be considered unless the bidder also submits a proposal under Schedule 7.

(1) 220 cu. yds. excavation for canal, common;
(2) 1000 cu. yds. do, rock;
(3A) 5000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 21,000 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) does not apply here;
(5) 520 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 100 cu. yds. compacted backfill for structures;
(10) 800 cu. yds. compacting embankments;
(11) 110 sq. yds. riprap;
(12) 22,200 cu. yds. concrete in canal lining;
(13) 180 cu. yds. concrete in structures reinforced;
(14) to (16) do not apply here;
(17) 2,400,000 lbs. placing reinf. steel in canal lining;
(18) 18,000 lbs. placing reinf. steel in structures;
(19) to (31) do not apply here;
(32) 9600 ton-miles hauling steel;
(33) 47,500 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mile).

SCHEDULE 8

Construction of lined canal and appurtenant works, between Stations 3109 plus 45 and 3603 plus 15. Length 41,569 feet.

Note: A proposal under Schedule 8

will not be considered unless the bidder also submits proposals on Schedules 8A and 8B or on

8A and 8P

(1) 630,000 cu. yds. excavation for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 195,000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 60,000 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) does not apply here;
(5) 420 cu. yds. excav. for structures, earth;
(6) 30 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 300 cu. yds. compacted backfill for structures;
(10) 1600 cu. yds. compacting embankments;
(11) 6600 sq. yds. riprap;
(12) 60,100 cu. yds. concrete in canal lining;
(13) 450 cu. yds. concrete in structures reinforced;
(14) to (16) do not apply here;
(17) 6,475,000 lbs. placing reinf. steel in canal lining;
(18) 45,000 lbs. do. in structures;
(19) to (31) do not apply here;
(32) 50,000 ton-miles hauling steel;
(33) 249,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mile).

SCHEDULE 8A

Construction of 13 monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works, between Stations 3109 plus 45 and 3603 plus 15. Total length, 4930 ft.

Note: Sched. 8A will not be awarded separately from Schedule 8.

(1) 126,000 cu. yds. excavaton for siphon, common;
(2) 600 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 200 cu. yds. excav. for structures, common;
(6) 20 cu. yds. do, rock;
(7) does not apply here;
(8) 44,000 cu. yds. backfill for siphons
(9) 3600 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 2340 sq. yds. riprap;
(12) 14,500 cu. yds. concrete in siphons
(13) 2940 cu. yds. concrete in structures, reinforced;
(14) to (16) do not apply here;
(17) 2,900,000 lbs. placing reinf. steel in siphons;
(18) 280,000 lbs. do, in structures;
(19) to (21A) do not apply here;
(21B) 11,000 lbs. installlng misc. metal work;
(22) to (31) do not apply here;
(32) 24,400 ton-miles hauling steel;
(33) 71,500 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mile).

SCHEDULE 8B

Construction of three circular monolithic siphons and appurtenant works, between Stations 3109 plus 45 and 3603 plus 15. Siphon diameter 12 feet 9 in. Total length 3080 ft.

Note: Sched. 8B will not be awarded separately from Schedule 8.

(1) 50,200 cu. yds. excav. for siphons, common;
(2) 200 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 29,200 cu. yds. backfill for siphons
(9) 1800 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 660 sq. yds. riprap;
(12) 5040 cu. yds. concrete in siphons;
(13) 1830 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 650,000 lbs. placing reinf. steel in siphons;
(18) 300,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 7,400 ton-miles hauling steel;
(33) 28,300 ton-miles hauling cement;
(34) fixed at 10c per cu. yd.-mile overhaul of concrete aggregates.

SCHEDULE 8P

Construction of three precast concrete siphons and appurtenant works, between Stations 3109 plus 45 and 3603 plus 15. Siphon diameter 12 ft. 4 in.; total length 3080 feet.

Note: Schedules 8P and 8B are alternative.

(1) 45,200 cu. yds. excav. for siphons, common;
(2) 190 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 25,200 cu. yds. backfill for siphons
(9) 1,800 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 660 sq. yds. riprap;
(12) does not apply here;
(13) 1,830 cu. yds. concrete in struc., reinforced;
(14) 1,100 cu. yds. do, plain;
(15) does not apply here;
(16) 2,501 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 297,000 lbs. placing reinf. steel in structures;
(19) to (21A) does not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 695,000 lbs. furnishing and placing reinforcing steel in cages;
(29) to (31) do not apply here;
(32) 2,250 ton-mile hauling steel;
(33) 29,700 ton-mile hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mile).

SCHEDULE 9

Construction of lined canal and appurtenant works between Stations 4035 plus 00 and 4509 plus 75; length 41,114 feet.

A proposal under Schedule 9 will not be considered unless the bidder also submits proposals on Schedule 9A, 9B and either 9C or 9P.

(1) 714,000 cu. yds. excavation for canal, common;
(2) 77,000 cu. yds. do, rock;
(3A) 172,000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 26,500 cu. yds. excava. for parallel drains and borrow, unclass.
(4) does not apply here;
(5) 650 cu. yds. excavation for struc., common;
(6) 75 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 360 cu. yds. compacted backfill for structures;
(10) 750 cu. ys. compacting embankments;
(11) 700 sq. yds. riprap;
(12) 58,400 cu. yds. concrete in canal lining;
(13) 270 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 6,384,000 lbs. placing reinf. steel in canal lining;
(18) 27,000 lbs. placing reinforcement steel in structures;
(19) to (21A) do not apply here;
(21B) 700 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 850 lin. ft. laying 8-inch drain pipe;
(32) 77,000 ton-miles hauling steel;
(33) 330,000 ton-mile hauling cement;
(34) fixed at ten cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 9A

Construction of cut-and-cover conduit and appurtenant works, between Stations 4035 plus 00 and 4509 plus 75; length 3325 ft.

Note: Sched. 9A will not be awarded separately from Schedule 9.

(1) 209,000 cu. yds. excavation for conduit, common;
(2) 200 cu. yds. do, rock;
(3) does not apply here;
(4A) 4000 cu. yds. excavation for drain pipe, common;
(4B) 300 cu. yds. do, rock;
(5) 200 cu. yds. excavation for struc., common;
(6) 15 cu. yds. do, rock;
(7) does not apply here;
(8) 67,000 cu. yds. backfill for conduit
(9) 200 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 13,750 cu. yds. concrete in conduit
(13) 185 cu. yds. concrete in structures reinforced;
(14) 70 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 25,000 lbs. placing reinf. steel in conduit;
(18) 24,000 lbs. do, in structures;
(19) 11,500 lbs. placing metal for construction joints;
(20) 23,100 do for dummy joints;
(21A) 600 lbs. installing gates;
(21B) 630 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 1350 lin. ft. laying 8-in. drain pipe;
(31B) 400 lin. ft. laying 18-in. do;
(32) 10,000 ton-mile hauling steel;
(33) 79,000 ton-mile hauling cement;
(34) fixed at ten cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 9B

Schedule of prices for the construction of seven monolithic siphons with 9-ft. 9-in. square barrels, together with appurtenant works, between Stations 4035 plus 00 and 4509 plus 75; total length 2620 feet.

Note: Sched. 9B will not be awarded separately from Schedule 9.

(1) 71,000 cu. yds. excavation for siphons, common;
(2) 300 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 120 cu. yds. excavation for struc., common;
(6) 15 cu. yds. do, rock;
(7) does not apply here;
(8) 23,000 cu. yds. backfill for siphons
(9) 1,320 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1,400 sq. yds. riprap;
(12) 7,650 cu. yds. concrete in siphons
(13) 1,570 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 1,555,000 lbs. placing reinf. steel in siphons;
(18) 151,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 7,300 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 21,000 ton-mile hauling steel;
(33) 52,000 ton-mile hauling cement;
(34) fixed at ten cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 9C

Schedule of prices for the construction of one circular monolitic siphon and appurtenant works, between Stations 4035 plus 00 and 4509 plus 75. Siphon diameter 12 feet 9 inches; total length 340 feet.

Note: Sched. 9C will not be awarded separately from Schedule 9. Schedules 9C and 9P are alternative.

(1) 6,000 cu. yds. excavation for siphon, common;
(2) 2,100 cu. yds. do, rock;
(3) and (4) do not apply here;

(5) 40 cu. yds. excavation for struc., common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 1,600 cu. yds. backfill for siphon;
(9) 450 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) 305 cu. yds. concrete in siphon;
(13) 590 cu. yds. concrete in struc., reinforced;
(14) 6 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 44,500 lbs. placing reinforced steel in siphons;
(18) 79,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 3,550 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 1,500 ton-mile hauling steel;
(33) 5,000 ton-mile hauling cement;
(34) fixed at ten cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 9P

Schedule of prices for the construction of one precast concrete siphon and appurtenant works, between Stations 4035 plus 00 and 4507 plus 75. Siphon diameter 12 ft. 4 in., total length 340 feet.

Note: Schedules 9P and 9C are alternative.

(1) 5,500 cu. yds. excavation for siphon, common;
(2) 1,900 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excavation for struc., common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 1,280 cu. yds. backfill for siphon;
(9) 450 cu. yds. compacting backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) does not apply here;
(13) 590 cu. yds. concrete in struc., reinforced;
(14) 75 cu. yds. do, plain;
(15) does not apply here;
(16) 151 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 79,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 3,550 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 46,500 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 990 ton-mile hauling steel;
(33) 5,000 ton-mile hauling cement;
(34) fixed at ten cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 10

Schedule of prices for the construction of lined canal and appurtenant works, between Stations 4509 plus 75 and 4953 plus 10; length 39,615 feet.

Note: A proposal under Schedule 10 will not be considered unless the bidder also submits proposals on Schedules 10A and either 10B or 10P.

(1) 785,000 cu. yds. excav., for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 375,000 cu. yds. excav., for diagonal drains and wasteways, unclassified;
(3B) 8,200 cu. yds. excavation for parallel drains and borrow, unclass.
(4) does not apply here;
(5) 180 cu. yds. excav., for structures common;
(6) to (8) do not apply here;
(9) 700 cu. yds. compacted backfill for structures;
(10) 700 cu. yds. compacted embankments;
(11) 10,800 sq. yds. riprap;
(12) 56,910 cu. yds. concrete in canal lining;
(13) 370 cu. yds. concrete in structure, reinforced;
(14) to (16) do not apply here;
(17) 6,126,000 lbs. placing reinf. steel in canal lining;
(18) 40,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 135 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 88,000 ton-mile hauling steel;
(33) 432,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 10A

Construction of ten monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works between Stations 4509 plus 75 and 4953 plus 40; total length 3,750 feet.

Note: Sched. 10A will not be awarded separately from Schedule 10.

(1) 100,000 cu. yds. excavation for siphons, common;
(2) 500 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 160 cu. yds. excavation for struc., common;
(6) 20 cu. yds. do, rock;
(7) does not apply here;
(8) 32,500 cu. yds. backfill for siphons
(9) 1,900 cu. yds. compacted backfill for structures;
(14) does not apply here;
(11) 2,000 sq. yds. riprap;
(12) 10,820 sq. yds. concrete in siphons
(13) 2,240 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 2,122,000 lbs. placing reif. steel in siphons;
(18) 215,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 10,500 lbs. installing miscl. metal work;
(22) to (31) do not apply here;
(32) 36,000 ton-mile hauling steel;
(33) 98,000 ton-mile hauling cement;
(34) fixed at 10 cents ($0.10) per cu. yd.-mi. overhaul of concrete aggregates.

SCHEDULE 10B

Construction of one circular monolithic siphon and appurtenant works, between Stations 4509 plus 75 and 4953 plus 40; siphon diameter 12 ft. 9 in.; total length 1140 ft.

Note: Sched. 10B will not be awarded separately from Sched. 10. Schedules 10B and 10P are alternative.

(1) 27,000 cu. yds. excavation for siphon, common;
(2) 150 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 10,000 cu. yds. backfill for siphon;
(9) 850 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) 1910 cu. yds. concrete in siphon;
(13) 615 cu. yds. concrete in structures reinforced;
(14) 6 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 230,000 lbs. placing reinf. steel in siphon;
(18) 79,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 3300 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 4800 ton-miles hauling steel;
(33) 19,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mile).

SCHEDULE 10P

Construction of one precast concrete siphon and appurtenant works, between Stations 4509 plus 75 and 4953 plus 40; siphon diameter 12 ft. 4 -in.; total length 1140 ft.

Note: Schedules 10P and 10B are alternative.

(1) 25,000 cu. yds. excavation for siphon, common;
(2) 140 cu. yds. excav. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 8000 cu. yds. backfill for siphon;
(9) 850 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) does not apply here;
(13) 615 cu. yds. concrete in struc., reinforced;
(14) 420 cu. yds. do, plain;
(15) does not apply here;
(16) 950 lin. ft. precast concrete pipe in siphon;
(17) does not apply here;
(18) 79,000 lbs. placing reinforced steel in structures;
(19) to (21A) do not apply here;
(21B) 3800 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 261,500 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 1300 ton-miles hauling steel;
(33) 19,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 11

Construction of lined canal and appurtenant works, bet. Stations 5135 plus 97 & 5584 plus 25; length 34,045 ft.

Note: A proposal under Schedule 11 will not be considered unless the bidder submits proposals on Schedules 11A, 11B, and either 11C or 11P.

(1) 675,000 cu. yds. excavation for canal, common;
(2) 2,000 cu. yds. do, rock;
(3A) 160,000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 13,550 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) does not apply here;
(5) 200 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) and (8) do not apply here;
(9) 500 cu. yds. compacted backfill for structures;
(10) 650 cu. yds. compacting embankments;
(11) 7200 sq. yds. riprap;
(12) 49,050 cu. yds. concrete in canal lining;
(13) 190 cu. yds. do in struc., reinf.;
(14) to (16) do not apply here;
(17) 5,287,000 lbs. placing reinf. steel in canal lining;
(18) 18,400 lbs. placing reinf. steel in structures;
(19) to (31) do not apply here;
(32) 125,000 ton-mile hauling steel;
(33) 618,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 11A

Construction of cut-and-cover conduit and appurtenant works, between Stations 5135 plus 97 and 5584 plus 25; length, 3,187 feet.

Note: Sched. 11A will not be awarded separately from Schedule 11.

(1) 161,000 cu. yds. excav. for conduit, common;
(2) 200 cu. yds. do. rock;
(3) does not apply here;
(4A) 4000 cu. yds. excav. for drain pipe, common;
(4B) 200 cu. yds. excav. for drain pipe rock;
(5) 150 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 64,000 cu. yds. backfill for conduit;

(9) 180 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 13,160 cu. yds. concrete in conduit;
(13) 185 cu. yds. concrete in structures reinforced;
(14) 70 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 25,000 lbs. placing reinf. steel in conduit;
(18) 24,000 lbs. do. in structures;
(19) 11,000 lbs. placing metal for construction joints;
(20) 22,300 lbs. do for dummy joints;
(21A) 600 lbs. installing gates, hoists, and operating mechanisms;
(21B) 630 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 1350 lin. ft. laying 8-in. drain pipe;
(31B) 800 lin. ft. laying 18-in. do;
(32) 2100 ton-mile hauling steel;
(33) 168,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 11B

Construction of nine monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works, between Stations 5135 plus 97 and 5584 plus 25; total length, 3835 feet.

Note: Sched. 11B will not be awarded saparately from Schedule 11.

(1) 108,000 cu. yds. excavation for siphons, common;
(2) 500 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 150 cu. yds. excavation in struc., common;
(6) 20 cu. yds. do, rock;
(7) does not apply here;
(8) 35,500 cu. yds. backfill for siphons
(9) 1700 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1600 sq. yds. riprap;
(12) 11,450 cu. yds. concrete in siphons
(13) 1900 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 2,284,000 lbs. placing reinf. steel in siphons;
(18) 183,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 8800 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 62,000 ton-mile hauling steel;
(33) 168,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 11C

Construction of one circular monolithic siphon and appurtenant works, between Stations 5135 plus 97 and 5584 plus 25. Siphon diameter 12 ft. 9 in.; total length 3,440 feet.

Note: Sched. 11C will not be awarded separately from Schedule 11. Sched. 11C and 11P are alternative.

(1) 77,000 cu. yds. excavation for siphon, common;
(2) 150 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 60 cu. yds. excavation for struc., common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 34,000 cu. yds. backfill for siphon;
(9) 900 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) 6840 cu. yds. concrete in siphons;
(13) 620 cu. yds. concrete in struc., reinforced;
(14) 12 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 1,062,000 lbs. placing reinf. steel in siphon;
(18) 79,700 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 8250 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 29,000 ton-mile hauling steel;
(33) 94,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 11P

Schedule of prices for the construction of one precast concrete siphon and appurtenant works, between Stations 5135 plus 97 and 5584 plus 25. Siphon diameter 12 feet 4 inches; total length 3,440 feet.

Note: Schedules 11P and 11C are alternative.

(1) 69,000 cu. yds. excavation for siphon, common;
(2) 140 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 55 cu. yds. excav., for structure, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 27,000 cu. yds. backfill for siphon
(9) 900 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 200 sq. yds. riprap;
(12) does not apply here;
(13) 620 cu. yds. concrete in structure, reinforced;
(14) 1420 cu. yds. do, plain;
(15) does not apply here;
(16) 3251 lin. ft. precast concrete pipe in siphon;
(17) does not apply here;
(18) 79,700 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 8250 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 1,019,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 2100 ton-mile hauling steel;
(33) 89,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c per cu. yd.-mile.

SCHEDULE 12

Construction of cut-and-cover conduit and appurtenant works, between Stations 5584 plus 25 and 6022 plus 56; length 31,707 feet.

Note: A proposal under Schedule 12 will not be considered unless the bidder also submits proposals on Schedules 12A, 12P or 12S.

(1) 1,180,000 cu. yds. excav. for conduit, common;
(2) 131,000 cu. yds. do, rock;
(3) does not apply here;
(4A) 4800 cu. yds. excav. for drain pipe common;
(4B) 500 cu. yds. do, rock;
(5) 20 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, for rock;
(7) does not apply here;
(8) 655,000 cu. yds. backfill for conduit;
(9) 180 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 133,000 cu. yds. concrete in conduit;
(13) 240 cu. yds. concrete in struc., reinforced;
(14) 205 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 196,000 lbs. placing reinf. steel in conduit;
(18) 32,500 lbs. placing reinf. steel in structures;
(19) 113,200 lbs. placing metal for construction joints;
(20) 228,500 lbs. do for dummy joints;
(21A) does not apply here;
(21B) 8550 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 600 lin. ft. laying 8-in. drain pipe;
(32) 13,000 ton-mile hauling steel;
(33) 1,810,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c. per cu. yd.-mile.

SCHEDULE 12A

Construction of two circular monolithic siphons and appurtenant works, between Stations 5584 plus 25 and 6022 plus 56. Siphon diameter 12 ft. 4 in.; total length 1739 feet.

Note: Sched. 12A will not be awarded sapartely from Schedule 12. Sched. 12A, 12S and 12P are alternative.

(1) 2,000 cu. yds. excav. for siphons, common;
(2) 24,200 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 25 cu. yds. excav. for structures, common;
(6) 50 cu. yds. do, rock;
(7) does not apply here;
(8) 100 cu. yds. backfill for siphons;
(9) to (11) do not apply here;
(12) 3380 cu. yds. concrete in siphons;
(13) 655 cu. yds. concrete in structures reinforced;
(14) 17 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 976,500 lbs. placing reinf. steel in siphons;
(18) 82,000 lbs. do, in structures;
(19) to (21A) do not apply here;
(21B) 20,300 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 27,000 ton-mile hauling steel;
(33) 52,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c. per cu. yd.-mile.

SCHEDULE 12P

Construction of two precast concrete siphons and appurtenant works, between Stations 5584 plus 25 and 6022 plus 56. Siphon diameter 12 ft. 0 in. Total length 1739 feet.

Note: Schedules 12P, 12A and 12S are alternative.

(1) 2,000 cu. yds. excav. for siphons, common;
(2) 22,500 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 25 cu. yds. excav. for structures, common;
(6) 50 cu. yds. do, rock;
(7) does not apply here;
(8) 100 cu. yds. backfill for siphons;
(9) to (12) do not apply here;
(13) 655 cu. yds. conrete in structures, reinforced;
(14) 735 cu. yds. do, plain;
(15) does not apply here;
(16) 1657 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 82,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 20,300 lbs. installing misc. metal work;
(22) to(27) do not apply here;
(28) 527,500 lbs. furnishing and placing reinf. steel in cages;
(29) 780 lin. ft. furnishing and placing steel cylinder reinforcement;
(30) and (31) do not apply here;
(32) 2,500 ton-mile hauling steel;
(33) 51,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c. per cu. yd.-mile.

SCHEDULE 12S

Construtcion of one welded steel siphon, length 1439 ft., and one monolithic concrete siphon, length 300 ft., and appurtenant works, between Stations 5584 plus 25 and 6022 plus 56. Siphon diameter 12 ft. 8 in.

Note: Schedules 12S, 12P and 12A are alternative.

(1) 300 cu. yds. excav. for siphons, common;
(2) 3900 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 100 cu. yds. excav. for structures, common;
(6) 600 cu. yds. do, rock;
(7) does not apply here;
(8) 100 cu. yds. backfill for siphons;
(9) to (11) do not apply here;
(12) 110 cu. yds. concrete in siphons;
(13) 215 cu. yds. concrete in struc., reinforced;

(14) 350 cu. yds. do, plain;
(15) 1180 cu. yds. concrete in anchors, reinforced;
(16) does not apply here;
(17) 20,000 lbs. placing reinf. steel in siphons;
(18) 50,000 lbs. placing reinf. steel in structures;
(19) to(21A) do not apply here;
(21B) 13,100 lbs. installing misc. metal work;
(22) 21 assemblies furnishing and installing ring-girded assemblies;
(23 31,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb", with field joints "A" (alternative to Items 23A and 23B);
(23A) 15,000 lbs. do. types "Sa" and "Sb" with field joints "B";
(23B) 9500 lbs. do, type "2Sa" with field joints "B";
(24) 5 expansion joints furnishing and installing expansion joints;
(25) does not apply here;
(26) 3 furnishing and installing blow-off and air valve connections;
(27A) 908 lin. ft. do ⅝-in. plate steel pipe;
(27B) 441 lin. ft. ½-in. do,
(28) to (31) do not apply here;
(32) 1800 ton-mile hauling reinf. steel;
(33) 23,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c. per cu. yd.-mile.
(35) for lump sum, constructing experimental section.

SCHEDULE 13

Construction of lined canal and appurtenant works between Stations 6288 plus 70 and 5984 plus 55*; length 29,195 feet.

Note: A proposal under Schedule 12 will not be considered unless the bidder also submits proposals on Schedules 13A and 13B.
(1) 632,000 cu. yds. excav. for canal, common;
(2) 2,000 cu. yds. do, rock,
(3A) 130,000 cu. yds. excav. for diagonal drains and wasteways, unclassified;
(3B) 3000 cu. yds. excav. for parallel drains and borrow, unclass.;
(4) to (9) do not apply here;
(10) 550 cu. yds. compacting embankments;
(11) 5800 sq. yds. riprap;
(12) 42,060 cu. yds. concrete in canal lining;
(13) to (16) do not apply here;
(17) 4,526,000 lbs. placing reinf. steel in canal lining;
(18) to (31) do not apply here;
(32) 80,000 ton-mile hauling steel;
(33) 394,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates fixed at 10c. per cu. yd.-mile.
*Intervening equation Station 6306 plus 85 equals 5670 plus 00.

SCHEDULE 13A

Construction of cut-and-cover conduit and appurtenant works, between Stations 6288 plus 70 and 5984 plus 55*; length 1005 feet.

Note: Sched. 13A will not be awarded separately from Schedule 13.
(1) 40,000 cu. yds. excavation for conduit, common;
(2) 100 cu. yds. do, rock;
(3) does not apply here;
(4A) 4400 cu. yds. excav. for drain pipe common;
(4B) 450 cu. yds. do, rock;
(5) to (7) do not apply here;
(8) 19,000 cu. yds. backfill for conduit
(9) 180 cu. yds. compacted backfill for structures;
(10) and (11) do not apply here;
(12) 3850 cu. yds. concrete in conduit,
(13) 180 cu. yds. do, in structures, reinforced;
(14) 70 cu. yds. do. plain;
(15) and (16) do not apply here;
(17) 25,000 lbs. placing reinf. steel in conduit;
(18) 23,000 lbs. do in structures;
(19) 3250 lbs. placing metal for construction joints;
(20) 6500 lbs. placing metal for dummy joints;
(21A) 600 lbs. installing gates;
(21B) 100 lbs. installing misc. metal work;
(22) to (30) do not apply here;
(31A) 450 lin. ft. laying 8-in. drain pipe;
(31B) 800 lin. ft. laying 18-in. do;
(32) 1000 ton-miles hauling steel;
(33) 38,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).
*Intervening equation Station 6306 plus 85 equals 5670 plus 00.

SCHEDULE 13B

Construction of seven monolithic siphons with 9 ft. 9 in. square barrels, together with appurtenant works, between Stations 6288 plus 70 and 5984 plus 55*; total length 3070 ft.

Note: Sched. 13B will not be awarded separately from Schedule 13.
(1) 85,000 cu. yds. excav., for siphons, common;
(2) 500 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 115 cu. yds. excav. for structures, common;
(6) 15 cu. yds. do, rock;
(7) does not apply here;
(8) 28,500 cu. yds. backfill for siphons
(9) 1300 cu. yds. compacted backfill for structures;
(10) does not apply here;
(11) 1400 sq. yds. riprap;
(12) 9380 cu. yds. concrete in siphons;
(13) 1570 cu. yds. concrete in struc., reinforced;
(14) to (16) do not apply here;
(17) 1,831,500 lbs. placing reinf. steel in siphons;
(18) 150,500 lbs. do in structures;
(19) to(21A) do not apply here;
(21B) 7300 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 62,000 ton-miles hauling steel;
(33) 103,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).
*Intervening equation Station 6306 plus 85 equals 5670 plus 00.

SCHEDULE 14

Construction of cut-and-cover conduit and appurtenant works, between Stations 6058 plus 65 and 6437 plus 75; length 30,216 ft.

Note: A proposal under Schedule 14 will not be considered unless the bidder also submits a proposal on Schedules 14A or 14P.
(1) 881,500 cu. yds. excav. for conduit, common;
(2) 27,300 cu. yds. do, rock;
(3) does not apply here;
(4A) 4000 cu. yds. excav. for drain pipe common;
(4B) 800 cu. yds. do, rock;
(5) to (7) do not apply here;
(8) 631,000 cu. yds. backfill for conduit;
(9) to (11) do not apply here;
(12) 128,850 cu. yds. concrete in conduit;
(13) 60 cu. yds. concrete in structures, reinforced;
(14) 205 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 50,000 lbs. placing reinf. steel in conduit;
(18) 8800 lbs. placing reinf. steel in structures;
(19) 108,000 lbs. placing metal for construction joints;
(20) 218,000 lbs. placing metal for dummy joints;
(21A) does not apply here;
(21B) 7900 lbs. installing misc. metal work;
(22) to (31A) do not apply here;
(31B) 950 lin. ft. laying 8-in drain pipe
(32) 5300 ton-miles hauling steel;
(33) 900,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

SCHEDULE 14A

Construction of one circular monolithic siphon and appurtenant works, between Stations 6058 plus 65 and 6437 plus 75. Siphon diameter 12 ft. 4 in.; total length 2150 ft.

Note: Sched. 14A will not be awarded separately from Schedule 14. Sched. 14A and 14P are alternative.
(1) 32,700 cu. yds. excav. for siphon, common;
(2) 1000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 25 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 21,000 cu. yds. backfill for siphon;
(9) and (11) do not apply here;
(12) 3750 cu. yds. concrete in siphon;
(13) 430 cu. yds. concrete in structures reinforced;
(14) 10 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 531,000 lbs. placing reinf. steel in siphon;
(18) 54,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 9700 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 8800 ton-mile hauling steel;
(33) 29,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

SCHEDULE 14P

Construction of one precast concrete siphon and appurtenant works, between Stations 6058 plus 65 and 6437 plus 75. Siphon diameter 12 ft. 0 in.; total length 2150 ft.

Note: Schedules 14P and 14A are alterantive.
(1) 30,300 cu. yds. excav. for siphon, common;
(2) 930 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 25 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 17,500 cu. yds. backfill for siphon;
(9)to (12) do not apply here;
(13) 430 cu. yds. concrete in struc., reinforced;
(14) 870 cu. yds. do, rock;
(15) does not apply here;
(16) 2050 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 54,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 9700 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 545,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 900 ton-miles hauling steel;
(33) 31,000 ton-miles hauling cement,
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

SCHEDULE 15

Construction of cut-and-cover conduit and appurtenant works, between Stations 6437 plus 75 and 6797 plus 20; length 33,954 feet.

Note: A proposal under Schedule 15 will not be considered unless the bidder also submits proposals on Schedules 15A and 15B or on 15B and 15P.
(1) 1,075,000 cu. yds. excav. for conduit, common;
(2) 15,000 cu. yd. do, rock;
(3) to (7) do not apply here;
(8) 704,000 cu. yds. backfill for conduit;
(9) to (11) do not apply here;
(12) 145,050 cu. yds. concrete in conduit;

(13) 60 cu. yd. do in struc. reinf.;
(14) to (16) do not apply here;
(17) 150,000 lbs. placing reinf. steel in conduit;
(18) 9000 lbs. placing reinf. steel in structures;
(19) 121,200 lbs. placing metal for construction joints;
(20) 244,600 lbs. do for dummy joints;
(21A) does not apply here;
(21B) 7900 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 5300 ton-miles hauling steel;
(33) 775,000 ton-miles hauling cement;
(34) overhaul of concrete aggregate (fixed at 10c per cu. yd.-mile).

SCHEDULE 15B

Construction of two circular monolithic siphons and appurtenant works, between Station 6437 plus 75 and 6797 plus 20. Siphon diameter 26 ft. 0 in.; total length 495 ft.

Note: Sched. 15B will not be awarded separately from Schedule 15.
(1) 18,000 cu. yds. excav. for siphons, common;
(2) 4000 cu. yds. do. rock;
(3) and (4) do not apply here;
(5) 60 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 8,700 cu. yds. backfill for siphons;
(9) to (11) do not apply here;
(12) 830 cu. yds. concrete in siphons;
(13) 975 cu. yds. concrete in structures reinforced;
(14) 15 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 81,000 lbs. placing reinf. steel in siphons;
(18) 118,000 do in structures;
(19) to (21A) do not apply here;
(21B) 18,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 3000 ton-miles hauling steel;
(33) 11,400 ton-miles hauling cement;
(34) overhaul of concrete aggregate (fixed at 10c per cu. yd.-mile).

SCHEDULE 15A

Construction of two circular monolithic siphons and appurtenant works, between Stations 6437 plus 75 and 6797 plus 20. Siphon diameter 12 ft. 4 in.; total length 1400 ft.

Note: Sched. 15A will not be awarded separately from Sched. 15. Schedules 15A and 15P are alternative.
(1) 20,300 cu. yds. excav. for siphon, common;
(2) 6400 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 50 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 14,000 cu. yds. backfill for siphons
(9) to (11) do not apply here;
(12) 2170 cu. yds. concrete in siphons;
(13) 860 cu. yds. concrete in struc., reinforced;
(14) 15 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 307,000 lbs. placing reinf. steel in siphons;
(18) 108,000 lbs. placing do in struc.;
(19) to (21A) do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 4700 ton-miles hauling steel;
(33) 16,100 ton-miles hauling cement;
(34) overhaul of concrete aggregate (fixed at 10c per cu. yd.-mile).

SCHEDULE 15P

Construction of two precast concrete siphons and appurtenant works, between Stations 6437 plus 75 and 6797 plus 20. Siphon diameter 12 ft. 0 in.; total length 1400 ft.

Note: Schedules 15P and 15A are alternative.
(1) 19,000 cu. yds. excav. for siphons, common;
(2) 5900 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 50 cu. yds. excav. for structures, common;
(6) 10 cu. yds. do, rock;
(7) does not apply here;
(8) 11,500 cu. yds. backfill for siphons
(9) to (12) do not apply here;
(13) 860 cu. yds. concrete in struc., reinforced;
(14) 525 cu. yds. do. plain,
(15) does not apply here;
(16) 1209 lin. ft. precast concrete pipe in siphons;
(17) does not apply here;
(18) 108,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 336,500 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) do not apply here;
(32) 1300 ton-miles hauling steel;
(33) 17,000 ton-miles hauling cement;
(34) overhaul of concrete aggregate (fixed at 10c per cu. yd.-mile).

SCHEDULE 16

Construction of cut-and-cover conduit and appurtenant works, between Stations 7003 plus 68 and 7251 plus 90; length 17,066 ft.

Note: A proposal under Schedule 16 will not be considered unless the bidder also submits proposals on Schedules 16A and 16B or 16B and 16P.
(1) 496,000 cu. yds. excav. for conduit, common;
(2) 102,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 50 cu. yds. excav. for structures,
(6) and (7) do not apply here;
(8) 366,000 cu. yds. backfill for conduit
(9) to (11) do not apply here;
(12) 70,800 cu. yds. concrete in conduit
(13) 40 cu. yds. concrete in structures, reinforced;
(14) 480 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 50,000 lbs. placing reinf. steel in conduit;
(18) 5700 lbs. do in structures;
(19) 61,000 lbs. placing metal for construction joints;
(20) 123,000 lbs. do for dummy joints;
(21B) 5100 lbs. installing misc. metal work;
(22) to (31A) do not apply here;
(31B) 1070 lin. ft. laying 8-in. drain pipe;
(32) 2200 ton-miles hauling steel;
(33) 336,000 ton-miles hauling cement;
(34) overhaul of concrete aggregate (fixed at 10c per cu. yd.-mile).

SCHEDULE 16B

Construction of four circular monolithic siphons and appurtenant works, between Stations 7003 plus 68 and 7251 plus 90. Siphon diameter 16 ft. 0 in.; total length 1161 ft.

Note: Sched. 16B will not be awarded separately from Schedule 16.
(1) 7,000 cu. yds. excav. for siphons, common;
(2) 20,100 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 60 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 20,500 cu. yds. backfill for siphons
(9) to (11) do not apply here;
(12) 2225 cu. yds. concrete in siphons;
(13) 1905 cu. yds. concrete in struc., reinforced;
(14) 10 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 329,000 lbs. placing reinf. steel in siphons;
(18) 232,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 25,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 5100 ton-miles hauling steel;
(33) 20,000 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

SCHEDULE 16A

Construction of two circular monolithic siphons and appurtenant works, between Stations 7003 plus 68 and 7251 plus 90. Siphon diameter 12 ft. 4 in.; total length 1132 ft.

Note: Sched. 16A will not be awarded separately from Sched. 16. Schedules 16A and 16P are alternative.
(1) 28,000 cu. yds. excav. for siphons, common;
(2) 4,000 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 11,100 cu. yds. backfill for siphons
(9) to (11) do not apply here;
(12) 1,675 cu. yds. concrete in siphons;
(13) 860 cu. yds. concrete in struc., reinforced;
(14) 15 cu. yds. do, plain;
(15) and (16) do not apply here;
(17) 215,000 lbs. placing reinf. steel in siphons;
(18) 108,000 lbs. do in structures;
(19) to (21A) do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (31) do not apply here;
(32) 4,100 ton-miles hauling steel;
(33) 12,200 ton-miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

SCHEDULE 16P

Construction of two precast concrete siphons and appurtenant works, between Stations 7003 plus 68 and 7251 plus 90. Siphon diameter 12 ft. 0 in.; total length 1132 ft.

Note: Schedule 16P and 16A are alternative.
(1) 26,000 cu. yds. excav. for siphons, common;
(2) 3,600 cu. yds. do, rock;
(3) and (4) do not apply here;
(5) 40 cu. yds. excav. for structures, common;
(6) 5 cu. yds. do, rock;
(7) does not apply here;
(8) 9,200 cu. yds. backfill for siphons;
(9) to (12) do not apply here;
(13) 860 cu. yds. concrete in struc., reinforced;
(14) 405 cu. yds. do, plain;
(15) does not apply here;
(16) 936 lin. ft. precast concrete pipe in siphon;
(17) does not apply here;
(18) 108,000 lbs. placing reinf. steel in structures;
(19) to (21A) do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (27) do not apply here;
(28) 240,000 lbs. furnishing and placing reinf. in steel cages;
(29) to (31) do not apply here;
(32) 1200 ton-miles hauling steel;
(33) 12,000 ton-miles hauling cementt;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd.-mile).

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN JUAN CAPISTRANO, Calif.—Until Sept. 18, 7:30 P. M., bids will be received by the San Juan Capistrano Sanitary District, San Juan Capistrano for rebuilding a septic tank and the construction of a secondary clarifier, a trickling filter and 300 ft. of outfall sewer. Plans and specifications may be obtained from the Currie Engr. Co., Andreson Block Bldg., San Bernardino, upon deposit of $10, to be returned to contractors submitting bids.

The work involves:
(1) 130 c.y. excavation;
(2) 3,000 lbs. 60 c.y. concrete;
(3) 2,500 lbs. 39 c.y. concrete;

(4) 1,500 lbs. 20 c.y. concrete;
(5) 3.24 tons reinforcing steel;
(6) 1,311 sq. ft. cement finishing;
(7) 20 c.y. filter sand;
(8) 30 c.y. sludge sand;
(9) 3 c.y. pea gravel;
(10) 732 c.y. filter stone.

MILLWORK

(1) 3 3x3-ft. steel casements;
(2) 2 3x6-ft. 8-in. steel doors;

MISCELLANEOUS IRON

(1) 3 3x3-ft. water seal complete with valve and fittings;
(2) 55 ft. 9x3x¼-in. angle iron wier;
(3) 2 gas collectors complete with valves;
(4) 1 30-in. sidewalk frame and cover set;
(5) 1 32-in. manhole frame and cover set;
(6) 141 ft. galv. pipe lining;
(7) 1 10-in. Calco flood gate;
(8) 2 18-in. square manhole frame & cover sets;

CAST IRON PIPE

(1) 20 ft. 8-in. bell and spigot;
(2) 1 90 degree ell;
(3) 2 gate valves;

4-in. BELL & SPIGOT

(1) 2 4x6-in. 90 degree ells;
(2) 3 4-in. tees;
(3) 8 45 degree ells;
(4) 10 90 degree ells;
(5) 342 ft. pipe;
(6) 6 4-in. gate valves;

FLANGED PIPE

(1) 6 4-in. 90 degree ells;
(2) 1 4-in. side outlet cross;
(3) 2 4x4-in. tees;
(4) 2 4x4-in. crosses;
(5) 1 4-in. safety release valve;
(6) 1 4-in. 45 degree ell;
(7) 4 ft. of 4-in. cast iron pipe;
(8) 8 4-in. gate valves;
(9) 1 4-in. angle valves;
(10) 2 4-in. check valves;
(11) 1 4-in. side outlet tee;

VIT. PIPE AND FITTINGS

(1) 5 ft. 4-in. pipe;
(2) 2 4-in. 90 degree ells;
(3) 110 ft. 6-in. vit. drain tile;
(4) 90 ft. 8-in. vit. pipe;
(5) 1 8-in. on 10-in. tee;
(6) 400 ft. 10-in. vit. pipe;
(7) 1,890 ft. 4-in. underdrain;

GALV. PIPE AND FITTINGS

(1) 30 ft. 2½-in. chlorine conduit;
(2) 140 ft. 1-in. pipe;
(3) 50 ft. 2-in. pipe;
(4) 30 ft. ¾-in. pipe;
(5) 3 ¾-in. hose bibbs;
(6) 3 24-in. lengths ¾-in. hose;

PLUMBING

(1) 1 lavatory;

OPERATING EQUIPMENT

(1) 6x26-ft. rectangular clarifier;
(2) 1 17-ft. dia. by 6-ft. circular radial flow secondary purifier;
(3) 1 60-in. dia. circular sewage distributor;
(4) 1 100-lb. Wallace & Tiernan vacuum feed chlorinator;
(5) 1 500-lb. scale;
(6) 2 vertical wet well sewage pumps;
(7) 1 plunger sludge pump;
(8) 1 switchboard complete;
(9) 4 lighting outlets;
(10) 3 power outlets;
(11) 1 bronze nameplate;
(12) 1 water system pump.

BIDS OPENED

HALF MOON BAY, San Mateo Co., Cal.—W. J. Tobin, 3701 Balbour Ave., Oakland, at slightly less than $40,500 submitted the only bid received by the Secretary of the Sanitary Board of Half Moon Bay Sanitary District for the construction of a sanitary sewer system at Half Moon Bay under the 1931 improvement act.

The bid was held under advisement until September 14.

George A. Kneese, Redwood City, District Engineer. •

CONTEMPLATED

PHOENIX, Arizona — The call for bids for the construction of the proposed sanitary sewer system has been delayed pending a decision by the city council as to the purchase of material for the sewers. City Engineer W. C. Lefebvre advocates that the city purchase the pipe and has prepared a resolution calling for bids three ways, as follows:

(1) Contractor bidding on labor; (2) contractor to supply the pipe; (3) contractor furnishing both labor and materials. The work will involve:

(1) 22,190 ft. 8-in. concrete pipe;
(2) 5388 ft. 10-in. do;
(3) 4539 ft. 12-in. do;
(4) 4487 ft. 15-in. do;
(5) 5616 ft. 18-in. do;
(6) 4028 ft. 21-in. do;
(7) 1377 ft. 24-in. do;
(8) 3165 ft. 27-in. do;
(9) 1193 ft. 30-in. do;
(10) 2448 ft. 33-in. do;
(11) 1026 ft. 36-in. do;
(12) 948 ft. 39-in. do;
(13) 349 ft. 48-in. do;
(14) 2095 ft. 51in. do;
(15) 5158 ft. 54-in. do;
(16) 840 ft. 60-in. do;

PREPARING PLANS

GRANTS PASS, Oregon — Baar & Cunningham, consulting engineers, Spalding Bldg., Portland, are preparing plans for the construction of a sewage disposal plant for Grants Pass, Oregon. The PWA has allotted $45,500 to aid in financing the project. Work will include settling tank, sludge digesting tank, control house and digesting beds, heating plant, pumps, and about 2000 ft. of pipe.

33— WATER WORKS

CONTRACTS AWARDED

CHEHALIS, Wash. — Queen City Const. Co., 603 18th St. S., Seattle, at $70,544 for distribution system, and Joe Colucio, 1425 Hanford St., Seattle, at $33,338 for gravity main, were awarded contracts by the Chehalis City Council for furnishing and laying about 3½ miles of 16-in. creosoted wood pipe in gravity supply main of Municipal water system, and about 53,500 ft. of cast iron pipe in distribution system, together with valves, fittings, hydrants, and other appurtenances.

BIDS OPENED

PHOENIX, Ariz.—Arizona Concrete Co., 1724 Grand Ave., Phoenix, at $97,-241.86 (bidding on De Lavaud pipe) submitted low bid to W. C. Lefebvre, City Manager, Phoenix, Sept. 6 for the construction of extensions to the city water system in the suburban section of the city.

O. F. Fisher, Phoenix, submitted the second low bid at $97,619.67, bidding on mono-cast pipe.

R. C. Tanner and W. E. Hall Co., Phoenix, were the third bidders at $103,088.57, bidding on mono-cast pipe.

Funds for the project will be furnished by the government under a PWA allocation of $250,000. A bond issue was voted last December to refinance the loan of $200,000.

BIDS WANTED

BRAWLEY, Cal.—Until September 18, 5 P. M. (to be opened at 7:30 P. M.), bids will be received by the Brawley City Council for furnishing all labor, material, transportation, and services for the construction of extensions to the water system located in and outside of the city of Brawley, a PWA project, in accordance with plans and specifications prepared by Koebig & Koebig, consulting engineers, 458 S. Spring St., Los Angeles, Room 821, from whom copies may be obtained upon deposit of $20, of which $10 will be returned.

Bids will be taken on proposals and items as follows:

PROPOSAL 1—Work complete.
PROPOSAL 2—Work complete, except elevated steel tank.
PROPOSAL 3—Tank only.

The bid items are:

(1) 1150 ft. 14-in. C. I. pipe, Class 150
(2) 3510 ft. 12-in. do;
(3) 1822 ft. 10-in. do;
(4) 18,740 ft. 8-in. do;
(5) 12,550 ft. 6-in. do;
(6) 19,225 ft. 4-in. do;
(7) 5460 ft. 16-in. vit. salt glazed clay pipe;
(8) 2 14-in. gate valves and boxes;
(9) 4 12-in. gate valves and boxes;
(-0) 3 10-in. gate valves and boxes;
(11) 31 8-in. gate valves and boxes;
(12) 24 6in. gate valves and boxes;
(13) 42 4-in. gate valves and boxes;
(14) 31 new hydrants;
(15) 20 old hydrants relocated;
(16) 4700 lbs. fittings;
(17) 1140 lin. ft. paving cut and replaced;
(18) 12 manholes;
(19) 250,000 gal. elevated steel tank and tower complete with cable and conduit connections to pumps.

CONTRACTS AWARDED

SAN FRANCISCO.—Rich Mfg. Co. at $144.88 each, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for furnishing, testing and delivering high pressure fire hydrants for the auxiliary water supply system for fire protection, and M. Greenberg & Sons, at 98c each, awarded contract for furnishing, machining and delivering nozzle caps. Bid No. 1233.

34 — PARKS AND PLAYGROUNDS

September 11, 1934

BIDS WANTED

NAPA, Cal.—Until September 26, 12 M., bids will be received by Jas. Gillies, Custodian, U. S. Post Office, Napa, for furnishing and installing a lawn sprinkler system at the U. S. Post Office, Napa

Specifications and drawings obtainable from above office.

September 12, 1934

BIDS WANTED

ROSEBURG, Oregon—Until October 9, 2:30 P. M., bids will be received by Veterans' Administration, Room 764, Arlington Bldg., Washington, D. C., for landscape planting at the Veterans Administration Facility, Roseburg, Oregon. Separate bids will be received for tree planting and shrubbery planting at theVeterans Administration Facility, Roseburg, Oregon.

Specifications may be obtained from above office. • 34

29—STREETS AND HIGHWAYS

BIDS OPENED

MILL VALLEY, Marin Co., Calif.—Vincent Maggiora, 15 Harrison Ave., Sausalito, at $3,276.93 submitted low bid to the Mill Valley Town Council September 5, for the construction of storm sewers and street widening and resurfacing.

Complete bids follow:

Vincent Maggiora, Sausalito	$3,276.93
Louis Lambretti, Mill Valley	3,636.83
Ransome Co., Emeryville	3,761.91
Pacific States Const. Co., S. F.	3,997.80
A. Soda & Son, Oakland	4,058.14

Bids held under advisement until September 12. •

BIDS WANTED

LEWIS COUNTY, Washington.—Until Sept. 25, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for the grading of about one mile of State

Road No. 5 (White Pass Branch) Cortright Creek East, U. S. P. W. Project NRH 211-A in Lewis County, involving about 20,000 c.y. of excavation and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00. 9

BIDS WANTED

PIERCE CO., Wash.—Until Sept. 24, 10 A. M., bids will be received by L. V. Murrow, Director of Highway, Olympia, for widening about 1.6 miles of State Road No. 5 with 10 ft. of Portland cement concrete pavement between S. 96th St. and S. 72nd St., in Tacoma, U.S.P.W. Project NRM 159-C (1935) in Pierce County. The work involves:

(1) 11,410 c.y. excavation;
(2) 8,898 sq. yds. and 50 c.y. pave.;
(3) 4,713 l.f. sewer pipe.
Other items.

Plans and specifications obtainable from the above office upon deposit of $2.00. 9

AWARD RECOMMENDED

GILA COUNTY, Ariz.—N. G. Hill & Co. and J. S. Boyer & Co., at $10,925 submitted low bid and recommended for award of contract by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing subgrade reinforcement on 6.039 miles of Section A of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County.

Pine-Payson Motor Co., at $11,320 submitted the only other bid.

Engineer's estimate, $10,200.

BIDS WANTED

MARIN COUNTY, Cal.—Until Oct. 3, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 0.3 mile in length slides to be removed in Marin County between Greenbrae and Alto. The work involves:

(1) 125,000 c.y. rdwy. excav., unclass.;
(2) 50,000 mi. yds. overhaul.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco and Los Angeles.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—Daley Corp., 4430 Boundary St., San Diego, at $23,415 awarded contract by the State Highway Commission, Sacramento, for grading and paving with asphalt concrete about 0.3 mile in the city of San Diego between Market St. and Broadway.

CONTRACT AWARDED

MONO COUNTY, Cal.—Hemstreet & Bell, 501 11th St., P. O. Box 550, Marysville, at $6,862 awarded contract by the State Highway Commission at Sacramento for grading and surfacing with selected material about 1.2 miles in Mono County between Whiskey Canyon and Yerby's.

CONTRACT AWARDED

RIVERSIDE COUNTY, Cal.—Mittry Bros. Const. Co., 5531 Downey Road, Los Angeles, at $360,809 awarded contract by the State Highway Commission, Sacramento, for about 6.8 miles of grading and surfacing with oil treated crushed gravel or stone in Riverside County between 1½ miles north of Moreno and 2½ miles west of Beaumont, in Riverside County.

CONTRACT AWARDED

BUTTE & Plumas Cos., Cal.—Hayward Building Material Co., Atherton and Jackson Sts., Hayward, at $3,864 awarded contract by the State Highway Commission, Sacramento, for 12 miles of fuel oil treatment in Butte and Plumas counties between West Branch and Jarboe Pass and between Belden and 1.75 miles east of Rich.

NEW BIDS ASKED

PLUMAS COUNTY, Cal.—Until September 21, 2 P. M., new bids will be received by Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 20, the Almanor National Forest Highway, Plumas National Forest, Plumas County.

All bids received for this work Aug. 9 have been rejected. Larsen Bros., 5200 21st Ave., Sacramento, submitted the previous low bid at $90,336.

The work involves:

(1) 29 acres clearing;
(2) 157,00 c.y. unclassified excav.;
(3) 1,000 cu. yds. do, structures;
(4) 200,000 sta. yds. overhaul;
(5) 16,000 cu. yds. mile overhaul;
(6) 380 lin. ft. perforated CMP in place;
(7) 2,446 lin. ft. CMP (asphalt dipped) in place;
(8) 1 each Type A spillway inlet;
(9) 79 cu. yds. concrete;
10) 800 lbs. reinforcing steel;
(11) 95 cu. yds. crushed rock or gravel for backfill;
(12) 72 each, right of way monuments
(13) 47 each culvert markers.

Plans and specifications obtainable from the above office upon deposit of $10.00. 9

BIDS WANTED

LINN COUNTY, Ore.—Until Sept. 19, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Santiam Highway Grading Project FHEC-2 3-H1, 1, National Forest Road Project, located within the Willamette National Forest, Linn County, Ore.

The length of the project is approximately: Grading 4.454 miles; Clearing, 1.388 miles (advance), and the work involves:

(1) 30 acres clearing;
(2) 29 acres grubbing;
(3) 108,800 cu. yds. unclass. excav.;
(4) 110,000 sta. yds. overhaul;
(5) 4.454 mi. finishing earth graded road;
(6) 100 each dangerous trees and snags;
(7) 31 acres roadside cleanup;
(8) 19,000 lin. ft. rounding of cut slopes;
(9) 130 cu. yds. cement rubble masonary headwall (alternate);
(10) 2130 lin. ft. culverts (alternate);
(11) 360 cu. yds. handlaid rock embankment;
(12) 200 lin. ft. 30" reinf. concrete pipe;
(13) 54 lin. ft. 60" CGMP (alternate);
(14) 280 lin. ft. 72" CGMP (8-gauge), (alternate);

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

SEBASTOPOL, Sonoma Co., Cal.—Until Sept. 21, 8 P. M., bids will be received by B. Best, Clerk, Analy Union High School District, for grading site for the proposed new high School Building in Sebastopol. Plans and specifications on file at the High School Office, Sebastopol.

BIDS OPENED

PIERCE COUNTY, Wash. — Babler Bros., 2407 NW. 28th Ave., Portland, at $78,450 submitted low bid to the Bureau of Public Roads, 316 New Post Office Bldg., Portland, for 15.515 miles of surfacing in the Mt. Rainier Nat'l. Park, White River Road, NR-3-A, B1, B2, B3, Bituminous Macadam, National Park Road Project located within the Mt. Rainier National Park, Pierce County, Washington. The other bids were:

Standard Asphalt Paving Co., Spokans, $82,625.
J. C. Compton, McMinnville, $86,455.
Northwest Roads Co., Portland, $86,480.
H. P. Dorsey, Bellingham, $90,875.

BIDS WANTED

PIERCE COUNTY, Washington—Until September 21, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, Dist. Engineer, for constructing or improving the Mt. Rainier National Park, East Side Highway Project PEC-5-D Clearing, National Park Road Project, located within the Mt. Rainier National Park, Pierce County, Washington. The length of the project is approximately 3.24 miles and involves 33 acres clearing.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

LINN COUNTY, Ore. — Until Sept. 26, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for the construction or improving the North Santiam Grading Project FHEC 24-E2, National Forest Road Project, located within the Willamette National Forest Linn County, Oregon.

The length of the project is approximately 2.903 miles, and involves:

(1) 5 acres clearing;
(2) 19 acres grubbing;
(3) 124,400 c.y. unclass. excav.;
(4) 65,000 sta. yds. overhaul;
(5) 2.903 miles finishing earth graded road;
(6) 40 each dangerous trees and snags
(7) 25 acres roadside cleanup;
(8) 20,000 l.f. rounding cut slopes;
(9) 3,000 c.y. mi. cushion haul;
(10) 430 l.f. 18-in. reinf. conc. pipe (alternate);
(11) 300 l.f. reinforced concrete pipe;
(12) 1,100 c.y. loose riprap;
(13) lump sum, old road obliteration.

Plans and specifications obtainable from the above office upon deposit of $10.00. 9

BIDS WANTED

ARIZONA STATE.—Until Sept. 25, 3 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for high way construction on the Globe-Showlow Highway NRH 99-G (1935) A.F.E. 6054. The work, which is located about 46 miles northeast of Globe and 3½ miles northeast of the new Salt River bridge, consists of the grading and draining of about 4 miles of roadway, and is to be completed on or before Dec. 31.

The work involves:

(1) 326,600 c.y. roadway excav.;
(2) 1,700 c.y. struc. do;
(3) 3,400 c.y. drainage do;
(4) 32,600 c.y. slides and overbreakage;
(5) 155,000 sta. yds. earthwork overhaul;
(6) 8,700 c.y. mi. earthwork haul;
(7) 204 c.y. Class A concrete;
(8) 12,500 lbs. reinf. steel;
(9) 225 l.f. 8-ft. x 6-in. tunnel;
(14) 994 l.f. 24-in. CMP;
(11) 202 l.f. 36-in. CMP;
(12) 706 l.f. 48-in. CMP;
(13) 12,530 l.f. cable road guard;
(14) (Alt.) 12,530 l.f. steel plate road guard and other incidental items.

Funds have been programmed for the construction of this project in the amount of $440,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the work, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto. T. S. O'Connell, State Highway Engineer. 9

BIDS WANTED

ARIZONA STATE.—Until Sept. 25, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Holbrook-Lupton Highway NRH 83-C (1935) AFE 6606, and NRH 83-G (1935) AFE 6635. The work, which begins approximately 14½ miles northeast of Holbrook and extends eartherly approximately 6½ miles, consists of placing base course and either 3-in. of cutback plant mix with seal coat or 2¼-in. of Laykold, constructing shoulders and stockpile aggregate, and is to be completed on or before Dec. 31.

The work involves:

(1) 99,812 sq. yds. reshaping road surface;
(2) 200 M. gals. sprinkling;
(3) 2,667 c.y. aggregate base course;
(4) 2,197 c.y. mi. aggregate do, haul;
(5) 2,483 c.y. shoulder material;
(6) 4,776 c.y. mi. do, haul;
(7) 9,785 tons local aggregate;
(8) 1,500 tons imported aggregate;
(9) 548 tons cutback asph. cement;
(10) 11,756 tons mix, haul and place plant mix;
(11) 558 c.y. screenings;
(12) 21,140 l.f. standard line fence;
(13) 170 c.y. stockpiled aggregate;

ALTERNATE

(1) 99,812 sq. yds. reshaping road surface;
(2) 200 M. gals. sprinkling;
(3) 2,667 c.y. aggregate base course;
(4) 2,197 c.y. mi. do haul;
(5) 1,901 c.y. shoulder material;
(6) 3,660 c.y. mi. do, haul;
(7) 7,340 tons local aggregate;
(8) 1,126 tons imported borrow;
(9) 424 tons bituminous binder;
(10) 8,887 tons mix, haul and place Laykold;
(11) 21,140 l.f. standard line fence;
(12) 170 c.y. stockpiled aggregate.

Funds have been programmed for the construction of this project in the amount of $59,200. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the work, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto. T. S. O'Connell, State Highway Engineer.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until Sept. 24, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the improvement of Brokaw Road in Supervisor District No. 4. The work involves 119,375 sq. ft. asphalt concrete pavement.

Specifications obtainable from County Surveyor Robert Chandler at a charge of $1.00.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until Sept. 24, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Henry A. Pfister, Clerk, County Courthouse, San Jose, for the improvement of Maude Ave. from Mountain View to Alviso Road to California Ave. in Supervisor District No. 5. The work involves 136,200 sq. ft. oil macadam surfacing.

Specifications obtainable from County Surveyor Robert Chandler at a charge of $1.00.

BIDS WANTED

SONOMA COUNTY, Cal. — Until September 24, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211 State Bldg., San Francisco, for about 39.4 miles of existing roadbed to be treated with fuel oil in Sonoma County, between Jenner and Mendocino County Line. The work requires 1850 bbls. heavy fuel oil.

Plans and specifications obtainable from above office.

BIDS WANTED

COCONINO COUNTY, Ariz. — Until October 2, 10 A. M., bids will be received by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for grading Section E of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino County.

The work involves:

(1) 20,200 c.y. unclass. excav.;
(2) 25,000 c.y. do for borrow;
(3) 510 c.y. do for structures;
(4) 1,000 sta. yds. overhaul;
(5) 8,700 c.y. mi. borrow haul;
(6) 3,164 miles finishing earth graded road;
(7) 936 l.f. CMP;
(8) 217 c.y. masonry;
(9) 115 c.y. concrete;
(10) 24,000 lbs. reinforcing steel;
(11) 390 lbs. bronze bearing plates;
(12) 99 l.f. steel hand rail.

Plans and specifications obtainable from the above office and from the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, upon deposit of $10.00.

BIDS OPENED

MADERA COUNTY, Cal.—Identical bids at $0.80 per barrel, for furnishing 55,000 gallons liquid asphaltic road material Type SC-2 for use on Section A of Route 74, the North Fork National Forest Highway, Sierra National Forest, Madera County, were received by the Bureau of Public Roads, Sheldon Bldg., San Francisco, from the following:

Standard Oil Co., Union Oil Co., Shell Co., Richfield Oil Co. and Associated Oil Co. and Gilmore Oil Co.

Petroleum Corp. bid $0.85 per bbl.

All bids held under advisement.

BIDS OPENED

SAN FRANCISCO—F. G. Nutting, 666 Mission St., San Francisco, at $112, 2% 10 days, submitted low bid to the Bureau of Public Roads, Sheldon Bldg., for hauling a 50 Caterpillar tractor and LaPlant-Choate trailbuilder (approximate weight, 13 tons) from the Bureau of Public Rds Camp about 10 miles from Douglas City on the Douglas City-Peanut National Forest Road to a point on the Alder Springs-Cevelo Road, approximately 30 miles west of Willits, a total distance of approximately 150 miles. Other bids were:

Epperson Drayage Company, Woodland, $145 ½ 10 days.

Hemstreet & Bell, Marysville, $150 net.

Thompson Bros., Inc., San Francisco, $165 net.

J. P. Breen, Sacramento, submitted an irregular bid at $120.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Sept. 5, for furnishing pressure-treated fir poles under Spec. No. 1496:

Chas. R. McCormick Lumber Co., (1) for 400 40-ft. poles, $14.90 each; (2) for 200 45-ft. poles, $17.55 each; (3) for 50 50-ft. poles, $20.40 each.

J. H. Baxter & Co., (1) $15.34; (2) $18.50; (3) $19.60.

Pan-Pacific Piling & Const. Co., (1) $15; (2) $17.50; (3) $20.

Consolidated Lumber Co., (1) $12.10 (2) $15.38; (3) $19.60.

All bids net.

BOND ELECTION

MARTINEZ, Cal. — Martinez City Council has set September 25 as the date for an election on a bond issue of $38,000 to secure a loan in the same amount and a grant of $15,000 allotted by the PWA for construction of a municipal yacht harbor. Architect E. Geoffrey Bangs, 411 13th St., Oakland, has prepared preliminary studies of the project.

BIDS OPENED

LOS ANGELES, Cal.—F. W. Weber, 8442 California Ave., South Gate, submitted low bid to the Los Angeles Board of Public Works, for the construction of the Terminal Island Outfall Sewer, PWA Project No. 5633, Unit No. 2.

The work involves:

(1) 419.96 l.f. 30-in. cast iron pipe;
(1b) 82.74 l.f. 20-in. do;
(2) 877.92 l.f. 30-in. do;
(2a) 856.01 l.f. vitrified clay pipe;
(3a) 972 l.f. 30-inch creosoted wood stave pipe;
(3b) 282 l.f. 30-in. cast iron pipe;
(4) 1,000 l.f. 30-in. cast iron outfall sewer (an alternate to items 3a and 3b).

The bidders were:

(A) F. W. Weber, South Gate.

(B) Mikgenovich & Gillespie, Los Angeles.

(C) Merritt, Chapman & Scott Corp., San Pedro.

Complete bids follow:

	(A)	(B)	(C)
(1a)	$15,152.00	$	$.....
(1b)	2,183.00	.....	.....
(2)	9,350.00	16,862.50	.....
(2a)	8,800.00	14,737.60	.....
(3a)	.....	.....	25,339.00
(3b)	.....	.....	1,167.00
(4)	13,210.00	.....	19,528.00

All bids held under advisement.

CONTRACT AWARDED

RIVERSIDE COUNTY, Cal.—George Herz & Co., Platt Bldg., San Bernardino, at $10,131.30 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with oil treated crushed gravel or stone (plant mix) and bituminous surface treatment applied, in Riverside county, about 0.7 mile on Eschsolzia Ave. between Frederick and Graham Streets.

BIDS OPENED

SAN MATEO, San Mateo Co., Cal.—H. E. Casey Co., 835 Woodside Way, San Mateo, at $0.0848 per sq. ft. submitted low bid to the San Mateo City Council for paving East Santa Inez Ave. and North Fremont Street. The work involves 40,000 sq. ft. of paving, consisting of a 4-in. compacted quarry run base and a 2-in. armor coat.

The other bids were:

	Per sq. ft.
W. O. Tyson, Redwood City	$0.09
L. C. Smith, San Mateo	.09
Union Paving Co., S. F.	.10
Palo Alto Road Materials Co.	.115
A. J. Raisch, San Jose	.14

Bids held under advisement until September 17.

PLANS COMPLETED

RICHMOND, Cal.—City Engineer E. A. Hoffman has completed plans and specifications for resurfacing Macdonald Ave., between Garrard Blvd. and Twenty-third St. The work is financed by gas tax funds and the contract will be advertised as soon as plans are approved by the State Division of Highways.

BIDS WANTED

MARIN COUNTY, Cal.—Until Sept. 24, 11 A. M., bids will be received by the Marin County Board of Supervisors, Courthouse, San Rafael, for placing armor coat on various roads and streets in Tamalpais valley and Homestead, and resurfacing several streets in Homestead. Estimated cost, $6000.

Rodney Messner, County Surveyor.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SANTA BARBARA Co.—5.8 Mi. Grade&Oil Treat—(State)

SANTA BARBARA COUNTY, Cal.—Granfield, Farrar & Carlin, 67 Hoff St., San Francisco, at $368,268.35 submitted low bid to State Highway Commission, Sacramento, for about 5.8 mi. in length to be graded and oil treated by the road mix method between Hollister Ave. and Painted Cave Road, and a bridge to be constructed across San Antonio Creek, Santa Barbara Co.

The work involves:

Total bids follow:

(A) Granfield, Farrar & Carlin, San Francisco, $368,268.35.
(B) Jahn & Bressi, Los Angeles, $371-482.00.
(C) C. W. Wood, Stockton, $412,363.50.
(D) A. Teichert & Son, Sacramento, $444,219.80.
(E) Peninsula Paving Co., San Francisco, $493,009.45.
(F) Sharp & Fellows Contr. Co., Los Angeles, $494,555.20.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$125.00	$ 80.00	$150.00	$178.00	$200.00	180.00
(2)	.30	.315	.35	.367	.40	.435
(3)	.003	.0025	.003	.003	.011	.003
(4)	.75	1.00	.80	1.50	1.25	1.00
(5)	.25	.20	.25	.15	.15	.20
(6)	.35	.25	.50	.35	.20	.30
(7)	.35	.40	.50	.45	.30	.45
(8)	.40	.50	.75	.65	.45	.50
(9)	.45	.65	1.00	.75	.65	.60
(10)	.60	.80	1.00	.85	.95	.75
(11)	.75	1.50	1.50	2.00	1.50	1.40
(12)	1.00	.75	.50	1.00	.80	.30
(13)	10.00	2.50	1.00	3.00	7.00	5.00
(14)	20.00	17.00	19.00	24.00	21.00	21.00
(15)	15.00	12.00	15.00	14.00	12.00	12.00
(16)	18.00	15.00	15.00	15.25	18.00	12.00
(17)	.04	.04	.045	.05	.05	.04
(18)	.06	.08	.06	.065	.075	.075
(19)	10.00	5.00	8.00	9.00	11.50	12.00
(20)	12.00	1.00	3.00	1.75	12.50	2.50
(21)	1.25	5.00	2.00	3.00	5.00	3.00

BENTON FIELD — SURFACING — (GOVT.)

BENTON FIELD, Alameda Co., Cal.—N. M. Ball, 1889 Yosemite Rd., Berkeley, at $48,134 submitted low bid to the Constructing Quartermaster, Fort Mason, under Spec. No. W 6757 35-1, for placing concrete surfacing on roads and paved areas at Benton Field Air Depot, Alameda.

Bids were taken as follows:

(1) work complete;
(II) deduct if resurfacing of railroad track is omitted;
(1) per c.y. underfill, spread & rolled;
(2) per sq. ft. 6-in. concrete pave., incl. grading, placing, finishing and mesh reinforcement;
(3) per l.f., curb, integral with slab;
(4) per l.f., curb, plain, raised;
(5) per l.f., curb, plain, flush;
(6) per l.f., combined curb and gutter, Types A and B.
(7) per 100 lbs., reinf. bars;
(8) per l.f. 6-way electric duct line, encased in concrete;
(9) per l.f., 8-in. cast iron pipe, for drains;
(10) per lin. ft. 10-in. do;
(11) per l.f., 6-in. cast iron pipe, for water;
(12) per l.f., 3-in. genuine wrought iron pipe, galv.;
(13) per l.f., 6-in. steel pipe, asphalt coated, for conduit;
(14) per l.f., 4-in. do;
(15) per l.f., 8-in. vit. sewer pipe;
(16) per l.f., 10-in. do.

Total bids follow:

(A) N. M. Ball, Berkeley, (I) $48,134; (II) $800.00.
(B) Meyer Rosenberg, San Francisco, (I) $51,750; (II) $600.00.
(C) J. Catucci, Oakland, (I) $51,995; (II) $1500.00.
(D) Union Paving Co., San Francisco, (I) $52,787.85; (II) $1100.00.
(E) Albany Cement Contractors, Albany, (I) $52,977.50; (II) $1500.00.
(F) Fredrickson & Watson, Oakland, (I) $57,953.80; (II) $1800.00.
(G) Heafey-Moore Co., Oakland, (I) $58,454; (II) $1798.50.
(H) Rasome Co., Emeryville, (I) $59,-400; (II) $1600.00.
(I) A. Soda & Son, Oakland, (I) $63,-772.00; (II) $1400.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$1.75	$2.00	$1.25	$1.50	$10.00	$1.25	$1.00	$1.00	$10.00
(2)	.205	.21	.19	.20	.19	.235	.23	.23	.22
(3)	.37	.45	.24	.40	.40	1.00	.90	.37	.82
(4)	.67	.75	.37	.60	.50	.75	.63	.76	.70
(5)	.60	.70	.37	.55	.50	.65	.57	.64	.68
(6)	.80	1.00	.285	1.10	.60	1.00	.92	1.18	.98
(7)	4.00	6.00	3.70	6.00	6.00	4.50	4.50	5.00	4.00
(8)	2.00	3.50	2.00	2.50	2.00	2.40	1.46	2.50	1.70
(9)	1.50	1.75	1.50	1.90	1.20	2.00	3.65	2.00	1.25
(10)	2.00	2.70	2.00	2.50	1.70	2.50	6.00	3.00	1.75
(11)	1.50	1.30	1.50	1.50	1.00	2.00	1.90	1.40	1.25
(12)	1.10	1.50	1.10	1.70	1.00	1.30	2.14	1.40	.75
(13)	1.50	1.70	1.60	1.40	1.80	1.70	1.96	1.90	.90
(14)	1.20	1.10	1.20	1.20	1.20	1.20	1.43	1.15	.75
(15)	.75	.80	.75	1.30	.70	.85	1.47	.93	.60
(16)	.80	1.00	.80	1.75	.80	1.10	1.68	1.12	1.00

All bids held under advisement.

BIDS OPENED

SAN CLEMENTE—F. W. Weber, 8442 California Ave., South Gate, at $38,539.78 submitted low bid and recommended for award of contract by the San Clemente City Council, September 7, for furnishing all labor material, transportation and services for the construction of cast iron water mains in the City of San Clemente to replace existing steel mains. The work is being financed by PWA allotment. W. A. Ayer, City Engineer. Bids were taken as follows:

(1) 4-in. pipe in place, per lin. ft.;
(2) 6-in. pipe in place, per lin. ft.;
(3) 8-in. pipe in place, per lin. ft.;
(4) 10-in. pipe in place, per lin. ft.;
(5) 6-in. welded steel pipe to be removed, per lin. ft.

The work involves:

41,418 4-in. C.I.P. Class 150, government specifications;
3559 6-in. C. I. pipe;
1600 8-in. C. I. pipe;
560 10-in. C. I. pipe (pipe to be in 16 or 18-ft. lengths);
41 hydrant connections;
42 4-in. plugs;
35 4-in. gate valves;
7 6x6x4-in. tees;
76 4-in. tees;
4 4-in. crosses;
41 4-in. ells;
40 4-in. 22½ degree ells;
38 4-in. 45 degree ells;
2 8-in. 46 degree ells;
5 8-in 22½ degree ells;
7 8x8x4-in. tees;
5 4x24-in. nipples;
1 12x12x10-in. wye (to connect to wood main);
1 10-in. 45-degree ell;
1 10x10x4x4-in. cross;
1 10x10x6x4-in. cross;
1 6-in. gate valve;
1 10-in. gate valve;
560 lin. ft. 6-in. street main to be removed;
1 6x4-in. reducer;
1 8x4-in. reducer;
1 8x4-in. ell;
1 6x12-in. reducer;
1 6x4x8-in. tee;
80 ft. 14-in. steel casing.

The bids were:

(A) F. W. Weber, South Gate, $38,-539.78.
(B) Geo. A. Shepard, Los Angeles, $39,384.58.
(C) Drainage Constr. Co., Lynwood, $39,412.25.
(D) S. M. Milovich, Montebello, $40,-020.68.
(E) Sutalo & Ramljak, Los Angeles, $40,426.94.
(F) Miracle Constr. Co., San Diego, $41,022.80.
(G) Dick Bros., Los Angeles, $43,-755.28.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)
(A)	$0.738	$1.10	$1.56	$2.59	$0.20
(B)	.76	1.10	1.55	2.50	.20
(C)	.75	1.25	1.65	2.15	.10
(D)	.74	1.44	1.87	2.14	.10
(E)	.80	1.06	1.50	1.90	.10
(F)	.75	1.50	1.81	2.88	.20
(G)	.81	1.30	2.00	3.50	.75

Bids held under advisement.

September 11, 1934

COMPLETE BID LISTING

LOS ANGELES COUNTY, Calif.—Kovacevich & Price, Inc., 5400 Imperial Highway, South Gate, at $48,281.-80 (Alt. A) and $49,138.80 (Alt. B) as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for grading and paving with Portland cement concrete or asphalt concrete and Portland cement concrete about 0.3 mile for ap-

proaches to Alhambra Wash bridges, and constructing two bridges.

Total bids follow:

(A) Kovacevich & Price, Inc., South Gate, (Alt. A) $48,281.80; (Alt. B) $49,138.80.

(B) R. R. Bishop, Long Beach, $58,-446.40; $59,663.40.

(C) Griffith Co., Los Angeles, [illegible]5,389.-60; $60,683.00.

(D) Byerts & Dunn, Los Angeles, $61-417.00; $62,952.00.

(E) Bannister-Field Co., Ltd. and F. E. Potts, Los Angeles, $63,710.35; $65,214.35.

Unit quantities follow:

(1) 17 stations clearing and grubbing right of way;
(2) 4,800 c.y. rdwy. excav., unclass.;
(3) 150 sta. yds. overhaul;
(4) 1,200 c.y. imported borrow;
(5) 3,550 c.y. structure excavation;
(6) 5,600 sq. yds. subgrade for pave.;
(7) 480 c.y. Class A Portland cement concrete (pavement);
(8) 225 c.y. Class A do (curbs, gutters, and sidewalks);
(9) 20 c.y. Class A do (structures);
(10) 13,800 lbs. bar reinf. steel ,pavement and structures);
(11) 1,550 lbs. misc. iron and steel structures;
(12) 78 l.f. 18-in. CMP;
(13) 60 l.f. 24-in. CMP;
(14) 78 l.f. 30-in. CMP;
(15) 312 l.f. 48-in. CMP;
(16) 670 c.y. removing and disposing of concrete;
(17) 120 M. gals. water;
(18) 210 bbls. heavy fuel oil shoulders;
(19) 4,350 sq. yds. prepare, mix and shape shoulders, oil treatment;
(20) 17 stations finishing roadway;
(21) 1,410 l.f. furnishing steel piles, including test piles;
(22) 47 each driving do;
(23) 33 MFBM treated Douglas fir timber;
(24) 1,100 c.y. Class A Portland cement concrete (bridges);
(25) 11.5 c.y. Class A do (railing);
(26) 269,000 lbs. bar reinforcing steel (bridges);
(27) removing and disposing of temporary bridge;
(28) 1 lot misc. items of work (bridge details).

ALTERNATIVE A

(29) 1,370 tons asphalt conc. pave.;

ALTERNATIVE B

(30) 610 c.y. Class A Portland cement concrete pavement;
(31) 17,000 lbs. bar reinf. steel pave.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 5.00	$ 25.00	$ 18.00	$10.00	$14.00
(2)	.40	.50	.40	.35	.34
(3)	.01	.10	.05	.05	.02
(4)	.35	.50	.43	.60	.58
(5)	.60	.90	1.10	1.00	.69
(6)	.10	.10	.15	.15	.115
(7)	7.00	7.00	8.40	8.25	8.65
(8)	10.00	12.00	11.00	15.00	12.00
(9)	15.00	20.00	17.25	20.00	20.70
(10)	.04	.038	.039	.045	.046
(11)	.12	.12	.12	.15	.14
(12)	.20	1.00	.30	1.00	.50
(13)	.30	1.00	.35	1.50	.70
(14)	.40	1.50	.40	2.00	.90
(15)	1.25	1.75	.60	2.25	2.00
(16)	1.50	3.00	1.60	3.00	2.60
(17)	.50	1.00	1.00	1.00	.70
(18)	1.35	2.00	2.00	2.00	1.65
(19)	.045	.15	.06	.10	.05
(20)	3.00	10.00	7.50	10.00	5.75
(21)	1.65	1.50	1.40	2.00	1.65
(22)	10.00	20.00	12.00	15.00	13.80
(23)	57.75	65.00	58.00	70.00	70.00
(24)	14.00	17.00	17.00	18.00	22.00
(25)	40.00	45.00	50.00	50.00	58.00
(26)	.035	.039	.04	.04	.0425
(27)	100.00	300.00	350.00	200.00	230.00
(28)	280.00	1000.00	2175.00	400.00	400.00
	ALTERNATIVE A				
(29)	3.00	2.70	3.28	3.00	3.25
	ALTERNATIVE B				
(30)	7.00	7.00	8.40	8.00	8.65
(31)	.041	.038	.039	.045	.04

COMPLETE BID LISTING

PIERCE COUNTY, Wash. — Babler Bros., 2407 N.W. 28th Ave., Portland, at $78,450, as previously reported, submitted low bid to the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, Sept. 5, for 15.515 miles of surfacing in the Mt. Rainier National Park, White River Road, NR-3-A, B1, B2, B3 bituminous macadam, National Park Road Project located within the Mt. Rainier National Park, Pierce Co., Washington.

Total bids follow:

(A) Babler Bros., Portland, $78,450.
(B) Standard Asphalt Paving Co., Spokane, $82,625.00.
(C) J. C. Compton, McMinnville, $86,-455.00.
(D) Northwest Roads Co., Portland, $86,480.00.
(E) H. P. Dorsey, Bellingham, $90,-875.00.

Unit quantities follow:

(1) 2,000 c.y. unclass. excav.;
(2) 1,000 sta. yds. overhaul;
(3) provide and maintain water plant;
(4) 100 M. gals. watering;
(5) 15.5 miles prepare roadway;
(6) 15,500 c.y. mineral aggregates;
(7) 1,700 tons emulsified asphalt.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .50	$ 1.25	$ 1.00	$ .50	$ 1.00
(2)	.05	.05	.03	.03	.05
(3)	100.00	250.00	200.00	250.00	800.00
(4)	2.50	3.00	3.00	2.50	3.00
(5)	400.00	500.00	200.00	300.00	300.00
(6)	1.50	1.45	1.65	2.00	1.85
(7)	28.00	29.00	32.50	29.00	32.00

All bids held under advisement.

COMPLETE BID LISTING

APACHE CO., Ariz.—R. C. Tanner & W. E. Hall Co., Phoenix, at $15,812 as previously reported, submitted low bid and recommended for award of contract by the U. S. Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a base course on 4.1 miles of Section B2 of Route 1, Petrified Forest National Monument, Apache County, Arizona.

Total bids follow:

(A) R. C. Tanner & W. E. Hall Co., Phoenix, $15,812.
(B) Leo Frost, Joseph City, $17,152.
(C) Skousen Bros., Albuquerque, $20,-502.00.
(D) Arizona Sand & Rock Co., Phoenix, $21,306.
(E) Ernest W. Everly, Albuquerque, $23,390.
(F) L. R. Allison, Albuquerque, $23,-698.00.
(G) M. O. Packard, Jr., Phoenix, $23,-986.00.
(H) Engineer's estimate, $23,410.00.

Unit quantities follow:

(1) 13,000 tons crushed gravel base course;
(2) 400 tons suppl. crushed gravel.

	(A)	(B)	(C)	(D)
(1)	$1.18	$1.28	$1.53	$1.59
(2)	1.18	1.28	1.53	1.59
	(E)	(F)	(G)	(H)
(1)	$1.75	$1.77	$1.79	$1.75
(2)	1.60	1.72	1.79	1.65

COMPLETE BIDS

COCONINO CO., Arizona. — Arizona Sand & Rock Co., Phoenix, at $10,214.-50, as previously reported, submitted low bid and recommended for award of contract by the Bureau of Public Roads, Phoenix, for placing seal coat on 17.199 miles of Section D of the South Approach to Grand Canyon National Park, Coconino County.

Complete bids follow:

(A) Arizona Sand & Rock Co., Phoenix, $10,214.50.
(B) Pearson and Dickerson, Phoenix, $11,534.50.
(C) Engineer's estimate, $9,712.50.

Unit quantities follow:

(1) 175 tons applying asph. material;
(2) 1,350 c.y. screenings for seal coat;
(3) 65 c.y. screenings for patching.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 6.00	$10.70	$ 7.50
(2)	5.97	6.30	5.50
(3)	17.00	17.80	15.00

COMPLETE BID LISTING

KERN COUNTY, Cal.—Rexroth & Rexroth, 2110 C. Station A, Bakersfield, at $2702, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, R. M. Gillis, District Engineer, Fresno, for the construction of a timber bridge consisting of three 15-ft. spans in Kern County across Whiterock Creek at Monolith. Complete bids follow:

(A) Rexroth & Rexroth, Bakersfield, $2702.
(B) Claude C. Wood, Stockton, $3018.
(C) D. O. C. Constr. Co., Santa Barbara, $3199.25.

Unit bids follow:

(1) 45 cu. yds. structure excavation, (A) $2.00; (B) $2.00; (C) $2.25;
(2) 32 cu. yds. Class B Portland cement concrete (A) $15; (B) $20; (C) $14.
(3) 16 M. Ft. timber redwood DSAHS (A) $82; (B) $88; (C) $100.
(4) 10 M. Ft. timber redwood, SAHS, (A) $82; (B) $88; (C) $105.

KERN COUNTY—9.3 MILES SURFACING—(STATE)

KERN COUNTY, Cal.—C. W. Wood, Box 49, Stockton, at $42,579 submitted low bid to the State Highway Commission, Sacramento, for about 9.3 mi. in length to be surfaced with bituminous treated selected material in Kern County between the westerly boundary and 2.4 miles south of Maricopa.

The work involves:

(1) 7800 cu. yds. selected material;
(2) 475 tons cut-back asph. road oil;
(3) 9.33 miles mixing bituminous binder and selected material;
(4) 9200 bbls fuel oil;
(5) 150,000 sq. yds. preparing, mixing and shaping roadbed;
(6) 206 M. gals. water;
(7) 45 cu. yds. structure excavation;
(8) 114 lin. ft. 8-in. C.M.P.;
(9) 5 each spillway assemblies;
(10) 755 each timber guide posts.

Total bids follow:

(A) C. W. Wood, Stockton, $42,579.00.
(B) Stewart & Nuss and John Jurkovich, Fresno, $45,854.00.
(C) Tiffany Const. Co., San Jose, $46,-465.25.
(D) Griffith Co., Los Angeles, $47,-624.50.
(E) L. A. Brisco, Arroyo Grande, $47,-993.15.
(F) Hanrahan-Wilcox Corp. San Francisco, $49,757.75.
(G) Western Motor Transfer, Inc., Santa Barbara, $51,160.46.
(H) Granite Const. Co., Watsonville, $59,858.20.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 1.50	$ 1.50	$ 1.45	$ 1.55	$ 1.20	$ 1.80	$ .96	$ 2.00
(2)	15.50	17.00	17.80	18.00	16.50	16.40	18.37	20.00
(3)	400.00	500.00	550.00	300.00	525.00	600.00	507.00	800.00
(4)	1.40	1.50	1.50	1.50	1.65	1.35	1.69	1.62
(5)	.04	.04	.04	.06	.06	.06	.083	.07
(6)	2.00	3.00	3.00	2.75	6.00	1.50	7.00	4.00
(7)	1.00	1.00	1.50	.80	1.50	1.00	.60	1.50
(8)	.50	1.00	.50	1.50	.50	.50	.10	.30
(9)	5.00	20.00	5.00	20.00	3.00	10.00	5.00	12.00
(10)	.50	1.00	1.35	.70	.50	.60	1.00	.70

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IN THIS ISSUE

San Jose Auditorium Bids October 8

First Span of Bay Bridge Completed

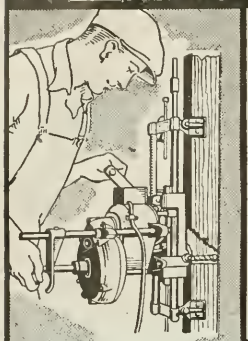
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

MBER 22, 1934

Vol. XVII—No. 38

WAPPAT Electric TOOLS



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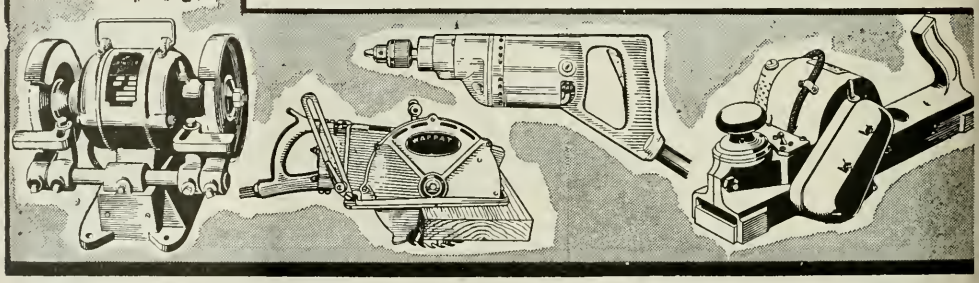

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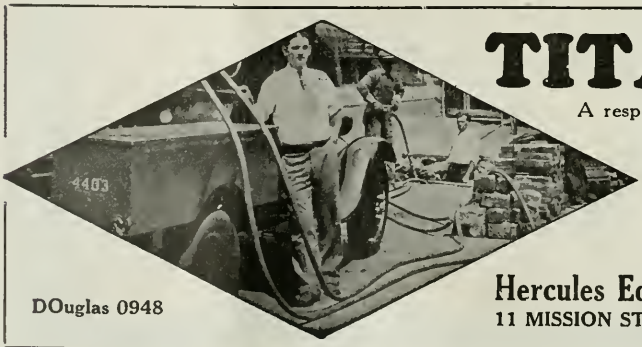

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Vol. XVII SAN FRANCISCO, CALIF., SEPTEMBER 22, 1934 No. 38

FIRST SPAN OF S. F. BAY BRIDGE IS COMPLETED

Contractors Strat Erection of E-21 This Week; Saddles Set on Second Tower

Saddles having been erected on top of Tower W-3, steel erection crews will be moved this week to Pier W-6, immediately west of Yerba Buena Island, where the third steel tower of the San Francisco-Oakland Bay Bridge will be raised, according to the weekly report to be filed with State Director of Public Works Earl Lee Kelly by Chief Engineer C. H. Purcell today.

This record speed of tower erection by the Columbia Steel Company crews was rivaled by other Columbia steel crews at the east end of the bridge, in the Oakland tidelands, who completed the erection of Span E-22, and are starting this week on Span E-21.

The week also saw great progress in substructure.

In the East Bay, Bridge Builders, Inc., completed sealing the floor of concrete beneath the south end of the world's deepest pier, E-3, 1400 feet east of Yerba Buena Island, and poured the last concrete in Pier E-9, the huge 100 by 100 foot cofferdam pier, where the bridge takes a bend, just north of the Key Route slip.

In the East Bay substructure, the contractor started the last of the concrete piers that rest on piles, Pier F-6, and was driving the last steel sheet piling cofferdam on the eastern tip of Yerba Buena Island for Pier E-2.

Clinton Const. Co., contractors on the island tunnel, reported the crown heading has been carried a total of 400 feet from the tunnel face. The south side drift has been carried a total of 400 feet, and the north side drift a total of 250 feet.

At the east end of the bridge, the Clinton Const. Co. completed a concrete span of the set that brings the bridge to ground level.

On the San Francisco side, Healy-Tibbitts Const. Co. placed the last San Francisco land pier under construction on the west side of Main Street. This pier, designated "A", is 375 feet east of the anchorage on Rincon Hill.

L. A. FIRMS LOW ON POWER PLANT

SACRAMENTO, Sept. 18. — Wesco Const. Co., Los Angeles, at $49,876 submitted the low bid today to the Division of Architecture on the general contract for erecting a one-story reinforced concrete boiler plant building at the Camarillo State Hospital in Ventura County.

East Side Electric Co., Los Angeles, at $1,250 was low bidder on the electrical contract and F. C. Schilling, Los Angeles, at $5,250 was low bidder on the plumbing and heating.

WATER DISTRICT INVITES BIDS ON DAM AND CANAL

First Unit of Santa Clara Water Conservation Project Ready For Figures

Bids for construction of the Vasona Dam and Vasona Canal, first unit of the well replenishment program of the Santa Clara Valley Water Conservation District, will be received October 2 by directors of the district. The contract is the first of a series comprising construction to cost $2,683,000.

The water district has planned a system of percolation reservoirs to be located in the hills of northern Santa Clara county to control the run-off for the benefit of agriculturalists in the valley. By conserving the seasonal run-off it is expected the water table in the valley can be raised materially, the cost of the project being realized from savings in pumping expense.

Fred H. Tibbetts, Alaska Commercial Building, San Francisco, is chief engineer for the district. Headquarters of the district are in the Grant Building, San Jose.

The Vasona dam is to be constructed on Los Gatos creek, about one and one-half miles north and one mile west of Los Gatos. It will be an earth fill structure with an estimated 65,000 cubic yards of embankment and 40,000 square feet of concrete facing. The spillway will be of concrete. The contract includes construction of two and one-half miles of canal ditch and pipe line from the dam to San Tomas Aquinas Creek.

SAN JOSE ASKS NEW PROPOSALS ON AUDITORIUM

Re-Advertise $375,000 Civic Building; Bids Open October 8

The San Jose city council has advertised for bids on the construction of the $375,000 civic auditorium in that city, to be opened October 8. Formal PWA approval of plans for the building was received Saturday and the bid call was authorized at a meeting of the city council Monday evening.

The auditorium will be a three-story concrete and steel frame building, with tile roof, concrete floors, and wood floors in the auditorium, according to the plans drawn by Architects Binder & Curtis of San Jose. In addition to the main auditorium, to seat 3800, there will be an auxiliary auditorium with a seating capacity of 1000.

Bids will be taken on a general contract, with separate contracts for electric, plumbing and mechanical work, and the installation of a sprinkler system.

Previous bids on the project, opened June 25, were rejected because they exceeded available funds. At that time Charles Thomas of San Jose was the low bidder on the general contract, with a figure of $342,895.

Subsequently the plans were revised, the pile foundation being eliminated and other changes made and were awaiting formal approval of the Public Works Administration which has made a grant to the project of thirty per cent of the cost of labor and materials.

Leland and Haley of San Francisco are mechanical engineers for the building.

CLYDE W. WOOD LOW ON KERN HIGHWAY

SACRAMENTO, Sept. 19. — Low bid was submitted to State Highway Commission here today by C. W. Wood of Stockton, at $10,228.30, on a contract for grading and surfacing about 0.7 mile in Maricopa, Kern county. John Jurkovich of Fresno, was second low bidder, at $12,463.60. Other bids submitted were: Granite Const. Co., Watsonville, $13,081.70, and L. A. Brisco, Arroyo Grande, $14,962.70.

DISTRICT VOTE ON $225,000 PWA WORK OCT. 9

Modesto Will Propose Revenue Bonds As Security For Improvements

Voters of the Modesto Irrigation District will go to the polls on Tuesday, Oct. 9, to decide whether the district will accept a $225,000 loan and grant offered by the Public Works Administration for canal and transmission line additions and improvements.

If acceptance of the federal offer is voted, the district will receive $67,500 as an outright gift which represents 30 per cent of the labor and material costs, and will be loaned $157,500, to be paid back in eighteen years.

The first payment on the loan will be made in 1940 and the loan will bear 4 per cent interest.

Revenue Bonds Only

As security for the loan, the district will be required to give revenue bonds, secured only by the revenue of its electric distribution system.

In conformity with PWA requirements, the district will issue these revenue bonds in the amount of $177,000, or $19,500 more than it plans to borrow.

This PWA policy is a safeguard against projects being started and left incomplete in the event costs exceed the estimates.

Of the total $225,000, the electric department is to receive $60,000, with which it plans to place a second circuit on the transmission line between Don Pedro Powerhouse and Station A in Modesto.

The irrigation department will get $165,000 for use in lining canals with concrete and installing new structures in the main canal.

Oregon Advertising $1,496,000 State Highway Contracts

Oregon State Highway Commission has launched the 1934-35 highway construction program with advertising for bids on eleven contracts to be opened Oct. 1. State Highway Engineer R. H. Baldock announced that bids would be opened October 11 on nine other contracts.

The bid opening October 1 will involve an estimated expenditure of $851,000, while the estimated cost of work in the two lettings scheduled is $1,496,000.

Warm Air Heating and Sheet Metal Contractors in Kings county have designated the office of Hal Weisbaum, Hanford, as depository for duplicate bids under the industry code.

Bureau Advertises Highway Grading Contract In Nevada

Bids will be opened in San Francisco by the U. S. Bureau of Public Roads, October 9, for a forest highway improvement contract in eastern Nevada. The contract is for grading and placing a crushed gravel base course on Section A of Rte. 12, the Midland Trail on the Ely-Tonopah highway in White Pine and Nye counties. The section is 12.2 miles and involves estimated quantities of 114,900 cubic yards of unclassified excavation and 34,300 tons crushed gravel.

Specifications are available at the office of District Engineer C. H. Sweetser in the Sheldon Building.

CITY BUILDING PROJECTS LOSE IN BUDGET CUT

Livestock Pavilion, Playground Work Dropped by Tax Board Edict

The $500,000 San Francisco livestock pavilion, only major building project in the city's current budget, has been denied funds in a ruling by the State Board of Equalization which eliminated $689,515 from proposed expenditures for the 1934-35 fiscal year. The city had appropriated $250,000 to match an appropriation by the state legislature for the building.

Other reductions include $199,130 from the recreation and playground appropriation, which will eliminate two recreation center buildings on which the commission was prepared to ask bids shortly. The item of $234,000 for extension of the city's street lighting system also was rejected.

City officials appealed to the board of equalization for permission to exceed the five percent statutory limit of tax increase after the State Supreme Court had held the budget violated the Riley-Stewart tax law. The board permitted an increase of $1,177,181 over the five per cent limit but refused to approved items involving a capital outlay.

Pleas against the reduction of the budget were made to the board by Mayor Rossi, City Attorney O'Toole Supervisors Gallagher and Havenner, Cameron King, representing the Municipal Employes' Federation and William Hornblower, former assemblyman.

Frederick Whiton, who said he represented the Building Owners' and Managars' Association and the Real Estate Board of San Francisco, urged that the budget be limited to the five per cent increase automatically permitted under the law.

BURLINGAME SELLS BONDS FOR SEWERS

$86,000 Issue To Finance Portion of Peninsula Project Purchased

The Burlingame city council has accepted the bid of the National Bank of San Mateo for an $86,000 municipal bond issue, funds from which are to finance completion of the city's sewer lines and outlet to the bay and construction of a treatment and disposal plant on the bay. The San Mateo bank, only bidder, bid par and interest at 3.4 percent.

The bonds were approved by Burlingame voters at a special election August 30 to secure a PWA grant of approximately $39,000 to the project, total cost of which has been estimated at $147,000. The neighboring town of Hillsborough will contribute toward the cost and will share in the use of the completed system.

City Engineer Charles M. Thomas of Burlingame is completing plans for the system and will submit them to the San Francisco office of the Public Works Administration within two weeks for approval. The city council will call for bids on the work immediately upon receipt of PWA approval.

In San Mateo, the city council contemplates resubmission of an $85,000 bond issue, to secure a PWA loan and grant for construction of an outfall sewer, at the general election November 6. The bonds were defeated at a previous election. If the bonds are voted the project probably will be constructed jointly with that in Burlingame.

OAKLAND MAY ASK EXCAVATION PERMIT

An ordinance requiring a permit for excavations to a depth of more than three feet in the city of Oakland is under consideration by the city council. The act is requested by the city building inspection department to establish supervision of excavation work. A permit would be issued by the building department after inspectors had been satisfied of the safety of the proposed work.

SALINAS REPORTS GAIN IN BUILDING

An upturn in Salinas building activity is reported by Building Inspector Ralph Hitchcock, who states that work valued at $104,300 is under contract in the city.

Included is the $17,000 addition to the Drive-In Market, being erected by Sam Trondhjem, Salinas contractor. Trondhjem also is contractor on two buildings for the Salinas High School, to cost $14,000.

E. F. Reese Salinas building contractor, has a number of jobs going, including an $8000 market building and several residences.

DIRECTORS PLAN ADDITIONAL GATE BRIDGE FINANCES

$460,000 Paid to Contractors During August; $3,000,000 Balance Shown

With estimated balance of $250,000 in the construction fund of the Golden Gate Bridge and Highway District, at the end of the current year, additional financing for the Golden Gate Bridge project will be necessary either in October or November.

This was indicated in the report of Auditor John R. Ruckstell presented to the district directors at their last weekly meeting in San Francisco. In order to provide required finances the directors must dispose of an additional block of bonds the amount of which as yet is undetermined.

The cash balance in the construction fund on September 1, as revealed in the auditor's report, amounted to $3,019,600.03. This was after the payment to contractors of $463,111 during the month of August.

A special committee, chosen by the board of directors, and consisting of Francis V. Keesling, Hugo D. Newhouse and Harry Lutgens was appointed to confer with representatives of the McClintic-Marshal corporation, contractors for the steel superstructure of the bridge, relative to this company's claim for approximately $23,000 for extra work.

This work involves the coating with protective paint, handling and storing of steel members for the San Francisco tower as the result of delay in the completion of the south pier, by reason of change in design ordered by the board of engineers.

An order to slow up work on the San Francisco tower steel was transmitted by Chief Engineer Jos. B. Strauss at the time the change in pier and fender design was decided upon.

On August 10 Chief Engineer Strauss ordered the McClintic-Marshall company to proceed with the fabrication of material. This order was made when it was became apparent that the pier and fender would be completed during the month of December of this year. Despite Strauss' order the contractor has refused to proceed with the fabrication until the matter of the charge for the extra work has been adjusted.

Attorney Geo. Harlan in a statement to the board advised a speedy adjustment of the claim so that the work might proceed without interruption.

The board also authorized the expenditure of $6,000 for the reconstruction of a part of the Crissy Field barracks in order to make way for piers of the high viaduct in the Presidio approach road. This authorization was in the form of an extra work order directed to Eaton Smith, contractors for the Presidio approach road.

NRA To Support Lumber Code Prices; Prosecution of Violators Pledged

It is the intention of the Compliance Division of NRA to enforce the minimum cost protection prices as well as the other provisions of the Lumber and Timber Products Industries code of fair competition, according to a statement made to David T. Mason, executive officer of the Lumber Code Authority, by A. R. Glancy, assistant NRA administrator. The communication, which was presented to the Control Committee of the Lumber Code Authority in session in Washington, reads as follows:

"It is the intention of the Compliance Division of the NRA to obtain full and complete compliance to the provisions of all codes of fair competition.

"Article IX of the Code for the Lumber and Timber Products Industries provides for cost protection. The Compliance Division regards a violation of the provisions of this article in the same light as a violation of any other Code provision.

"Where necessary the Compliance Division will resort to prosecution or other appropriate action to secure enforcement."

The Lumber Code Authority accepts this statement as certain proof that it will be vigorously supported by the Government in its program of rigid enforcement of cost protection prices, considered vital to the maintenance of the code program.

The question of NRA enforcement of minimum cost protection prices in the lumber industry has been brought to the fore by the recent disturbance in Southern hardwood circles caused by the Fisher Body Corporation entering into contract with 72 hardwood lumber manufacturers for the delivery of a total of fifty million feet of lumber at 12½% under Lumber Code cost protection prices, duly proclaimed last July by General Johnson.

FRANK C. CUFFE LOW ON TEHAMA FOREST HIGHWAY

San Rafael Contractor Submits $69,680 Proposal; Bureau Recommends Award

Frank C Cuffe of San Rafael yesterday submitted low bid to the U. S. Bureau of Public Roads on a contract for grading about five miles of the Deer Creek Meadows National Forest Highway in Tehama county. The amount of the low figure was $69,680.23. MacDonald, Poulos and McEwen of Sacramento were second low bidders at $70,535.60.

The work involves, among others, major items of approximately 142,500 cubic yards of unclassified excavation, 1,429 cubic yards excavation for structure, 106,000 station yards overhaul ,finishing 5.162 mi. earth graded road, 2,996 feet of corrugated galvanized metal pipe, 13 type A spillway inlets, 57 cubic yards of concrete, and 2,200 pounds of reinforcing steel.

Chief Engineer Strauss reported the completion of 14 units of the protective fender for the south pier to their final elevation of 15 feet above high water level. The remaining 8 units are concreted to a point 40 feet below water level and will remain at this elevation until the pier caisson is floated into place. This, according to Chief Engineer Strauss, will take place about October 10.

Prior to placing the caisson inside the fender oval divers are cleaning off the bottom within the enclosure and the work of pouring the concrete seal, which will level off the bottom inside the fender, will be commenced next week.

WAGES AGREED BY AREA BOARD IN BUTTE CO.

Scale Will Be Forwarded To Code Authority For Approval

A wage agreement for building trades in the Butte county area has been reached, according to an announcement from a collective bargaining board at Oroville composed of seven craft labor representatives and seven contractors. The agreement will be sent to the Construction Cofe Authority for approval.

A five-day week and seven-hour day has been adopted.

The wage scale follows:

Carpenters, $1 per hour; plumbers, $1 per hour; painters, $1; electricians, $1; sheet metal workers, $1; laborers, $4.50 per day; bricklayers, $10 per day; plasterers, $10; stonemasons, $10, and tilesetters, $10.

The roofers' and lathers' wage scales of $8 per day were referred back to the craftsmen for reconsideration by the bargaining board.

The members of the builders' exchange on the bargaining board are: F. M. Savage, plumber; A. E. Treichler, sheet metal contractor; W. W. Fulkerson, plastering contractor; R. E. Warmack, electrician Milo Stram, general contractor; C. W. Weimer, painting contractor, and Wm. Hemstalk, bricklayer.

The building crafts are represented on the board by Frank Van Brunt, W. W. Huntoon, F. M. Hunter, Joseph Bell, C. C. Tessier, C. Henderson and W. C. Barefoot.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
445	Rosenberg	Royal	1800
446	George's	Owner	1640
447	Donovan	Zinkand	3950
448	Murphy	Owner	3000
449	Sharboro	Owner	6000
450	Bauer	General	1000
451	Bird	DeBendette	1200
452	Sharboro	Owner	6000
453	Thomas	Wilbe	6000
454	Society	Lindgren	6000
455	Pickwick	Jensen	6000
456	Galu	Owner	1000
457	Simicich	Faggioni	4000
458	Leinweber	Owner	1000
459	Du Furcq	Owner	1800
460	Nelson	Owner	1500
461	Christen	Wilhelm	1350
462	Sari	Struthers	3000
463	Standard	Standard	3000
464	Matthews	Papenhausen	6000
465	General	.....	4000
466	Standard	Standard	3000
467	Connelly	Sbarboro	1500
468	General	.....	1000

ALTERATIONS
(445) NO. 1120 MARKET ST. Alter store.
Owner—Morris Rosenberg, 1126 Market St., San Francisco.
Architect—Not Given.
Contractor—Royal Showcase Co., 770 McAllister St. $1800

ALTERATIONS
(446) NO. 300 FAIRFAX ST. Alter tavern.
Owner—George's Shrimp Co., Prem.
Architect—Not Given. $1640

September 14, 1934

DWELLING
(447) N ELIZABETH ST. 130 E Castro St. Two-story and basement frame dwelling.
Owner — Catherine F. Donovan, 578 Elizabeth St., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Ed Zinkand & Son, 667 36th Ave., San Francisco. $3950

ALTERATIONS
(448) NE POLK AND FILBERT STS. Alter flats.
Owner—George D. Murphy, 1390 Filbert St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco. $3000

DWELLING
(449) W WEBSTER ST. 50 S Beach Two-story and basement frame dwelling.
Owner—Sbarboro & Jorgensen, 207 Walnut St., San Francisco.
Architect—Not Given. $6000

ALTERATIONS
(450) NO. 425 FRANCISCO ST. Alter malt building.
Owner — Bauer-Schweitzer Hop & Malt Co., 660 Sacramento St.
Architect—W. E. Murray, 908 Hayes St., San Francisco.
Contractor—General Pacific Co., 1106 Bryant St., San Francisco. $1000

ALTERATIONS
(451) NO. 60 FRANCIS ST. Alter dwelling.
Owner—Mr. and Mrs. William Bird, Premises.
Architect—Not Givtn.
Contractor — A. De Bendette & Son, 100 Brazil St., S. F. $1200

DWELLING
(452) W WEBSTER 75 S Beach St. Two-story and basement frame dwelling.
Owner — Sbarboro & Jorgensen, 207 Walnut St., San Francisco.
Architect—Not Given. $6000

DWELLING
(453) SE SANTA PAULA 214 NE San Jacinta; two-story and basement frame dwelling.
Owner—Herbert N. Thomas, 76 Terrace.
Architect—W. Garren. 233 Post St.
Contractor—A. J. Wilbe, 170 Colon. $6000

ALTERATIONS
(454) 2500 16th STREET; alter animal home and hospital.
Owner—Society for the Prevention of Cruelty to Animals.
Architect—D. D. Stone, 110 Sutter St.
Contractor—Lindgren & Swinerton, 625 Standard Oil Bldg. $6000

ALTERATIONS
(455) NE FIFTH and Mission Sts.; alter terminal.
Owner—The Pickwick Corp., 5th and Mission Streets.
Architect—W. P. Peugh, 333 Montgomery Street.
Contractor—G. P. W. Jensen & Son, 320 Market St. $6000

ALTERATIONS
(456) 2227-2229 BRYANT ST.; alter flats.
Owner—P. Galu, 2710 Mission St.
Architect—Not Given. $1000

DWELLING
(457) N INGERSON 250 W Jennings; 1-story and basement frame dwelling.
Owner—Tony Simicich, 1144 Ingerson.
Architect—Not Given.
Contractor—C. A. Faggioni, 1567 Revere. $4000

ALTERATIONS
(458) NO. 205 THERESA ST. Alter and move dwelling.
Owner—Carl H. Leinweber, 207 Theresa St., San Francisco.
Architect—Not Given. $1000

ADDITION
(459) NO. 5540 GEARY BLVD. Add to laundry.
Owner—Urbian Du Furcq, 5538 Geary Blvd., San Francisco.
Architect—Not Given. $1800

ALTERATIONS
(460) NO. 242 OCEAN AVE. Alter dwelling.
Owner—A. Nelson, Inc., Premises.
Architect—Not Given. $1500

REPAIRS
(461) NO. 1543 FULTON ST. Repair fire damage to flats.
Owner—H. C. Christen, 1427 Valencia St., San Francisco.
Architect—Not Given.
Contractor—A. M. Wilhelm, 666 Mission St., San Francisco. $1350

DWELLING
(462) S TINGLEY 50 E Cayuga Ave. One-story frame dwelling.
Owner—Primo and Lucy Sari, % Contractor.
Architect—Not Given.
Contractor — Marshall T. Struthers, 4250 Mission St., S. F. $3000

GREASING STATION
(463) NW 23rd ad VALENCIA; one-story Class A greasing station.
Owner — Standard Stations, Inc., 200 Bush Street.
Architect—Not Given.
Contractor—Standard Oil Co. of California, 225 Bush Street. $3000

DWELLING
(464) S SANTA MONICA Way 75 W Santa Paula; two-story and basement frame dwelling.
Owner—A. P. Matthews, % contractor.
Architect—Masten & Hurd, 233 Post.
Contractor—H. Papenhausen, 595 Victoria Street. $6000

SERVICE STATION
(465) SW FILBERT and Van Ness; one-story Class C service station.
Owner—General Petroleum Corp., Parr Terminal, Oakland.
Architect—H. M. Russell, % owner.
Contractor—Not Chosen. $4000

SERVICE STATION
(466) NW 23rd and VALENCIA; one-story Class A service station.
Owner — Standard Stations, Inc., 200 Bush Street.
Architect—Not Given.
Contractor—Standard Oil Co. of California, 225 Bush Street. $3000

ADDITION
(467) 155 RETIRO WAY; addition to dwelling.
Owner—Geo. Connelly, 155 Retiro Way.
Architect—Not Given.
Contractor—Sbarboro & Jorgensen, 207 Walnut St. $1500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
No.	Owner	Contractor	Amt.
364	Cardinet	Holyoake	1543
365	Coates	Kane	10000
366	Coates	Kane	1000
367	Ord	Owner	1000
368	Pressler	Owner	3500
369	Orio	Bristol	4000
370	Wilcox	Wooley	5450
371	Cloudman	Owner	5000
372	California	Kurtz	4500

WAREHOUSE
(364) NO. 2172 MARKET STREET. OAKLAND. One-story tile warehouse.
Owner—Cardinet Candy Co., Prem.
Architect—Not Given.
Contractor—A. Holyoake, 2839 East Ave., Hayward. $1543

DWELLING
(365) 1007 CRAGMONT, BERKELEY; two-story 10-room frame dwelling.
Owner—B. N. Coates.
Architect—B. R. Hardman, 206 Whitecotton Bldg., Berkeley.
Contractor—Harry E. Kane, 921 Ramona Ave., Berkeley. $10,000

GARAGE
(366) 1007 CRAGMONT, BERKELEY;
Owner—B. N. Coates.
Architect—B. R. Hardman, 206 Whitecotton Bldg., Berkeley.
Contractor—Harry E. Kane, 921 Ramona Ave., Berkeley. $1,000

ADDITION
(367) NO. 6565 CHABOT ROAD. OAKLAND. Addition.
Owner—W. D. Ord, Premises.
Architect—Not Given. $1000

DWELLING
(368) NO. 4162 LYMAN RD. OAKLAND. One-story 5-room dwelling
Owner—Walter Pressler, 1419 Excelsior Ave., Oakland.

DWELLING
(369) NO. 543 AILEEN ST., **OAKLAND.** Two-story 6-room dwlg.
Owner—John J. Orio.
Architect — Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Mark Bristol & Co., Inc., 1038 McKinley Ave., Oakland $4000

DWELLING
(370) NO. 458 MICHIGAN STREET, **BERKELEY.** Two-story 6-room frame dwelling and garage.
Owner—Wm. D. Wilcox, 2222 38th Ave., Oakland.
Architect — Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—B. F. Wooley, 3933 Fruitvale Ave., Oakland. $5450

DWELLING
(371) NO. 994 SPRUCE ST., **BERKELEY.** Two-story 8-room frame dwelling and garage.
Owner—H. C. Cloudman, 2236 Grant St., Berkeley.
Architect—Geo. P. Simonds, 192 Main St., Hayward. $5000

ALTERATIONS
(372) NO. 4499 PIEDMONT AVE., **OAKLAND.** Alterations.
Owner—California Crematorium, 4499 Piedmont Ave., Oakland.
Architect—Not Given.
Contractor—F. A. Kurtz, 364 41st St., Oakland. $4500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
85	Matthews	Papenhausen	6168
86	Sawtelle	Gladstone	8256
87	Donovan	Zinkand	5371
88	Cattermole	Lindgren	1282
89	Grethel	Lindgren	1145

DWELLING
(85) LOT 18 BLK 22 map St. Francis Wood Extension No. 2; two-story frame and plaster dwelling with attached garage.
Owner — Arthur P. and Minerva W. Matthews.
Architect—Masten & Hurd, 233 Post.
Contractor — Henry Papenhausen, 595 Victoria.
Filed Sept. 15, '34. Dated, Sept. 14, '34
Frame work completed.....25%
Brown coated 25%
Completion and acceptance.....25%
Usual 35 days.....25%
TOTAL COST, $6168.00
Bond, $3984. Sureties, C. W. Higgins, Robert Postler. Plans and specifications filed.

ALTERATIONS
(86) NO. 2027 BROADWAY. All work for alterations to frame dwelling and garage.
Owner — William H. and Mary M. Sawtelle, 2010 Broadway, San Francisco.
Architect—Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor — D. B. Gladstone, 557 Market St., San Francisco.
Filed Sept. 18, '34. Dated Sept. 15, 34.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $8256
Bond, $4128. Surety, Fireman's Fund Indemnity Co. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

DWELLING
(87) N ELIZABETH ST. 130 E Castro E 25xN 114 HA 159. Grading, excavating, carpenter work, etc., for two-story and basement frame dwelling.
Owner — Catherine F. Donovan, 478 Elizabeth St., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Ed. Zinkand & Son, 667 36th Ave., San Francisco.
Frame up and roof on.....$1342.75
Brown coat plaster on..... 1342.75
When completed 1343.00
Usual 35 days..... 1343.00
TOTAL COST, $5371.50
Bond, $2685.75. Sureties, Fred Walpert and M. S. White. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(88) S BAY 58 W Larkin W 25 S 82 WA 30; alterations and repairs.
Owner—John and Louise Cattermole, 915 Bay Street.
Architect—Not Given.
Contractor — Albin C. Lindgren, 346 Lowell Street.
Filed Sept. 19, '34. Dated Sept. 4, '34.
Ready for plastering.....$320.50
Plastering completed 320.50
Completion 320.50
Usual 35 days..... 320.50
TOTAL COST, $1282.00
Limit, 60 working days. Contract only filed.

ALTERATIONS
(89) 2525-2527 MISSION ST.: alterations and repairs.
Owner—Philip Grethel, 405 Waller St.
Architect—Not Given.
Contractor — Albin C. Lindgren, 346 Lowell Street.
Filed Sept. 19, '34. Dated Sept. 11, '34
Fill completed $286.25
Concrete work completed..... 286.25
Work completed 286.25
Usual 35 days 286.25
TOTAL COST, $1145.00
Limit, 15 days after Sept. 11. Contract only filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
50	Wilcox	Wooley	5450

DWELLING
(50) LOTS 54-55 BLK 6 Thousand Oaks Heights, Berkeley; one-story and a half frame dwelling.
Owner—Wm. D. Wilcox.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—B. F. Wooley, 3933 Fruitvale Ave., Oakland.
Filed Sept. 17, '34. Dated Sept. 5, '34.
Frame up $1362.50
1st coat of plaster..... 1362.50
Completion 1362.50
Usual 35 days..... 1362.50
TOTAL COST, $5450.00
Bond, $5450. Sureties, Fidelity & Deposit Co. of Maryland. Limit, ninety days. Plans and Spec. filed.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $75; 415 8th St.; owner, Jung Shuck, 415 8th St.
ALTERATIONS, $200; 1635 81st Ave., Oakland; owner, Ray D. Baird, 1826 Arcatraz Ave., Berkeley; contractor, M. J. Pierson, 680 35th St.
SIGN, electric, $75; 1950 Fruitvale Ave., Oakland; owner, Guys Pharmacy, Premises; contractor, Elec. Prod. Corp., 950 30th St.
DWELLING, one-story 3-room, $800 4751 Fair Ave., Oakland; owner, C. Hearl, Premises.
ADDITION, $150; 4615 West St., Oakland; owner, C. Accomasso, 4615 West St.
ADDITION, $350; 3611 Hopkins St., Oakland; owner, Lloyd R. Brown, Walnut Creek.
BILLBOARD, $10; 4242 E-14th St., Oakland; owner, Ralph Kellum, Premises.
SIGN, electric, $75; 2601 35th Ave., Oakland; owner, J. H. Marcham, 2601 35th Ave.; contractor, Elec. Prods. Corp., 950 30tht St.
SIGN, electric, $250; 3411 Lakeshore Avenue, Oakland; owner, Stiers Liquor Store; contractor, Electric Prod. Corp., 950 30th St.
ALTERATIONS, $65; 1009 E-14th St., Oakland; owner, Fred Hymes, Premises.
ALTERATIONS, $200; 472 20th St., Oakland; owner, Ruud Heater Co., 472 20th St.; contractor, Harold L. Paige, 5651 Oak Grove Ave.
ADDITION, $200; 9720 Thermal St., Oakland; owner, James F. Best, 9720 Thermal St.
ADDITION, $200; 3274 Coolidge Ave., Oakland; owner, Wm. Brown, 3274 Coolidge Ave.
SIGN, electric, $200; 3112 35th Ave., Oakland; owner, Grazers, Prem.; contractor, Cahill Neon Displays, 427 E-12th St.
SIGN, eleceric (2) $300; 2297 E-14th St., Oakland; owner, Guys Drugs, Premises; contractor, Elec. Prod. Corp., 950 30th St.
ALTERATIONS and addition, $310; 5430 Normandie Ave., Oakland; owner, A. C. Reheiser, Premises.
SIGN, electric, $250; 2321 Telegraph Ave., Oakland; owner, Po Kwong Shew, Premises; contractor, Radiant Neon Display, 2561 San Pablo Ave.
SIGN, electric, $80; 1430 San Pablo Ave., Oakland; owner, Turners Smoke Shop; contractor, C. G. Cole, 1131 8th Ave.
ALTERATIONS, $200; 2523 Webster Street, Berkeley; owner, P. W. Stamps, Premises.
ALTERATIONS, $165; 2420 Channing Way, Oakland; owner, Schultz; contractor, Bert Underwood, 1952 Hopkins St.
REPAIR fire damage, $900; 2540 College Ave., Berkeley; owner, Mercantile Mortgage Co., Syndicate Bldg., Oakland; contractor, A. H. Rose, 70 Buckele St., Oakland.
REPAIRS, $250; 4944 Mountain Blvd., Oakland; owner, Jenning Pierce, 4944 Mountain Blvd.
ALTERATIONS, $50; 2550 San Pablo Ave., Oakland; owner, Cammarota Bros., 2550 San Pablo Ave.
REPAIRS, $12; 624 Mariposa Avenue, Oakland; owner, H. A. Schary, Premises.
RESHINGLING, $100; 2700 Abbey St. Oakland; owner, Gertrude Witzke Premises
ALTERATIONS, $25; 416 3rd Street, Oakland; owner, Chas. Reuter, 416 3rd Street.
SIGN, metal, $10; S 25th St. adjoining fire house, $10; Levin's Auto Supply Co., 6495 Broadway; contractor, Hamilton Sign Co., 2073 Franklin St.
SIGNS, cloth (2), $50 each; 1401 Clay St.; owner, City Hall Market of Oakland, 1401 Clay St.; contractor, Hickish Sign Co., 1727 E-12th Street.
SIGN, metal, $15; 4712 E-14th Street, Oakland; owner, Frederick Realty Co., Premises; contractor, R. E. Selden, 597 19th St.
SIGN, cloth, $15; 2091 Broadway, Oakland; owner, Daugherty School of Hairdressing; contractor, Paul Neth, 2108 Telegraph Ave.
RE-ROOF, $125; 6125 Canning Street, Oakland; owner, Mrs. F. Hannush, Premises; contractor, R. Brown, 740 59th St.
RE-ROOF, $52; 5758 Broadway, Oakland; owner, R. F. Myer, Prem.; contractor, W. H. Wakering, 3901 Lyman Road.
ADDITION, $150; 9657 D St., Oakland; owner, Mrs. J. Olivera, 9657 D St.
ADDITION, $100; 2584 Hopkins St., Oakland; owner, C. B. Strand, 2584 Hopkins St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
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4.—Factories and Warehouses
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6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Materials

1— APARTMENTS

Contract Awarded.
ADDITION Cost, $2500
SAN FRANCISCO. Twenty-fifth and York Streets.
Add one three-room and bath apartment to present two-story frame and stucco apartment building.
Owner—G. Crasto.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Contractor—C. Carraro, 750 Felton St., San Francisco.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Architect Gilbert S. Underwood, 3170 Lake Hollywood Drive, commissioned to prepare plans for completion of a Class A apartment building at 410 N. Rossmore, for an eastern syndicate. Grossman & Joseph, 448 S. Hill St., owners' agents. The building will be a seven-story structure with garage basement. Cost, $250,000.

Contracts Awarded
REHABILITATE APTS. Cost, $——
OAKLAND, Alameda Co., Cal. 1426-1444 Third Avenue.
Rehabilitation of 4 apartment buildings (work involves painting, electrical work, plumbing, roofing, sheet metal, etc.)
Owner—Capital Co., 625 Market St., San Francisco.
Plans by Construction Department of Owner.
Plumbing—L. J. Kruse, 6247 College Ave., Oakland.
Painting—Balboa Painting Co., 3619 Balboa St., San Francisco.
Electric—Scott - Buttner Co., 19 Grand Ave., Oakland.

2— BONDS

BOND SALE VOID

SONOMA COUNTY, Cal.—Sale of a block of $160,000 bonds of the Analy High School District to R. H. Moulton Co., San Francisco, has been cancelled by the Sonoma County Board of Supervisors due to a flaw in the bond election proceedings. The successful bidders for the issue asked that the sale be declared void after attorneys reported the notice of election had been advertised only 18 days instead of 21. Suit will be instituted to validate the issue and a new call for bids will be authorized.

Proceeds were to be used in construction of the Analy Union High School building.

3— CHURCHES

Planned
CHURCH Cost, $——
WOODLAND, Yolo Co., Calif.
Rebuild church recently destroyed by fire.
Owner—St. John's Evangelical Church (Rev. Carl Saenger, Pastor).
Architect—Not Selected.
Further details will be announced when insurance is adjusted.

LOW BIDDER

LOS ANGELES, Cal. — Escherich Bros., 234 W. 37th Place, submitted low bid and will be awarded contract for erection of a chapel building at St. Paul's Cathedral, located on Figueroa St., between 6th and 7th Sts. Will be of reinforced concrete construction, one and part two stories, 87x42 feet in area, tile roofing, wood roof trusses, steel sash, cement floors, leaded glass and stained glass windows. Will contain Chapel, sanctuary, choir, choir oom, vestry room, basptistry and brides room, narthex, etc. The furnishing will include carved wood pulpit, hardwood furniture and doors, carved wood pews, etc. Carleton M. Winslow, 1001 Architects' Bldg., Architect.

Steel Sash Contract Awarded
RECTORY Cost, $25,000
VALLEJO, Solano Co., Cal. Sacramento St. bet. Florida and Kentucky Streets.
Two - story and basement frame and brick veneer rectory (18 rooms) steam heating system, slate or composition shingle roof.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and 10th Sts., San Francisco.
Other awards reported Aug. 22.

4 — FACTORIES & WAREHOUSES

PLANS BEING FIGURED

LOS ANGELES, Cal.—Until Sept. 24 bids will be received by Architects Norstrom & Anderson, Transamerica Bldg., Los Angeles, for a one-story store building to be built at the corner of Fletcher Drive and San Fernando Road for Van der Kamp's Bakeries. The building will be of frame and stucco, Class D construction, 45x100 feet in area; tile and composition roofing, structural steel tower, windmill, trough lighting fixtures, steel sash, cement and asphalt tile floors, plate glass, ornamental iron, sheet metal. The building will contain a retail store, cafe and doughnut factory.

PLANS COMPLETED

LOS ANGELES, Cal. — Grant & Bruner, 607 Ferguson Bldg., have completed engineering and architectural plans and have the contract to erect an addition to baking plant at 8800 Venice Blvd., Los Angeles, for Helms Bakeries. The structure will be one-story, 95x178 feet, with reinforced concrete walls, wood roof trusses, wood roof, composition roofing, concrete floors, sprinkler system, etc., and will be used for additional loading and raw storage facilities. Cost, $25,000.

Additional Sub-Contracts Awarded.
BULKHEAD BLDG. Contract Price, $68,487
SAN FRANCISCO. Waterfront bet. Piers 38 and 40.
Bulkhead building (2-story steel frame timber wall, stucco front, tar and gravel roof, (40x450 ft.) to be built over existing pile foundation and concrete deck; contract will involve some additional untreated concrete-jacketed piling.
Owner — State of California (Harbor Commission), Ferry Bldg.
Engineer — Frank G. White, Ferry Bldg., San Francisco.
Contractor — F. C. Amoroso & Sons, Wallace and Keith Sts.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.
Lumber — South City Lumber Co., South San Francisco.
As previously reported, structural steel and miscellaneous iron awarded to McClintic Marshall Co., 20th and Illinois Sts.; piling to Duncanson Harrelson Co., deYoung Bldg.

Contract Awarded
ADDITION Cost, $3000
SAN JOSE, Santa Clara Co., Cal. Taylor near Eighth Street.
Addition to industrial building.
Owner—Continental Can Co., Premises
Plans by Contractor.
Contractor—Austin Co. of California, 777 E. Washington St., San Jose.

Prospective Bidders
SHEDS Cost each, $3000
STOCKTON, San Joaquin Co., Calif. Stockton Harbor.
Two one-story gear sheds (30x62 feet each) galvanized siding, automatic sprinkler system, wood frame, concrete floors, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner, City Hall, Stockton.
Following have procured plans. Bids close Sept. 25, 4 P. M.:
J. C. Meyer, Market and Anteros Streets.
C. H. Dodd, 1738 W. Rose St.
John Hackman, Farmington Rd. and Walker.
R. E. McKee, P. O. Box 289, Stockton.
Ecker Bros., 17 W. Poplar St.
F. Kaus, 2726 E. Main St.
Eddy Electric Co., 309 E. Webster.
O. H. Chain, 41 S. Sutter St.
Home Wiring Co., 522 E. Washington Street.
J. C. Nunley, 1735 W. Rose Ave.
Grinnell Co. of the Pacific, Fifth and Brannan Sts., San Francisco.
All bidders of Stockton unless otherwise specified.
Plans and specifications may be obtained from City of Stockton Port office.

BIDS WANTED

DOUGLAS COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregan State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for the construction of a frame maintenance building, 32 ft. by 96 ft., in the City of Roseburg, Douglas County. State Project.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

COMPLETING PLANS

ESCONDIDO, San Diego Co., Cal.—Architect W. W. Ache, 1616 4th Ave., Los Angeles, is completing working

drawings for a new orange and grape fruit packing house to be built in Escondido for the Escondido Orange Association; W. L. Carson, manager. The building will be a one-story and basement structure, 120x300 ft. in area, reinforced concrete walls, steel or wood roof trusses, composition roofing, steel sash, concrete or maple floors, etc. Bids will probably be taken in about one week. Cost, $150,000.

Bids Wanted—To Close October 10, 7:30 P. M.
SHOP Cost, $7000
MODESTO, Stanislaus Co., Cal. 8th and L Streets.
One-story machine and repair shop.
Owner—City of Modesto.
Plans by City Engineer, Modesto.
Plans and specifications may be obtained from the City Engineer. Certified check for 10% of amount bid required with bids.

Sub-Contracts Awarded.
WAREHOUSE Cost, $27,000
SAN FRANCISCO. Ninth Street near Howard Street.
Three-story Class C loft building (concrete frame, wood joist floor, composition roof).
Owner—L. A. Myers, % Contractor.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Structural Engineer — Hyman Rosenthal, 821 Market St., San Francisco
Contractor — Jacks & Irvine, 74 New Montgomery St., S. F.
Plumbing — James H. Pinkerton, 927 Howard St., San Francisco.
Ornamental Iron — F. Kern & Sons, 517 Sixth St., San Francisco.
Wood Roof Trusses — Summerbell Truss Co., 354 Hobart St., Oakland.
As previously reported, steel sash and doors awarded to Soule Steel Co., 1750 Army St.; reinforcing steel to W. S. Wetenhall, 17th and Wisconsin Sts.

Contract Awarded
DIST. PLANT Cost, $40,000
RICHMOND, Contra Costa Co., Calif. Outer Harbor.
Distributing plant (comprising steel storage tanks, corrugated iron warehouse, etc.)
Owner—Mohawk Oil Co. 405 Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—E. J. Freethy, 1301 Roosevelt Ave., Richmond.

Contract Awarded
REPAIRS Cost, $11,400
FRESNO, Fresno Co., Calif. Orange and Railroad Streets.
Repairs to warehouse.
Owner—Fresno Compress and Warehouse Co., Orange and Railroad Sts., Fresno.
Plans by Engineering Dept. of Owner.
Contractor—J. T. Cowan, 433 Roosevelt St., Fresno.

Project Abandoned
REMODEL BREWERY Cost, $150,000
OAKLAND, Alameda Co., Calif. 26th and Adeline Streets.
Alterations to bldg. for modern brewery (new equipment, etc.)
Owner—Wunder Brewing Co., 2119 Linden St., Oakland (J. A. Tieronemus, President).
Engineer—A. R. McLaren, 611 Howard St., San Francisco.

Site Purchased
MILK PLANT Cost, $——
STOCKTON, San Joaquin Co., Calif. South of Boggs Tract (20 acres) construct milk distributing plant and condensary (capacity of 7,000 gallons per day).
Owner—Morning Milk Co., Wellesville, Utah (Geo. B. Lockhart, Pres.)
Architect—Not Given.
Further details will be announced shortly.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 425 Francisco Street.
Alterations to mait building.
Owner — Bauer-Schweitzer Hop & Malt Co., 660 Sacramento St.
Engineer — W. E. Murray, 908 Hayes St., San Francisco.
Contractor—General Pacific Co., 1106 Bryant St., San Francisco.

PLANS COMPLETE
UPLAND, San Bernardino Co., Cal. —Architect W. W. Ache, 1616 4th Ave., Los Angeles, has completed working drawings and bids will be taken in about two weeks for a packing plant to be built at Upland for the Upland Lemon Growers Assn. Will be an L-shaped structure, 318x245 and 100x111 feet in area, concrete walls, composition roofing, concrete floors, steel sash, cement basement, receiving, washing, and packing facilities, etc. Cost, $100-000.

PREPARING PLANS
LOS ANGELES, Cal. — Grant & Burner, 607 Ferguson Building, are preparing engineering and architectural plans for addition to baking plant at 8800 Venice Blvd., Los Angeles, for Helms Bakeries. The structure will be one-story, 95x178 feet, with reinforced concrete walls, wood roof trusses, wood roof, composition roofing, concrete floors, sprinkler system, etc., and will be used for additional loading room and raw storage facilities. Cost, $25,000.

BIDS WANTED
WALLOWA COUNTY, Oregon — Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for the construction of frame maintenance building 32 ft. by 72 ft. in the City of Enterprise, Wallowa County. State Project.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

Contract Awarded.
WAREHOUSE Cost, $——
SANGER, Fresno Co., Cal.
One-story warehouse (60 x 120 feet); flat truss roof, cement floor, corrugated steel sides, Johns Manville built-up roof, etc.
Owner — Sanger Citrus Association, (R. J. Senior and F. Wyman, Sanger.
Architect—Not Given.
Contractor — William Hopkins, 1837 Merced St., Fresno.

Plans Being Figured.
ALTER MARKET Cost, $——
OAKLAND, Alameda Co., Cal. Fourteenth, Fifteenth and Clay Sts.
Alterations to Taft & Pennoyer building for food market (three-story structure; new front, partitions, cabinet work, etc); 75,000 sq. ft. of floor space.
Owner—City Hall Market Corp. (T. C. Mauvais, President).
Architect—Not Given.
Bids are being received by George M. Davis, Vice-President of the City Hall Market Corporation, at the office of Fred T. Wood Co., Agents, 1727 Franklin St., Oakland.

5— FLATS

To Be Done By Day's Work.
ALTERATIONS Cost, $3000
SAN FRANCISCO. NE Polk and Filbert Streets.
Alterations to frame flats.
Owner—George D. Murphy, 1390 Filbert St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $1500
SAN FRANCISCO. 1543 Fulton St.
Repair fire damage to flats.
Owner—H. C. Christen, 1427 Valencia.
Architect—Not Given.
Contractor—A. M. Wilhelm, 666 Mission Street.

6—GARAGES & SERVICE

To Ask Bids Within One Week.
SERVICE STATION Cost, $10,000
BERKELEY, Alameda Co., Cal. 1201-1203 Grove St. (between Yolo and Hopkins Streets).
Super-service station, Spanish style architecture, brick, tile roof, steel sash.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Contract Awarded
GARAGE Cost, $5275
KING CITY, Monterey Co., Cal. High School Grounds.
One-story bus garage.
Owner—King City Union High School District.
Architect—Chas. E. Butner, 51 Maple St., Salinas.
Contractor—R. J. Bruce, 412 Lynn St., King City.

Planned
SERVICE STATION Cost, $——
ALAMEDA, Alameda Co., Calif. SW Park St. and Lincoln Ave.
Construct new service station.
Owner—Mrs. Margaret Conneau.
Architect—Not Given.
City Council has approved ordinance to rezone property.

Sub-Contracts Awarded.
SERVICE STATION Cost, $11,000
MONTEREY, Monterey Co., Cal. SE Del Monte Ave. and Washington Street.
Brick service station, stucco work, etc.)
Owner — Standard Oil Co., St. Claire Bldg., San Jose.
Plans by Engineering Dept. of Owner.
Contractor—M. J. Murphy, Carmel.
Plumbing — Barton-Oil-O-Matic, 635 Cass St., Monterey.
Electric—Tice Electric Shop, 479 Alvarado St., Monterey.
Roofing—C. L. Frost, 165 Webster St., Monterey.
Plastering — George J. Turner, 409 Grand Ave., Pacific Grove.

Plans Completed.
SERVICE STATION Cost, $7000
SAN FRANCISCO. NW Twenty-third and Valencia Streets.
One-story Class A service station and greasing station.
Owner—Standard Stations, Inc., 200 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

Plans Completed.
SERVICE STATION Cost, $5000
SAN FRANCISCO. SW Filbert St. and Van Ness Avenue.
One-story Class C service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

7—FEDERAL BUILDING

Sub-Contracts Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor — Great Lakes Constr. Co.,

333 N. Michigan Ave., Chicago.
Key Cabinets and Markers—Trask & Squires, 39 Natoma St., San Francisco.
Other awards previously reported.

BIDS OPENED

EUREKA, Humboldt Co., Cal.—H. F. Haverkamp, 1127 Folsom St., San Francisco, at $678 submitted low bid to Public Works Officer, Mare Island Navy Yard, for furnishing and installing aviation warning lights on two radio towers (one 300 ft. and one 125 ft. high) at the Naval Direction Finder Station, Table Bluff (Eureka), California. Work also includes lighting fixtures, walkways on towers, cables supported on tower structure and buried underground from tower base to power house with control switch, etc. Specification No. 7755. Complete bids follow:

H. F. Haverkamp, S. F.	$ 678.00
Baker & Crosby, Eureka	972.48
Eureka Elec. Radio Co., S.	995.00
T. L. Rosenberg, Oakland	1025.00

BIDS WANTED

HONOLULU, T. H.—Until October 12, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for installing a sprinkling system in the United States immigration station at Honolulu, T. H. Plans and specifications may be obtained from the Treasury Department in Washington or from the custodian of the building in Honolulu; no deposit required.

Prospective Bidders.

POST OFFICE Cost, $59,400
LA JOLLA, San Diego Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids open October 12, 1 P. M.
Frank L. Stimson Constr. Co., 1111 Wall St., La Jolla.
Wm. MacDonald Constr. Co., St. Louis, Mo.
Herbert M. Baruch Corp., Los Angeles.
Lindberg - Richter., Co., Oceanport, New Jersey.
Herbert Hanson, 9315 S. Hooper St., Los Angeles.
M. H. Golden, 404 California Bank Bldg., San Diego.
S. W. Rindfleisch, Milwaukee, Wis.
The Steel Constr. Co., Birmingham, Alabama.
Murch Bros. Constr. Co., St. Louis, Mo.
Cut Stone Association of Indiana, Bloomington, Ind.
Gunner Johnson, 2521 23rd St., San Diego.
K. E. Parker Co., San Francisco.
L. F. Dow Co., Los Angeles.
N. A. Anderson, 4307 Van Buren Place, Los Angeles.
Olmstead Bldg. Co., 1847 Hancock St., San Diego.
Plans and specifications may be obtained from the Treasury Department, Washington, D. C., upon deposit of $15.

Prospective Bidders

POST OFFICE Cost, $56,700
HILLSBORO, Oregon.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open October 9:
Mohn Bros., Hillsboro, Oregon.
Ross B. Hammond, Portland, Ore.
Libbey & Libby Co., 244 2nd Ave. S. Minneapolis, Minn.
S. W. Rindfleisch, Milwaukee.
K. E. Parker Co., San Francisco.
Oliver S. Almlie, San Francisco.
Hoffman Const. Co., 715 S. Columbia St., Portland, Ore.
Roy O. Powers, 334 Worcester Bldg., Portland.
Lindberg Richter Co., Oceanport, New Jersey.
The Steel Const. Co., Birmingham, Alabama.

Prospective Bidders

POST OFFICE Cost, $61,600
HOOD RIVER, Oregon.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open Sept. 28:
Joseph E. Anderson, 3122 NE. 69th St., Portland, Ore.
Hoffman Const. Co., 715 S. Columbia St., Portland, Ore.
K. E. Parker Co., San Francisco.
S. W. Rindfleisch, Milwaukee, Wis.
Murch Bros. Const. Co., St. Louis.
Oliver S. Almlie, San Francisco.
Libbey & Libby Co., 244 2nd Ave. S. Minneapolis, Minn.
The Steel Const. Co., Birmingham, Alabama.

Prospective Bidders

POST OFFICE Cost, $73,700
REDONDO BEACH, Calif.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids open Oct. 12:
Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis.
Schuler & McDonald, Inc., Oakland.
Murch Bros. Const. Co., St. Louis.
Harold Hanson, 1985 N. Flores St., Hollywood.
The W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.
Herbert M. Baruch Corp., 625 South Olive St., Los Angeles.
Mechanical Engr. Service, 1315 H St. N. W., Washington, D. C.
The Steel Const. Co., Birmingham, Alabama.
Plans and specifications may be obtained from above office upon deposit of $15.00.

Bid Opening Date Postponed Until October 12, 1 P. M.

ADDITION Cost, $——
SAN FRANCISCO. Fourteenth Ave. and Lake St. (Marine Hospital).
Construct addition to Plague laboratory.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans:
M. E. Vukicevich, 666 Mission St.
Alfred H. Vogt Co., 250 11th St.
Wm. Spivock, Hobart Bldg.
Libbey & Libby Co., 24 2nd Ave. S. Minneapolis, Minn.
All of San Francisco unless otherwise noted.

BIDS OPENED

SAN DIEGO, Cal.—Acme Ornamental Iron Works, 1456 J St., San Diego, submitted low bid to Eleventh Naval District at San Diego at $2478, for replacement of steel platform plates at tops of three 600-foot radio towers at the Naval Operating Base (Chollas Heights Radio Station), San Diego; Specification 7738. Work consists of removal of existing deck plates on cat walks at tops of towers and provisions and installation of new plates and appurtenances to relace ones removed. New plates shall be bolted with new bolts throughout. Work also includes shop and field painting of the new materials. Other bids were: Consolidated Steel Corp., $4600; Pacific Iron & Steel Co., $5250; George Hess, $5870.

Plans Being Figured—Bids Close Oct. 9th.

POST OFFICE Cost, $56,700
HILLSBORO, Oregon.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans:
Harry Boyer Son & Co., Olympia, Wash.
Mechanical Engr. Service, Washington, D. C.
W. F. Jackson Co., Washington, D. C.
Construction Council of Tacoma, Tacoma, Wash.
Cut Stone Association of Indiana, Bloomington, Ind.

PLANNED

PALO ALTO, Santa Clara Co., Cal.—Treasury Department has authorized expenditure of $475 to cover cost of building three outside stairways to be used as fire escapes at the Federal building in Palo Alto.

BIDS REJECTED

FORT LEWIS, Wash.—Constructing Juartermaster, Fort Lewis, rejected bids for the completion of 18 noncommissioned officers' quarters at Ft. Lewis. Work will be done by day's labor and force account.

Prospective Bidders

POST OFFICE Cost, $56,300
MONTESANO, Washington.
United States post office building.
Owner—United States Government.
Plans by Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the Treasury Department, Washington, D. C.
Following have procured plans. Bids Close Sept. 25:
H. S. Wright Const. Co., Rainier Bldg., Seattle.
S. W. Rindfleisch, 220 N. Broadway, Milwaukee, Wis.
Libbey & Libby Co., 224 Second Ave. South, Minneapolis, Minn.
Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis, Mo.
Harry Boyer Sons Co., Olympia, Washington.
Clark & Early, 201 Washington Blvd. Tacoma, Wash.

LOW BIDDER

OAKLAND, Cal.—Fred J. Early, Jr., 369 Pine St., San Francisco, at $5150 submitted low bid to Treasury Department, Washington, D. C., for construction of additions and changes on the first floor and basement of the U. S. Post Office building and Custom House in Oakland. Following are three low bids received:

Fred J. Early Jr., S. F.	$5150
Schuler & McDonald, Oakland	5470
Louis C. Dunn, S. F.	6735

Complete bids will be published shortly.

Plans Being Figured—Bids Close Sept. 28.

POST OFFICE Cost, $61,600
HOOD RIVER, Oregon.
United States Post Office Building.
Owner—United States Government.
Plans by Sup. Architect, Treasury Department, Wasnington, D. C.
Following have procured plans:
Cut Stone Association of Indiana, Bloomington, Ind.
Mechanical Engr. Service, 1315 H St., N. W., Washington, D. C.
Construction Council of Tacoma, Tacoma, Wash.
W. F. Jackson Co., Denrike Bldg., Washington, D. C.
Harry Boyer Son & Co., Olympia, Washington.

BIDS WANTED

PEARL HARBOR, T. H.—Until Oct. 17, 11 A. M., bids will be received by the District Public Works Officer, 14th

Naval District, Pearl Harbor, T. H., under Spec. No. 7704, for the construction of a sprinkler system for the Storehouse Extension at the Naval Fleet Air Base (Ford Island), Pearl Harbor.

The work includes providing and installing two complete automatic wet pipe sprinkler systems in the storehouse extension.

Specifications ad drawings obtainable from the Chief of the Bureau of Yards & Docks, Navy Dept., Washington, D. C., or from Commandant, 12th Naval District, 100 Harrison St., San Francisco; or from the Commandant, 14th Naval District, Pearl Harbor, T. H.

BIDS OPENED

MARYSVILLE, Yuba County, Cal.—Frank McCollum, Yuba City, at $99.45 submitted low bid for the installation of railings on front steps and entrance to post office building at Marysville. Complete bids follow:

Frank McCollum, Yuba City.....$ 99.45
J. Crowther, Marysville..... 122.00
Federal Orn. Iron & Bronze Co., San Francisco 162.00

Bids held under advisement.

SITES SELECTED

WASHINGTON, D. C.—Treasury Department has selected sites in the following cities for U. S. post office buildings: Puyallup, Wash.; Proser, Wash.; Glendive, Mont.; Wheatland, Wyo.; McMinnville, Ore.; Dillon, Mont. Gilette, Wyo.; Worland, Wyo.; Kelso, Wash.; Blackfoot, Idaho. Plans for most of these projects are on boards in office of the supervising architect at Washington. 7

BID OPENING DATE POSTPONED

COMPTON, Los Angeles Co., Cal.—Until Oct. 19, 2 P. M. (opening date postponed from Oct. 5) bids will be received by Board of Public Building Reconstruction at 601 S. Acacia St., Compton, for construction of administration and auditorium building on the Compton Junior College site. Separate bids will be taken for the general work, plumbing, electric wiring and the heating and ventilating. Plans and specifications may be obtained at 311 State Bldg., Los Angeles, upon deposit of $25. The building will be a two-story structure, 190x225 feet in area, with a stage 40x95 ft.; reinforced concrete construction, structural steel, tile and composition roofing, waste moulds, fluted pilasters, steel sash, steam heating system, frame and plaster arcades, cement walks, etc. Cost estimated at $300,000 to $350,000. John C. Austin and Frederic M. Ashley, 608 Chamber of Commerce Bldg., Los Angeles, architects.

LOW BIDDER

SAN DIEGO, Cal.—M. Greenberg's Sons, 765 Folsom St., San Francisco, submitted low bid to Navy Department, Bureau of Supplies and Accounts, August 31, at $421.74, for furnishing plate glass mirrors for San Diego and Puget Sound, Schedule 3120. C. & R., Lot 372.

Plans Being Figured — Bids Close October 9.

BUILDINGS Cost, $35,000
GRAND CANYON, Ariz. National Pk.
Group of buildings, including Post Office building, four residences, fire equipment storage building, etc. (All to be of wood frame and natural stone construction).
Owner—United States Government.
Plans by National Park Service, 525 Market St., San Francisco.
Plans and specifications may be obtained from Supt. at Grand Canyon and from National Park Service, 525 Market St., San Francisco, upon deposit of $15.

BIDS WANTED

LAS VEGAS, Nevada — Until Oct. 10, 10 A. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for metal counters, etc., at the U. S. Post Office at Las Vegas, Nevada.

Specifications may be obtained from the above office and from the Custodian of the building at Las Vegas, Nevada.

BIDS WANTED

PALO ALTO, Santa Clara Co., Cal.—Until October 2, 10 A. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Palo Alto. Specifications may be obtained from above office and from the Custodian of the Building, Palo Alto.

Complete Bids.

POST OFFICE Cost, $72,600
SAN FERNANDO, Los Angeles Co., Cal. Celis St. and Maclay Ave.
One-story reinforced concrete Post Office Building.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect.
Low Bidder—Sarver & Zoss, Inc., 1015 W. Fourth St., Los Angeles.
Complete bids follow:
(1) add.

Sarver & Zoss, Los Angeles.....	$46,700	
	(1)	200
Schuler & McDonald, Oakland	46,437	
	(1)	500
W. L. Snook, Santa Barbara....	47,700	
	(1)	.....
Campbell Constr. Co., L. A.....	49,091	
	(1)	100
Wm. MacDonald Constr. Co., St. Louis	51,617	
	(1)	.....
F. L. Dow Co., Los Angeles.....	51,617	
	(1)	.....
M. A. Anderson, Los Angeles....	53,761	
	(1)	.....
Theo. A. Beyer Corp., L. A.....	55,142	
	(1)	100

Bids held under advisement.

BIDS WANTED

CEDAR CITY, Utah—Until October 3, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Cedar City, Utah. Specifications may be obtained from the above office and from the Custodian of the Building, Cedar City, Utah.

BIDS OPENED

SAN JOSE, Santa Clara Co., Cal.—Aeroshade Co., Waukesha, Wis., at $368 submitted low bid to Post Office Supply Dept., Washington, D. C., for wood slat shades for the San Jose post office. Proposal No. 595.

PROSPECTIVE BIDDER

ORANGE, Orange Co., Cal.—K. E. Parker Co., 135 South Park St., San Francisco, has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C. on Oct. 12 for the construction of the U. S. post office at Orange.

PROSPECTIVE BIDDER

MONTESANO, Wash.—Rapp Engr. & Const. Co., 3985 Glencross Avenue, Cincinnati, Ohio, have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Sept. 25 for the construction of the U. S. post office in Montesano, Wash.

Prospective Bidders.

POST OFFICE Cost, $68,200
PITTSBURG, Contra Costa Co., Cal. Fifth and Cumberland Streets.
United States Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids open October 4.
Harry J. Oser, Hobart Bldg., San Francisco.
W. F. Jackson Co., Denrike Bldg., Washington, D. C.
Oliver S. Almlie, 60 Sussex St., San Francisco.
Wm. Spivock, Hobart Bldg., San Francisco.
Schuler & McDonald, Inc., Oakland.
Le Roy Services, 165 Jessie St., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.
S. W. Rindfleisch, 220 N. Broadway, Milwaukee, Wisc.
The Steel Constr. Co., Birmingham, Alabama.

BIDS OPENED

STERLING, Colo.—C. R. Peterson, Denver, at $1,648 submitted low bid to Treasury Department, Washington, D. C., for painting plastering, etc., in the U. S. post office and Court house at Sterling. Complete bids follow:

C. R. Peterson, Denver.....$1,648
Fred Edgar, Central City, Neb..... 1,670
Smythe & Co., Washington, D. C. 1,876
Chas. W. Brown, Sterling..... 2,472
The Sterling Lbr. Co., Sterling.... 2,795
D. J. Inman, Danville, Ill..... 3,406

Additional Prospective Bidders

POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara County, Calif. SW Franklin and Jackson Streets.
One - story post office building (concrete walls, comp. roof, steel sash, one-pipe steam heating system) 60 by 60 feet.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids close Sept. 27:
Schuler & McDonald, Inc., 1723 Webster St., Oakland.
Acme Const. Co., 301 Evergreen Ave. San Francisco.
The Steel Const. Co., Birmingham, Ala.

8— CLUB BUILDINGS

PREPARING PLANS

NORTH HOLLYWOOD, Los Angeles Co., Cal.—Architect J. A. Murrey, 6362 Hollywood Blvd., is preparing plans for a one- and part two-story club house to be built in North Hollywood for North Hollywood Post No. 307, American Legion. The building will contain an auditorium and stage, office, kitchen, lounge, court and toilets. Construction will be of frame and stucco, tile and composition roofing, cement, maple and oak floors, ornamental iron grilles and gate. The structure will cover an area of 116x50 feet. E. G. Testa is chairman of the building committee. Labor and materials will be donated.

Contracts Awarded

ALTER PAVILION Cost, $——
ARCATA, Humboldt Co., Cal.
Alterations to pavilion for firemen.
Owner—Arcata Fire Department.
Architect—Not Given.
Contractor—C. H. Rylander.
Plumbing—J. F. Naye, Arcata.
Electric—A. Brizard, Inc., Arcata.
Painting—George Rees, Arcata.

SKETCHES PREPARED

EL CAPITAN, Santa Barbara Co., Ca.—Architect Carlton W. Winslow, 1001 Architects' Bldg., Los Angeles, has prepared sketches for a mountain lodge to be built near El Capitan, Santa Barbara County, for Geo. O. Knapp. The lodge will be frame con-

struction, wood sheathing and redwood bark exterior, terra cotta or cement tile roofing, stone masonry, concrete and natural stone chimney, two fireplaces, plate glass windows, three baths, lavatory, cesspool, lighting plant, rock gas for cooking, etc.

CONTRACT AWARDED

GRAND CANYON, Arizona.—Myers Brothers, 3407 San Fernando Road, Los Angeles, awarded contract for the erection of new Bright Angel lodge on the south rim of Grand Canyon for the Santa Fe railway. The contract includes all work except plumbing, heating, ventilating, refrigeration, electric work and roofing. Separate contracts will be awarded for mechanical work, with the exception of the electric wiring, which will be done by the owner. Kress House Moving Co., 807 California St., Los Angeles, has been awarded a subcontract by Myers Brothers for moving the old 2-story dormitory building from the site of the lodge. The new building will be a one-story, irregular shaped structure with a frontage of approximately 333 feet. It will contain a lobby, shops dining rooms, kitchen, toilet rooms and offices. Construction will be of wood frame with log slab exterior and interior walls, asbestos shingle roof, concrete slab floor, flagstone paving, tile work, steam heat, refrigeration, etc. Work to start at once. Other units to be built later. Plans by the owner's architectural department.

9— HOSPITALS

Contract Awarded

HOSPITAL Cont. Price, $30,046
TULARE, Tulare Co., Calif. County Hospital.
One-story isolation ward bldg. for Tulare County General Hospital (90x 34 ft.) to contain eight wards.
Owner—County of Tulare.
Architect—Ernest J. Kump, 533 Rowell Bldg., Fresno.
Contractor—Hodgson & Son, 215 South F St., Bakersfield.

BIDS REJECTED

LOS ANGELES, Cal.—Los Angeles County Supervisors rejected all bids received August 13 and instructed William Davidson, County Mechanical Engineer, to revise plans for new units and connecting arcades to be erected at Los Angeles County Farm, Rancho Los Amigos. New bids will be taken for two units instead of three, as originally proposed. They will be reinforced concrete structures with tile and composition roofing, metal skylights, tile and cement floors plate glass, linoleum, wrought iron work, steel double-hung and casement windows, marble toilet partitions, marble threshold, hollow metal doors, metal lath, ventilating system, metal frames and screens, etc. The work will include extensions to steam lines, water lines, sewer lines and electric service and circuits.

10— HOTELS

FIRE LOSS

BARTLETT SPRINGS, Lake Co., Cal.—Fire destroyed four hotels, 100 cottages and bottling plant for spring water at Bartlett Springs Sept. 13th. Damage is estimated at $600 000. Property is owned by Mr. Cal McMahon (Barlett Springs Co.) 161 Turk St., San Francisco.

12— POWER PLANTS

BIDS WANTED

SEATTLE, Wash.—Until Oct. 11, 10 A. M., bids will be received by Seattle Board of Public Works, Room 511, County-City Bldg., for furnishing the following electrical equipment and apparatus for Diablo Power House, Skagit:

196/230 KV oil circuit breakers; 196 KV disconnecting switches; auxiliary metal-clad switchgear; wall bushings; station light, power and heat switchboard; distribution panels and cabinets; neutral circuit breakers; rectifier equipment for switch operation; storage battery; battery charging M. G. sets; inverter; oil purifying and testing equipment; hydraulic metering equipment; telephone equipment, and main unit instrument transformers.

Specifications obtainable at the office of the City Light Engineering Division, Room 604, County-City Bldg., upon deposit of $10 00.

G. W. Roberge, Secretary of Board.

PROSPECTIVE BIDDER

PEARL HARBOR, Territory Hawaii.—J. S. Thorn Co., Allegheny Ave. and 20th St., Philadelphia, has procured plans for the purpose of submitting a bid to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on October 3 for the construction of a electrical distribution system at Pearl Harbor, T. H.; Spec. No. 7604.

CONTRACT AWARDED

SEATTLE, Wash. — Henrikson - Alstrom Const. Co., Textile Bldg., Seattle, at $267,298 (Proposal D) submitted low bid and awarded contract by the Seattle Board of Public Works, Sept. 13, for construction as follows:

PROPOSAL A: Construction of the power house building.

PROPOSAL B: Construction of combination transformer and switch platform, railroad bridge and tail race.

PROPOSAL C: Furnishing and placing concrete in generator pedestals, walls, beams, slabs, and around machinery in power house building.

PROPOSAL D: Combination of proposals A, B, and C.

Complete bids follow:

PROPOSAL A

Henrikson-Alstrom Const. Co., Seattle	$134,105
Sound Const. Co., Seattle	176,949
Rumsey & Co., Seattle	157,837

PROPOSAL B

Henrikson-Alstrom Const. Co., Seattle	$113,354
MacRae Bros., Seattle	142,027
Sound Const. Co., Seattle	147,234
Rumsey & Co., Seattle	189,945
Puget Const. Co., Seattle	211,557

PROPOSAL C

Henrikson-Alstrom Const. Co., Seattle	$ 36,122
Butler Const. Co., Seattle	47,262
MacRae Bros., Seattle	47,932
Rumsey & Co., Seattle	50,307
Sound Const. Co., Seattle	52,104

PROPOSAL D

Henrikson-Alstrom Const. Co., Seattle	$267,298
Sound Const. Co., Seattle	352,736
Rumsey & Co., Seattle	399,034
Teufel & Carlson, Seattle	408,386
Sheble Const. Co., Seattle	428,502
General Const. Co., Seattle	432,799

All bids held under advisement.

Bids Opened

BOILER PLANT Cost, $——
CAMARILLO, Ventura Co., Calif.
One - story reinforced concrete boiler plant (clay tile roof).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Low Bidder — Wesco Const. Co., 2000 Hyperion Ave., Los Angeles.
Complete bids follow:

General Work

Wesco Const. Co., Los Angeles	$49,876
H. A. Nichols, Los Angeles	51,795
J. W. Flanagan, Los Angeles	57,452
*L. Geisler, Huntington Beach	46,362

*Bid not considered, as it was not signed.

Electric

East Side Electric Co., 1102 E. 12th St., Los Angeels	$1,250
H. O. Bauerle, Los Angeles	1,478
Coast Electric Co., Los Angeles	1,633
Kuster-Wetzel Electric Co., Long Beach	1,779

Plumbing and Heating

F. C. Schilling, 3215 Beverly Blvd. Los Angeles	$5.250
Allan Black & Son, L. A.	5,260
Carpenter & Mendenhall, Sacto.	5,264
J. M. Fickling, Los Angeles	5,306
Howe Bros., Los Angeles	6,029
Jones Heating Co., Los Angeles	6,154
Munger & Munger, Los Angeles	7,237
Eddy Electric Co., Stockton	7,322

Bids held under advisement.

CONTRACT CANCELLED

HEALDSBURG, Sonoma Co., Calif.—Healdsburg City council has cancelled a contract with the Geysers Development Co. under which the city was to purchase electric power starting Sept. 1, 1934. The company proposed to develop power from natural steam obtained in the vicinity of the Sonoma county geysers. Construction of the power plant was never completed.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

BOND ELECTION

SANTA BARBARA, Calif. — Santa Barbara city council has tentatively set Oct. 23 as the date for voting on a $320,000 bond issue, proceeds to be used for financing the construction of a municipal auditorium in Santa Barbara. Public Works Administration recently allocated $375,000 for the project. Plans by Associated Architects of Santa Barbara, 116 E. Sola St., Santa Barbara.

CONSTRUCTION TO START IMMEDIATELY

BAKERSFIELD, Kern Co., Calif.—George D. Nickel, SERA director in Bakersfield, announces that work will be started at once on the erection of a social welfare building at M and 26th Sts., Bakersfield, to provide administrative offices, an auditorium and warehouse space. It will be built of adobe brick and will cover an area of 135x100 ft. SERA labor will be employed in constructing the building. Cost, $40,000.

Planned

COURTHOUSE Cost, $250,000
SAN LUIS OBISPO, Calif.
Construct new county courthouse.
Owner—County of San Luis Obispo.
Architect—A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Los Angeles.

San Luis Obispo county voters defeated $237,000 bond issue on Dec. 19, which was to have financed construction of the proposed building. Further details will be announced later.

Construction Postponed Indefinitely

FIELD HOUSE Cost, $9000
SAN FRANCISCO. Thirty-eighth Ave. and Fulton St. Playground.
One-story frame and stucco five-room fieldhouse (assembly room, storeroom and office; 2 lavatories; asbestos shingle roof).
Owner—City and County of San Francisco Recreation Commission).
Architect—W. G. Merchant, 406 Russ Building.

Construction Postponed Indefinitely.

FIELD HOUSE Cost, $50,000
SAN FRANCISCO. Chenery and Elk Streets (Glen Park Playground).
One-story frame and stucco field house
Owner—City and County of San Francisco (Recreation Department).
Architect—Wm. G. Merchat, 406 Russ Building.

Contracts Awarded.

IMPROVEMENTS Cost, $——
MILL VALLEY, Marin Co., Cal.
Improvements to library building.
Owner—City of Mill Valley.

Architect—Not Given.
Painting—Hans C. Larsen, Mill Valley
Roofing—Marin County Roofing Co., Larkspur.
Brick Work, Etc.—A. B. Ende, Mill Valley.

Commissioned To Prepare Plans.
OFFICES Cost, $150,000
REDWOOD CITY, San Mateo Co.
Four-story reinforced concrete County Courthouse annex for offices.
Owner—County of San Mateo.
Architect — E. L. Norberg, 407 Occidental Ave., Burlingame, and W. H. Toepke, 74 New Montgomery St., San Francisco.
An election will be held in November to vote bonds in the amount of $103,000 to finance construction. PWA has made a grant of $46,000 to assist financing.

Bids Wanted — To Close October 8, 5 P. M.
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three-story reinforced concrete and structural steel civic auditorium plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose(C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W-San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
Plans and specifications may be obtained from the architects upon deposit of $45 for general plans and $26 each for other portions of the work. Bids are to be in at 5 P. M. and opened at 8 P. M.

Plans Being Prepared
LIBRARY Cost, $30,000
VISALIA, Tulare Co., Calif. Tipton-Lindsay site.
Construct new library.
Owner—City of Visalia.
Architect—E. J. Kump, Rowell Bldg., Fresno.

14— RESIDENCES

Contract Awarded.
ADDITION Cost, $1416
SACRAMENTO, Sacramento Co., Cal.
Studio addition to one-story frame residence (Spanish style) work includes plumbing, electrical work, etc.
Owner—P. G. Loyth, Sacramento.
Architect—Fred S. Harrison, 1005 10th St., Sacramento.
Contractor—Caesar V. Osburn, 2324 H St., Sacramento.
Plumbing—Leonard U. Plummer, 1019 J St., Sacramento.
Electric—Reliable Electric Co., 1217 7th St., Sacramento.

Plans Being Prepared.
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. Cragmont Avenue.
One-story and basement frame and stucco residence (5 rooms); shake roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.
Bids will be asked in about one week.

Contract Awarded
REPAIR RESIDENCE Cost, $2,000
SAN FRANCISCO. 762 41st Avenue.
Repair fire damage to residence.
Owner—Mr. Hanslow, 762 41st Ave.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton Street.

To Be Done By Day's Work
RESIDENCE Cost, $4,000
SAN FRANCISCO. E 22nd Avenue 200 N Ocean Avenue.
One - story and basement frame and stucco residence.
Owner and Builder—Michael & Bomerer, 762 De Haro Street.
Architect—Not Given.

To Be Done By Day's Work
RESIDENCE Cost, $4,000
SAN FRANCISCO. E 34th Ave. 100 S Anza Street.
One - story and basement frame and stucco residence.
Owner—Thomas E. Mohler, 751 28th Avenue.
Architect—Not Given.

Contract Awarded
REPAIR RESIDENCE Cost, $1500
SAN FRANCISCO. 2454 26th Avenue.
Repair fire damage to residence.
Owner—J. Andruss, 1734 Broderick St.
Architect—Not Given.
Contractor—L. Salomon, 1734 Broderick Street.

Contract Awarded
RESIDENCE Cont. Price, $3491
MENLO PARK, San Mateo Co., Calif. Oak Grove Avenue.
Five - room frame and plaster cottage (composition roof).
Owner—Corpus Christi Monastery, Oak Grove Ave., Menlo Park.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $4000
SAN FRANCISCO. N Elizabeth St. 130 E Castro St.
Two-story and basement frame and stucco residence.
Owner — Catherine F. Donovan, 578 Elizabeth St., San Francisco.
Architect—Walter Falch, 1202 Hearst Bldg., San Francisco.
Contractor—Ed. Zinkand & Son, 667 36th Ave., San Francisco.

Construction Postponed Temporarily
RESIDENCE Cost, $5000
SANTA ROSA, Sonoma Co., Calif. Olivet District.
One-story and basement frame and stucco residence (5 rooms).
Owner—C. R. Sweet, 445 Carrillo St., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
RESIDENCE Cost, $6000
BURLINGAME, San Mateo Co., Calif. 2 Hillside Circle.
One - story and basement frame and stucco residence.
Owner—Ralph Huster.
Architect—Not Given.

Contractor—G. Hess, 1446 Burlingame Ave., Burlingame.
Plans Being Figured—Bids Close Sept. 17.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Oakmore Highlands.
Two-story frame, stucco and brick residence (7 rooms and 2 baths); shake roof, gas heating system, hardwood floors, etc.
Owner—C. C. Lotz.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Contract Awarded.
RESIDENCE Cost, $4009
SAN JOSE, Santa Clara Co., Cal. No. 32 Marion Tract.
One-story and basement frame and stucco residence.
Owner—G. F. Dodson, 30 S-12th St., San Jose.
Architect—Wm. E. Higgins, 19 N. Second St., San Jose.
Contractor — C. F. Keesling, 798 Coe St., San Jose.

Contract Awarded
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Calif. 2911 Van Ness Blvd.
Two-story frame and stucco residence.
Owner—Henry Buhl.
Architect—Not Given.
Contractor—J. D. Brase, 2029 Ferger St., Fresno.

Contract Awarded
RESIDENCE Cost, $6168
SAN FRANCISCO. St. Francis Wood.
Two-story frame and stucco residence.
Owner—Arthur P. Mathews.
Architect—Masten & Hurd, 233 Post.
Contractor — Henry Papenhausen, 595 Victoria Street.

To Be Done By Day's Work.
RESIDENCE Cost, $4500
SAN JOSE, Santa Clara Co., Cal No. 960 Vermont Street.
One-story and basement frame and stucco residence.
Owner—F. A. Turner, Premises.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 331 W. San Fernando St.
Alterations to frame residence.
Owner—Xavier Mirandett, Premises.
Architect—Not Given.
Contractor—W. J. Moore, 75 Doane St., San Jose.

Contract Awarded
RESIDENCE Cost, $——
VALLEJO, Solano Co., Cal. SW Sutter and Virginia Streets.
Two - story and basement frame and stucco residence (8 rooms).
Owner—W. G. Elliott, 546 Georgia St., Vallejo.
Architect—Not Given.
Contractor—E. Teicheria, 331 Hampshire St., Vallejo.

Contract Awarded
RESIDENCE Cost, $——
PETALUMA, Sonoma Co., Cal. Sixth Street near H St. (50x150 ft.)
One-story frame and stucco residence (five rooms).
Owner—L. Pometta, care Herold Drug Store, Petaluma.
Architect—Not Given.
Contractor—Cornelius and Meyer, Petaluma.
Lumber—Cochrane Lumber Co., Petaluma.

Plans Being Prepared
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Chelton Drive and Bagshotte Drive.
One - story and basement frame and stucco residence.
Owner—Syndicate Idora Co., 5505 Telegraph Ave., Oakland.
Architect—Fred. Confer, 2812 Russell St., Berkeley.

Plans Being Prepared
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Cal.
Alterations to residence (enlarge rooms new plumbing, painting, plastering, etc.)
Owner—Withheld.
Architect—C. H. Treichel, 696 Cleveland Ave., Oakland.
Bids will be asked from a selected list of contractors within a few days.

Low Bidder
PENT HOUSE Cost, $10,000
SAN FRANCISCO. 327 Presidio Ave.
Wood frame pent house (5 rooms) tar and gravel roof, hardwood floors.
Owner—Not Given.
Architect—Not Given.

Architect—Farr & Ward, 68 Post St.
Low Bidder—A. Cederborg, 1045 Excelsior Ave., Oakland.

To Be Done By Day's Work
RESIDENCES Cost, $6000 ea.
SAN FRANCISCO. W Webster Street B. Beach St.
Two 2-story and basement frame and stucco residences.
Owner and Builders—Sbarboro & Jorgensen, 207 Walnut Street.
Architect—Not Given.

Sub-Bids Being Taken.
RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Cal. Arch Street.
Two-story and basement frame and stucco residence (10 rooms and 5 baths); tile roof, steam heating system, tile baths, hardwood floors, etc.
Owner—K. C. Schwegler, 1203 Walnut St., Berkeley.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Contractor — Walter Broderick, 640 The Arlington, Berkeley.

Contract Awarded.
RESIDENCE Cost, $12,000
SAN ANSELMO, Marin Co., Cal.
Two-story frame and stucco residence (8 rooms & 3 baths) wood shakes roof, tiled baths, hardwood floors.
Owner—Henry Hansen.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—A. Cederborg, 1045 Excelsior Ave., Oakland.

Plans Being Figured.
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal.
One-story and basement frame and stucco residence (7 rooms), English type, wood shingle roof, electric heating system, tile baths, hardwood floors, etc.
Owner—J. M. Mannon.
Architect—Erle J. Osborne, 251 Kearny St., San Francisco.
Bids are being received from a selected list of contractors only.

Plans Being Prepared.
RESIDENCES Cost, $8000 each
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
Five two-story and basement frame and stucco residences (8 rooms & social hall each); shingle roofs gas heating systems, tile and hardwood floors, etc.
Owner and Builder—C. M. MacGregor 622 Highland Ave., Piedmont.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Contract Awarded.
RESIDENCE Cost, $5450
BERKELEY, Alameda Co., Calif. Thousand Oaks Blvd.
One and one-half-story frame and stucco residence.
Owner—Wm. D. Wilcox.
Architect — Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—B. F. Wooley, 3933 Fruitvale Ave., Oakland.

Contract Awarded
RESIDENCE Cost, $3500
PATTERSON, Stanislaus Co., Calif.
One - story and basement frame and stucco residence (6 rooms) shingle roof, hardware floors, tile bath, etc
Owner—Elmer Pezzini, Patterson.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Contractor—Ira Cotner, Patterson.

Contract Awarded
RESIDENCE Cost, $4500
MODESTO, Stanislaus Co., Cal. Popular Street.
One - story and basement frame and stucco residence (7 rooms) composition roof, hardwood floors, hot air oil burning heating system, tiled bath, etc.
Owner—Anna M. Sedo.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Contractor—M. O. Ward, Rt. 1, Box 541, Modesto.

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $3491
MENLO PARK, San Mateo Co., Cal. Oak Grove Avenue.
Five-room frame and plaster cottage (composition roof).
Owner—Corpus Christi Monastery, Oak Grove Ave., Menlo Park.
Architect—Arnold Constable, 580 Market St., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.
Mill Work—Brannan Street Planing Mill, 560 Brannan St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Lumber—Smith Lumber Co., Fourth and Channel Sts., San Francisco.

Contract Awarded.
RESIDENCE Cont. Price, $17,445
ROSS, Marin Co., Cal. Winship Park.
Two-story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.

Contract Awarded
RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Calif. 1007 Cragmont.
Two - story and basement frame and stucco residence (10 rooms).
Owner—B. N. Coates.
Architect—B. R. Hardman, 206 Whitecotton Bldg., Berkeley.
Contractor—Harry E. Kane, 921 Ramona Ave., Berkeley.

Contract Awarded
RESIDENCE Cost, $7000
SAN FRANCISCO. SE Santa Paula and San Jacinta.
Two - story and basement frame and stucco residence.
Owner—Herbert N. Thomas, 76 Terrace.
Architect—Wm. Garren, 233 Post St.
Contractor—A. J. Wilbe, 170 Colon St.

To Be Done By Day's Work
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. 904 Spruce Street.
Two - story and basement frame and stucco residence (8 rooms).
Owner—H. C. Cloudman, 2236 Grant St., Berkeley.
Architect—G. P. Simonds, 192 Main St. Hayward.

Contract Awarded
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. Idora Park Tract.
One-story frame and stucco residence (5 rooms) shingle roof, gas heating, hardwood floors, tile bath, etc.
Owner—John Orio.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Mark Bristol & Co., Inc., 1038 McKinley Ave., Oakland.

Contract Awarded
ALTERATIONS Cost, $8256
SAN FRANCISCO. 2027 Broadway.
Alterations to frame residence.
Owner—Wm. H. and Mary M. Sawtelle, 2010 Broadway.
Architect — Henry H. Gutterson, 526 Powell Street.
Contractor—D. B. Gladstone, 557 Market Street.

Construction To Start Shortly.
RESIDENCE Cost, $4000
PETALUMA, Sonoma Co., Cal. Outside City Limits.
One-story and basement frame and stucco residence (5 rooms) Spanish style, full tile roof, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—D. E. Jaekle, Call Bldg., San Francisco.

Contract Awarded
RESIDENCE Cost, $5000
SAN FRANCISCO. N Ingerson 250 W Jennings Street.
One - story and basement frame and stucco residence.
Owner—Tony Simicich, 1144 Ingerson.
Architect—Not Given.
Contractor—C. A. Faggioni, 1567 Revere Street.

Contract Awarded
RESIDENCE Cost, $4000
SAN FRANCISCO. S Tingley 50 E Cayuga Street.
One-story frame and stucco residence.
Owner — Primo and Luci Sari, 4250 Mission Street.
Architect—Not Given.
Contractor—Marshall T. Struthers, 4250 Mission Street.

To Be Done By Day's Work
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 4162 Lyman Road.
One - story and basement frame and stucco residence (5 rooms).
Owner and Builder—Walter Pressler, 1419 Excelsior Ave., Oakland.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $4000
REDWOOD CITY, San Mateo Co., Cal. 445 Myrtle Street.
One - story and basement frame and stucco residence (4 rooms).
Owner—J. R. Giannini.
Architect—Not Given.
Contractor—J. Meconi, 615 Myrtle St., Redwood City.

Contract Awarded
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Calif.
Two-story frame and stucco residence (10 rooms, 3 baths) shingle roof, gas - fired steam heating system, concealed radiators, hardwood floors, tiled baths, tile kitchen, monel metal sink, etc.
Owner—J. E. Tourtellotte.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Oscar Cavanaugh, 432 Occidental Ave., San Mateo.
Painting contract is not included in the general contract and will be awarded shortly.

Contract Awarded.
COTTAGE Cost, $4200
CARMEL, Monterey Co., Cal. Lot 10 Blk C-2, Addition No. 8.
One-story frame and stucco beach cottage.
Owner—Tom M. Bunn, Carmel.
Architect—C. J. Ryland and W. O. Raiguel, Hotel Del Monte, Monterey.
Contractor—Miles Bain, Carmel.

Contract Awarded.
COTTAGE Cost, $2960
CARMEL, Monterey Co., Cal. Lot 10 Block C-2 Addition.
One and one-half-story stone beach cottage.
Owner—Henry S. Tusler, Carmel.
Architect—C. J. Ryland and W. O. Raiguel, Del Monte Hotel, Monterey.
Contractor—Miles Bain, Carmel.

Plans Being Figured
RESIDENCE Cost, $3500
PLEASANTON, Alameda Co., Cal.

One-story frame and stucco residence (4 rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contract Awarded.
REPAIR RESIDENCE Cost, $1282
SAN FRANCISCO. S Bay St. 58 W Larkin St.
Alterations and repairs to residence.
Owner—John and Louise Cattermole, 915 Bay St., San Francisco.
Architect—Not Given.
Contractor — Albin C. Lindgren, 346 Lowell St., San Francisco.

15— SCHOOLS

Bids Wanted — To Close October 9, 12 Noon.
SCHOOL Cost, $315,000
CORVALLIS. Oregon.
Three-story brick high school (brick facing; classrooms, auditorium, gymnasium and locker rooms.
Owner—Consolidated District No. 9, Benton County, Oregon (Joint School District No. 9-A, Benton and Lynn Counties).
Architect — Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.
Plans and specifications may be obtained from the architects upon deposit of $50 for general contract plans, $25 for plumbing and heating and $15 for wiring.
Bidder's bond or certified check must accompany each bid in amounts as follows: $5000 for general contract; $1000 for plumbing and heating and $500 for wiring.

BOND ELECTION
PASADENA, Calif. — Pasadena City High School District has called an election for Oct. 26 at which time it is proposed to vote bonds in the sum of $375,000, proceeds to be used for financing the reconstruction of the city high schools. The allotments are: Geo. Washington Junior high school, $200,000; Pasadena Junior college, $115,000;

Bids Opened
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo County, Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Complete bids follow:

General Work
Einar C. Petersen, 1290 Hayes St., San Franisco $31,415
A. Pianca, South S. F. 31,750
Young & Horstmeyer, S. F. 32,940
Chas. Pedersen, San Mateo 33,340
Larsen & Larsen, S. F. 33,500
Oliver S. Almlie, S. F. 33,500
H. H. Larsen, San Francisco 33,843
C. L. Wold, San Francisco 33,987
Wm. Spivock, San Francisco 34,284
J. Harold Johnson, S. F. 34,598
Bessett Bldg. Co., Burlingame 34,926
F. C. Amoroso & Sons, S. F. 35,664

Painting
Lee Dixon, 18 Eureka St., San Francisco $1,594
Raphael Co., San Francisco 1,742
George Ames, Burlingame 1,919
A. Moklofsky & Son San Mateo 2,220
R. P. Paoli, San Francisco 2,245
A. Andresen, San Francisco 2,483
W. G. Thompson, San Francisco 2,550
M. Minucciani, South San Francisco 2,610

Plastering
J. F. Smith, San Francisco 3,895
A. W. Cordes, 666 Mission Street, San Francisco $3,590
M. J. King, San Francisco 4,239
Peter Bradley, San Francisco 6,000
R. Graziani, San Francisco 6,798

Sheet Metal
Garvey Sheet Metal Works $618.00
Izmiran Roofing & Sheet Metal Works, San Mateo 786.00
Guilfoy Cornice Works, S. F. 796.00
Metal Const. Co., S. F. 965.00

Miscellaneous Iron and Steel Sash
Anchor Post Fence Co., 460 Fifth St., San Francisco $1,225
Fair Mfg. Co., San Francisco 1,233
F. Kern & Sons, San Francisco 1,259
Michel & Pfeffer, San Francisco 1,409

Brick and Terra Cotta Work
Chas. Ohran & Sons, 1038 Chula Vista Ave., Burlingame 945
Wm. A. Rainey & Son, S. F. 1,359

Structural Steel
Golden Gate Iron Works, 1541 Howard St., San Francisco $9,100
Pacific Coast Steel Co., S. F. 9,547
Western Iron Works, S. F. 9,697
Herrick Iron Works, Oakland 10,440
Schrader Iron Works, S. F. 10,475
Judson Pacific Co., S. F. 10,750
Independent Iron Works, Oakland 12,856

Rough Grading
Oliver S. Almlie, 60 Sussex St., San Francisco ..... $ 986
L. C. Smith, San Mateo 1,225
J. S. Baker, Burlingame 1,442

Heating
Scott Co., 243 Minna St., S. F. $4,497
O'Mara & Stewart, S. F. 4,640
Morrison & Blair, San Mateo 4,741
M. J. Reeves Htg. Co., S. F. 4,731
F. W. Snook, San Francisco 5,163
H. R. Parks, Burlingame 5,587
E. C. Cottier, San Mateo 5,750

Plumbing
O'Mara & Stewart, 218 Clara St., San Francisco $3,675.00
W. L. Hickey, South S. F. 3,923.65
Morrison & Blair, San Mateo 3,997.00
Scott Co., San Francisco 4,128.00
H. R. Parks, Burlingame 4,426.00
E. C. Cottier, San Mateo 5,334.00

Electric
G. H. Armstrong, 1388 Van Ness Ave. S., San Francisco 2,417
Scott-Buttner Co., Oakland 2,417
Lynn & Heffernan, S. F. 2,479
Central Electric Co., S. F. 2,520
Chas. Langlais, San Francisco 2,552
Decker Electric Co., S. F. 2,585
W. L. Pacheco, South S. F. 2,710

Blackboards
J. W. Fricke & Co., 420 Market St., San Francisco $1,230.00
American Seating Co., S. F. 1,325.00
Rucker Fuller Co., S. F. 1,361.72
Gill-Mann Co., S. F. 1,383.75

Lockers
C. J. Waterhouse, S. F. $1,245.96
Fred E. Turner, S. F. 1,245.96
Gill-Mann Co., S. F. 1,245.96
Trask & Squiers, S. F. 1,245.96
South City Lumber & Supply Co., South San Francisco 1,246.50

Shades and Linoleum
A. T. Arendt $192.62

Alternate proposals submitted may be seen at the office of Daily Pacific Builder by those interested. A number of other bids were submitted but not considered due to irregularity in filing or in bid form.
Bids held under advisement.

Plans Being Completed.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Chelton Drive and Bagshotte Drive.
One-story and basement frame and stucco residence.
Owner—Syndicate Idora Co., 5505 Telegraph Ave., Oakland.
Architect —Fred Confer, 2812 Russell St., Berkeley.
Bids will be asked in about one week or ten days.

Contract Awarded.
LIBRARY Cost, $——
MODESTO, Stanislaus Co., Cal. Modesto Junior College.
Construction of part of library building.
Owner—Modesto Junior College Dist.
Architect — John J. Donovan, 950 Parker St., Berkeley.
Contractor—H. Tennyson, 125 Poplar Ave., Modesto.

Plans Awaiting Approval
SCHOOL Cost, $——
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.
Final plans are awaiting approval of PWA and bids will be asked shortly.

CONTRACT AWARDED
RICHMOND, Contra Costa Co., Cal. —Mastercraft Tile and Roofing Company, Richmond, at $125 awarded contract by Richmond High School Board for constructing roof over Roosevelt school boiler room in Richmond.

Plans Completed.
MUSIC BUILDING Cost, $5000
SONOMA, Sonoma Co., Cal. Sonoma High School.
One-story music room for high school
Owner—Sonoma High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Work will be started shortly under SERA.

FIRE LOSS
WATSONVILLE, Santa Cruz Co., Calif. — Fire destroyed the Carrolton District's school on the San Juan Rd. near Watsonville Sept. 12. Damage estimated at $10,000. Building was covered by insurance in the amount of $5,000.

Contract Awarded
ALTER SCHOOL Cont. Price, $12,737
NAPA, Napa Co., Cal. John L. Shearer Grammar School.
Alerations to grammar school (repair fire damage to concrete and brick veneer structure).
Owner—Napa City School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor—E. W. Arnitz, 429 Franklin St. Napa.
Complete bids follow:
E. W. Arnitz, Napa $12,737
E. Doughty, Napa 12,850
Vienop & Reidenbach, Napa 13,170

BIDS OPENED
SAN FRANCISCO.—Empire Roofing Co., 261 Silver Ave., at $89.00 submitted low bid to Department of Public Works for covering roof of bungalow at the Washington Irving School, located on Broadway between Montgomery and Sansome Sts., with new 4-ply tar and red brick gravel. Area is approximately 12 squares. Only other bid was submitted by the Alta Roofing Co. at $100.00. Bids held under advisement.

September 17, 1934
Bids Wanted—Close Oct. 12, 10 A. M.
SCHOOL Cost, $——
GRAND COULEE DAM, Columbia Basin, Washington.
One-story timber frame school (94x99) play room, 45x75 ft., built-up roof, lathing and plastering, plumbing, heating and electrical facilities.
Owner—U. S. Government (Bureau of Reclamation, Almira, Wash.)
Plans by Engineering Dept. of Owner. Plans and specifications may be obtained from Bureau of Reclamation at Almira, Wash., Denver, Colo., Washington, D. C.

Bids Wanted—Close Sept. 26, 2:30 P.M.
REPAIR SCHOOL Cost, $48,000
SAN FRANCISCO. Excelsior Avenue between London and Paris Sts.
Repairs and reconstruction and additions to the Excelsior Elementary School.

Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Work includes:
(a) Removal of portions of all exterior brick walls from concrete levels up to and including parapet walls; add concrete and anchors, exterior brick veneer, etc.
(b) Concrete walls and footings around two stairways from basement to roof; substitution of concrete floor slabs for existing wood joists and wood floors in connection with new stair halls; addition of concrete slabs over entire stair halls at third floor ceiling level.
(c) Addition of concrete bracing walls between Columns 3-15 and 7-12 from footings to roof and addition of walls in basement Columns 15-20 and 12-23.
(d) Addition of struc. steel framing, including horizontal trusses and other floor bracing beams in construction of first, second and third floors and roof and strengthening of details and connections.
(e) Additions of Travertite Monolithic stone work to be cast in place on exterior of building.
(f) New materials for fire escapes in rear of building, cleaning and painting.

Low Bidders
SCHOOL REPAIRS Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of Elementary school (timber frame bldg.) carpentry work, some structural steel, etc.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Low Bidder—J. C. Monk, 45 Tait St., Los Gatos.
M. E. Vukicevich, San Francisco, was second low bidder and Louis Dunn San Francisco, was third low.
Bids held under advisement.

BONDS FAIL
BAKERSFIELD, Kern Co., Cal.—Bakersfield Union High School Dist. defeated bond election Sept. 14 in the amount of $230,000. Funds were to have financed construction of an auditorium at the High School in Bakersfield. The vote cast was 1611 for and 928 against. Charles Biggar, Haberfelde Bldg., Bakersfield, Architect.

BIDS WANTED
SANTA ANA, Orange Co., Cal.—Until October 2, 2 P. M., bids will be received by Board of Public Building Reconstruction, Santa Ana, for a shop building at Julia Lathrop Junior high school site in Santa Ana for Santa Ana board of education. Plans and specifications may be obtained at 311 State Office Bldg., Los Angeles, upon deposit of $25. The building will be a steel frame and wood structure, costing approximately $25,000. F. H. Eley, 109 Orange Ave., Santa Ana, architect.

PLANS COMPLETED
LOS ANGELES, Cal. — Architect Walter E. Erkes, 1211 Rives-Strong Bldg., and Structural Engineer F. N. Ropp, Edison Bldg., have completed working drawings for reconstruction, rehabilitation and strengthening of the main building at the One-hundred and eighteenth Street School site, 144 E. 118th St., for the Los Angeles Board of Education. Cost, $89,040.

BIDS WANTED
LONG BEACH, Calif.—Long Beach board of education has set Oct. 10 as the tentative date to receive bids for reconstructing and rehabilitating the auditorium building at Polytechnic high school. Plans prepared by Architect Hugh R. Davies, 430 East Ocean Ave., Long Beach. Work will include new reinforced concrete exterior walls, concrete and composition roofing, gunite work, acoustical plaster and materials, steel studs, linoleum, composition tile floors, tile toilet floors, marble toilet partitions, copper, steel sash, etc. Cost, $100,000.

BOND ELECTION
SAN BERNARDINO, Cal.—San Bernardino Valley Junior College District will hold an election October 19 at which time it is proposed to vote bonds in the sum of $268,000, proceeds to be used to partially finance a $350,000 building program. The government recently approved an outright grant of $105,000 and a loan of $245,000 to the district. The program contemplates three buildings: An auditorium to cost $225,000; technical building to cost $60,000, and a women's gymnasium to cost $65,000. G. Stanley Wilson, Mission Inn, Riverside; E. Charles Parke, associated, 657 N. Eighth St., Colton, are the architects for the auditorium building and the science building. Howard E. Jones, 518 Anderson Bldg., San Bernardino, is the architect for the women's gymnasium.

CONTRACT AWARDED
NORWALK, Los Angeles Co., Cal.—Campbell Constr. Co., 951 S. Genesee St., Los Angeles awarded contract at $112,306 by the Board of Public Building Reconstruction, for erection of a classroom building at Norwalk Elementary School District. As previously reported, plumbing and heating contract awarded to Wm. D. Kraemer, 5437 Maywood Ave., Maywood, and the electric wiring was awarded to Cave Electric Co., 2107 N. Ross St., Santa Ana. Will be a U-shaped structure, 100x100 feet in area, with reinforced concrete walls, tile and composition roof, concrete and wood floors, etc. T. C. Kistner, 814 Architects' Bldg., Los Angeles, Architect.

LOAN APPROVED
CARSON CITY, Nevada—Public Works Administration has approved a loan and grant of $80,000 to Carson City School District No. 1 to finance the construction of a two-story, semi-fireproof high school building with gymnasium.

COMPLETING PLANS
LOS ANGELES, Cal.—Architect S. P. Hunt, 701 Laughlin Bldg., has completed working drawings for a new 24-unit classroom building replacement to be built at the David Starr Jordan high school site, 2265 E. 103rd St., for the Los Angeles board of education. Estimated cost, $161,280.

PLANS COMPLETE
LOS ANGELES, Cal.—Architect H. Roy Kelley, 1102 Architects' Bldg., and Structural Engineer S. B. Barnes, 803 W. 3rd St., have completed working drawings for reconstructing, rehabilitating and strengthening the main building, less third story, at the 61st Street school, 6050 S. Figueroa St., for the Los Angeles board of education. Cost, $65,854.

PLANS COMPLETE
LOS ANGELES, Cal.—Architect Lyle N. Barcume and Structural Engineer Harold P. King, 5369 Wilshire Blvd., have completed working drawings for reconstructing, strengthening and rehabilitating the main building, less third story, at the 20th Street school site, 1353 S. 20th St., for Los Angeles board of education. Cost, $39,343.

BIDS WANTED
LONG BEACH, Los Angeles Co., Cal.—Until October 10, 4 P. M., bids will be received by Long Beach Board of Education, Chestnut Ave. and 25th St., for repairing and strengthening the auditorium building at the Polytechnic High School site. Hugh R. Davies, 430 East Ocean Ave., Long Beach, architect. Work will include new reinforced concrete exterior walls concrete and composition roofing, gunite work, acoustical plaster and materials, steel studs, linoleum, composition tile floors, tile toilet floors, marble toilet partitions, copper work, steel sash, etc. Estimated at $100,000.

BIDS WANTED
PASADENA, Los Angeles Co., Cal.—Until September 25, 11 A. M., bids will be received by the Pasadena Board of Education for reconstructing and rehabilitating the Madison Elementary school. Plans were prepared by Architect Cyril Bennett, 311 First Trust Bldg., Pasadena. Work will consist of removing a portion of the exterior walls and rebuilding with gunite, new reinforced concrete foundation, plaster, plumbing, electric wiring, painting, etc. Cost, $110,000.

PLANS APPROVED
LONG BEACH, Los Angeles Co., Cal.—Long Beach Board of Education has approved working plans for two-story steel administration building at the Lowell Junion High School site. Edward L. Mayberry, 3900 East Third St., Long Beach, architect. Will contain classrooms and offices. Construction will be light steel frame, steel studs, gunite exterior walls, composition roofing, maple and concrete floors, tile toilet floor, marble toilet partitions, steam heating, etc.

BIDS WANTED
COMPTON, Los Angeles Co., Cal.—Until October 5, 2 P. M., bids will be received by the Board of Public Building Reconstruction at 601 S. Acacia St., Compton, for the construction of the new administration and auditorium building on the Compton Junior College site for the Compton Union High School District. Separate bids will be taken for the general work, plumbing, electric wiring and the heating and ventilating. Plans and specifications may be obtained at 311 State Bldg., Los Angeles, upon deposit of $25. Will be a two-story structure, 190x225 feet in area, with a stage 40x95 feet; reinforced concrete construction, structural sacel, tile and composition roofing, waste moulds, fluted pilasters, steel sash, steam heating system, frame and plaster arcades, cement walks, etc. Cost $300,000 to $350,000. John C. Austin and Frederic M. Ashley, 608 Chamber of Commerce Bldg., Los Angeles, architects.

BOND ELECTION PLANNED
BAYWOOD, San Mateo Co., Cal.—Baywood - Park - Aragon School District has set October 23 as the tentative date to hold an election to vote bonds in the amount of $25,000 to finance construction of a new grammar school in Baywood Park.

PLANS COMPLETE
LOS ANGELES, Cal.—Los Angeles board of education, owner and builder, 761 Chamber of Commerce Bldg., applied for building permit Sept. 17 to reconstruct two-story, Class D, brick building at 885 E. 45th St. (Wm. McKinley Junior high school site). David J. Witmer and Loyall F. Watson, architects, 903 Architects' Bldg., and Oliver G. Bower, structural engineer, 1144 S. Grand Ave. Work consists of strengthening walls and roof, adding bracing and trusses, concrete framing, plastering, etc., and rehabilitating the building in general to conform to new state earthquake code. Cost, $138,000.

Plans Completed.
IMPROVE SCHOOL Cost, $3500
SANTA CRUZ, Santa Cruz Co., Cal.
Live Oak School District.
Addition to Live Oak School (add two classrooms, each to be 32 feet sq.) frame and stucco construction, shingle roof.
Owner — Live Oak School District (Frank A. Anderson, Clerk), Box 697 Rt. 2, Santa Cruz.
Architect—W. E. Higgins, 19 N. Second St., San Jose.
Plans have been forwarded to Sacramento Division of Architecture, and upon approval bids will be asked. 15

LOW BIDDER
INGLEWOOD, Los Angeles Co., Cal. —Monolith Constr. Co., 169 N. La Brea, submitted low bid at $55,555 to Los Angeles Board of Education, for construction, strengthening and rehabilitation of the main building at the Center Avenue School, located on the west side of Walnut Ave., bet. Center Avenue and Sycamore Street, near Inglewood.
Monolith Construction Co., Submitted following sub-contract bids with their general bid: Progressive Ornamental Iron Works, structural and miscellaneous iron and steel, $3077 Ford Alexander Corp., concrete and brick cutting, $5474; Case Construction Co., gunite, $16,530; Wm. Gelfan, painting, $425; A. H. Gallop, plumbing, $700 Metropolitan Roof Co., roofing, $515; Paller & Goldstein, sheet metal, $165; Hickman Bros., heating and ventilating, $705; Gerard Vande, electric wiring. Plans were prepared by Structural Engineer Laurance J. Waller, 257 S. Berendo St., and the architectural division of the board, A. S. Nibecker, J., Architect. Cost, estimated at $65,683. 5

PLANNED
SANTA MONICA, Los Angeles Co., Cal.—SERA has approved applications of the Santa Monica Board of Education for funds with which to finance the labor for a primary classroom building and an elementary classroom and office building to be erected on the Washington School site in Santa Monica; also for a classroom building and a combination administration and classroom building to be erected on the Roosevelt School site. The board will advertise for bids for necessory materials to be used in constructing the buildings. They will be wood frame and stucco structures with composition roofing, concrete floors, wood sash, gas-steam radiators, etc. Marsh, Smith & Powell, Architects' Bldg., Los Angeles, architects.

LOW BIDDER
PASADENA, Cal.—Jerome K. Doolan, 385 E. Green St., Pasadena, submitted low bid to Pasadena board of education at $71,975, for reconstructing and rehabilitating the Lincoln Elementary school. Mr. Doolan did not sign the PWA form submitted with his bid, which was referred to the state engineer. Frederick Kennedy, Jr., 1041 E. Green St., Pasadena, architect. Work will include removing portion of the exterior walls and repairing with gunite, plastering, plumbing, etc.

TO ASK BIDS
PASADENA, Cal.—Pasadena board of education will advertise for bids soon for reconstructing Louis Agassiz building at the Pasadena Junior College site. Separate bids will probably be taken on general contract, plumbing, electric wiring, heating and ventilating. Cyril Bennett, 311 First Trust Bldg., Pasadena, architect. The structure has been demolished except the frame, which will be reinforced; gunite exterior walls, composition roofing, maple floors, concrete corridors and stairs, steel sash, structural steel, plastering, tile toilet floors, marble toilet partitions, painting, etc. Estimated cost $60,000.

BIDS WANTED
WILMINGTON, Los Angeles Co., Cal.—Until October 2, 11:30 A. M., bids will be received by the Los Angeles board of education at room 200, 1425 San Pedro St., for reconstruction, rehabilitation and strengthening of the main building at Gulf Avenue school, located on L St. between Gulf and Roman Aves., Wilmington. Plans and specifications may be obtained at 1425 San Pedro St. upon deposit of $25. Certified or cashier's check or bond for 5% must acompany each bid. John D. Scouller, business manager. H. L. Gogerty, 116 Santa Fe Ave., Compton, architect; R. McC. Beanfield, Chamber of Commerce Bldg., Los Angeles, is the structural engineer. Cost, $56,605.

LOW BIDDER
LONG BEACH, Cal.—Duff-Vandenhoogen Co., 733 W. 14th St., Long Beach, submitted low bid to the Long Beach board of education, at $83,760 for reconstructing and rehabilitating the administration building at 715 Locust Ave., Long Beach. Plans were prepared by Architect Earl R. Bobbe, 315 Heartwell Building, Long Beach. Work will include new reinforced concrete walls, gunite work, replacing partitions, tile toilet floors, marble work, ventilating system, electric wiring, plumbing, acoustical treatment.

Sub-Contracts Awarded.
SCHOOL Cont. Price, $11,133
DELANO, Kern Co., Cal.
One-story reinforced concrete music hall building for the Delano Joint Union High School District.
Owner — Delano Joint Union High School District.
Architect—Edwin J. Symmes, 215 Haberfelde Bldg., Bakersfield.
Contractor—W. A. Croft, 1605 Brundage Lane, Bakersfield.
Plumbing—J. Pettijohn, Delano.
Electric Wiring—J. H. Alexander, McFarland.
Mill Work — Hayward Lumber Co., Delano.
Structural Steel—Kyle & Co., Fresno.
Roofing—Pioneer Roofing Co., Bakersfield.
Sheet Metal—J. Pettijohn, Delano.
Painting—P. J. Stevens, Bakersfield.
Plastering—F. E. Davis, Bekersfield.
Lumber—King Lumber Co., Bakersfield.
Hardwood Floors — F. W. Fraser, Bakersfield.
Brick Work—F. W. Kampe, Bakersfield.

LOW BIDDER
WILLOWBROOK, Los Angeles Co., Cal.—C. H. Fisher, 2405 W. 80th St., Los Angeles, submitted low bid to Board of Public Building Reconstruction of the Willowbrook School for the Willowbrook School District. Plans were prepared by Herbert E. Mackie, architect, and John Paxton Perrine, Western Pacific Bldg., Los Angeles. 5

BIDS WANTED
LONG BEACH, Cal.—Until Oct. 10, 4 P. M., bids will be received by the Long Beach board of education at Chestnut Ave. and 25 St., for repairing and strengthening the auditorium building at the Polytechnic high school site. Plans were prepared by Architect Hugh R. Davies, 430 E. Ocean Ave., Long Beach. Work will include new reinforced concrete exterior walls, concrete and composition roofing, gunite work, acoustical plaster and materials, steel studs, linoleum, composition tile floors, tile toilet floors, marble toilet partitions, copper work, steel sash, etc. Cost, $100,000.

PLANS COMPLETE
LOS ANGELES, Cal.—Los Angeles board of education, owner and builder, 761 Chamber of Commerce Bldg., applied for building permit Sept. 17 to reconstruct two-story Class B brick school and kindergarten building at 7812 McKinley Ave. (Seventy-ninth St. school site). Plans prepared by Frank D. Hudson, architect, 701 Laughlin Bldg., and Ralph A. DeLine, structural engineer, 1144 S. Grand Avenue. Work consists of installing concrete framing, anchors, bracing and plastering, rebuilding walls and rehabilitating the building in general to comply with new State earthquake code. Cost, $77,000. 5

PLANS COMPLETED
LOS ANGELES, Cal. — Architect Wm. Mellema, 1661½ Beverly Blvd., complete working drawings for reconstructing, strengthening and rehabilitating building No. 1 and the connecting arcade at the Second St. School, 1942 E. Second St., for the Los Angeles Board of Education. Cost, $52,478. 5

PRELIMINARY PLANS COMPLETED
LONG ANGELES, Cal.—Architect Frank R. Schaefer, 1103 Kerckhoff Bldg., has completed preliminary plans for reconstructing, rehabilitating and strengthening the science building at the Benjamin Franklin High School, 820 N. Avenue 54, for the Los Angeles Board of Education. Cost, $60,397.

Contract Awarded
SCHOOL Cont. Price, $39,995
FRUITVALE, Kern Co., Calif.
One - story reinforced concrete school building (four classrooms) concrete filler walls, composition roof, maple floors, low pressure steam heat.
Owner—Fruitvale School District.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.
Contractor—Henry Eissler, 2229 18th St., Bakersfield.

LOW BIDDER
LYNWOOD, Los Angeles Co., Cal.—Pacific Realty & Bldg. Co., 439 East Broadway, Long Beach, submitted low general contract bid at $30,469 to the Board of Public Building Reconstruction for reconstructing, rehabilitating and strengthening the George Washington school in Lynwood for the Lynwood Elementary Shool District. Coast Electric Co., 2350 Cedar Ave., Long Beach, submitted the low bid for electric wiring at $2160.
Marsh, Smith and Powell, Architects Bldg., Los Angeles, architects.

LOW BIDDER
SANTA ANA, Orange Co., Cal.—L. R. Wilson, Box 1193, Santa Ana, submitted low general contract bid to the Board of Public Building Reconstruction at $62,800 for rebuilding and repairing the Spurgeon school in Santa Ana for the Santa Ana board of education. Pacific Plbg. Co., 313 N. Ross St., Santa Ana, submitted the low bid on plumbing at $3035, and Robt. E. McMinn, 346 12th St., Seal Beach, was low on the heating at $6200. Allen Trusty & Sons, 211 N. Main St., Santa Ana, were low bidders on the electrical work at $1350 and Cave Electric Co., 2107 N. Ross St., Santa Ana, was second at $1894. Fred Eley, 109 Orange Ave., Santa Ana, architect.

CONTRACT AWARDED
INGLEWOOD, Los Angeles Co., Cal. —Monolith Const. Co., 169 N. La Brea, awarded contract at $55,555 by Los Angeles board of education for reconstruction, rehabilitation and strengthening the main building at the Center Avenue school, located on the west

side of Walnut Ave. between Center Ave. and Sycamore St., near Inglewood.

Monolith Const. Co. submitted following subcontract bids with their general bid: Progressive Ornamental Iron Works, structural and misc. iron and steel, $3077; Ford Alexander Corp. concrete and brick cutting, $5,474; Case Const. Co., gunite, $16,530; Wm. Gelfan, painting, $425; A. H. Gallop, plumbing, $700; Metropolitan Roof Co. roofing, $515; Paller & Goldstein, sheet metal, 5165; Hickman Bros., heating and ventilating, $705; Gerard Vande, electric wiring. Plans were prepared by Structural Engineer Laurance J. Waller, 257 S. Berendo St., and the architectural division of the board, A. S. Nikecker, Jr. architect.

Contract Awarded
SCHOOL REPAIRS Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of Elementary school (timber frame bldg.) carpentry work, some structural steel, etc.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—J. C. Monk, 45 Tait St., Los Gatos.

BIDS WANTED

SAN FRANCISCO.—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., at $294.44 submitted low bid to Department of Public Works for erecting approximately 225 feet of 1¾-in. 11 gauge chain link fence on metal posts at the Sarah B. Cooper School, located at Jones and Lombard Sts.

Complete bids follow:

Michel & Pfeffer Iron Works	$294.44
Standard Fence Company	298.00
Anchor Post & Fence Co.	304.10
Kamlan Fence Company	304.10
Wickwire Spencer Company	304.10

Bids held under advisement.

BOND ELECTION

PITTSBURG, Contra Costa Co., Cal.—Pittsburg School District has called an election for Oct. 16 at which time it is proposed to vote bonds in amount of $79,000, proceeds to be used for financing the reconstruction of the (1) primary school; (2) junior high school, and (3) intermediate school. Estimated costs of the projects as follows:

(1) $40,000; (2) $38,000; (3) $18,000.

If bonds are voted additional funds will be secured from the sale of the post office site at $10,000 and $4,000 is available in the building fund.

Louis Stone, Humboldt Bank Bldg., San Francisco, architect.

September 20, 1934

Bids Opened
SCHOOL Cost, $150,000
COALINGA, Fresno Co., Calif.
Two-story science building, swimming pool and locker room.
Owner—Coalinga Union High School District (F. J. McCollum, Clerk).
Architect- W. D. Coates, Rowell Bldg. Fresno.
Low Bidder—W. J. Ochs, Pacific Southwest Bldg., Fresno.
Complete bids follow:

(1) Science Bldg.; (2) Pool and Locker Building.		
W. J. Ochs, Fresno	(1)	$114,929
	(2)	55,900
Fisher McNulty, Fresno	(1)	121,249
	(2)	.....
N. H. Sjoberg, S. F.	(1)	122,494
	(2)	.....
Trewhitt-Shields, Fresno	(2)	$ 55,890

Board has recommended to PWA that contract be awarded to W. J. Ochs.

16—BANKS, STORES AND OFFICES

Contract Awarded
ALTERATIONS Cost, $——
EUREKA, Humboldt Co., Cal.—Sixth and G Streets.
Alterations to store building (electrical work, plumbing, painting, etc.)
Owner—Andy Williams Food Store.
Architect—Not Given.
Contractor—Andrew Knudsen, Eureka.
Electrical Work—Electric Motor Shop.
Plumbing—Ryan Plumbing Company.
Painting—Winters Brothers.
All of Eureka.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 300 Fairfax Avenue.
Alterations to tavern.
Owner—George's Shrimp Co., Urem.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 1120 Market Street.
Alterations to store building.
Owner—Morris Rosenberg, 1126 Market St., San Francisco.
Architect—Not Given.
Contractor—Royal Showcase Co., 770 McAllister St., San Francisco.

Additional Contracts Awarded
STORE Cost, $42,000
SAN JOSE, Santa Clara Co., Cal. 148 South First and Second Streets.
Remodel present 2-story brick store building and construct new connecting 1-story concrete store; enclosing walls, Summerbell roof trusses (42x137 ft.)
Owner—Louis and Irene Sonniksen, 485 N. First St., San Jose.
Const. Manager — Frederick Whitton, 369 Pine St., San Francisco.
Finish Carpentry—H. A. Bridges, 1398 Lincoln Ave., San Jose.
Mill Work—Pacific Manufacturing Co., Santa Clara.
Sheet Metal & Ventilating—A. J. Peters & Sons, 455 E. Washington St., San Jose.

As previously reported, excavation, concrete and roofing awarded to H. A. Bridges, San Jose; plumbing to A. J. Peters & Sons, San Jose; electric to Gilbert Bros., 286 W. Santa Clara St., San Jose.

PLANS BEING FIGURED

WEST LOS ANGELES, Cal.—Architect Allen G. Siple, Room 8, 450 North Beverly Drive, Beverly Hills, is taking bids from a closed selected list of contractors for a one-story and mezzanine reinforced concrete store building to be built at the corner of Westwood Blvd. and Kinross Ave., West Los Angeles, for Mrs. C. W. Mitchell. Will be L-shaped, covering an area of 100x90 feet, and will contain five store rooms. Portion of building has been leased to Owl Drug Co. Marble, terra cotta and structural glass facing, plate glass, copper store fronts, steel sash, concrete and wood floors, shingle tile and composition roofing structural steel.

CONTRACT AWARDED

LOS ANGELES, Cal.—Wm. Simpson Construction Co., Architects' Bldg., awarded contract by California Fruit Growers' Exchange, for construction of a six-story, Class A office building on the northwest corner of Fifth and Hope Streets. Work will not be started until after the rainy season, probably in April or May. The exchange will occupy the entire building, the ground floor to be used for garage purposes and the upper five floors for offices. It will cover an area of 85x165 feet and will be constructed of reinforced concrete, with pan or tile inserts, concrete exterior, one freight and two passenger elevators, steel windows, steam heating system, etc. Investment in the site and building will total about $400,000. A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Architects.

CONTRACT AWARDED

TORRANCE, Los Angeles Co., Cal.—A. D. Chisholm Co., 3981 W. Sixth St., Los Angeles, awarded contract for a frame and stucco office building at 20,201 S. Normandie Ave., Torrance, for Hughes Mitchell Process, Inc. B. M. Priteca and S. E. Sonnichsen, 411 W. 7th St., Los Angeles. The structure will contain between four and five thousand square feet of floor space.

CONTRACT AWARDED

LOS ANGELES, Cal.—Wesco Construction Co., 2000 Hyperion Avenue, awarded contract for a reinforced concrete market and store building, (150-100 feet) to be built at the SW corner of Yucca and Argyle Sts. for H. E. Bartlett, Inc. J. A. Murrey, 6362 Hollywood Blvd., Architect. Steel market doors, steel sash, plate glass, toilets, concrete floors, etc.

Sub-Contracts Awarded.
OFFICE Cost, $8000
SAN FRANCISCO. SW Sixteenth and Illinois Streets.
One-story frame office, garage and warehouse.
Owner — Rio Grande Oil Co., 417 S. Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor — Harman-Pacific Co., 7 Front St., San Francisco.
Plumbing—James H. Pinkerton, 927 Howard St., San Francisco.
Electric—Collonan Elec. & Mfg. Co., 3201 Mission St., San Francisco.
Lumber — Rolando Lumber Co., 301 Berry St., San Francisco.
Painting and plastering awards will be made shortly.

CONTRACT AWARDED

SANTA BARBARA, Cal. — W. L. Snook, 210 La Arcada Bldg., Santa Barbara, awarded contract for remodeling the Diehl Building at 823-825 State St., Santa Barbara, for the W. T. Grant Co. The interior of the structure will be completely remodeled and a new front will be constructed. Cost $20,000. An equal amount will be spent for store fixtures and equipment. Marshall R. Lawson, 614 S. Pacific Ave., San Pedro, architect.

Contract Awarded.
ALTERATIONS Cost, $4000
SACRAMENTO, Sacramento Co., Cal.
Alterations to store building.
Owner — Kimball-Upson, 609 K St., Sacramento.
Architect—Not Given.
Contractor—F. Maloney, 3172 T St., Sacramento.

BIDS OPENED

SAN FRANCISCO.—Frank J. Reilly, 6350 Fulton Street, at $1,683 submitted low bid to Department of Public Works for alterations in the Grand Jury Room, City Hall. Work includes lathing, plastering, marble, tile work, plumbing, staining and varnishing, mill work, cabinet work, etc.

Complete bids follow:

Frank J. Reilly	$1,683
J. Harold Johnson	1,878
O. Monson	1,930

Bids held under advisement.

Contract Awarded.
ALTERATIONS Cost, $1145
SAN FRANCISCO. No. 2525-27 Mission Street.

Alterations and repairs to store.
Owner — Philip Grethel, 405 Waller St., San Francisco.
Architect—Not Given.

17— THEATRES

Excavation Started.
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Cal.
One-story and balcony reinforced concrete theatre building (to seat 850); tar and gravel roof, air conditioning system, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco.
Contractor — Salih Bros., 25 Taylor St., San Francisco.

PREPARING PLANS
LOS ANGELES, Cal.—Architect S. Chas. Lee, 2404 W. 7th St., is preparing plans for a theater building to be built in Los Angeles for a client. It will seat 900 people and will contain four store rooms. Construction will be of reinforced concrete, composition roofing, structural steel, cement plaster facing, marble, tile and structural glass facing, terrazzo, concrete floors, heating and ventilating system, plate glass, copper fronts, acoustical plaster, tile toilet floors, etc. Cost, $75,000.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal. —Wm. Degan, 2055 Santa Clara St., Alameda, at $1,931 awarded contract by Ninth Corps Area, Presidio, San Francisco, under Bid No. C.P. 1084 SC 35-1 for the construction of an extension of underground telephone cable system at Hamilton Field. Complete bids published Sept. 6.

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Contract Awarded
ALTERATIONS Cost, $9000
SAN FRANCISCO, Fifth and Mission.
Alterations to lobby and depot of Pacific Greyhound Lines.
Owner—Pacific Greyhound Lines, 5th and Mission Streets.
Architect—W. D. Peugh, 338 Montgomery Street.
Contractor—G. P. W. Jensen, 320 Market Street.

BIDS OPENED
PORTLAND, Ore.—Commercial Iron Works, 412 SE Stephens St., Portland ta $15,530 submitted low bid to U. S. Engineer Office, Customhouse, Portland, Sept. 14, under Bid No. 35-107, for constructing 2 self-propelling anchor barges and delivering them afloat on the Willamette river at Government Moorings, No. 8010 NW. St. Helens Road, Portland.
Complete bids follow:

Commercial Iron Works, Portland	$15,530
Carl Detering, receiver, King Bros., Portland	17,850
Steel Fabricators, Inc., Seattle	19,438
Engineer's estimate	15,750

BIDS WANTED
SAN BERNARDINO COUNTY, Cal. —Until 2 P. M., Oct. 1, bids will be received by the Metropolitan Water District of Southern California, at 306 W. Third St., Los Angeles, for the construction of nine frame buildings at Division 2 headquarters, near Rice, San Bernardino county. The group will consist of an office building, mess hall, one 12-car garage and repair shop, warehouse, three 5-room cottages, one 20-man dormitory and one fan house, together with appurtenant sewers, sewage disposal plant and water supply system. Certified or cashier's check for $2000 must accompany each bid. Bidding data may be obtained at Rm. 1007, 307 W. Third St., Los Angeles, or at the District's office at Banning, upon payment of $3, not returnable. F. E. Weymouth, general manager and chief engineer.

Contract Awarded
ALTERATIONS Cost, $6000
SAN FRANCISCO, 2500 16th Street.
Alterations to animal home and hospital.
Owner—Society for the Prevention of Cruelty to Animals.
Architect—D. D. Stone, 110 Sutter St.
Contractor—Lindgren and Swinerton, 225 Bush Street.

COMPLETING PLANS
PALO ALTO, Santa Clara Co., Cal. —Municipal Utilities Department is completing plans for construction of a butane gas plant auxiliary to the municipal gas plant. Construction and equipment will include two fuel containers, compressors, heat exchangers and regulators and small building to house plant.
Estimated cost, $20,000. Work probably will be done with city's forces. L. H. Anderson, director of utilities.

ELECTION
HOLLISTER, San Benito Co., Cal. —Proposal to form a public utility district in Hollister and vicinity was defeated by a vote of 2437 to 928.

PURCHASE PLANNED
REDWOOD CITY, San Mateo Co., Cal.—City Council has voted to request an appraisal of the Pacific Gas & Electric Co. electrical distribution system in the city by the State Railroad Commission, preliminary to consideration of purchase of the properties for operation by the municipality.

PLANNED
SAN DIEGO, Cal.—D. M. Denton, manager of the Vitrified Products Corporation, 2841 Jefferson St., San Diego, has applied to the city council for permission to construct an automobile court near the intersection of Rosecrans St. and Pacific Blvd., San Diego. The proposed court will contain between 40 and 50 units, will be constructed of brick and hollow tile and is estimated to cost $35,000.

PROSPECTIVE BIDDERS
SAN BERNARDINO COUNTY, Cal. —Contractors who have procured plans for the purpose of submitting bids for the construction of nine frame buildings at Division 2 headquarters, near Rice, San Bernardino County, bids for which will be opened by the Metropolitan Water District of Southern California, 306 W. Third St., Los Angeles, at 2 P. M., October 1 are:
Pacific System Homes, Inc., 5800 S. Boyle Ave., Los Angeles.
Cresmer Manufacturing Co., 2601 Third St., Riverside.
John W. Flanagan, 1723 W. 52nd St., Los Angeles.

CONTRACT AWARDED
SAN DIEGO, Calif. — Acme Ornamental Iron Works, 1456 J St., San Diego, at $2,478 awarded contract by the Public Works Officer, Headquarters, 11th Naval District, San Diego, under Spec. No. 7738, for replacement of steel platform plates at tops of three 600-ft. radio towers at the Naval Operating Base (Chollas Heights Radio Station).

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
OAKLAND, Cal. — Bunker Hill & Sullivan Mining & Concentrating Co., Crocker Bldg., San Francisco, at $74 per ton, total $3700 submitted low bid and awarded contract by East Bay Municipal Utility District, Oakland, for furnishing 50 tons of pipe lead in 100 lb. bars, delivered to Corporation Yard, under Proposal 556.
Federated Metals Corp. at $78 per ton, total $3900, submitted the only other bid.

BIDS OPENED
OAKLAND, Cal.—Following bids received by the Oakland City Council for rental of trucks for the City of Oakland: (1) hand loading; (2) bunker or crane loading:

	(1)	(2)
A. Texeira, Oakland	$0.824	$1.09
H. C. Pendleton	.75	.75
Loius Green, Oakland	.82	1.59
Bruno, Skibo, Oakland	.82	1.09
F. P. Kaiser	.80	.90
F. Mullineaux, Oakland	.82	1.09
Geo. P. Freitas	.82	1.09

Blds held under advisement.

BIDS OPENED
GOVERNMENT ISLAND, Cal.—H. H. Robertson Co., 200 Grant Bldg., Pittsburgh, Pa., submitted the only bid to Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing two lots of structural metal flooring as follows:
(1) 1 lot for Balm of Gilead Creek Bridge, complete; (a) f.o.b. Bidder's shipping point; (b) f.o.b. Dos Rios.
(2) 1 lot for Upper Relief Bridge complete; (a) f.o.b. bidder's shipping point; (b) f.o.b. Sonora.
The bid was:
(1a) $291; (1b) $482; (2a) $262; (2b) $419.

CONTRACT AWARDED
SAN FRANCISCO—J. H. Krumlinde & Co., at (1) $0.9825 and (2) $0.8375 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, for hauling approximately 9,300 tons of 6-8- 12- and 16-in. bell and spigot cast iron pipe (1) from Balboa Reservoir, and (2) from University Mound Reservoir.

BIDS OPENED
SAN FRANCISCO—U. S. Pipe and Foundry, Monadnock Bldg., San Francisco, at $348,250.35 submitted the only bid to T. A. Brooks, City Hall, under Bid No. 1258, for furnishing 7469 tons of cast iron bell and spigot, and double spigot pipe.

Phone TRinity 0241 for — Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
656 S. Los Angeles St. Los Angeles, Calif

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until September 26, 8 P. M., bids will be received by the East Bay Municipal Utility Dist., John W. Kimball, Secretary, 512 16th St., Oakland, under Spec. No. LS 130, for furnishing and installing two centrifugal pumps and motors at the Orinda Filter Plant. *

STANISLAUS COUNTY

MODESTO, Cal.—Until October 8, 3 P. M., bids will be received by the Modesto Irigation District, J. S. West President, C. S. Abbott, Secretary, 823 Eleventh St., Modesto, for furnishing and delivering the following to the Modesto Irrigation District:

SPEC. NO. E-20, Proposal for furnishing and delivering high voltage transformers to the Electric Department of the District.

SPEC. NO. E-21, Proposal for furnishing and delivering feeder voltage regulators to the Electric Department of the District.

Specifications obtainable from above Secretary.

RECLAMATION SERVICE

BOULDER CITY, Nev.—Until Oct. 15, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, under Spec. No. 595, for furnishing and delivering fob cars at the factory shipping point or at Boulder City, three deep well turbine type, motor-driven, pumping units of 5,000 gals. per minute capacity; one deep well turbine type, motor-driven pumping unit of 1,600 gals. per minute capacity; two portable deep well turbine type, motor-driven pumping units of 1,500 gals. per minute capacity; 12 gear or screw type, motor-driven, oil pumping units, capacity not less than 100 gals. per minute; one gear or screw type, motor-driven, oil pumping unit, capacity 50 gals. per minute; one gear or screw type, motor-driven, oil pumping unit, capacity 7 gals. per minute; one portable high pressure, rotary piston type motor-driven pump and accessories, of not less than ½-gal. per minute capacity; fifteen water jet eductors; two air compressors, capacity 330 cu. ft. of air per minute; one air compressor, capacity 180 cu. ft. per minute; two air receivers and four pressure regulators for installation in the Boulder Dam power plant.

Specifications obtainable from above office without charge to prospective bona fide bidders, to others, $0.75, not returnable.

STATE OF OREGON

LA GRANDE, Oregon—Until Oct. 1, 9 A. M., bids will be received by the State Highway Commission, Auditorium, Third Floor Public Service Bldg., Portland, for the sale of the following used equipment and approximate quantities of scrap metals, etc., located at the Highway Department Equipment Plant at La Grande, Oregon:

USED EQUIPMENT

1 Nash Quad truck; 1 5-ton Artillery tractor, 1 Caterpillar tractor; 3 Fordson tractors; 3 Bollers; 1 Mower 1 Pump; 1 Conveyor frame; 1 Fuel tank; 5 steel water tanks, (one tank stored at Boardman, Oregon); 50 Gasoline tanks; 7 Hydraulic hoists. Used part for Arillery type tractor; 75 Obsolete tire rims; 70 Presto-Lite tanks.

SCRAP MATERIALS

300 lbs. scrap bronze; 3000 lbs. scrap aluminum; 2 tons scrap cast iron; 40 tons scrap steel; 16 tons old tires; 72 old batteries; and 16 old radiator cores.

Proposal blanks and full information for bidders may be obtained at the office of the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until October 5, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1261, for furnishing cast iron specials.

Specifications obtainable from above office upon deposit of $10. *

SAN FRANCISCO.—Until October 5, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1260, for furnishing cast steel specials.

Specifications obtainable from above office upon deposit of $10. *

SAN FRANCISCO—Until October 5, 3 P. M., as previously reported, bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1260, for furnishing cast steel specials as follows:

(1) 79 tons cast steel sleeves.
(2) 21 tons cast steel crosses.
(3) 34 tons cast steel tees.
(4) 35 tons cast steel hydrant tees.
(5) 16 tons cast steel valve reducers.
(6) 9 tons cast steel elbows.

Specifications obtainable from the above office upon deposit of $10.

SAN FRANCISCO—Until Sept. 24, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, for furnishing lumber for Camp Mather Recreation Department.

Specifications obtainable from the above office. Bid No. 1270. *

SAN FRANCISCO—Until Oct. 5, 3 P. M., as previously reported, bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1261, for furnishing cast iron specials as follows:

(1) 34 tons cast iron sleeves.
(2) 81 tons cast iron hydrant tees.
(3) 5 tons cast iron offsets.
(4) 8 tons cast iron line reducers.
(5) 27 tons cast iron valve reducers.
(6) 20 tons cast iron elbows.
(7) 12 tons cast iron caps.
(8) 9 tons cast iron plugs.

Specifications obtainable from the above office upon deposit of $10.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until September 24, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1215, for furnishing select structural grade Douglas Fir lumber, f.o. b. bidder's shipping point and/or destination shown:

(1) 8120 bd. ft.; f.o.b. Calpine;
(2) 26,211 bd. ft.; f.o.b. Sterling City.

Specifications obtainable from above office *

GOVERNMENT ISLAND, Cal.—Until Sept. 24, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1216, for furnishing 125 bbls. of Portland cement in paper sacks, 4 94-lb. sacks per bbl.

Delivery f. o. b. bidder's shipping point and/or f. o. b. Sterling City. *

ALAMEDA COUNTY

ALBANY, Cal.—Until September 24, 8 P. M., bids will be received by the Albany City Council, City Hall, H. W. Brewer, City Clerk, for furnishing one 1½ yd. dump truck.

Specifications obtainable from the above office. *

CALIFORNIA STATE

SACRAMENTO, Cal.—Until September 25, 2 P. M., bids will be received by the State Bureau of Purchases, Sacramento, J. F. Mispley, State Purchasing Agent, for furnishing gasoline and distillate tank wagon delivery to the Division of Highways and its various other departments and State institutions, for the quarter ending December 31, 1934.

Specifications obtainable from the above office. *

SACRAMENTO, Cal.—Until Sept. 25, 2 P. M., bids will be received by the Bureau of Purchases, Sacramento, J. F. Mispley, State Purchasing Agent, for furnishing gasoline delivered into State's motor vehicle at service stations through the medium of credit cards, for the period ending December 31, 1934.

Specifications obtainable from the above office. *

CANAL ZONE

PANAMA CANAL ZONE.—Until Oct. 1, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2997, for furnishing miscellaneous supplies, materials and equipment, including: bronze (grilles, wicket signs and letter-drop frames), pull boxes, fusible plugs, test clips, sheet celluloid, Bakelite washers, journal jacks, spades, scythe snaths, screw clamps, breast drills, twist drills, hand taps, pipe taps, reamers, windshield wipers, folding rules, carpenters' planes, copper netting, sheathing felt, boiler lagging, strip-rubber packing, Ferrosilicon, Calcium chloride; copper sulphate, yellow ochre and paraffin wax.

Specifications obtainable from above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

NEVADA COUNTY

GRASS VALLEY, Calif.—Until Sept. 26, 8 P. M., bids will be received by the Grass Valley School Board for furnishing 10,000 gals. of 16 gravity fuel oil. Bids are to be submitted to Clerk Leonard Prisk at Bank of America, and will be opened at the Columbus School building.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Dispasal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until October 1, 10 A. M., bids will be received by the Sacramento County Board of Supervisors, Court House, Sacramento, Wm. H. Young, Clerk, for the construction of a trestle at Benson Ferry on the Lower Stockton Road, 25 miles south of Sacramento.

The work involves:
(1) 8,888 l.f. furnishing piles;
(2) 5,520 l.f. driving piles;
(3) 21,428 MFBM redwood caps and dirt stop;
(4) 7.2 MFBM redwood X-bracing;
(5) 196.992 MFBM redwood stringers; scabs and bridging;
(6) 57.736 do sub-floor;
(7) 41.496 MFBM redwood posts, railings, blocks;
(8) 595.2 c.y. concrete;
(9) 98,814 lbs. reinf. steel;
(10) 100 c.y. excav. and backfill;
(11) lump sum, removal of old trestle.

Plans and specifications obtainable from County Engineer John J. Rooney upon deposit of $10.00.

BIDS WANTED

SHASTA COUNTY, Cal.—Until Oct. 2, 2 P. M., bids will be received by the Shasta County Board of Supervisors, Redding, for the construction of a concrete and steel bridge across Rock Creek on the Iron Mountain Highway. Estimated cost $6000.

CONTRACT AWARDED

MARIN COUNTY, Cal.—Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at $6,832 awarded contract by the State Highway Commission, Sacramento, for repairing protection fenders and constructing pile protection on the bridge across Corte Madera Creek at Greenbrae, Marin County.

BIDS WANTED

BAKER COUNTY, Ore.—Until Oct. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a bridge over Burnt River and approaches thereto on the Baker - Unity Highway near Unity, Baker Co. National Recovery Project NRS 235-A.

The work involves:
(1) 70 c.y. excavation;
(2) 128 c.y. concrete;
(3) 20,000 lbs. metal reinforcement;
(4) 9 MFBM treated lumber;
(5) 46,000 lbs. structural steel;
(6) 208 l.f. composite handrail;
(7) 1,500 c.y. embankment in place;
(8) 300 c.y. selected roadbed topping;
(9) 120 c.y. crushed rock surfacing.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.00.

BIDS WANTED

SHASTA COUNTY, Cal.—Until Oct. 2, 2 P. M., as previously reported, bids will be received by the Shasta County Board of Supervisors, Redding, for the construction of a bridge with concrete foundations and timber superstructure, across Rock Creek on the Iron Mountain Highway. Lump sum bids are asked. Estimated cost, $4,500.

Plans and specifications obtainable from County Surveyor C. R. Wiegel.

CONTRACT AWARDED

MENDOCINO COUNTY, Cal.—F. S. Mitchell, Ukiah, at $1997.50 submitted low bid and awarded contract by the Mendocino County Board of Supervisors, September 11, for the construction of a piled timber bridge over Redwood Valley Creek in Redwood Valley about ¼ mile west of Howland's Store in Mendocino County. Complete bids follow:

W. H. Whited, Willits	$2075.00
Frank Bryant	2123.00
R. S. Muir, Redwood Valley	2200.00
Chas. Swanfelt, Ukiah	2200.00
C. A. Steele, Willits	2211.05
C. W. Gibson, Ukiah	2316.00
E. W. Peterson	2575.00
E. L. Titus, Point Arena	2600.00

CONTRACT AWARDED

YAKIMA COUNTY, Wash. — R. A. Geary, 102 N. 26th St., Yakima, at $16,997 submitted low bid and awarded contract by Washington State Highway Directors, Olympia, Sept. 11, for grading and clearing about 0.4 mile and constructing reinforced concrete girder bridge 114 ft. in length on State Road No. 8, Yakima river vicinity, Section 2, between Buena and Toppenish, Federal Land Project No. 6, in Yakima County.

Complete bids follow:

R. A. Geary, Yakima	$16,997
Elliott & Co., Inc., Seattle	18,230
Lidral Const. Co., Seattle	18,881
C. L. Creelman, Seattle	21,861
G. M. Barber, Prosser	21,942
Andrew Sather, Seattle	23,824
Hallstrom & Hallstrom, Seattle	24,977
S. G. Morin, Spokane	24,948
H. J. Adler, Tacoma	22,375

BIDS WANTED

LINN COUNTY, Oregon—Until Oct. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for widening of Oak Creek and Salt Lake Creek Bridge on the Pacific Highway south of Albany, Linn County, National Recovery Project No. NHR 46-B. The work requires approximately 400 cu. yds. excavation; 212 cu. yds. concrete; 25,000 lbs. metal reinforcement; and 320 lin. ft. concrete handrail.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

BIDS WANTED

CLACKAMAS COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Orgeon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for the construction of substructure for crossing of East Portland-Oregon City Highway under Southern Pacific Company's railroad tracks at Milwaukee. National Recovery Project No. NRM 168-G. The work required approximately 220 cu. yds. excavation; 530 cu. yds. concrete, and 44,000 lbs. metal reinforcement.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. Soda & Son, 1077 65th St., Oakland, at $3036.36 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the construction of two reinforced concrete culverts on Louis Road in Supervisor District No. 5; one across Clark Ditch and one across Matadero Creek. The other bids were:

O. G. Ritchie, San Jose	$3655.00
L. F. Piazza, San Jose	3688.00
Collins & Martin, San Jose	3746.00
Earl W. Heple, San Jose	3944.00
C. Cacitti, Los Gatos	4678.55

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. Soda & Son, 1077 65th St., Oakland, at $1561 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the conatruction of a reinforced concrete culvert on Summerhill Avenue in Supervisor District No. 5. The other bids were:

O. G. Ritchie, San Jose	$1890
C. Cacitti, Los Gatos	1984.75
Collins & Martin, San Jose	2231.00
Earl W. Heple, San Jose	2430.00

PLANNED

STANISLAUS COUNTY, Cal.—Stanislaus County Board of Supervisors has authorized County Engineer Geo. Macomber to design a temporary pile bridge to be constructed across the San Joaquin River at Las Palmas Ave., Patterson. The cost will be shared by the Patterson Water Co. which will erect a retaining dam to raise the level of the water at the bridge site. J. P. Sillerman is engineer for the water company. Estimated cost, $20,000.

CONTRACT AWARDED

SAN DIEGO, Cal.—T. B. Penick & Sons, 3075 L St., San Diego, at $4,044 submitted low bid and awarded contract by the San Diego County Supervisors Sept. 17, for constructing a 75-ft. steel I-beam bridge at the crossing of road survey 304 with the tracks of the A. T. & S. F. Ry. Co. at Linda Vista.

The other bids were:

M. H. Golden, San Diego	$4,140
Miracle Co., San Diego	4,674
J. A. Hunt, East San Diego	4,722
C. E. Martin	4,959
V. R. Dennis Const. Co., San Diego	5,400

CONTRACT AWARDED

ELKO COUNTY, Nevada — N. M. Ball, 1889 Yosemite Road, Berkeley, at

$44,716.30 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of an overpass over the Southern Pacific Railway at Wells in Elko County, Route 13, Section C1, a length of 0.43 mile.

Hoops Constr. Co., Twin Falls, Idaho, at $45,600.92 submitted second low bid. Complete bids will be published shortly.

22—DREDGING HARBOR WORKS EXCAVATION

FINANCING APPROVED

VENTURA COUNTY, Cal.—State Railroad Commission has approved application of the Hueneme Dock Corporation to issue $1,000,000 in stock for financing construction of a terminal at Hueneme, Ventura County.

A PWA loan of $1,600,000 has been allotted the corporation to be secured by bonds. Total cost of the first unit of construction planned is $2,600,000.

The balance over the government loan will be financed by issuing stock to land owners, for lumber used in construction, to cover costs of working capital, and for construction, under agreements already completed.

The port will be managed by McCormick Steamship Company.

As part of the first unit, jetties are to be constructed into the Pacific Ocean on either side of the submarine valley, which approaches close to the shore at Point Hueneme, Calif. A ship canal 400 feet wide at the bottom and 35 feet deep is to be dredged and constructed through submerged and tide lands and uplands at Point Hueneme to a distance of about 1700 feet inshore from mean high tide opening into a central maneuvering basin approximately 1200 to 1400 feet and 30 feet deep and constructed upon lands to be acquired by the company. A wharf 1200 feet long is to be built along the southerly side of said basin and railroad trackage connecting the same with the line of the Ventura County Railroad. A transit shed about 160 by 500 feet is to be rected and about a 15-acre open transit space is to be provided.

BIDS WANTED

SANTA MONICA, Los Angeles Co., Cal.—Until Sept. 25, 10 A. M., bids will be received by the Santa Monica city council for reconditioning and repair of the breakwater in the City of Santa Monica in accordance with plans and specifications No. 61. Certified check, 10%.

Bids will be taken as follows:

(1) 1000 tons all sizes of rock in place in breakwater;

(2) 20 tons lifting and resetting of stone now in place in breakwater above mean lower low water;

(3) quantity as required by city, lifting and reseating of stone now in place in breakwater below mean lower low water and 5 ft. below low mean low water;

(4) furnishing in quantity as required by the city all sizes of additional rock in place in breakwater.

ENGINEER APPOINTED

MARTINEZ, Contra Costa Co., Cal.—Martinez City Council has appointed Lochiel M. King, Alameda, consulting engineer for the construction of Martinez yacht harbor. The appointment is contingent upon passage of a bond issue of $38,000 to be submitted at a special election September 25, which will finance the construction work together with a PWA grant of $15,000. E. Goeffrey Bangs, 361 17th St., Oakland, is the architect.

CONTRACT AWARDED

SACRAMENTO, Cal.—S. H. Palmer Co., 444 Market St., San Francisco, at $85,517 awarded contract by the U. S. Engineer Office, Room 208 Post Office Bldg., Sacramento, under Spec. No. 6417, for the construction of the Butte Slough culvert type outfall gates for the passage of flood waters from Butte Basin to the Sacramento River. Seven of the pipes are to be located in Butte Slough about 3.75 miles downstream from Colust, and one pipe will be placed in a small drainage ditch about 0.5 miles upstream from the junction of Butte Sleugh and Sacramento River, near "Jap Camp."

CONTRACT AWARDED

SACRAMENTO, Cal.—Basalt Rock Co., Inc., 900 8th St., Napa, at $28,000 awarded contract by the U. S. Engineer Office, Sacramento, under Spec. 6588, for furnishing, delivering and placing approximately 16,000 tons of Class A or Class B riprap stone in sizes 20 to 300 lbs., along the banks of the Sacramento River at various points between the mouth of Cache Slough and Collinsville.

BIDS REJECTED

GOVERNMENT ISLAND, Cal.—All bids received by U. S. Coast Guard, Washington, D. C., March 1, for the construction of a steel sheet pile bulkhead ,approximately 1,528 ft. in length, boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island, Oakland, have been rejected.

Specifications will be revised and St., San Francisco, submitted low bid at $328,000.

Healy-Tibbitts Const. Co., 64 Pine new bids asked.

23— IRRIGATION PROJ.

BOND ELECTION

STANISLAUS COUNTY, Cal.—Modesto Irrigation District directors have set October 9 as the date for a special election at which a proposal will be submitted to issue $177,000 in revenue bonds to be security for a loan of $157-500 from the PWA. A grant of $67,500 has been allotted with the loan. The money is to be used for construction of a transmission line to cost $60,000 and for concrete lining and canal structures to cost $165,000. The revenue bonds will be issued against anticipated income of the district's electrical department.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during August, 1934:

App. 8048 (Siskiyou County) H. G. Fischer, Dunsmuir, for 16,000 gals. per day from Branstetter Creek tributary to Sacramento River. To be diverted for irrigation purposes on one acre. Estimated cost $600.

App. 8049 (Humboldt Co.) Carl and Minnie Marcussen, Ferndale, for 0.1 cu. ft. per second from Mattole River, tributary to Pacific Ocean. To be diverted for irrigation and domestic purposes on 4¾ acres. Est. cost, $500.

App. 8050 (Trinity Co.) R. M. Thomas, 113 N. 24th St., San Jose, for 25 cu. ft. per second from Rattlesnake Creek tributary to North Fork Trinity River. To be diverted for mining and domestic purposes.

App. 8051 (Plumas County) U. S. Plumas National Forest, Quincy, for 30,000 gals. per day from a spring tributary to Middle Fork of Feather River. To be diverted for domestic purposes.

App. 8052 (Riverside County) County of Riverside, Riverside, for 0.04 cu. ft. per second from an unnamed spring tributary to South Fork of San Jacinto River. To be diverted for recreational purposes. Estimated cost $800.

App. 8053 (Siskiyou Co.) Alice Livesay, Fort Jones, for 3 cu. ft. per sec. from Boulder Creek tributary to Scott River. To be diverted for recreational purposes. Est. cost, $200.

App. 8054 (Placer Co.) F. W. Links and T. H. Mugford, Sacramento, for 5,000 gals. per day from Lake Tahoe. To be diverted for domestic purposes. Est. cost, $800.

App. 8055 (Trinity Co.) Geo. E. Adblez, Hayfork, for 0.05 cu. ft. per sec. from Dry Gulch, tributary to Hayfork Creek. To be diverted for domestic and stock watering purposes. Estimated cost, $100.

App. 8056 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 0.005 cu. ft. per second from Cienega, tributary to Santa Clara River via Castaic Creek, to be diverted for recreational and fire protection purposes. Est. cost, $100.

App. 8057 (Los Angeles Co.) U. S. Angeles National Forest, Los Angeles, for 0.004 cu. ft. per sec. from Willow Spring tributary to Santa Clara River. To be diverted for domestic and fire protection purposes. Est. cost, $100.

App. 8058 (Siskiyou Co.) W. E. Hittson, Medford, Ore., for 3 cu. ft. per sec. from Whiskey Creek tributary to Middle Fork Applegate River. To be diverted for mining purposes.

App. 8059 (Madera County) Dr. Roy S. Lanterman, Glendale, for 0.5 cu. ft. per second from Jackass Creek tributary to San Joaquin River. To be diverted for mining and domestic purposes.

App. 8060 (Mendocino Co.) Alonzo Rusk, Ferndale, for 3 cu. ft. per sec. from Cedar Creek tributary to Eel River. To be diverted for power purposes. Est. cost, $500.

App. 8061 (Butte Co.) S. L. Elliott, Oroville, for 0.125 cu. ft. per sec. and 1 acre foot per annum from Swartz Creek tributary to South Fork Feather River. To be diverted for mining purposes. Est. cost, $1500.

App. 8062 (San Bernardino Co.) Department of Playground and Recreation, 305 City Hall, Los Angeles ,for 0.04 cu. ft. per sec. from an unnamed spring tributary to Seeley Creek. To be diverted for recreational purposes. Est. cost, $400.

App. 8063 (El Dorado Co.) Henry S. Garibaldi, Amador City, for 25 cu. ft. per sec. from Sopiago or Clear Creek tributary to Middle Fork Cosumnes River. To be diverted for mining and domestic purposes.

App. 8064 (Humboldt Co.) Fred B. Barnum, Eureka, for 0.06 cu. ft. per second from Spring Creek tributary to Trinity River. To be diverted for domestic and recreational purposes. Estimated cost, $400.

App. 8065 (San Bernardino Co.) S. F. Lloyd, 405 W. Adams St., Los Angeles, for 30,000 gals. per day from Quail Spring tributary to no stream. To be diverted for mining and domestic purposes. Est. cost, $500.

App. 8066 (Ventura Co.) Frank D. and Ella P. Felt, Wheeler Springs, for 0.06 cu. ft. per sec. and 5 ac. ft. per annum from Chorro Grande Creek and four springs tributary to Sespe Creek. To be diverted for irrigation and domestic purposes on 5 acres. Est. cost $500.

App. 8067 (Inyo County) Division of Highways, Bishop, for 0.025 cu. ft. per second from Bachelder Spring tributary to Owens River. To be diverted for domestic purposes for public on State highway. Est. cost, $100.

App. 8068 (Modoc Co.) South Fork Irrigation Dist., Alturas, for 20 cu. ft. per sec. and 1000 ac. ft. per annum from Mill Creek and Clear Lake tributary to South Fork Pit River. To be diverted for power purposes, 1363 -hp. developed. Est. cost, $30,000.

App. 8069 (Modoc Co.) South Fork Irrigation Dist., Alturas, for 1000 ac. ft. per annum from Clear Lake tributary to South Fork Pit River. To be diverted for irrigation, domestic and

stock watering purposes on 12,600 ac. Est. cost, $30,000.

App. 8070 (Placer Co.) J. H. Stephens, Sacramento, for 90 cu. ft. per sec. from East Fork Monumental Creek, Monumental Creek, Onion Valley Creek North Branch of North Fork of North Fork of American River, Sailor Canyon, Fulda Creek, Beaver Creek and Texas Creek tributary to North Fork of North Fork of American River. To be diverted for mining purposes. Est. cost, $21,683.

App. 8071 (Placer Co.) J. H. Stephens, Sacramento, for 20 cu. ft. per sec. from Blue Canyon Creek tributary to North Fork of North Fork of American River. To be diverted for mining and domestic purposes.

App. 8072 (Orange Co.) H. H. Gardner, Orange, for 12 ac. ft. per annum from two unnamed springs and gullies tributary to Santa Ana River. To be diverted for irrigation and domestic purposes on 77 acres.

App. 8073 (Siskiyou Co.) Arthur E. Bright, Hornbrook, for 2 ac. ft. per annuum from unnamed spring tributary to Klamath River. To be diverted for domestic purposes.

App. 8074 (Trinity Co.) A. C. MacMillan, Trustee, Weaverville, for 275 cu. ft. per second from Stewart Fork, Stoney Creek and Mule Creek tributary to Trinity River. To be diverted for mining purposes.

App. 8075 (Imperial Co.) George H. Jones, Brawley, for 5 cu. ft. per sec. from New River. To be diverted for irrigation purposes on 350 acres.

App. 8076 (Imperial Co.) S. A. Gerrard Co., Brawley, for 25 cu. ft. per second from New Rriver. To be diverted for irrigation purposes on 350 acres.

App. 8077 (Trinity Co.) R. M. Thomas, San Jose, for 15 cu. ft. per second from Rattlesnake Creek tributary to North Fork of Trinity River. To be diverted for mining and domestic purposes.

App. 8076 (Trinity Co.) R. M. Thomas, San Jose, for 20 cu. ft. per second from Whites Creek tributary to North Fork of Trinity River. To be diverted for mining and domestic purposes.

App. 8079 (Santa Clara Co.) Frank J. Polak, Route 2, Morgan Hill, for 5 cu. ft. per second from Coyote Creektributary to San Francisco Bay. To be diverted for irrigation purposes on 200 acres.

App. 8080 (Shasta Co.) U. S. Shasta National Forest, Mt. Shasta, for 4 cu. ft. per sec. and 3 ac. ft. per annum from Crooks Creek tributary to Squaw Creek, to be diverted for fish culture. Est. cost, $50.

App. 8081 (Solano Co.) F. E. Marshall, et al, care R. Schaefer, agent, Vacaville, for 0.5 cu. ft. per second from Alamo Creek tributary to Cache Slough. To be diverted for irrigation purposes on 40 acres. Est. cost, $500.

App. 8082 (Trinity Co.) W. N. Trimble, Hayfork, for 0.25 cu. ft. per sec. from a gulch tributary to Hayfork creek. To be diverted for domestic purposes. Est. cost, $100.

App. 8083 (Modoc Co.) C. M. Tinsman,Adin, for 0.5 cu. ft. per second from Pit River tributary to Sacramento River. To be diverted for irrigation and domestic purposes on 40 ac.

App. 8084 (Sierra Co.) George W. Hallock, % R. F. Taylor, Downieville, for 12.5 cu. ft. per second from Middle Water Creek tributary to Nigger Canyon and North Fork Yuba River. To be diverted for mining purposes. Est. cost, $10,000.

App. 8085 (Amador Co.) Raymond Silva, Sacramento, for 270,000 ac. ft. per annum from Cosumnes River tributary to Mokelumne River. To be diverted for power purposes, 13,360-hp. to be developed. Est. cost, $5,700,000.

App. 8086 (Amador Co.) Raymond Silva, Sacramento, for 270,000 ac. ft. per annum from Cosumnes River tributary to Mokelumne River. To be diverted for municipal purposes in Sacramento and vicinity.

App. 8087 (Shasta Co.) U. S. Lassen National Forest, Susanville, for 1000 gals. per day from Big Springs tributary to Hat Creek. To be diverted for domestic purposes. Est. cost $300.

App. 8086 (Siskiyou County) H. M. James, Happy Camp, for 1 cu. ft. per sec. from waste water tributary to Little South Fork of Indian Creek. To be diverted for mining and domestic purposes.

PERMITS ISSUED

SACRAMENTO—Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of August, 1934:

4376, Application 7918 (Fresno Co.) Issued to Division of Highways, Fresno, Calif., August 1, 1934, for 2210 gallons per day from an unnamed spring for industrial and recreational purposes. Estimated cost, $50.

4377, Application 7947 (Tulare County) issued to William R. Osborn, Springville, Calif., August 1, 1934, for 7500 gallons per day from an unnamed spring for domestic purposes. Esti. cost, $10.

4378, App. 7841 (Santa Barbara Co.) issued to U. S.-Santa Barbara National Forest, Santa Barbara, Calif., August 2, 1934, for 3250 gallons per day from an unnamed spring for domestic and fire protection purposes. Estimatel cost $650.

4379, App. 7942 (Sierra County) issued to R. F. Taylor, Downieville, Calif., August 3, 1934, for 1.0 cubic foot per second from North Fork Kanaka Creek for mining and domestic purposes. Estimated cost $2500

4380, App. 7942 (Santa Cruz County) issued to Theodore J. Hoover, Stanford University, Calif., August 9, 1934 for 2.2 cubic feet per second and 72 acre feet per annum for storage from Waddell Creek for irrigation of 173.5 acres. Estimated cost, $25,000.

4381, App. 7900 (San Benito County) issued to Lloyd Jones, Idria, Calif., August 11, 1934, for 0.2 cubic foot per second from San Carlos Creek for domestic purposes and irrigation of 15 acres. Estimated cost $200.

4382. App. 7993 (Siskiyou County) issued to Guy Ford, Sawyers Bar, Calif., August 11, 1934, for 2.5 cubic feet per second from E. Fork Whites Gulch for mining and domestic purposes.

4383, App. 7854 (El Dorado County) issued to G. W. Gasser, Roseville, Calif., August 16, 1934, for 2.0 cubic feet per second from Otter Creek for mining purposes. Estimated cost $700.

4384, App. 7948 (Riverside County) issued to the Regents of the University of California, Berkeley, Calif., August 16, 1934, for 0.5 cubic foot per second from surface drainage for irrigation of 671.1 acres. Estimated cost $1000.

4385, App. 7611 (Nevada County) issued to Tom O. Riley, Grass Valley, Calif., August 17, 1934, for 0.01 cubic foot per second from an unnamed spring for domestic purposes and irrigation of 1.34 acres. Estimated cost $300.

4386, App. 7830 (Inyo County) issued to Harry E. Briggs, Trona, Calif., August 21, 1934, for 0.025 cubic foot per second from Redlands Spring for mining and domestic purposes.

4387, App. 7755 (Siskiyou County) issued to L. S. Bonney, Happy Camp, Calif., August 23, 1934, for 1.0 cubic foot per second from Spring Creek for mining and domestic purposes. Estimated cost $300.

4388, App. 7862 (Tehama County) issued to Coneland Water Company, Los Molinos, Calif., August 23, 1934, for 5.0 cubic feet per second from Sacramento River for irrigation of 540.31 acres. Est. cost $4000.

4389, App. 7979 (Sutter County) issued to Aileen B. Armstrong, et al, % J. W. Browning, Attorney, Gridley, Calif., August 29, 1934, for 5.0 cubic feet per second from Butte Slough for domestic purposes and irrigation of 362 acres. Estimated cost $5102.

HEADQUARTERS ESTABLISHED

YUMA, Ariz.—V. H. Gray, Superintendent in charge of construction on the All-American Canal, for W. E. Callahan Const. Co. and Gunther & Shirley, has announced that headquarters offices for the company will probably be located in the vicinity of Winterhave, near Yuma. Temporary shops will be erected at the Laguna Dam. Two carloads of derricks have been shipped to the dam site and excavation on this 30-mile section will start within 90 days. 3

BOND ELECTION

SAN DIEGO, Cal.—An election will be held November 6 to vote on bond issues totaling $1,000,000. They are:

El Capitan Dam pipe line, $500,000 issue providing for the completion of the pipe line.

Hodges Dam repair work, $88,000.

All-American Canal—Ratification of the All-American Canal contract, binding the city to pay $400,000 for the city's share in the canal. The payments will be spread over a period of 40 years without interest. 3

IMPROVEMENTS PLANNED

OAKDALE, Cal.—Oakdale Irrigation Dist. directors have applied to SERA for labor to be used in enlargement and improvement of tunnel and canal conduits. Estimated cost, $50,000. R. E. Hartley, Chief Engineer. 3

FORCE ACCOUNT

CALEXICO, Cal.—Construction of 13 miles of the All - American Canal by force account has been authorized by the Secretary of the Interior. The cost is estimated at $1,000,000, this amount having been transferred from the public works funds. The proposed section will extend from a point north of Calexico to the westside main. Surveys under the direction of H. G. McDowell are being made for the routing of the canal through the central business district as an alternative to building around the city.

24— STREET LIGHTING SYSTEMS

BIDS REJECTED

YREKA, Siskiyou Co., Cal.—All bids received by the Yreka City Council September 6, for laying underground street lighting circuit on Miner Street from Main St. to Oregon St. and on Broadway from Main St. to Lane St. have been rejected and new bids will be asked shortly. The bids were:

A. Young, Yreka $1,975
Electric Supply Co., Yreka..... 2,275

BIDS WANTED

YREKA, Siskiyou Co., Calif.—Until Sept. 20, 7:30 P. M., new bids will be received by the Yreka city council, U. F. Brown, City Clerk, for laying underground street lighting circuit on Miner Street from Main St. to Oregon St. and on Broadway from Main St. to Lane St., Yreka.

Specifications obtainable from above office. 4

25—MACHINERY AND EQUIPMENT

DREDGE REPAIR

WEAVERVILLE, Trinity Co., Cal.—Harvey L. Sorensen, 200 Mission St., San Francisco, is taking figures from a selected list of contractors for re-

construction of the gold dredge "Madrona," located or the Trinity river near Weaverville. The contract will include furnishing considerable machinery and parts necessary to recondition the dredge. 5

BIDS OPENED

EUREKA, Humboldt Co., Cal.—Following bids received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer Eureka, for the rental of three 3-yard dump trucks for approximately 1900 hours:

	Per Hr.
Hayward Bldg. Supply Co., Hayward	$1.65
Garcia Const. Co., Irvington	2.46
Sunset Decomposed Granite Co., Hollywood	2.55
Jack Starkenburg, San Berdo	2.55
M. E. Beckstrom, Trinidad	2.55
N. Giorgi, San Francisco	2.55
Ashurst Bros., Hopland	2.55
Chas. Burnside, Glendale	2.55
Wm. Kern, Weott	2.55
K. N. Dewar, Eureka	2.55
Dalla Rosa Trucking Co., Martinez	3.00

Bids held under advisement.

PROSPECTIVE BIDDERS

LOS ANGELES, Calif.—Contractors and others who have procured plans for furnishing equipment for charging mixing and placing concrete for lining 16-ft. tunnel, in accordace with Spec. No. 73, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Sept. 25, 10 A. M., as previously reported:

Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles.

Bevis Machinery Co., 3649 Santa Fe

A. B. Todd, 2205 Santa Fe Ave., Los Angeles.

Brown-Bevis Equip. Co., 4900 Santa Fe Ave., Los Angeles.

Smith Booth Usher Co., 2001 Santa Fe Ave., Los Angeles.

Garlinghouse Bros., 2416 E 16th St., Los Angeles.

U. S. Electrical Mfg. Co., 200 East Slauson Ave., Los Angeles.

Stephens-Adamson Mfg. Co., 2227 E. 37th St., Los Angeles.

Harry C. Collins Mchy. Co., 2146 E. 38th St., Los Angeles.

Coast Engr. and Equipment Co., 420 E. 8th St., Los Angeles.

Consolidated Steel Corp., P. O. Box 1438, Arcade Station, Los Angeles.

L. E. Dixon Co., 609 S. Grand Ave., Los Angeles.

Crook Co., 2900 Santa Fe Ave., Los Angeles.

Coast Engr. & Equip. Co., 420 East 8th St., Los Angeles.

Southwest Welding & Mfg. Co., 3201 W. Mission Road, Alhambra.

BIDS OPENED

SACRAMENTO, Cal.—Following bids received by State Purchasing Agent, Sacramento, Sept. 5, for furnishing 4-wheel drive trucks for delivery at various points:

REQUISITION NO. 8090:

Walter Motor Truck Co., (Model) Walter 4-pt. positive drive Model FN; (Gross) $9450; (Net) $8750.

Coleman Motor Corp., Coleman Model S2E; $9591; $8306.

Western Traction Co., Marmon-Harrington A-20-4, $10,138.20; $9238.00.

Western Traction Co., Marmon-Harrington A-10-S4, $9225.45; $8325.45.

Four-Wheel Drive Sales Co., Model H. $8625.90; $7350.90.

Brown - Bevis Co., Oshkosh Model WLX, $13,597.50; $11,593.14.

REQUISITION NO. 8092

The White Co., Indiana Model 18x4; $8129.88; $7204.88.

Walter Motor Truck Co., Walter 4-Pt. Positive Drive Model FM, $7700; $6900.00.

Coleman Motor Corp., Coleman E-54; $8520; $8020.

Western Traction Co., Marmon-Harrington A-40-4, $9250; $9100.

Western Traction Co., Marmon-Harrington do (10.50x20 tires) $9150; $9000.

Western Traction Co., Marmon-Harrington (9.00x20 single front) $8990; $8840.00.

Western Traction Co., Marmon-Harrington A-30-S4 (9.75x20 single front) $8366; $8216.

Western Traction Co., Marmon-Harrigton do (10.50x20 single front) $8266; $8116.00.

Western Traction Co., Marmon-Harrington do (9.00x20 single front) $8,106.00; $7956.00.

Four - Wheel Drive Sales Co., FWD SSUA, $7272.46; $6772.46.

Brown - Bevis Co., Oshkosh Model 3CS, $10,585; $8868.76.

Brown - Bevis Co., Oshkosh Model 3CSxW, $10,085; $8493.76.

REQUISITION NO. 8093

Walter Motor Truck Co., Walter 4-Pt. positive drive Model FCKD S-t ton, $4620; $4220.

Walter Motor Truck Co., Walter 4-pt. positive drive Model FBS 2-8 ton, $6400; $6000.

Coleman Motor Corp., Coleman E-65, $5082; $4832.

Western Traction Co., Marmon-Harrington Model TH 300 S-4, $5550; $5400.

Western Traction Co., Marmon-Harrington Model TH 300 S-4, $5526.85; $5376.85.

Four - Wheel Drive Sales Co., FWD Model MF6, $3875.10; $3625.10.

Brown - Bevis Co., Oshkosh Model FC, $6232.50; $5139.25.

Brown - Bevis Co., Oshkosh Model FB, $6632.50; $5439.38.

Bids held under advisement.

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the State Purchasing Agent, Sacramento, September 7, for furnishing tractor and trailbuilder f.o.b. Monterey:

TRACTOR

Midland Tractor Co., $5021; 2% 30 days.

Robinson Tractor Co., $5187.55; 2% 30 days.

TRAILBUILDER

Robinson Tractor Co., $1862.78; 2% 30 days.

Identical bids at $1507.50 submitted by E. R. Bason, Midland Tractor Co. and Mack Wooldridge.

Bids held under advisementa.

BIDS OPENED

SAN FRANCISCO—Following bids received by the State Park Conservation Work, National Park Service, September 12, for on trailbuilder:

American Tractor Co.	$1487.50
Western Tractor Equip. Co.	1487.50
Robinson Tractor & Equip. Co.	1487.50
Edward R. Bacon	1662.50

Bids held under advisement.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for furnishing (1) 1 trailbuilder for 75 Caterpillars; (2) 1 trailbuilder for 50 Caterpillars, for Oakland.

Isaacsson Iron Works, Seattle, (1) $1827.50; (2) $1487.50.

LaPlant-Choate Mfg. Co., Cedar Rapids, Iowa; (2) $1570; 6%;

Master Equipment Co., Los Angeles, (2) $1512.50.

Mack-Woolridge Mfg. Co., Los Angeles, (2) $1512.50.

American Tractor Equipment Corp., Oakland, (1) $1806.25; (2) $1487.50 5%.

Garwood Industries, Detroit, Mich., (1) $2133.50; (2) $1695.

Robinson Tractor Co., Oakland,(1) $1806.25; (2) $1487.50; 5%.

BIDS OPENED

EUREKA, Cal.—Hayward Building Material Co., Hayward, at $2.15 per hour operated, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Eureka, for the rental of 4 3-yard dump trucks for approximately 800 hours. Complete bids follow:

Hayward Bldg. Material Co., Hayward	$2.15
Wm. Kern, Weott	2.55
Sunset Decomposed Granite Co. Hollywood	2.55
Thos. O'Brien, San Francisco	2.55
J. Starkenburg, San Bernardino	2.55
M. E. Beckstrom, Trinidad	2.55
Chas. Burnside, Glendale	2.71
Chas. Kuppinger, Lakeport	2.75
Ashurst Bros., Hopland	3.00

Bids held under advisement.

BIDS OPENED

EUREKA, Cal.—Chas. Kuppinger, Lakeport, at $3.50 per hour operated, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Eureka, for the rental of one 2350 gal. tank truck for approximately 200 hours.

Hayward Building Supply Co., Hayward, at $3.95 per hour submitted the only other bid.

Bids held under advisement. 5

CONTRACT AWARDED

OAKLAND, Cal.—McGurrin Motors, 3300 Broadway, Oakland, at $2,266.85 each awarded contract by the Oakland City Council for furnishing five dump trucks of 10,000 lb. capacity (Reo).

CONTEMPLATED

SOUTH SAN FRANCISCO, Cal.—South San Francisco Chamber of Commerce has special committee investigating purchase of diesel operated electric power plant for city service. I. E. Horton, chairman.

BIDS OPENED

SAN FRANCISCO.—Following bids received by the National Park Service, State Park Conservation Work, 623 Underwood Bldg., San Francisco, for furnishing one reversible angling blade hydraulic operated trailbuilder for attachment to 35 Caterpillar tractor, 1934 model:

Edward R. Bacon Co., $1232.50 fob Oakland.

Isaacson Iron Works, $1232.50 fob San Francisco.

Garwood Industries, same.

American Tractor Equipment Corp., $1275 fob Oakland.

Robinson Tractor Co., same.

Bids held under advisement.

CONTRACT AWARDED

HYRUM DAM, Utah.—Long Beach Iron Works, 2020 W. Anaheim Street, Long Beach, at $12,314 awarded contract by the Bureau of Reclamation, Denver, under Spec. No. 586, for furnishing radial gates, radial gate hoists high pressure gates, and plate steel outlet pipes for the Hyrum Dam.

CONTRACT AWARDED

SAN MATEO COUNTY, Cal.—Northwest Engineering Co., 255 10th St., San Francisco, at $6915.01 awarded contract by the San Mateo County Board of Supervisors, Ernest L. Werder, Purchasing Agent, James S. James, County Engineer, for furnishing one ⅝ cu. yd. steam shovel.

26— RAILROADS

AWARD RECOMMENDED

LOS ANGELES, Cal.—Los Angeles Harbor Department has forwarded to the State Engineer of PWA an analysis of bids received August 29 under Spec. 930, subgrade, track and structures for Los Angeles Municipal Ter-

minal Railway, with recommendation that the contract be awarded to Pan-Pacific Piling & Const. Co. at $75,500 (item 2), the award to be made with the understanding that used 90-lb. rail, continuous rail joints and tie plates from stock of the Santa Fe will be used. The project involves the construction of a standard gauge railroad track, approximately 13,650 feet in length, including grading, track laying trestle construction, paving, etc.

ENGINEER APPOINTED

SAN MATEO COUNTY, Calif.—San Mateo County Board of Supervisors has appropriated $2,000 to engage B. J. Arnold, Chicago transit expert, as consultant for the Peninsula Rapid Transit Committee which is preparing recommendations for the extension of rapid transit service from San Francisco to the peninsula communities.

28—FIRE EQUIPMENT

CONTRACT AWARDED

MADERA, Cal.—Mack International Motor Truck Corp., at $8750 awarded contract by the Madera City Council for furishing one 750-gal. pumping engine and hose car with water tank equipment.

30—RESERVOIRS & DAMS

BIDS OPENED

SHOSHONE, Ida.—Morrison-Knudsen Co., Boise, Ida., at $102,494.90 submitted low bid to the Board of Directors of the Big Wood Canal Co., Shoshone, Idaho, Sept. 14, for the reconstruction of outlet works and installation of emergency gates and needle valves in the Big Wood Canal Co.'s Magic Dam located on Big Wood river about 25 miles north of Shoshone.

The other bids were:

C. F. Dinsmore & Co., Boise	$107,674
Utah Const. Co., Logan	108,615

IN CHARGE OF WORK

GRAND COULEE, Wash.—It is reported that H. L. Myer, vice-president of Silas Mason Co., who is in charge of company operations at Fort Peck charge of company operations at Fort Peck, Montana, will have general charge of the construction at Grand Coulee Dam. Harvey Slocum will be superintendent of all field work and construction.

Present plans indicate that Silas Mason, president of the Silas Mason Co., will be incharge at Fort Peck.

BIDS WANTED

SANTA CLARA COUNTY, Cal.—Until October 2, 10 A. M., (to be opened at 10:15 A. M.), bids will be received by the Board of Directors of the Santa Clara Valley Water Conservation District, Room 62, Grant Bldg., San Jose, for the construction of the Vasona Dam and Canal.

Specifications call for the construction of an earth dam with concrete spillway section across Los Gatos Creek, for the purpose of creating a percolating reservoir, and a conduit consisting of canal in earth and pipe from said dam to San Tomas Aquinas Creek, a distance of approximately 2½ miles, and all appurtenant works.

The location is about 2 to 3 miles northerly from the City of Los Gatos, in Santa Clara County. The dam site is about 1½ miles north and 1 mile west of Los Gatos. The work involves:

(1) 65,000 cu. yds. embankment in dam;
(2) 40,000 sq. ft. concrete facing;
(3) 6800 sq. ft. steel sheet piling;
(4) 1420 cu. yds. 1:2:4 concrete in spillway and retaining walls;
(5) 310 cu. yds. 1:3:5 concrete in spillway buttresses;
(6) 13,500 sq. ft. concrete block mattress;
(7) 100 cu. yds. riprap;
(8) 10 radial crest gates (5'x21');
(9) 2 radial sluice gates (13'x10');
(10) 275 lin. ft. galvanized iron pipe handrail;
(11) 1 bronze tublet furnished and installed;
(12) 295,000 lbs. reinforcing steel;
(13) 40 lin. ft. 36-in. concrete pipe;
(14) 120 lin. ft. 24-in. concrete pipe;
(15) 470 lin. ft. 12-in. concrete pipe;
(16) 1 24-in. heavy duty slide gate furnished and installed complete with frame and hoist;
(17) 5 acres canal right-of-way clearing;
(18) 21,000 cu. yds. canal excavation without hauling;
(19) 3000 cu. yds. canal excavation requiring hauling;
(20) 1250 cu. yds. pipe conduit back fill;
(21-A) (Alternate to Item 21-B) 970 lin. ft. 42-in. concrete pipe;
(21-B) (Alternate to Item 21-A) 970 lin. ft. 42-in. steel pipe;
(22-A) (Alternate to Item 22-B) 142 lin. ft. 48-in. concrete pipe;
(22-B) (Alternate to Item 22-A) 142 lin. ft. 48-in. steel pipe;
(23) 84 lin. ft. No. 8 ga. 54-in. pure iron corrugated pipe;
(24) 30 lin. ft. No. 12 ga. 36-in. corrugated metal pipe;
(25) 30 lin. ft. No. 14 ga. 24-in. corrugated metal pipe;
(26) 8 reinforced concrete bridges complete;
(27) 140 cu. yds. 1:2:4 concrete, miscellaneous canal structures;
(28) 2 42-in. slide gates furnished and installed complete with frame and hoist;
(29) 1 24-in. slide gate furnished and installed complete with frame and hoist;
(30) 1 4-ft. x 4-ft. radial gate furnished and installed complete with automatic operating mechanism;
(31) Premiums on 50% surety and 100% performance bonds.

Plans and specifications obtainable from Fred H. Tibbetts, Engineer of the District, 1320 Alaska Commercial Bldg., San Francisco, or from Leroy Anderson, Secretary of the District, Room 62 Grant Bldg., San Jose, upon deposit of $10. *

TO ASK BIDS SHORTLY

SAN FRANCISCO.—The Public Utilities Commission will ask bids about November 1 on the contract for raising O'Shaughnessy Dam of the Hetch Hetchy Water System. Plans have been approved by engineers of the U. S. Reclamation Service, subject to minor revisions which are being made. The plans must be approved by the State Engineer before the contract is advertised. The dam is to be raised 85 feet at an estimated cost of $3,500,000.

CONTRACT AWARDED

OGDEN, Utah—Utah Construction Co. and Morrison-Knudsen Co., Ogden, Utah, at $677,898 awarded contract by the Bureau of Reclamation, Ogden, under Spec. No. 584, for the construction of the Pine View Dam and appurtenant works, Ogden River Project, Utah.

TO ASK BIDS

PERSHING COUNTY, Nevada—Bids are to be asked shortly for the construction of the Rye Patch dam which will impound waters of the Humboldt River for irrigation in the Lovelock Valley, it is announced by L. G. Foster, engineer for the U. S. Reclamation Service. A loan of $1,600,000 for the construction has been made by the Public Works Administration. Construction will be supervised by the Reclamation Service.

CONTRACT SIGNED

GRAND COULEE, Wash.—The Bureau of Reclamation's $29,339,301 general contract for the construction of the Grand Coulee Dam is reported to have been signed in New York Sept. 11 by the Silas Mason-Atkinson Kier-Walsh Const. Co. group who were low bidders on the project when bids were opened in Spokane June 18.

It is reported that the group is now receiving bids for material for the construction camp of 370 residences, in addition to other structures, stores, warehouses, messhouses, depots, and similar buildings.

F. A. Banks, Project Engineer, Almira, Wash.

31—PIPE LINES & WELLS

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Following is an additional list of contractors and others who have procured plans for constructing cut - and - cover conduit, concrete-lined canal, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, Stations 675 lus 75 to 7251 plus 90, in accordance with Spec. No. 70, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, October 11, 10 A. M., as previously reported:

E. E. Ashlock, 1220 Arcade Bldg., St. Louis.

Thew Shovel Co., 810 Santa Fe Ave. Los Angeles.

Drainage Constr. Co., 3696 Cedar St., Lynwood.

Frank E. Rowsey, 458 S. Spring St., Los Angeles.

Broderick & Gordon, 215 S. Bedford Place, Beverly Hills.

Mark Gay, 2001 Santa Fe Ave., Los Angeles.

Ross Construction Co., Inc., 1325 Shenandoah Road, San Marino.

Swinyer Const. Co., Box 128, Marysville.

Consolidated Rock Products Co., 2730 S. Alameda St., Los Angeles.

Franklin B. Gridley, 265 S. Lake Ave., Pasadena.

Imperial Rock Corp., 3232 E. 50th St., Los Angeles.

Rust Engineering Co., Koppers Bldg Pittsburgh, Pa.

Fidelity & Deposit Co. of Maryland, 405 Montgomery St., San Francisco.

Massachusetts Bonding & Insurance Co., 458 S. Spring St., Los Angeles.

R. E. Campbell, 711 Central Bldg., Los Angeles.

Chas. E. Bent, 510 W. Sixth St., Los Angeles.

American Hoist & Derrick Co., St. Paul, Minn.

Harron, Rickard & McCone, 2205 Santa Fe St., Los Angeles.

Atlas Powder Co., 805 Title Guarantee Bldg., Los Angeles.

Hartford Accident & Indemnity Co., 548 S. Spring St., Los Angeles.

Hughes Const. Co., Des Moines, Ia.

Crane Co., 321 E. 3rd St.t, Los Angeles.

Macco Const. Co., 815 Paramount Blvd., Clearwater.

W. F. Webb, 725 Longridge Road, Oakland.

Edward Peterson Co., 1411 W.O.W. Bldg., Omaha, Neb.

Olson Mfg. Co., Boise, Idaho.

Paul Grafe, % W. E. Callahan Constrution Co., 1220 Arcade Bldg., St. Louis.

J. H. Brock, 548 S. Spring St., Los Angeles.

Lacy Mfg. Co., 601 Washington Bldg. Los Angeles.

Santa Fe Railway, 6th and Main, Los Angeles.

Asbury Truck Co., Alameda at 49th, Los Angeles.

Chas. C. Kinne Corp., 426 S Spring, Los Angeles.

Swett & Crawford, 621 S Hope, Los Angeles.

PLANNED

TULARE COUNTY, Calif.—Formation of a public utility district including Visalia, Porterville, Lindsay and other towns of Tulare county is contemplated for the purpose of distributing natural gas. A pipe line would be constructed from Kettleman Hills oil field. Mayor Chas. Burr of Lindsay is contacting other city officials in the district in the interests of the plan.

BIDS OPENED

SAN BERNARDINO CO., Cal.—Coe & Sons, San Bernardino, at $884.35 submitted low bid to E. Q. Sullivan, District Engineer, State Highway Department, San Bernardino, for drilling a 12-in. water well approximately 125 ft. deep at the Cronese Maintenance Station site, San Bernardino Co. Complete bids and bidders follow:

(A) Coe & Sons, San Bernardino.
(B) W. D. Anderson, San Bernardino.
(C) D. A. Beck & Sons, Alta Loma.

	(1)	(2)	(3)	(4)	(Total)
(A)	$75.00	$595.85	$113.50	$100.00	$884.35
(B)	100.00	637.50	150.00	100.00	987.50
(C)	205.30	647.50	117.25	125.00	1095.05

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

VENTURA, Ventura Co., Cal.—Until Oct. 5, 10 A. M., bids will be received by the Ventura County Board of Supervisors for the construction of a reinforced concrete storm water drain, together with the necessary sidewalk and street surfacing, on Walnut St. at Moorpark. Cash Contract No. 886, involving:

(1) 74 c.y. Class A concrete;
(2) 7,000 lbs. reinforcing steel;
(3) 500 lbs. structural steel;
(4) 3 cast iron manhole covers;
(5) 1,650 sq. ft. street surfacing.

Plans may be obtained from County Surveyor Chas. W. Petit. Deposit of certified check, 10%. L. E. Hallowell, clerk of the board.

CONTRACT AWARDED

LOS ANGELES, Cal.—F. W. Weber, 8442 California Ave., South Gate, at $13,210 awarded contract by the Los Angeles Board of Public Works for the construction of the Terminal Island outfall sewer. PWA Project No. 5633, Unit 2.

BIDS WANTED

PHOENIX, Ariz.—Until October 10, 10 A. M., bids will be received by the Phoenix City Commission, W. C. Lefebvre, City Manager, for constructing extensions to the municipal sanitary sewer system. Estimated cost, $250,000.

Bids will be taken three ways: (1) Materials only; (2) labor only, and (3) labor and materials.

Complete description of project and materials involved published September 13.

BID HELD UNDER ADVISEMENT

HALF MOON BAY, Cal.—The bid of W. J. Tobin, 3701 Balfour Avenue, Oakland, at approximately $40,500.00 for construction of a sanitary sewer system at Half Moon Bay, has been held under advisement by the Half Moon Bay Sanitary District until October 12.

George A. Kneese, Redwood City, District Engineer.

BIDS WANTED

LOS ANGELES, Cal.—Until Oct. 3, 10 A. M., bids will be received by the Los Angeles Board of Public Works for the construction of the Harbor Blvd. sewage pumping plant at San Pedro, PWA project No. 5633, Unit No. 4a. The work consists of the construction of a reinforced conc. pump pit, including cast iron force main, a reinforced concrete meter chamber and the 12-in. overflow sewer. (The equipment is not to be installed under this contract).

BIDS WANTED

SAN FRANCISCO — Until October 10, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, for the installation of a pump and auxiliary equipment for the Commercial Street sewage pumping station.

Estimated cost, $10,300.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10. Complete description will be published shortly. *

BOND ELECTION PLANNED

SAN MATEO, Cal. — City Council plans to resubmit a proposal to issue $85,000 in improvement to finance construction of sewers and sewage disposal plant at the general election November 6. The bonds were defeated by a narrow margin at a previous election. The sewage project is planned jointly with the cities of Burlingame and Hillsborough. The latter cities have funds available.

BOND ELECTION ASKED

PETALUMA, Cal.—The Petaluma City Council has received an initiative petition requesting a special election to be held December 11 on a bond issue of $195,000 to provide funds for a chemical treatment plant for sewage disposal. The petition also proposed appointment of J. B. Piatt, Santa Rosa consulting engineer, as engineer for the project at a compensation of 7% of the construction cost.

Voters recently defeated a proposal to issue $325,000 in bonds to secure a PWA loan and grant for construction of sewage disposal system.

33— WATER WORKS

BIDS OPENED

COLTON, Cal.—Myers Bros., 3407 San Fernando Road, Los Angeles, at $37,164.30 submitted low bid to Colton City Council September 11, for constructing a sewage treatment plant and appurtenant works, a PWA project, in accordance with plans prepared by Currie Engr. Co., 219 Andreson Block, San Bernardino.

Bids were taken as follows:

(1) treatment plant complete;
(2) 543 ft. 18-in. sewer pipe in place;
(3) 60 ft. 15-in. do.

Complete bids follow:

Myers Bros., Los Angeles, (1) $35,-925; (2) $2.10; (3) $1.65; (Total) $37,-164.30.

Oscar Oberg, Los Angeles, (1) $36,-600; (2) $2.15; (3) $1.85; (Total) $37,-878.45.

H. G. Klusman, Cucamonga, (1) $37,-898.75; (2) $1.75; (3) $1.35; (Total) $38-930.00.

H. A. Teget, Ontario, (1) $37,974; (2) $2.00; (3) $1.50; (Total) $39,150.00.

Contracting Engineers, Inc., Los Angeles, (1) $44,444; (2) $2.25; (3) $2.00; (Total) $45,785.25.

Fred F. Greenfield Co., Los Angeles, (1) $49,335; (2) $1.685; (3) $1.34; (Total) $50,329.00.

Concrete Conduit Co. of Colton, (1) $....; (2) $1.40; (3) $.94; (Total) $816.60.

*Bidding on pipe only.

All bids referred to PWA engineer.

COMPLETE BID LISTING

PHOENIX, Ariz.—Arizona Concrete Co., 1724 Grand Ave., Phoenix, at $97,-241.86 (bidding on DeLavaud pipe) as previously reported, submitted the low bid to W. C. Lefebvre, City Manager, Phoenix, for the construction of extensions to the city water system in the suburban section of the city.

The proposed work will involve:

(1) 59 ft. 24-in. cast iron pipe;
(1) 59 ft. 24-in. cast iron pipe;
(3) 5,286 ft. 10-in. do;
(4) 15,906 ft. 8-in. do;
(5) 38,321 ft. 6-in. do;
(6) 13,226 ft. 4-in. do;
(7) 590 ft. 2-in. do;
(8) 476 ft. 2½-in. do;
(9) 48,234 lbs. cast iron fittings;
(10) 1 24-in. C.I. gate valve complete with hub ends and boxes;
(11) 1 18-in. do;
(12) 4 10-in. do;
(13) 16 8-in. do;
(14) 37 6-in. do;
(15) 10 4-in. do;
(16) 10 2-in. do.

Complete bids follow:

Arizona Concrete Co., DeLavaud C. I. pipe, lead joints, $99,173.21; do, cement joints, $97,241.86; Universal C. I. pipe, $101,148.63, Mono-Cast and 18-in. DeLavaud, lead joints, $100,346.67; do, cement joints, $98,579.38.

O. F. Fisher, DeLavaud C. I. pipe, lead joints, $99,507.92; do, cement joints, $97,920.62; Mono-Cast pipe, lead joints, $99,206.97; do, cement joints, $97,619.67; Universal C. I. pipe with 18- and 24-in. DeLavaud, $100,228.47; Universal C. I. pipe with 18-in and 24-in. Mono-Cast $100,221.33.

R. C. Tanner and W. E. Ball Co., Mono-Cast pipe, lead joints, $103,088.-57; DeLavaud pipe, lead joints, $104,-397.26.

Elliott, Stroud Bros. & Seabrook, DeLavaud, lead joints, $114,845.44; DeLavaud, cement joints, $114,048.99; Mono-Cast, lead joints, $114,844.44; do, cement joints, $114,948.99.

Phoenix-Tempe Stone Co., Class B lead joints, $131,246.40; Class B cement joints, $130,186.87; Mono-Cast, lead joints, $113,807.64; do cement joints, $112,070.18; McWane, lead joints, $124-008.90; do, cement joints, $123,064.61; Universal, $118,651.57; DeLavaud, lead joints, $112,362.45; do, cement joints, $111,461.50.

Arizona Sand & Rock Co. and Gogo & Rados, Class B, lead joints, $161,-750.25; Class B, cement joints, $161,-016.84; Mono-Cast, lead joints, $145,-974.28; do, cement joints, $145,240.87; McWane, lead joints, $152,705.59; do, cement joints, $151,972.18; DeLavaud, lead joints, $145,953.17; do, cement joints, $145,219.76.

The bids were referred to the State PWA Engineer.

IMPROVEMENTS PLANNED

ROSEVILLE, Placer Co., Cal.—Expenditure of $20,000 for improvements to the municipal water system, recently purchased by the city, is advised by Charles Cope, superintendent. Work includes main extensions, fencing of ditches and reservoir and possibly construction of a filtration plant. Application probably will be made for SERA labor on the project.

FUNDS AVAILABLE

OGDEN, Utah.—The city of Ogden has arranged for sale of $600,000 in revenue bonds at par with which the city will finance construction of a municipal water system. The bond proceeds are supplemented by a PWA grant of $144,000.

CONTRACT AWARDED

PHOENIX, Arizona—Arizona Concrete Co., 1724 Grand Ave., Phoenix, at $97,241.86 (DeLavaud pipe) awarded contract by the Phoenix City Council. W. C. Lefebvre, City Manager, for the construction of extensions to the city water system in the suburban section of the city.

BOND ELECTION

ARCATA, Humboldt Co., Cal.—Arcata City Council has set October 2 as the date for a special election to pass on a proposal to issue $90,000 in general obligation bonds for the purchase and improvement of the water system now owned by Public Utilities California Corporation. It is planned to purchase the system for $75,000 and to expend the balance of the bond proceeds for necessary betterments.

CONTEMPLATED

NORTH LAS VEGAS, Nevada—Lee Scott, Secretary of the Nevada Public Service Commission, has announced that plans are under way for the formation of a town government in North Las Vegas, now unincorporated, in order that a bond issue may be voted to provide security for a public works loan of $40,000 to finance construction of a water system 3

WATER DISTRICT PLANNED

SANTA CLARA COUNTY, Cal.—A. J. Smith of San Martin, is chairman of a group circulating petitions proposing a South Santa Clara County water conservation district. Construction of reservoirs and conduits to conserve flood water in the region between Coyote and Gilroy on a plan similar to that undertaken by the northern section of the county.

CONTRACTS AWARDED

PORTERVILLE, Cal.—Bradford Machinery Co., 310 Garden St., Porterville, at $737.57 (turbine pump); $712-.50 (booster pumu); and $339.85 (electrical wiring, switches, etc.), and R. W. Moore, Fresno, at $875 pump house) awarded contract by the Porterville City Council, September 12, for furnishing and installing a complete pumping unit for the Orange Street well.

BIDS WANTED

FRESNO, Cal.—Until October 10, 8 P. M., bids will be received by the Board of Trustees of the Central Union High School, Fresno, for one gasoline storage tank. Prices to be quoted on 7000 and 10,000 gal. tanks, constructed of 3/16" steel and ¼" steel.

Specifications obtainable from the above office. 3

BIDS WANTED

LONG BEACH, Cal.—Until Sept. 24, 10 A. M., bids will be received by the Long Beach City Water Department, 308 Public Utilities Bldg., Long Beach, for furnishing and installing one deep well turbine pump in North Long Beach Well No. 4 on Jackson St., and one deep well turbine pump in Commission Well No. 3 on Carson St., in accordance with Specifications No. W. D. 21, which may be obtained from the office of the Superintendent of the Water Department.

34 — PARKS AND PLAYGROUNDS

BIDS OPENED

MADERA COUNTY, Calif.—Anchor Post Fence Co., 460 Fifth Street, San Francisco, at $2,089.50 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for fencing, "NR" project 74-A5, in Madera County.

Bids were taken as follows:
(1) 1,500 l.f. hog fence;
(2) 18,195 l.f. barbed wire fence;
(3) total.

Complete bids follow:

Anchor Post Fence Co., San Francisco, (1) $0.18; (2) $0.10; (3) $2,089.50.

J. P. Breen, Sacramento, (1) $0.20; (2) $0.10; (3) $2,119.50.

C. C. Wood, Stockton, (1) $0.20; (2) $0.14; (3) $2,847.30.

A. Soda & Son, Oakland, (1) $0.28; (2) $0.20; (3) $3,959.

Bissett & Blank, Oakhurst, sent in a telegraphic bid which was not read.

No bids were received for applying approximately 55,000 gallons of liquid asphaltic road material Type SC-2, "NR" project 74-A5, bituminous dust palliative.

BIDS WANTED

SAN FRANCISCO.—Until Sept. 19, 1:45 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for erecting approximately 225 ft. of 1¾-in. 11-gauge chain link fence on metal posts at Sarah B. Cooper School, located at Jones and Lombard Streets. Estimated cost under $1,000.

Further details may be obtained from John T. Burns, Acting Supt. of Public Buildings, 484 11th St., San Francisco.

CONTRACT AWARDED

MADERA COUNTY, Cal.—Bissett Blank, Oakhurst, at $1847.55 awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for 1500 lin. ft. hog fence and 18,195 lin. ft. barbed wire fence in Madera County, "NR" Project 74-A5.

The acceptance of the bid, which was telegraphed, was approved by the District Engineer upon advice of attorneys that the proposal was valid.

BIDS WANTED

SAN FRANCISCO—Until Sept. 28, 2 P. M., bids will be received by Wm. H. Radcliffe, Supt. of Construction, Veterans Administration Facility, Fort Miley, San Francisco, for shrubs, trees, etc., as follows:
(1) Trees and shrubs.
(2) 1600 cu. yds. manure.
(3) 700 bales Peat Moss.
(4) 1800 lbs. Italian Rye seed.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

LINCOUN COUNTY, Nevada—Olof Nelson, Logan, Utah, at $32,811.55 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for construction of an asphaltic roadmix surface in Lincoln County, Route 7, Section A2, between 26 miles north of the south county line and Alamo, a length of 14.38 miles.

U. B. Lee, San Leandro, at $37,-709.52 submitted second low bid.

CONTRACT AWARDED

DOUGLAS COUNTY, Nevada—Silver State Constr. Co., Fallon, Nev., at $7234.38 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of asphaltic roadmix surface on a portion of the State Highway system in Douglas County between the junction with Rt. 3 near Minden and a point 4 miles south of Minden, a length of 3.99 miles.

George French Jr., Stockton, at $7,-914.20 submitted second low bid.

PLANNED

NAPA, Napa Co., Cal.—City Council has adopted plans and specifications for improvement of one block of Palmer St. by grading and surfacing with bituminous treated gravel and constructing concrete curbs. Protests will be heard September 24. Estimated cost. $1541.

City Engineer, H. A. Harrold.

BIDS REJECTED

MONTEREY COUNTY, Calif. — All bids received by the Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for 3.1 miles surfacing with oil treated screen gravel in Monterey County between Big Sur and 1.6 miles south of Molera's Ranch, have been rejected by the State Highway Commission, Sacramento.

Tiffany Const. Co., 535 N. 7th St., San Jose, at $14,588.40 submitted low bid.

BIDS OPENED

LINCOLN & LANE Counties, Ore.—The Northwest Roads Co., Park Rose, Portland,, at $82,164 submitted low bid to the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, for the constructing or improving the Alsea & Siuslaw bituminous surfacing Project FHEC-6-D4, E6 and FHEC-7-C2, D3, E3, F2, G3, National Forest Road Project located within the Siuslaw National Forest, Lincoln and Lane Cos., Ore. The length of the project is approximately 6.34 miles (Alsea portion) and 19.44 miles (Siuslaw portion).

Complete bids follow:

Northwest Roads Co., Portland	$82,164
Dunn & Baker, Klamath Falls	83,375
Babler Bros., Portland	85,624
J. C. Compton, McMinnville	86,415
Edlefsen-Weygandt, Portland	89,793
F. J. Kernan, Fatoma	97,003

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Kovacevich & Price, Inc., 5400 Imperial Highway, South Gate, at $48,281.80 (Alt. A) awarded contract by State Highway Commission, Sacramento, for grading and paving with Portland cement concrete or asphalt concrete and Portland cement concrete about 0.3 mi. for approaches to Alhambra wash bridges, and constructing two bridges.

BIDS OPENED

STOCKTON, San Joaquin Co., Cal. —Following bids received by the Department of Public Works, Division of Highways, Stockton, Sept. 13, for traffic striping as follows:

Location A: 209.2 miles in the west side of Stanislaus County, from Patterson south; Merced and Mariposa counties.

Location B: 218.2 miles in the northern part of Stanislaus, San Joaquin, Solano and Sacramento Counties.

F. A. Cummings, San Diego, (Location A) $1,680;(Location B) $1,836.

Edwin Anderson, San Francisco, (A) $1,746; (B) $1,791.

Essex Machinery Co., Los Angeles, (A) $2,496; (B) $2,700.

BIDS WANTED

CLACKAMAS CO., Ore.—Until Oct. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for surfacing Rock Creek and Eagle Creek sections of the Woodburn-Sandy secondary highway; National Recovery Projects Nos. NRS 225-B and NRS 237; 2.4 miles surfacing on the Rock Creek Section, requiring approximately 5,800 c.y. crushed rock or crushed gravel; 1.2 miles surfacing on the Eagle Creek section, requiring approximately 2,900 c.y. crushed rock or crushed gravel. Bids will be considered for both jobs together or separately.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.00.

BIDS WANTED

GRANT COUNTY, Ore.—Until Oct. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for surfacing Forest Boundary - Long Creek Section of Pendleton-John Day Highway in Grant County. National Recovery Projects Nos. 182-A, 182-B, and 182-C; 17.28 miles surfacing and furnish crushed rock in stockpiles and re-

quires approx. 8,000 c.y. slide material removal and 59,500 c.y. crushed rock.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg. Salem, Oregon, upon deposit of $5.00

CONTRACT AWARDED

SAN FRANCISCO. — E. J. Treacy, Call Bldg., at $2,700 awarded contract by the Construction Engineer, U. S. Marine Hospital, 14th and Lake Sts., for resurfacing an old road and laying 400 ft. of 4-in. tile subdrainage system to catch existing spring water in back of main hospital.

NOTICE TO CONTRACTORS

MARIN COUNTY, Cal.—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished at cost and become the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on October 3, 2 P. M.

IV-Marin-1-C between Greenbrae and Alto: PLANS, 2 sheets, 20c; CROSS-SECTIONS, 4 sheets, 40c; TOTAL, 60c.

Checks for the above should be made payable to the Department of Public Works, Division of Highways and should accompany the order to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

BIDS WANTED

KLAMATH COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for 2.84 miles grading of the Gold Lake Trail-Odell Lake Section of Willamette Highway. National Recovery Project No. NRH 195-B. The work required approximately 185,700 cu. yds. excavation.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

BIDS WANTED

MULTNOMAH COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for 3.3 miles paving of the Portland-Washington County Line Section of West Pacific Highway. National Recovery Projects Nos. NRH 73 & NRH 203-B. The work involves approximately 12,500 cu. yds. exctvation; 60,000 sq. yds. asphaltic concrete pavement; 24,000 sq. yds. crushed rock or gravel shoulders, and 7600 sq. yds. oil bound rock footpaths.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

COMPLETE BID LISTING

GILA COUNTY, Ariz.—N. G. Hill & Co. and J. S. Boyer & Co., Phoenix, at $10,925, as previously reported, submitted low bid and recommended for award of contract by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing subgrade reinforcement on 5.039 miles of Section A of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County.

Quantities follow:

(1) 6,500 c.y. subgrade reinforcement;
(2) 35,000 c.y. mi. hauling subgrade reinforcement.

Unit and total bids follow:

N. G. Hill and J. S. Boyer, Phoenix, (1) $.90; (2) $.145; (Total) $10,925.

Pine-Payson Motor Co., Pine, Ariz., (1) $.88; (2) $.16; (Total) $11,320.

Engineer's estimate, (1) $.60; (2) $.18 (Total) $10,200.

CONTRACT AWARDED

KITTITAS CO., Wash.—Albertson & Cornell Bros., 1113½ A St., Tacoma, at $229,565 (Schedule B) submitted the low bid and awarded contract by the Washington State Highway Directors, Olympia, Sept. 11, for paving with Portland cement concrete about 8.4 miles of State Roads No. 2 and 3, Little Creek to Teanaway, U. S. Public Works Projects No. NRH 114-F, NRH and NRM 114-E, NRM and NRH 114-D, and NRH 165-G, in Kittitas Co.

Complete bids follow:

Albertson & Cornell Bros., Tacoma, (Schedule B) $229,565.

H. P. Dorsey Co., Bellingham, (Sch. A) $291,307; (Sch. B) $276,268.

Boetz & Brennan, Seattle, Schedule B) $238,771.

Fiorito Bros., Seattle (Schedule B) $245,442.

Schedule A, completion Dec. 15; Schedule B, completion July 1.

CONTRACT AWARDED

KITTITAS COUNTY, Wash. — Fred G. Redmon, 303 S 5th, Yakima, at $34,809 submitted low bid and awarded contract by Washington State Highway Directors, Olympia, Sept. 11, for surfacing and stockpiling about 22,830 c.y. of crushed stone surfacing material and oil rock on about 7.7 miles of State Road No. 7, Alkali Ike's to Rock Canyon, Unit 2, F.P.W. Project No. 6187, in Kittitas County:

Total bids follow:

Fred G. Redmon, Yakima	$34,809
March Const. Co., Spokane	36,429
F. R. Hewett, Spokane	37,241
Mathieson Const. Co., Sunnyside	40,869
L. Romano Engr. Corp., Seattle	41,831

BIDS WANTED

OKANOGAN CO., Wash.—Until September 28, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving Loup Loup Highway, surfacing. Project F H E C-28-A1, B1, National Forest Road Project, located within the Chelan National Forest, Okanogan Co., Wash.

Length of the project is approximately 6.4819 miles and involves:

(1) 2,000 c.y. unclass. excav. (slides);
(2) 3,000 c.y. subgrade reinf. in place
(3) 6.4819 miles fine grading of subgrade and shoulders;
(4) 13,500 tons crushed rock or crushed gravel bottom course;
(5) 14,000 tons do top course;
(6) 700 tons supple. crushed rock or crushed gravel;
(7) 200 M. gals. watering;
(8) 30 days roller operation;
(9) 1,000 c.y. binder;
(10) 1,500 l.f. wire cable guard rail in place.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

PACIFIC CO., Wash.—Graham Bros. & Medley, 974 North, Chehalis, at $55,738 submitted low bid and awarded the contract by Washington State Highway Directors, Olympia, Sept. 11 for grading and surfacing with crushed stone, and paving with Portland concrete about 1.5 miles of State Road No. 12, South Bend to Potter's Slough, U. S. P. W. Project No. NRM 178-H and NRH 178-I, in Pacific County.

Complete bids follow:

Graham Bros. & Medley, Chehalis	$55,738
United Contr. Co., Portland	55,916
L. Coluccio & Co., Seattle	56,146
H. P. Dorsey Co., Bellingham	66,359

BIDS WANTED

SAN DIEGO COUNTY, Cal.—Until October 11, 2 P. M., bids will be received by the State Highway Engineer State Bldg., Los Angeles, for constructing approaches to Escondido Creek Bridge, about 0.6 mile in length to be graded and surfaced with bituminous treatd crushed gravel or stone.

The work involves:

(1) 6,000 c.y. rdwy. excav., unclass.;
(2) 8,500 c.y. channel excavation;
(3) 9,000 sta. yds. overhaul;
(4) 60,000 c.y. imported borrow;
(5) 1,100 c.y. structure excavation;
(6) 2,900 tons crushed gravel or stone (bit. treated surface);
(7) 130 tons cutback asphalt;
(8) 1,250 sq. yds. asph. paint binder;
(9) 21 tons fuel oil;
(10) 520 c.y. remove existing concrete pavement;
(11) 500 c.y. do existing conc. bridge;
(12) 13 c.y. Class A Portland cement concrete structure;
(13) 405 c.y. Class A Portland cement concrete;
(14) 165 lbs. bar reinf. steel;
(15) 3,700 sq. yds. wire mesh reinf.;
(16) 3 each spillway assemblies;
(17) 50 l.f. 8-in. CMP;
(18) 20 l.f. 18-in. CMP;
(19) 40 l.f. 72-in. CMP;
(20) 50 each timber guide posts;
(21) 5 culvert markers;
(22) 1,900 l.f. laminated timber guard rail;
(23) 1,150 c.y. concrete riprap;
(24) 600 tons rock riprap;
(25) 2,900 M. gals. water;
(26) 30 stations finishing roadway;
(27) 14 monuments complete in place.

The State will furnish CMP and the spillway assemblies as more explictly set forth in the Special Provisions.

Plans and specifications obtainable from the State Highway Engineer's Office, Public Works Bldg., Sacramento, and on file at the office of the District Engineers in San Francisco, and Los Angeles and the district in which the work is located.

CONTRACT AWARDED

LYON COUNTY, Nevada—George French Jr., P. O. Box 107, Stockton, at $22,404.61 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of an asphaltic roadmix surface on a portion of the State Highway System in Lyon County, between Yerington and Wabuska, Route 28, Section A, a length of 12.12 miles.

Silver State Constr. Co., Fallon, at $22,488.98 submitted second low bid.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch Co., Burell Bldg., San Jose, at $6340 submitted low bid and awarded contract by Santa Clara County Board of Supervisors, San Jose, for improvement of Campbell Avenue, between Santa Clara-Los Gatos Road and San Tomas Aquino Road, in Supervisor Districts 4 and 5. The work involves about 156,000 sq. ft. of pavement. The other bids were:

L. F. Piazza, San Jose	$6496
Irving L. Ryder, San Jose	7024
Earl W. Heple, San Jose	7334
O. G. Ritchie, San Jose	7670

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch, Burrell Bldg., San Jose, at $2793 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Aborn Road in Supervisor District No. 2. The other bids were:

Earl W. Heple, San Jose.....$3334
L. F. Piazza, San Jose..... 5346

BIDS WANTED

CHANDLER, Ariz.—Until October 3, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, T. S. O'Connell, State Highway Engineer, for improving streets in Chandler; AFE, NRM 97-E (1935). The work, which lies within the town limits of Chandler, consists of concrete pavement widening and is to be completed on or before Nov. 30. The work involves:
(1) 2830 sq. yds. grading;
(2) 2830 sq. yds. concrete pavement;
(3) other items.
Specifications obtainable from above office.

BIDS WANTED

TILLAMOOK COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium Third Floor, Public Service Bldg., Portland, for 3.82 miles of grading on the Deadman Creek-Brooks Section of Wilson River Highway, Tillamook County, National Recovery Project No. NHR 191-B. The work requires approximately 126,500 cu. yds. excavation; 24,800 cu. yds. roadbed topping, and 610 cu. yds. Class A concrete.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

BIDS WANTED

WHITE PINE AND NYE COUNTIES, Nevada—Until October 9, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for 12.216 miles of grading and placing crushed gravel base course on Section A of Route 12, the Midland Trail (Currant Creek) National Forest Highway, Nevada National Forest, and Section C of Federal Lands Highway Project No. 1 (Part of Midland Trail), Ely-Tonopah Highway, in White Pine and Nye Counties, Nevada. The work involves:
(1) 114,900 cu. yds. unclassified excavation;
(2) 15,450 cu. yds. do for borrow;
(3) 1500 cu. yds. do for structures;
(4) 137,700 sta. yds. overhaul;
(5) 12,400 cu. yds. mi. borrow haul;
(6) 1534 lin. ft. C.M.P. in place;
(7) 1867 lin. ft. remove and relay or stockpile existing C. M. P.;
(8) 145 cu. yds. concrete;
(9) 28 each remove and reset headwalls;
(10) 126 each demolish headwalls;
(11) 3800 lbs. reinforcing steel;
(12) 18.7 MFBM treated timber;
(13) 106 sq. yds. asphaltic plank wearing surface;
(14) 122 each culvert markers;
(15) 5850 lin. ft. diversion ditch;
(16) 34,300 tons crushed gravel base course;
(17) 900 tons supplemental crushed gravel;
(18) 2 each right-of-way monuments.
Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

ARIZONA STATE.—Until October 3, 2 P. M., bids will be received by the Arizona State Highway Commission, T. S. O'Connell, State Highway Engineer, Phoenix, for highway construction on the Ashfork-Kingman Highway, N. R. H. 80-J. The work, which is to begin at a point about 7¼ miles west of the town of Peach Springs and is to extend southwesterly about 6.2 miles, consists of aggregate base course and oil processing (road mix method) and is to be completed on or before January 15. The work involves:
(1) 2,000 c.y. stripping pits;
(2) 174 M. gals. sprinkling;
(3) 13,674 c.y. aggregate base course;
(4) 35,043 c.y. aggregate do. haul;
(5) 527 c.y. shoulder material;
(6) 1,350 c.y. ml. shoulder material, haul;
(7) 6,754 c.y. mineral aggregate (CIP)
(8) 121,580 gals. road oil (CIP);
(9) 122 tons emulsified asphalt (CIP);
(10) 530 c.y. screenings (CIP);
(11) 6.208 miles processing road mix;
(12) 64,840 l.f. standard line fence.
(13) 300 c.y. stockpiled aggregate.
Specifications obtainable from above office.

BIDS WANTED

ARIZONA STATE.—Until October 3, 11 A. M., bids will be received by the Arizona State Highway Commission, T. S. O'Connell, State Highway Engineer, Phoenix, for highway construction on the Holbrook-Lupton Highway N.R.H. 83-E (1935) A.F.E. 6621. The work, which begins about 40 miles east of Holbrook and extends east about 13.7 miles, consists of aggregate base course and oil processing and is to be completed on or before Feb. 28.
The work involves:
(1) 20,715 tons plant mix;
(2) 1,030 tons cutback asphalt;
(3) 149,345 sq. yds. reshaping road surface;
(4) 7,690 c.y. aggregate base course;
(5) 4,250 c.y. shoulder material;
(6) 1,500 c.y. stripping pits;
(7) 13,674 miles placing plant mix;
(8) 1,174 c.y. screenings;
(9) 450 M. gals. water (sprinkling);
(10) 400 sq. yds. placing intersections;
(11) 300 c.y. stockpiled aggregate.
Specifications obtainable from above office.

BIDS WANTED

LANE COUNTY, Oregon — Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for 1.34 miles grading and surfacing of the Spencer Butte Section of Fox Hollow Secondard Highway, National Recovery Project No. NRS 236. The work required approximately 11,000 cu. yds. excavation and 3500 cu. yds. crushed gravel.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

CONTRACT AWARDED

MINERAL COUNTY, Nevada—Nevada Rock & Sand Co., Inc., 949 E. 4th St., Reno, at $65,685.82 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Mineral County, between 3.3 miles west of Luning and 12.8 miles east of Hawthorne, Route 3, Section B2 and C1, a length of 8.48 miles.
Dodg Constr. Co., Inc., Fallon, at $67,505.99 submitted second low bid.

BIDS WANTED

CLATSOP COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for 2.53 miles grading of the Ranger Station-Elsie Section of Wolf Creek Highway, National Recovery Project No. NRH 181-D. The work requires approximately 197,800 cu. yds. excavation.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon upon deposit of $5.

CONTRACT AWARDED

PIERCE COUNTY, Wash.—L. Coluccio Co., 1642 Lane, Seattle, at $16,494 submitted low bid and awarded contract by the Washington State Highway Directors, Olympia, Sept. 11 for grading and surfacing about 0.4 mile of State Road No. 14, Gig Harbor North, U.S.P.W. Project NRH 209-A, in Pierce County.
The other bids were:
Allen &Govan, Inc., Olympia.....$16,994
Rogers Const. Co., Tacoma..... 18,405
Halleran Bros., Seattle..... 18,506
Nelson & Hibbard, Forks..... 19,204
A. Del Guzzo, Seattle..... 21,333

BIDS WANTED

CLATSOP COUNTY, Oregon—Until October 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, Third Floor, Public Service Bldg., Portland, for regrading and surfacing Necanicum-Elsie Section of Wolf Creek Highway, National Recovery Projects Nos. NHR 181-A, NHR 181-B and NHR 181-C. 11.28 miles regrading and surfacing and furnish crushed rock in stockpiles. Requires approximately 30,000 cu. yds. excavation and 33,400 cu. yds. crushed rock.
Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, Oregon, upon deposit of $5.

BIDS WANTED

MARIN COUNTY, Cal.—Until Sept. 24, 11 A. M., as previously reported, bids will be received by the Marin County Board of Supervisors, County Court House, San Rafael, V. M. Rice, County Clerk, for applying armor coat to various streets in Tamalpais Valley, Homestead and Mill Valley, and resurfacing various streets in Homestead.
The work involves:
(1) 283 bbls. light oil;
(2) 113 tons heavy oil;
(3) 1,085 tons rock;
(4) 542 tons screenings.
Plans and specifications obtainable from County Surveyor Rodney Messner. Estimated cost, $6,000.

CONTRACT AWARDED

SAN MATEO, San Mateo Co., Cal.—H. E. Casey Co., 835 Woodside Way, San Mateo, at $0.0848 per sq. ft. was awarded contract by the San Mateo City Council for paving East Santa Inez Ave. and North Fremont Street, involving 40,000 sq. ft. of paving.
Complete bids published Sept. 6.

CONTRACT AWARDED

FORT LEWIS, Wash.—Jos. Warter, Sr., 631 N. Fife, Tacoma, at $51,100 awarded contract by the Constructing Quartermaster, Fort Lewis, for the construction of sidewalks, roads, curbs drains and electric ducts at the Fort Lewis Hospital.

BIDS WANTED

SAN FRANCISCO—The Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Orizaba Avenue, between Randolph and Sargent Sts. and Minerva St., between Capitol and Orizaba Aves. The work involves:
(1) 150 lin. ft. armored concrete curb
(2) 60 lin. ft. 6-in. vitrified clay pipe side sewer;
(3) 1875 sq. ft. 6-in. Class B concrete pavement;
(4) 375 sq. ft. asph. conc. pavement, consisting of a 6-in. Class F concrete base and a 2-in. asph. concrete wearing surface.
Plans and specifications obtainable from City Engineer John J. Casey, Room 357, City Hall, upon deposit of $10.
Estimated cost, $850.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

EL DORADO COUNTY — 0.962 Mi. Grading — (Govt.)

ELDORADO COUNTY, Calif.—Hein Bros. Basalt Rock Co., P. O. Box 162, Petaluma, at $66,968.50 submitted low bid and recommended for award of contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A (portion) of Route 32, the Placerville - Lake Tahoe National Forest Highway, Eldorado National Forest, Eldorado County, a length of 0.962 mi.

The work involves:
(1) 7.5 acres clearing;
(2) 107,700 c.y. unclass. excav.;
(3) 1,200 c.y. do for structures;
(4) 640,000 sta. yds. overhaul;
(5) 0.962 mile finishing earth graded road;
(6) 134 l.f. CMP;
(7) 42 l.f. remove, clean and relay do;
(8) 26 l.f. remove and stockpile do;
(9) 2 each remove and reset headwalls;
(10) 540 c.y. Class A concrete;
(11) 3 c.y. Class B concrete;
(12) 71,000 lbs. reinforcing steel;
(13) 12 each culvert markers;
(14) 7,000 gals. furnishing and applying liquid asph. road material;
(15) maintenance of existing road.

Total bids follow:
(A) Hein Bros. Basalt Rock Co., Petaluma, $66,968.50.
(B) Frank C. Cuffe, San Rafael, $70,359.00.
(C) Young & Son Co., Ltd., Berkeley, $72,954.00.
(D) Hanrahan-Wilcox Corp. San Francisco, $78,478.50.
(E) Bodenhamer Const. Co., Oakland, $80,338.00.
(F) J. R. Reeves, Sacramento, $80,950.05.
(G) Peninsula Paving Co., San Francisco, $85,081.10.
(H) Hemstreet & Bell, Marysville, $85-926.00.
(I) A. Teichert & Son, Sacramento, $87,469.65.
(J) S. H. Palmer, San Francisco, $89,202.10.
(K) Biasotti, Willard & Biasotti, Stockton, $106,496.60.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$400.00	$500.00	$425.00	$400.00	$500.00	$185.00
(2)	.38	.40	.43	.48	.45	.53
(3)	1.30	1.25	1.25	1.50	2.00	1.50
(4)	.005	.005	.005	.005	.01	.004
(5)	250.00	500.00	300.00	250.00	500.00	400.00
(6)	2.00	2.00	1.85	3.00	2.50	2.25
(7)	1.00	1.50	1.00	1.00	1.00	2.00
(8)	.60	1.00	.50	.50	1.00	1.50
(9)	25.00	15.00	12.00	15.00	20.00	30.00
(10)	23.00	24.00	24.50	25.00	25.00	22.25
(11)	20.00	24.00	25.00	25.00	25.00	22.25
(12)	.06	.055	.055	.05	.05	.05
(13)	2.20	2.00	2.50	2.50	2.60	3.50
(14)	.10	.10	.10	.10	.15	.12
(15)	200.00	200.00	200.00	200.00	200.00	200.00

	(G)	(H)	(I)	(J)	(K)
(1)	$500.00	$500.00	$350.00	$750.00	$300.00
(2)	.47	.45	.58	.50	.75
(3)	1.60	2.00	1.50	2.00	1.00
(4)	.013	.01	.005	.01	.01
(5)	350.00	500.00	325.00	500.00	300.00
(6)	1.90	2.00	2.00	1.90	2.50
(7)	.60	2.00	1.00	1.00	1.00
(8)	.30	2.00	.50	.50	1.00
(9)	12.50	20.00	10.00	10.00	20.00
(10)	28.00	35.00	23.00	27.50	20.00
(11)	28.00	35.00	15.00	27.50	20.00
(12)	.05	.055	.05	.06	.05
(13)	2.40	3.00	1.50	2.00	2.50
(14)	.12	.12	.07	.10	.10
(15)	200.00	200.00	200.00	200.00	200.00

Two bids submited were not read because the bidders failed to sign the NRA certificate of compliance.

TEHAMA COUNTY — 4.9 MI. SURFACING — (GOVT.)

TEHAMA COUNTY, Cal.—Tiffany Construction Co., 535 N. Seventh St., San Jose, at $25,097 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing a crushed gravel base course on Section B of the Southwest Approach to Lassen Volcanic National Park, Lassen Nat'l. Forest, Tehama County, a length of 4.911 miles. The work involves:

(1) 2100 tons gravel sub-base;
(2) 18,200 tons crushed gravel base course;
(3) 250 tons supplemental crushed gravel;
(4) 250 tons crushed gravel screenings;
(5) 600 M. gallons watering.

Total bids follow:
(A) Tiffany Constr. Co., San Jose, $25,097.
(B) R. Carlson, Vallejo, $26,032.50.
(C) Pacific States Constr. Co., San Francisco, $27,877.50.
(D) Hein Bros. Basalt Rock Co., Petaluma, $27,970.
(E) Harold Smith, St. Helena, $29,291
(F) Hanrahan - Wilcox Corp., San Francisco, $29,898.
(G) Hemstreet & Bell, Marysville, $32,845.
(H) Engineer's Estimate, $29,105.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$1.10	$ .70	$ .70	$ .75	$1.00	$ .55	$ .75	$1.10
(2)	1.16	1.25	1.35	1.35	1.38	1.49	1.60	1.35
(3)	1.20	1.25	1.35	1.45	1.30	1.50	1.60	1.30
(4)	4.00	3.00	3.50	1.85	3.00	3.00	3.00	2.60
(5)	.75	1.60	1.25	2.00	2.00	1.00	2.00	2.50

Award recommended to low bidder.

COMPLETE BID LISTING

SAN BERNARDINO CO., Cal.—Griffith Co., 502 Los Angeles Railway Bldg. Los Angeles, at $24,954.20, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for about 0.4 mile in length to be graded and paved with Portland cement concrete in San Bernardino County through Bloomington.

Total bids follow:
(A) Griffith Co., Los Ageles, $24,954.20.
(B) C. O. Sparks, Los Angeles, $25,614.50.
(C) B. G. Carroll, San Diego, $27,973.15.
(D) Matich Bros., Elsinore, $29,108.50.
(E) George Herz & Co., San Bernardino, $31,565.00.

Unit quantities follow:
(1) 20 stations clear and grub right-of-way;
(2) 1,500 c.y. rdwy. excav., unclass.;
(3) 3,400 sta. yds. overhaul;
(4) 250 c.y. structure excavation;
(5) 4,500 sq. yds. subgrade for pave.;
(6) 900 c.y. Class A Portland cement concrete (pavement);
(7) 71 c.y. do (structures);
(8) 130 c.y. do (sidewalks, curbs and gutters);
(9) 31,000 lbs. bar reinf. steel (pavement and structures);
(10) 48 l.f. 12-in. CMP;
(11) 2,500 sq. yds. asph. paint binder;
(12) 4,300 tons crushed gravel or stone
(13) 190 tons fuel oil;
(14) 190 c.y. concrete removed from existing pave. and struc. and disposed of;
(15) 70 l.f. timber wheel guard;
(16) 20 stations finish roadway;
(17) 18 each monuments, complete in place.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$2.00	$5.00	$5.00	$5.00	$10.00
(2)	.30	.50	.50	.50	.30
(3)	.005	.01	.02	.01	.02
(4)	.60	.75	.65	.90	1.00
(5)	.10	.10	.09	.12	.12
(6)	9.50	8.00	10.76	9.35	12.00
(7)	22.00	18.00	15.05	19.00	20.00
(8)	12.00	14.00	11.32	12.15	20.00
(9)	.05	.055	.045	.045	.04
(10)	1.40	.50	.25	.25	1.00
(11)	.02	.05	.03	.03	.03
(12)	2.00	2.25	2.49	2.85	2.60
(13)	7.00	9.00	8.20	9.00	8.00
(14)	1.60	1.75	1.75	2.50	5.00
(15)	2.00	1.25	1.00	1.40	1.00
(16)	4.00	5.00	3.00	3.00	5.00
(17)	3.00	2.00	3.00	2.00	3.00

BIDS OPENED

KERN COUNTY, Cal. — Clyde W. Wood, Box 49, Stockton, at $10,228.30 submitted low bid to the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone about 0.7 miles in length in the town of Maricopa, on Klipstein, Poso, California and Merced Streets, Kern County, involving:
(1) 5150 cu. yds. rdwy. excavation, unclass.;
(2) 600 sta. yds. overhaul;
(3) 3100 cu. yds. imported borrow;
(4) 450 cu. yds. structure excavation
(5) 390 M. gals. water;
(6) 50 cu. yds. asph. concrete in existing pavement, removed and disposed or;
(7) 900 tons crushed gravel or stone bituminous treated surfacing);
(8) 50 tons cut back asph. road oil (bituminous treated surfacing);
(9) 950 tons mixing cut-back asph. road oil and crushed gravel or stone;
(10) 1280 bbls. fuel oil;
(11) 18,500 sq. yds. preparing, mixing and shaping roadbed;

12) 10 cu. yds. Class A Portland cement concrete (strucs.);
13) 410 lbs. bar reinforcing steel (strucs.);
14) 192 lin. ft. 18-in. C.M.P.;
15) 138 lin. ft. 24-in. C.M.P;
16) 76 lin ft. 36-in. C.M.P.;
17) 84 lin. ft. 48-in. C.M.P.;
18) 42 lin ft. C.M.P. clean and relay;
19) 4 each. culvert markers;
20) 35 stations finishing roadway;
21) 18 each, monuments complete in place.

Total bids follow:

A) Clyde W. Wood, Stockton, $10.-228.30.
B) John Jurkovich, Fresno, $12,463.60
C) Granite Constr. Co., Watsonville, $13.081.70.
D) L. A. Brisco, Arroyo Grande, $14,962.70.

	(A)	(B)	(C)	(D)
1)	$ .25	$ .30	$ .30	$ .40
2)	.01	.10	.015	.01
3)	.30	.50	.60	.55
4)	1.00	1.00	1.00	1.75
5)	2.00	2.00	2.20	5.00
6)	2.00	3.00	3.00	3.50
7)	2.25	1.50	3.00	3.25
8)	15.50	16.00	20.00	18.00
9)	.50	1.00	.70	.60
10)	1.40	1.50	1.30	1.60
11)	.04	.08	.06	.06
12)	25.00	30.00	35.00	30.00
13)	.08	.06	.07	.06
14)	.50	1.00	.30	.25
15)	.50	1.00	.40	.30
16)	1.00	2.00	.60	.30
17)	1.00	2.00	1.00	.35
18)	.50	1.00	.80	.50
19)	2.50	2.00	3.00	2.50
20)	5.00	10.00	10.00	5.00
21)	3.00	3.00	3.00	3.00

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COCONINO COUNTY, Ariz.—G. R. Daley, 4430 Boundary St., San Diego, and Vinson & Pringle, 919 E. Madison St., Phoenix, bidding jointly, at $184,-857.90, as previously reported, submitted low bid and recommended for the award of contract by Bureau of Public Roads, 802 Title & Trust Building, Phoenix, for grading and placing a selected material subgrade reinforcement on 9.141 miles of Route 8, Hermit Rest, Grand Canyon National Pk., Coconino Co., Ariz.

The work involves:

(1) 23,500 c.y. unclass. excavation;
(2) 41,500 c.y. do for borrow;
(3) 2,200 c.y. do for structures;
(4) 20,000 sta. yds. overhaul;
(5) 31,200 c.y. mi. borrow haul;
(6) 30,500 c.y. subgrade reinf.;
(7) 6,100 c.y. existing road obliteration excavation;
(8) 2,000 M. gals. watering;
(9) 1,474 l.f. 18-in. CM pipe, in place;
(10) 198 l.f. 24-in. do;
(11) 112 l.f. 36-in. do;
(12) 304 l.f. removing and stockpiling existing CMP;
(13) 3,400 c.y. masonry;
(14) 4,950 l.f. masonry curb;
(15) 11 c.y. Class A concrete;
(16) 750 lbs. reinforcing steel;
(17) 2,750 lbs. cast steel;
(18) 214 l.f. paved ditch;
(19) 3,100 l.f. protection ditch;
(20) 2,200 l.f. metal railing;
(21) 3,600 l.f. walk;
(22) 1,638 l.f. removing and stockpiling or resetting fence;
(23) extra work, additional clearing;
(24) do. obstruction removal;
(25) do, obliterating existing road.

Total bids follow:

(A) G. R. Daley, Sand Diego, and Vinson & Pringle, Phoenix, $184,857.90.
(B) Morrison-Knudsen Co., Los Angeles, $193,359.70.
(C) Pearson & Dickerson Contractors, Inc., Prescott, $218,280.80.
(D) M. J. Bevanda, Stockton, Calif., $236,996.00.
(E) Skousen Bros., Albuquerque, $228-061.60.
(F) Engineer's estimate, $201,210.30.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.00	$ 1.00	$ 1.44	$ 1.15	$ 2.10	$ 1.00
(2)	.45	.45	.55	.45	.77	.50
(3)	2.40	2.50	2.75	3.00	2.25	2.50
(4)	.03	.02	.03	.02	.05	.04
(5)	.24	.30	.20	.38	.20	.30
(6)	.72	.90	.75	.97	1.00	1.00
(7)	.75	1.00	1.35	1.50	1.00	.80
(8)	4.25	3.00	5.00	5.75	6.00	4.00
(9)	2.20	2.00	2.50	3.00	3.00	2.50
(10)	3.20	3.00	4.00	5.25	4.00	3.50
(11)	6.00	6.00	7.00	7.50	6.00	6.00
(12)	1.00	1.00	1.00	1.50	2.00	1.00
(13)	18.50	19.00	21.00	26.25	20.00	18.00
(14)	1.75	2.00	2.00	2.00	1.25	2.25
(15)	36.00	40.00	50.00	45.00	40.00	50.00
(16)	.08	.10	.10	.09	.10	.10
(17)	.20	.20	.17	.15	.20	.13
(18)	2.00	1.50	2.50	1.50	1.25	1.25
(19)	.12	.15	.30	.55	.25	.15
(20)	2.50	3.00	3.50	1.50	1.25	3.75
(21)	.65	.35	.70	.38	.75	.75
(22)	.50	.15	.35	.75	.20	.10
(23)	5000.00	5000.00	5000.00	5000.00	5000.00	5000.00
(24)	400.00	400.00	400.00	400.00	400.00	400.00
(25)	2000.00	2000.00	2000.00	2000.00	2000.00	2000.00

TEHAMA COUNTY, Cal.—Frank C. Cuffe, Box 441, San Rafael, at $69,-680.23 submitted low bid and recommended for award of contract by the Bureau of Public Roads, 870 Sheldon Bldg., 461 Market St., San Francisco, for grading Section G of Route 21, Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama County. The work involves:

(1) 405 MFBM clearing;
(2) Extra work, miscellaneous clearing;
(3) 142,500 cu. yds. unclass. excav.;
(4) 1429 cu. yd.s do for structures;
(5) 106,000 sta. yds. overhaul;
(6) 5.162 mi. finish earth graded rd.;
(7) 194 lin. ft. 8-in. C.G.M.P. asphalt dipped;
(8) 1552 lin ft. 18-in. do;
(9) 876 lin. ft. 24-in. do;
(10) 54 lin. ft. 30-in. 14 ga. do;
(11) 100 lin. ft. 30-in. 12 ga. C.G.MP. asph. dipped;
(12) 150 lin. ft. 36-in. C.G.M.P. asphalt dipped;
(13) 46 lin. ft. 8-in. C.G.M.P. perforated;
(14) 24 lin. ft 18-in. remove and relay C.G.M.P.;
(15) 13 each Type A spillyway inlets;
(16) 27 cu. yds. Class A concrete;
(17) 30 cu. yds. Class B concrete;
(18) 2200 lbs. reinforcing steel;
(19) 12 cu. yds. crushed rock or gravel
(20) 92 each right-of-way monuments.

Total bids follow:

(A) Frank C. Cuffe, San Rafael,, $69,-680.23.
(B) MacDonald, Poulos & McEwen, Sacramento, $70,535.60.
(C) F. M. Bodenhamer & Bodenhamer Constr. Co., Oakland, $88,740.45.
(D) Harms Bros., Sacramento, $90,-272.80.
(E) A. Teichert & Son, Sacramento, $90,756.35.
(F) Hanrahan - Wilcox Corp., San Francisco, $99,942.30.
(G) Young & Son Co., Ltd., Berkeley, $104,034.60.
(H) Engineer's Estimate, $90,593.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 10.00	$ 11.50	$ 10.00	$ 15.00	$ 10.00	$ 10.00	$ 10.00	$ 10.00
(2)	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00
(3)	.37	.366	.49	.49	.50	.57	.60	.50
(4)	1.25	1.25	1.25	1.00	1.25	1.40	1.00	2.00
(5)	.91	.01	.01	.01	.02	.005	.015	.02
(6)	200.00	300.00	500.00	400.00	300.00	350.00	300.00	300.00
(7)	.91	1.00	1.00	1.00	1.25	1.80	1.00	1.10
(8)	1.80	1.70	1.85	2.00	2.00	2.10	2.00	1.60
(9)	2.70	2.40	2.75	2.75	3.00	3.20	3.00	2.60
(10)	3.35	3.05	3.50	4.00	3.50	5.00	3.70	3.50
(11)	4.38	3.85	4.00	4.50	4.00	6.00	4.50	4.25
(12)	5.34	4.50	5.50	5.00	5.00	5.50	5.70	4.50
(13)	1.04	1.00	1.00	1.00	1.00	1.50	1.25	1.50
(14)	1.00	1.00	1.00	1.00	1.00	.60	1.00	.50
(15)	13.50	12.50	20.00	20.00	14.00	10.00	15.00	12.50
(16)	24.00	40.00	26.00	30.00	30.00	25.00	27.00	30.00
(17)	24.00	40.00	26.00	30.00	30.00	25.00	27.00	27.50
(18)	.06	.05	.05	.06	.06	.05	.06	.06
(19)	4.00	6.00	5.00	4.00	6.00	3.75	5.00	3.00
(20)	3.00	3.00	4.00	3.00	3.50	2.50	3.00	3.00

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Unit Price Review

EPTEMBER 29, 1934

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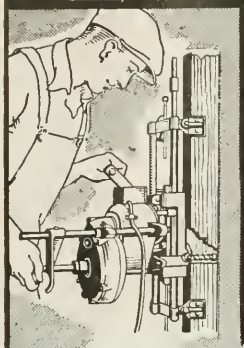
WAPPAT Electric TOOLS



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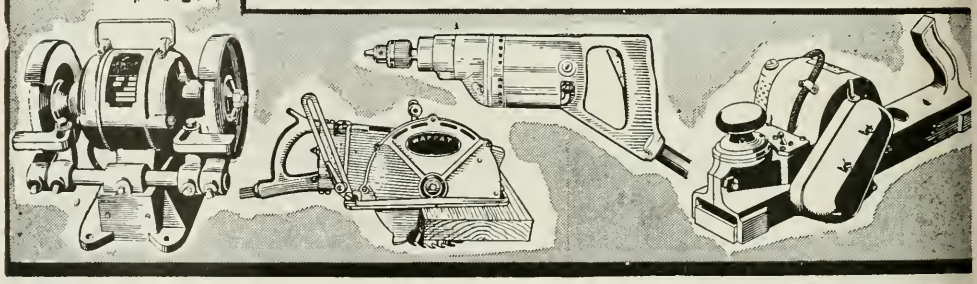

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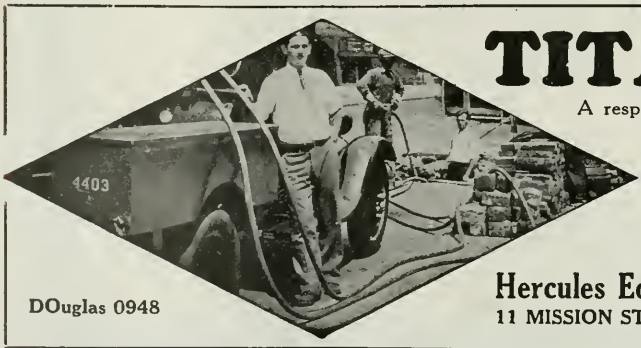

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Vol. XVII SAN FRANCISCO, CALIF., SEPTEMBER 29, 1934 No. 39

Open Bids on First PWA School Contract; Meyer Construction Low at $594,567

Meyer Construction Company submitted the lowest of seven bids received yesterday by the San Francisco Board of Public Works for erecting the academic unit of the George Washington High School. The low bid was $594,567. The total of low bids on the general contract, electrical work, mechanical and plumbing was $733,994.

Following are the complete total bids on the general contract:

General

Meyer Construction Co.	$594.567
Anderson & Ringrose	$629,450
K. E. Parker Company	$689,000
MacDonald & Kahn	$698,896
O. Monson	$702,000
Lindgren & Swinerton, Inc.	$724,419
Clinton Construction Company	$729,000

Separate bids were taken on the electrical work and on the mechanical, plumbing and gas fitting. Complete total bids on these contracts follow:

Electrical

Lynn & Hefferman	$56,510
Victor Lemoge	56,550
Alta Electric & Mechanical	56,600
H. C. Raid & Co.	65,250
Central Electric Co.	65,800
Edward J. Lynch Electric Co.	66,660
Enterprise Electric Co.	66,720
Butte Electric & Mfg. Co.	67,663
Severin Electric Co.	67,820

Mechanical and Plumbing

Anderson & Rowe	$82,917
Herman Lawson Co.	89,600
Scott Company	89,649
Fred W. Snook Co.	94,330
James A. Nelson, Inc.	96,560

The contract is for construction of one wing of the school building, located on the Thirty-second Ave. side of a site bounded by Thirtieth and Thirty-second Aves. and Geary and Balboa Sts. The wing to be contracted includes all of the classrooms. It will be three stories of reinforced concrete.

Another wing, in which will be located the gymnasium and auditorium, and a separate building for the shops will be constructed under a separate contract.

The school plant complete will cost approximately $1,200,000. It is being built from proceeds of the 1933 bond issue and a PWA grant of thirty percent of the cost of labor and materials. The contract on which bids were received yesterday is the first of the $3,000,000 PWA school building program.

Figures received indicated that the school program can be completed within the amount of money available, despite previous reports that increasing costs would make contract prices above the estimates. The estimate on the general contract was $600,000; for the electrical, $52,000, and the mechanical, $95,000. The electrical contract was the only one of the three on which the low bid exceeded the estimate. The total of $733,994 on the three low bids, represents a saving on the estimates of $13,000.

The bids were taken under advisement to be referred to City Architect Chas. H. Sawyer and to Miller & Pflueger, architects who designed the school. Awards will be made after recommendations have been concurred in by Clifton E. Hickok, district engineer for the Public Works Administration.

L. A. Paving Co. Low Bidder On Boulevard Paving

LOS ANGELES, Sept. 27.—Low bid was submitted to State Highway Engineer here today by Los Angeles Paving Company, at $77,240.50, on a contract for highway improvement in Los Angeles. J. L. McLain of Los Angeles, was second low bidder at $80,479.

The contract calls for grading and paving with asphalt concrete approximately six-tenths of a mile between west city limits and Beverly Boulevard.

Bids were received at the same time on a contract for grading, treating with fuel oil and applying bituminous surface treatment on about 6.6 miles in Los Angeles and San Bernardino counties between Camp Cajon and 5.5 miles east of Llano. George Herz and Company of San Bernardino was low with a figure of $24,779.

$687,000 CITY HOSPITAL WARD BIDS OCT. 24

Contract For Psychopathic - Cancer Addition Advertised by Board

The contract for erecting a building to house psychopathic and cancer cases at the San Francisco hospital was ordered advertised yesterday by the San Francisco Board of Public Works. Bids will be received October 24. Plans and specifications will be ready for distribution today at the office of City Architect C. H. Sawyer. The estimated cost is $687,000.

The building was designed by Architect Martin J. Rist. The structural engineer is H. J. Brunnier and mechanical engineers are Leland & Haley.

Separate bids will be received for the general contract, estimated at $559,000; mechanical and plumbing, $95,000, and electrical, $33,000. The plan deposits will be $50 for the general and $25 for each of the other contracts.

The building is financed by proceeds of a special bond issue. The contract was first advertised more than a year ago, but was delayed by disputes over the prevailing wage scale and again in order to revise plans.

$1,495,000 FUND FOR CITY SERA PROJECTS

According to present appropriations of Federal funds, $1,495,641 will be expended by State Emergency Relief Administration for work relief labor in modernization, rehabilitation and improvement of city-owned property in San Francisco, Arthur D. Greenleigh, acting director of the SERA for the city, reports. Of this amount $367,921 has already been expended.

The city-owned properties that have been improved by SERA labor are: O'Shaughnessy Boulevard, Lake Merced Boulevard, McLaren Park, the Laguna Honda Home, San Francisco Hospital, Civic Auditorium, Hall of Justice, City and County Jail, City Hall, Marina Seawall, Crocker-Amazon Playground, Douglas Park Playground and Kezar Stadium.

$2,893,000 FOR SCHOOL BUILDING PROGRAM SOUGHT

Berkeley District to Ask Bonds At November Election; Apply For PWA Grant

Two bond issues totaling $2,893,500 for the construction of new buildings and repair of existing structures in compliance with the state earthquake hazard act will be submitted to Berkeley voters on a special ballot at the general election November 6. The school directors yesterday authorized bonds for the elementary district in amount of $2,216,500 and for the high school district in the amount of $677,000.

The bond issue, it is understood, will include funds for the reconstruction of three new elementary schools and the original high school building on Grove Street that now is being razed. In addition money will be sought to recondition 12 elementary schools, three junior high schools, the high school and the vocational school at Edison School.

The two elementary schools it is planned to reconstruct are LeConte and Whittier. Reconstruction of Washington, Emerson, Franklin, Jefferson, John Muir, Longfellow, Lincoln, Millside and Cragmont elementary schools also is planned under the bond issue. Other schools will be reconditioned under current funds.

Funds to aid in the rehabilitation program of the board also are being sought from Public Works Administration. At present a request for a loan and grant sufficient to finance the entire program now is before PWA officials. The board recently learned that the legal, finance and engineering departments of the Federal organization already have approved the grant.

However, a lack of funds is said to be delaying the actual granting of the request. The board is expected to make an amended request to PWA asking for only the grant, which is 30 percent of the money needed for the program.

Wilson, Burbank and Garfield junior high schools are to be reconstructed, as is the high school.

SAN LEANDRO SPAN NEARS COMPLETION

The San Leandro Bridge project is more than eightyfive per cent complete, according to SERA officials. The work now being completed under the State Emergency Relief Administration, was started by the CWA.

Excavation on the project has amounted to 350 cubic yards, with 776 cubic yards of concrete, 35 tons of reinforcing steel and 30,000 feet of lumber being used in the work. During the past three months 1134 men, employed on the project as carpenters, steelmen, cement finishers and unskilled labor, worked a total of 13,460 hours, according to the SERA.

PARKER CO. LOW ON SANTA CLARA P. O.

WASHINGTON, D. C., Sept. 17. —K. E. Parker Co., 125 South Park Street, San Francisco, submitted low bid to the Treasury Department today for construction of the U. S. Post Office at Santa Clara. Second and third low figures, respectively, were submitted by Wm. Spivock, $31,214, and A. Nelson, Inc., $31,840.

Plans for the building were prepared by Treasury Department architects, and call for a one-story Mission style building with tile roof.

Call for Bids On Three State Road Contracts

SACRAMENTO, Sept. 25. — The State Highway Commission today called for blds to be opened Oct. 17 and 18 in Sacramento and Los Angeles on three highway improvement contracts. The projects are located as follows:

Plumas County: Grading about 2.5 miles between Rock Creek and Storrie. Blds will be opened in Sacramento October 17. The work involves major items of about 25 acres of clearing and grubbing right of way, 156,000 cubic yards of unclassified roadway excavation, 375,000 station yards overhaul, laying about 1000 feet of corrugated metal pipe, 2,325 cubic yards of rubble masonry, and others.

Fresno County: Grading and paving with asphalt concrete about one mile between Selma and Fowler Switch Canal. Blds will be opened in Sacramento October 17. The work involves major items of approximately 12,500 cubic yards of unclassified roadway excavation, 9,300 cubic yards imported borrow, 41,000 station yards overhaul, 5,000 square yards subgrade for pavement, 4,700 tons asphalt concrete, 21,200 pounds bar reinforcing steel for structures, 20,100 square yards mixing fuel oil and earth material, 1,225 tons crushed gravel or stone borders, laying about 450 feet of corrugated metal pipe, and others.

Los Angeles County: Grading and paving about five-tenths of a mile in Long Beach between Loma and Hathaway Avenues. Bids will be opened in Los Angeles October 18. The work involves major items of approximately 25,500 cubic yards of unclassified roadway excavation, 194,000 station yards overhaul, 19,000 square yards subgrade for pavement, 3,775 cubic yards Class "A" Portland cement concrete pavement 310,000 gallons watering, 90,500 lbs. bar reinforcing steel for pavement and structure, and others.

$102,000 BONDS FOR SCHOOL AND HARBOR APPROVED

$125,000 New Construction Projects in Healdsburg and Martinez Assured

At special elections held September 25 in Martinez and Healdsburg two new construction projects to cost about $125,000 were assured when voters approved bond issues to finance the work.

Bonds in the amount of $64,000 were voted by the Healdsburg Grammar School District to finance construction of new grammar school buildings. Erection of three frame and stucco school units is planned. Preliminary sketches have been prepared by Architect John I. Easterly of Healdsburg. Cost of the completed buildings has been estimated at $75,000, of which amount $15,000 will be derived through salvaging the old school building.

Martinez approved a $38,000 bond issue for construction of a new municipal yacht harbor by a large majority. Total cost of the project will be about $53,000, with $15,000 being provided by a PWA grant. Present plans call for a 900-ft. pier extension, boat landing facilities, dredging, piling, filling and construction of levees. E. Geoffrey Bangs of Oakland, is architect and Lochiel M. King of Alameda, consulting engineer for the Martinez project.

Set October 16 For Pittsburg Bond Election

October 16 has been set by trustees of the Pittsburg school district as the date for a special election to pass on a $79,000 bond issue to finance reconstruction of three Pittsburg school buildings.

The buildings on which work is planned are: the primary school, to cost approrimately $40,000; the junior high school, to cost about $38,000, and the intermediate school on which approximately $18,000 will be spent.

Repair and reconstruction of the three buildings has been declared necessary to bring them up to the standards set by the State earthquake safety act.

If the bonds are approved the additional funds needed to carry out the $96,000 program will be secured through sale of the post office site at $10,000. The district's building fund at the present time contains $4,000 which will be available for the reconstruction work.

Business Leaders Named To Direct San Francisco Better Housing Campaign

Representing contractors, building material firms, banks and other interests concerned in the repair and modernization drive, the full list of appointments to the executive committee for San Francisco's Better Housing Program has been announced by Chas. M. Cadman, chairman of the chamber of commerce housing committee and director of the local campaign.

The committee, which is headed by Mr. Cadman, is composed of the following members: H. H. Hilp, of Barrett & Hilp; David H. Ryan, secretary Bay Counties District Council of Carpenters; John W. Bender, J. W. Bender Roofing and Paving Co.; Benjamin F. Blair, Standard Sanitary Mfg. Co.; Wm. H. George, Henry Cowell Lime & Cement Co.; A. H. Wilhelm, Builders' Exchange; John W. Proctor, Chamberlain & Proctor; K. C. Ingram, Lord & Thomas; Fred W. Pabst, Don Lee, Inc.; Geo. E. Greenwood, P. J. Walker & Co.; Edward L. Soule, Soule Steel Co.; James K. Lochead, American Trust Co.; Lloyd E. Graybiel, American Trust Co.; P. W. Meherin, Mark Meherin & Son; Frank E. Gilmore, Enterprise Engine Co.; John B. Cahill, Cahill Bros.; R. L. Fisher, Pacific Gas & Electric Co.; Howard Hilliard, Paraffine Companies, Inc.; Mrs. R. E. Trenoureaux; A. A. Courteney, Jr., Pacific Portland Cement Co.; Albert J. Evers, architect; J Giles Miller, Barrett & Hilp Wm. H. Worden, San Francisco Department of Public Works; Thomas J. Kent, architect, and H. J. Brunnier, consulting engineer.

It is expected that other committee announcements will be forthcoming before the end of the week. The general publicity committee has completed its organization and will announce its permanent chairman and sub-committees on Friday.

At a meeting of the executive committee David H. Ryan, committee member representing the Bay Counties District Council of Carpenters, explained the attitude of the council and of the building trades toward the relief situation in connection with the housing drive.

He stated that the building trades unions desire to do everything in their power to assist those on relief, but that there were a great many border line cases of workers who have been able to remain off the relief rolls thus far and that these likewise should be given consideration.

The question of putting an exhibit in the Civic Center to consist of demonstration of a house being actually repaired, and also of various displays of building materials and appliances, was discussed at some length. It is proposed to move an old dilapidated house into the Civic Center and have it repaired from cellar to attic by a crew of trained craftsmen, with each step of the operation being explained through a public speaking system or other device.

ARCHITECTS FIX SPECIAL FEES FOR FHA DRIVE

Flat Charge Scale Approved By A. I. A. to Aid Federal Campaign

Architectural services will be available to all property owners in Northern California at nominal rates, based on a scale of flat fees, during the period of the Federal Housing Administration campaign for modernization of buildings, Architect Albert J. Evers, chairman of the A.I.A., Northern Section, announced yesterday.

The American Institute of Architects and the California State Association of Architects have approved the special fees for the duration of the housing drive. The plan, originated here, is expected to receive the approval of Southern California architects and also to be adopted in other localities.

The architects' consulation service will be operated on a plan analogous to that of the medical profession, offering architectural services at rates which are within the means of all. Employment of an architect will be recommended by solicitors for the housing campaign to property owners contemplating extensive work. The property owner will be at liberty to select any architect.

A fee of $10 will include an initial consultation and architectural diagnosis, including a visit to the site and recommendation of work necessary. Thereafter the architect will discuss the work with the owner at the architect's office for $3 for each visit, not to exceed one hour. Subsequent visits to the site will be charged for at the rate of $5 each. If the services of a draftsman are required a time charge of $2.50 per hour is to be made.

These special fees are to be available only during the period of the housing drive, Mr. Evers said. They apply also only to minor projects. The usual scale of fees is applicable to all major work.

San Francisco architects will cooperate in the plans of the Better Housing Campaign Committee to place an obsolete dwelling in the Civic Center block, from which various remodeling schemes will be demonstrated. Final plans for this part of the campaign are being made by George Greenwood, chairman of the Building Industry Committee.

Registrar Reviews 75 Complaints On Contracts in Month

A total of 75 cases, involving $121,384 in construction projects, were submitted to the State Registrar of Contractors for adjudication during August, according to the monthly report of Carlos W. Huntington, director of the Department of Professional and Vocational Standards.

Six cases were dismissed by the Registrar, five defendants having been found not guilty, while in one case the Registrar lacked jurisdiction. Reinstatement of license was ordered in four cases.

During the month, ten contractors were convicted in the municipal and justice courts throughout the State on charges of operating without a license, while nine such cases are still pending in the courts and five contractors arrested on such charges were acquitted.

Application of four contractors for State licenses were denied as a result of their inability to prove their integrity, according to the director's report.

El Cerrito Council Adopts Emergency Building Ordinance

A building ordinance, identical in most respects with that of the adjoining city of Albany, has been adopted by the El Cerrito city council. The ordinance was passed as an emergency measure in order to give the city jurisdiction over several buildings, construction of which is reported planned within the city and which the council considers a menace to health and safety.

The ordinance provides for creating the offices of building inspector and assistant building inspector, to examine and pass upon all buildings, plans and specifications, to issue permits, and to carry out administration of the ordinance. It is specified that the inspector and assistant inspector must be carpenters, engineers, architects or builders of good standing, and must be residents of the city.

The following fees are fixed by the ordinance: for buildings, additions, alterations or removals costing between $10 and $50, the fee is $1; between $50 and $500 the fee is $2; between $500 and $1000 the fee is $3; for each additional $500 up to $5000 an additional $1; and for each additional $1000 over $5,000 and up to $50,000 an additional $1; and for each $1000 over $50,000 an additional fifty cents.

The ordinance became effective with passage.

NATIONAL CODE BOARD PROTESTS 15% DIFFERENTIAL

Authority Seeks Exception on Materials in Construction To Protect Contractors

Important developments at the meeting of the executive committee of the Construction Code Authority held in Washington Sept. 13 included increased efforts to bring about modification of the President's 15 per cent order referring to public construction.

By direction of the authority at its recent meeting in Chicago, a resolution was sent to the Administrator urging him to recommend to the President the exclusion of materials and services entering into construction from the provisions of the much discussed 15 percent order. This Executive Order No. 6767, modifying Executive Order No. 6646, permits material vendors to sell to any governmental agencies construction materials at prices as much as 15 per cent below the prices filed under their respective codes if operated on an open price sytem. This means that such materials may be sold to governmental agencies at 15 per cent less than the price at which members of the construction industry may buy the same materials.

Replies received from the Administrator and other NRA officials to whom copies of the resolution were furnished indicate that the subject is under careful study by NRA, and that the view of the construction industry will be considered in arriving at a decision, but calling for specific information to indicate to what extent recovery within the construction industry seems to be retarded by this order, as claimed in the authority's resolution. The executive committee has accordingly ordered a thorough investigation to be made to list instances where day labor operations are superseding contract performance, or where contractors are being asked to bid only for supplying labor and supervision in order that governmental jurisdictions may avail themselves of any discounts offered by material vendors.

The Divisional Code Authority for General Contractors has been particularly active in opposing this order and in studying its detrimental effects throughout the country.

At a meeting of the executive committee of the Construction Code Authority it was reported that the Federal Housing Administration has made a definite decision with regard to the matter of compliance with the construction code on projects carried on under the Home Modernizing Program, Title I of the Federal Housing Act. Since the housing administration will not make direct loans to home owners, it will not require members of the construction industry performing modernizing work for home owners to file a certificate of compliance as a precedent to adding the loan to the 20 per cent insurance plan, nor does it feel that it can compel lending institutions to require such certification of compliance, since the loans are character loans and are not secured by the property on which the physical improvements are made. However, work performed by members of the construction industry is governed by the construction code, and home owners may require such certification of compliance at their option, although such certification is not necesary to insure compliance with the code.

As a means of arousing interest in the construction code the executive committee decided to continue the practice of holding meetings outside of Washington. In addition to the executive sessions, open sessions will be held for members of the construction industry where problems may be freely brought forth for discussion. The educational program, supplementing the efforts of the various divisional code authorities and trade associations, will intensify present efforts to disseminate information about the code to promote its effective operation and observance.

Menlo Park Sets License Rates For Contractors

Menlo Park City Council has adopted a business license ordinance, establishing fees for all types of business, including contractors of various classifications. Following are the annual license rates, applicable to all persons having a fixed place of business in the city:

Contractor	Fee
Brick	$15.00
Building	12.50
Cement	15.00
Electrical	12.50
Floor	15.00
Glazing	10.00
Heating	15.00
Housemoving	10.00
Jobbing	5.00
Painting	10.00
Paving	20.00
Plastering	15.00
Plumbing	12.50
Roofing	15.00
Sash	10.00
Sewer	10.00
Sheet Metal	15.00
Spraying	10.00
Tile	15.00
Any other contractor not specifically mentioned	15.00

For contractors having no fixed place of business within the city the applicable fee is increased 100 percent. For contractors engaging in more than one type of business classified the rate is the higher fee plus one-half of the lesser license tax.

BIDS SCHEDULED ON FIVE NEVADA ROAD CONTRACTS

State and Federal Work to Be Let During Early October

The Nevada State Highway Directors will open bids October 10 in Carson City on three highway improvement contracts, two calling for highway construction and the third for about fifty miles of asphalt surfacing.

The projects are located as follows:

Clark and Lincoln Counties: Surfacing with asphalt roadmix between Glendale and Maynard Lake, a length of 49.78 miles. The job will require approximately 800,000 gallons of asphaltic road material.

Clark County: Construction of a portion of the state highway system, including asphalt surface, between Apex and a point three miles southwest of Apex, a length of 2.71 miles.

White Pine County: Construction of a portion of the state highway system between Preston and the junction with Route 4, a length of 7.35 miles.

Specifications are available at the office of S. C. Durkee, Nevada State Highway Engineer, in the Heroes Memorial Building at Carson City and are on file in the San Francisco office of the U. S. Bureau of Public Roads.

The Bureau has called for bids to be opened in San Francisco, on two Nevada highway projects. Bids will be opened October 2 for furnishing and applying about 84 tons liquid asphalt road material on Section A of Federal Lands Project No. 7, Charleston Park Road. On October 9 the Bureau will open bids on a contract for grading and placing a crushed gravel base course on Section A of Route 12, the Midland Trail on the Ely-Tonopah highway in White Pine and Nye counties, a length of approximately 12.2 miles.

Plans and specifications for the Bureau of Public Roads projects may be obtained from the office of District Engineer C. H. Sweetser in the Sheldon Bldg., San Francisco.

MATERIAL PRICES DECLINE FRACTION

Building material prices showed an average decline of one-tenth of one percent in the week ending September 1, according to the weekly national survey conducted by the U. S. Bureau of Labor Statistics. The index for the group registered 86.3 compared with 86.4 in the previous week and with the 1934 low point of 85.5. The index shows that material prices have increased 24 percent since the low depression point reached in February, 1933. The increase since the first of 1934, however, is only nine-tenths of one percent.

FISHER NAMED ENGINEER OF FLOOD DIST.

Former San Francisco Consultant Succeeds Eaton On L. A. Project

Samuel Fisher of Covina, has been appointed permanently to the post of chief engineer of the Los Angeles Flood Control District, to succeed E. C. Eaton, whose resignation was announced recently.

The appointment of Mr. Fisher was made by the board of supervisors of the District on September 17. He had been acting chief engineer for two weeks prior to the time his appointment was made permanent. His salary will be $9,000 a year.

Mr. Fisher is a member of the American Society of Civil Engineers. He was graduated from the University of Wisconsin in 1909. As he had to make his own way through college his studies were interrupted for a year in 1907, which he spent as resident engineer for the Mexican International railroad in charge of construction of bridges shops, terminal building and a large earth dam, after which he returned to Wisconsin to finish his course.

On leaving college his first position was as assistant engineer on the C. & N. W. Railroad. Coming to the west coast he was field engineer with Galloway & Markwait, consulting engineers of San Francisco, from 1911 to 1914. During that time he was in charge of field surveys, estimates and investigations on hydro-electric projects. In 1914 he was assistant engineer in charge of construction at the Panama Pacific Exposition, San Francisco, and from 1915 to 1919, resident engineer and assistant chief engineer for the U. V. Extension Milling Company.

Mr. Fisher's connection with the Los Angeles Flood Control District dates from 1919. He served as designing engineer until 1926 and also had charge of construction of the San Dimas and Live Oak dams. During the next four years Mr. Fisher was chief designing engineer of the Flood Control District, making preliminary and final details on the Pacoima, Big Santa Anita, Devil's Gate and Thompson Creek dams; also complete designs, plans and specifications for the Puddingstone, San Dimas, Live Oak, Big Dalton, Sierra Madre, Sunset Canyon, San Gabriel (Forks site 500-ft. gravity dam) and Sawpit dams; San Dimas diversion system, debris basins, concrete conduits and channel improvements.

His service with the Flood Control District was interrupted in 1930 when he went to Wintroath Pumps, Ltd., Alhambra, as assistant sales manager and engineer. He returned to the flood control department in 1932 and was engaged on the San Gabriel Canyon project, designs and estimates for debris dams (concrete arch and gravity dams), and was more recently chief inspector on San Gabriel Dam No. 1, a 350-ft. rock fill structure.

Gate Span Engineers Plan to Berth South Pier Fender Caisson October 5

Preparations for berthing the caisson for the south pier fender of the Golden Gate Bridge are under way this week following the pouring of the center section of the tremie concrete seal in the bottom of the completed fender enclosure, according to the weekly progress report of Chief Engineer Joseph B. Strauss.

The seal, when completed, will contain approximately 28,000 cubic yards of concrete and will form a complete bottom 35 feet in thickness for the fender enclosure.

The center section of the seal has been poured and work has been started on the second section to the east. Each of these sections contain 4,000 cubic yards of concrete.

Pouring of concrete is being accomplished at the rate of approximately 110 cubic yards per hour, according to Mr. Strauss.

Divers working within the fender wall report excellent bottom conditions and declare tnat their work has been greatly facilitated owing to the fact that the calm, clear water within the fender enclosure affords good visibility.

Eight steel inspection wells that will afford access to the bottom of the fender enclosure below the concrete seal have been assembled and two of these already have been cast in the first section of tremie concrete. These eight wells will be used for inspection purposes after the caisson has been sunk in place and will give the engineers the opportunity to inspect the bedrock at the bottom of the fender enclosure in the dry.

Meanwhile the chief engineer anticipates that the caisson, now riding at anchor in the Oakland estuary, will be floated in place about October 5, a date considerably in advance of the original schedule. This will mean that the east end of the fender, eight sections of which have been left open to permit the entry of the caisson, can be sealed up and concreted to their final elevation of 15 feet above water level before there is any chance of winter storms interfering with the work. Upon their completion the caisson will be sunk to the concrete bed at the base of the fender and construction of the pier will commence.

Chief Engineer Strauss reported that work is progressing rapidly on the Presidio approach structures and that work on the cable wire and tower steel in the eastern shops is continuing satisfactorily.

Shipments of deep well water systems reached a total of 7,077 during the first seven months of 1934, as compared with 5,?21 during the first seven montus of the preceeding year, according to statistics compiled by the Bureau of the Census.

ASK BIDS ON GRAND COULEE HIGHWAY SPAN

Contractors Get Authority For Dam Construction Start, Report

The Bureau of Reclamation will open bids October 18 on construction of the Columbia River Highway Bridge at the Grand Coulee Dam. The bids will be opened at the Bureau's office at Almira, Wash.

The work involves construction of a steel bridge of the cantilever type supported on four reinforced concrete piers and with reinforced concrete approaches at each end. The main span will be 550 ft. long and the end spans will each be 200 ft. long. The roadway will be of steel grid and concrete construction with concrete sidewalks on each side.

Specifications provide for a lump sum price, excepting cement and reinforcement bars, and constructing the concrete end piers and approaches, erecting the steel work, and constructing the roadway and sidewalks.

The two main piers located in the river channel are being built by the Western Construction Company of Seattle, under a separate contract awarded by the Bureau last March. Amount of the contract was $180,177.

It is understood that the Silas Mason group of contractors, incorporated last week as the Mason-Walsh-Atkinson-Kier Co. of Delaware, who hold the contract for the first $29,539,301 unit of the Grand Coulee Dam will meet in Spokane today to award contracts for construction camp materials. Authorization for immediate starting of dam construction has been received by the contractors, according to reports from Spokane.

MODEL SHOWS OAKLAND BAY BRIDGE APPROACH

A scale model of the Oakland approach to the San Francisco-Oakland bridge has been placed on display in the offices of the Oakland street department. The model, constructed on a scale of one inch to 50 feet, was built by E. F. Mason of the eastbay city's street department and shows every roadway, street, building, tower and railroad track from the waterfront to Hollis street. Materials used in the model were steel, wood, brass and cloth.

A second model will be built by Mason showing the continuation of the bay bridge approach from Hollis street to Telegraph avenue.

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four week period ending September 20:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
War Department, Washington, D. C.	Ordnance magazines, March Field	DeCamp - Hudson Co., Los Angeles	$ 8,841.00	Sept. 6
War Dept., Washington, D. C.	Ordnance magazines, March Field	DeCamp - Hudson Co., Los Angeles	$ 8,841.00	September 6
Bur. of Reclamation, Vale, Ore.	Earthwork and structures, Vale Project	Haas, Doughty & Jones & Marshall & Stacy, San Francisco	$ 65,204.00	September 7
Bur. of Yards & Docks, Washington, D. C.	Buildings, roads, etc., Lualualei, T. H.	E. E. Black, Honolulu T. H.	$418,000.00	September 11
Bur. of Yards & Docks, Washington, D. C.	Buildings, roads, etc., Summit, Canal Zone	H. B. Nelson Const. Co. Atlanta, Ga.	$275,880.00	September 11
Bureau of Reclamation, Ogden, Utah	Pine View Dam, Ogden	Utah Const., Morrison-Knudsen Co., Ogden	$677,898.00	September 18
Constructing Quartermaster, Ft. Lewis, Wash.	Sidewalks, roads, curbs, drains and electric ducts, Ft. Lewis	Jos. Warter, Sr., Tacoma	$ 51,100.00	September 18
Bureau of Reclamation, Denver	Radial gates and hoists, Hyrum Dam, Utah	Long Beach Iron W'k, Long Beach, Cal.	$ 12,314.00	September 18
U. S. Engineer Office, Sacramento	Outfall gates, Butte Slough	S. H. Palmer Co., San Francisco	$ 85,517.00	September 19
U. S. Engineer Office, Sacramento	Stone embankment, Sacramento River	Basalt Rock Co., Napa	$ 28,000.00	September 19
Bureau of Public Roads, Phoenix, Arizona	17.199 Miles Seal Coat, Coconino County	Arizona Sand & Rock Co., Phoenix	$ 10,214.50	September 20
Bureau of Public Roads, Phoenix, Arizona	4.1 Miles Base Course, Apache County	R. C. Tanner and W. E. Hall Co., Phoenix	$ 15,812.00	September 20
U. S. Engineer Office, Portland	Track Relocation, Etc., Multnomah County	S. Orino, R. Bell, C. T. Malcom, Portland	$846,247.00	September 21
Constructing Quartermaster, Ft. Mason	Surfacing, Benton Field Air Depot	N. M. Ball, Berkeley	$ 48,134.00	September 24
Bureau of Public Roads, Portland	3.5 Miles Grading, Glacier Co., Montana	F. J. Haas, Grandview Washington	$ 89,396.00	September 24
Bureau of Public Roads, Portland	15.51 Miles Surfacing, Pierce Co. Washington	Babler Bros., Portland	$ 78,450.00	September 24
Bureau of Public Roads, San Francisco	4.911 Mile Base Course, Tehama County	Tiffany Const. Co. San Jose	$ 25,097.00	September 26

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending September 20:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Sacramento City Council	Land Park Drive Improvement	McGillivray Const. Co. Sacramento	$ 11,746.53	Sept. 4
Santa Clara County Board of Supervisors	Calaveras Road Improvement	A. J. Raisch, San Jose	$ 9,632.00	Sept. 4
Santa Fe Land & Improvement Co., San Francisco	Channel rip-rap, Richmond	Daniels Cont. Co., San Francisco	$ 20,000.00	Sept. 5
Los Angeles County Board of Supervisors	Dark Canyon bridge	C. F. Robbins and J. P. Immel, Ventura	$ 51,950.00	Sept. 5
Chehalis, Wash., City Council	Distribution system	Queen City Const. Co. Seattle	$ 70,544.00	September 6
Chehalis, Wash., City Council	Gravity mains	Joe Coluccio, Seattle	$ 33,338.00	September 6
Santa Cruz Portland Cement Co. San Francisco	Concrete silos, Long Beach	L. E. Dixon, Los Angeles	$ 78,980.00	September 11
Standard Oil Co. of California, San Francisco	108 Miles pipe line Removal bet. Bakersfield and Richmond	Bechtel - Kaiser Co., San Francisco	$.....	August 27
Standard Oil Co. of California, San Francisco	73 mi. pipe line, East Div, Kern and San Luis Obispo Cos.	Youdall Const. Co. San Francisco	$.....	September 7
Standard Oil Co. of California, San Francisco	36 mi. pipe line, West Div., Kern and San Luis Obispo Cos.	Lindgren & Swinerton San Francisco	$.....	September 11
Los Angeles Board of Public Works	Terminal Island Outfall Sewer	F. W. Weber, South Gate	$ 13,210.00	September 15
Santa Clara County Board of of Supervisors	Campbell Ave. Improvement	A. J. Raisch Co., San Jose	$ 6,340.00	September 17
Tulare County Board of Supervisors	Isolation ward, Tulare Hospital	Hodgson & Son, Bakersfield	$ 30,046.00	September 17
Phoenix City Council	Water system extensions	Arizona Concrete Co., Phoenix	$ 97,241.86	September 18
Sonoma City Council	Sewer Pipe and Fittings	H. C. Muddox, Sacramento	$ 5,111.47	September 22
Sonoma City Council	Sewer Construction	John Pestana & John White, Oakland	$ 5,551.70	September 22
Santa Clara County Board of Supervisors	Brokaw Road Improvement	Union Paving Co., San Francisco	$ 14,495.00	September 24
Santa Clara County Board of Supervisors	Maude Ave. Improvement	Irving L. Ryder, San Jose	$ 7,009.00	September 24
Marin County Board of Supervisors	Armor Coat and Resurfacing	E. A. Forde, San Anselmo	$ 5,704.97	September 24
San Francisco Public Utilities Commission	Riprap on Calaveras Dam	E. T. Lesure, Oakland	$ 25,807.50	September 26

STATE HIGHWAY AWARDS

Following are principal State Highway construction contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idaho in the four week period ending September 20:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
California Highway Comm.	Culvert, Monterey County	B. Rocca & Co., San Rafael	$ 11,382.50	Sept. 1
California Highway Comm.	0.7 mile grade and surface, Riverside County	Geo. Herz & Co., San Bernardino	$ 10,131.30	Sept. 1
Utah Highway Commission	13.682 ml. surfacing, Emery Co.	W. W. Clyde & Co., Springville	$ 42,763.80	September 6
Utah Highway Commission	5.362 miles surfacing, Weber Co.	A. O. Thorn, Springville	$ 49,183.70	September 6
Utah Highway Commission	14.6 miles surfacing, Garfield Co.	Reynolds - Ely Const. Co., Springville	$124,471.50	September 6
California Highway Commission	0.3 mile grade and pave, San Diego County	Daley Corp., San Diego	$ 23,415.00	September 7
California Highway Commission	6.8 mi. grade and surface, Riverside County	Mittry Bros. Const. Co. Los Angeles	$360,809.00	September 7
California Highway Commission	Bridge, grade and surface, Merced County	Valley Pav. & Const. Co., Fresno	$ 20,981.00	September 7
California Highway Commission	1.2 mi. grade and surface, Mono County	Hemstreet and Bell, Marysville	$ 6,862.00	September 7
Utah Highway Commission	10.8 miles surfacing, Carbon Co.	J. W. Whiting, Springville	$ 92,183.80	September 11
Utah Highway Commission	Underpass and approaches, Davis County	T. G. Rowland, Salt Lake City	$ 82,999.06	September 11
Utah Highway Commission	0.581 mile gravel surfacing, San Juan County	Wheelwright Const. Co., Ogden	$ 17,354.00	September 11
Utah Highway Commission	28.5 mi. surfacing, Sevier, Beaver, Sanpete, Juab Counties	J. C. Compton, McMinnville, Ore.	$ 89,801.75	September 11
Utah Highway Commission	20.354 miles surfacing, Washington County	W. W. Clyde & Co., Springville	$143,215.70	September 11
California Highway Commission	Pile protection and fender repair, Marin County	Healy - Tibbitts Const. Co., San Francisco	$ 6,832.00	September 14
California Highway Commission	0.3 mile approaches and two bridges, Los Angeles Co.	Kovacevich and Price, Inc., South Gate	$ 48,281.80	September 14
Washington Highway Comm.	8.4 miles paving, Kittitas Co.	Albertson and Cornell Bros., Tacoma	$229,565.00	September 14
Washington Highway Comm.	7.7 miles surfacing and stockpiling, Kittitas County	Fred G. Redmon, Yakima	$ 34,809.00	September 14
Washington Highway Comm.	Bridge and approaches, Yakima County	R. A. Geary, Yakima	$ 16,997.00	September 14
Washington Highway Comm.	1.5 miles grading, surfacing and paving, Pacific County	Graham Bros. & Medley, Chehalis	$ 55,738.00	September 14
Washington Highway Comm.	0.4 mile grading and surfacing, Pierce County	L. Coluccio Co., Seattle	$ 16,494.00	September 14
Utah Highway Commission	0.894 mile paving, Salt Lake Co.	Christensen - Gardner, Salt Lake City	$ 24,431.00	September 17
Utah Highway Commission	1.87 miles paving, Salt Lake Co.	Gibbons & Reed Co., Salt Lake City	$ 70,978.90	September 17
Idaho Highway Commission	Reflooring & repainting bridge Gooding and Twin Falls Cos.	J. M. Sharp, Boise	$ 7,771.25	September 17
Idaho Highway Commission	7.916 miles surfacing, Clearwater County	J. F. Konen, Lewiston	$ 31,989.80	September 17
Nevada Highway Commission	Overpass, Elko County	N. M. Ball, Berkeley	$ 44,716.30	September 19
Nevada Highway Commission	3.99 miles surfacig, Douglas Co.	Silver State Const. Co. Fallon	$ 7,234.38	September 19
Nevada Highway Commission	12.12 miles surfacing, Lyon Co.	Geo. French Jr. Stockton	$ 22,404.61	September 19
Nevada Highway Commission	14.38 ml. surfacing, Lincoln Co.	Olof Nelson, Logan, Utah	$ 32,811.55	September 19
Nevada Highway Commission	22 miles surfacing, Clark and Nye Counties	Geo. French Jr. Stockton	$ 53,782.94	September 19
Nevada Highway Commission	8.48 mi. road construction, Mineral County	Nevada Rock & Sand Co., Inc., Reno	$ 65,685.82	September 19
California Highway Commission	9.3 Miles Surfacing, Kern Co.	C. W. Wood, Stockton	$ 42,579.00	September 20
California Highway Commission	5.8 Miles Grading and Bridge, Santa Barbara County	Granfield-Farrar, Carlin, San Francisco	$368,268.00	September 20
Utah Highway Commission	5.8 Miles Highway Construction Sanpete County	Christensen - Gardner, Inc., Salt Lake City	$ 30,675.00	September 22
Utah Highway Commission	1.29 Miles Highway Construction Salt Lake County	Strong and Grant, Springville	$ 36,126.00	September 22
California Highway Commission	0.4 Miles Grade and Pave., San Bernardino County	Griffith Co., Los Angeles	$ 24,954.00	September 25
California Highway Commission	0.7 Mi. Grade and Surface, Kern County	C. W. Wood, Stockton	$ 10,228.30	September 25
Washington Highway Comm.	Truss Span and Approaches, Grays Harbor County	Shelbe Const. Co., Seattle	$ 81,409.00	September 25
Washington Highway Comm.	Bridge and Approaches, Lewis County	Western Const. Co., Seattle	$ 19,848.00	September 25
Washington Highway Comm.	One Mile Grading, Lewis Co.	A. C. Greenwood Logging Co., Portland	$ 17,376.00	September 25
Washington Highway Comm.	1.6 Miles Pavement Widening, Pierce County	Jos. Warter, Sr., Tacoma	$ 29,362.00	September 25

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
469	Lachman	Jacks	3000
470	Dolores	Ohlsen	3000
471	Caglieri	Peterson	3000
472	Daly	Owner	1000
473	Hansberg	Owner	2750
744	Sawtelle	Gladstone	5000
475	Caunter	Lindberg	2000
476	Riechmann	Owner	2600
477	Bryan	Owner	2000
478	Herzig	Herzig	4000
479	Herzig	Herzig	5000
480	Herzig	Herzig	4000
481	Herzig	Herzig	4000
482	Herzig	Herzig	4000
483	Herzig	Hergiz	4000
484	Pileri	Owner	1000
485	S P	Owner	4000
486	Hart	Wagner	5000
487	Clement	Owner	1000
438	Blum	Owner	3000

ALTERATIONS
(469) SE 16th and MISSION Sts.; new marquee and alter store.
Owner—Lachman Bros., SE 16th and Mission Streets.
Architect—Hyman & Appleton, 68 Post Street.
Contractor—Jacks & Irvine, 74 New Montgomery St. $3000

DWELLING
(470) E ELLINGTON 130 N Foote; 1-story and basement frame dwelling.
Owner—Dolores Realty Co., 16th and Valencia Streets.
Architect—Not Given.
Contractor—Supervision by A. H. Ohlsen, 242 Vienna. $3000

ALTERATIONS
(471) 327 PRESIDIO AVE.; alter flats and build penthouse on roof.
Owner—Mrs. Caglieri, 329 Presidio.
Architect—Farr & Ward, 68 Post St.
Contractor — Einar C. Petersen, 1290 Hayes Street. $3000

ALTERATIONS
(472) NO. 1458-1460 DOLORES ST. Alter flats.
Owner—Mrs. Daly, 1462 Dolorea St., San Francisco.
Architect—Not Given. $1000

DWELLING
(473) E RUTLAND 200 N Wilde St. One-story and basement frame dwelling.
Owner—William Hansberg, 130 Wilde St., San Francisco.
Architect—Not Given. $2750

ALTERATIONS
(474) NO. 227 BROADWAY. Alter dwelling.
Owner—Wm. Sawtelle, 2010 Broadway, San Francisco.
Architect — H. H. Gutterson, 526 Powell St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francsico. $5000

ALTERATIONS
(475) NO. 298 CHENERY ST. Alter dwelling.
Owner—E. C. Caunter Jr., Premises.
Architect—Not Given.
Contractor—C. Lindberg, 615 Naylor St., San Francisco. $2000

DWELLING
(476) NW MOULTRIE & TOMKINS Sts. One-story and basement frame dwelling.
Owner — Wm. Riechmann, 469 Ellsworth St., San Francisco.
Architect—Not Given. $2600

ALTERATIONS
(477) NO. 3527 GEARY ST. Alter columbarium.
Owner—Cecil E. Bryan, Premises.
Architect—Clarence L. Jay, 2300 N. Marengo Ave., Pasadena.
Engineer—James McFarland, 710 47th Ave., San Francisco. $8000

DWELLING
(478 E TWENTIETH AVE 50 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $4000

DWELLING
(479) E TWENTIETH AVE 130 S Sloat Blvd. One and one-half-story and basement frame dwig.
Owner—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $5000

DWELLING
(480) E TWENTIETH AVE. 120 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St., San Francisco
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $4000

DWELLING
(481) E TWENTIETH AVE 250 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $4000

DWELLING
(482) E TWENTIETH AVE 170 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $4000

DWELLING
(483) E TWENTIETH AVE 90 S Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. Amandes, 146 45th Ave., San Francisco.
Contractor—A. J. Herzig, 635 Victoria St., San Francisco. $4000

ALTERATIONS
(484) NO. 632 CONNECTICUT ST. Alter dwelling.
Owner—Agostino Pileri, Premises.
Architect—Not Given. $1000

ALTERATIONS
(485) 29-33 SPEAR ST.; alter offices and stores.
Owner—Southern Pacific Co., 65 Market Street.
Architect—J. H. Christie, 65 Market Street. $4000

ALTERATIONS
(486) 1660 HAIGHT ST.; alter store.
Owner—Mrs. C. E. Hart, 897 Clayton.
Architect—Not Given.
Contractor—George Wagner, 181 South Park. $5000

ALTERATIONS
(487) 1147-49 SANCHEZ ST.; alter apartments.
Owner—W. Clement, 479 27th St.
Architect—Not Given. $1000

DWELLING
(488) N SILLIMAN ST. 40 E Brussels St. One-story and baasement frame dwelling.
Owner—Joe Blum, 212 Silliman St., San Francisco.
Architect—Not Given. $3000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
373	California	Owner	7000
374	Gaffney	Dixon	1000
375	Rosenberg	Owner	1500
376	Rio	Harman	3600
377	Rio	Harman	3675
375	Adams	Bent	1000
376	Moen	Owner	3000
376	Kidd	Michael	1000
377	Golden	Rasori	30000
378	Fidelity	Atkinson	1000
379	Pfrang	Owner	1000
380	Smith	Walker	5000

ADDITIONS
(373) NO. 801 PARKER ST., **BERKELEY.** Additions. ....
Owner—California Corrugated Culvert Co., Fifth and Parker Sts., Berkeley.
Architect—M. M. Manor, 354 Hobart St., Oakland. $7000

ALTERATIONS
(374) NO. 1640 SIXTH AVE., **OAKLAND.** Alterations.
Owner—Mrs. S. Gaffney, 1640 Sixth Ave., Oakland.
Architect—Not Given.
Contractor—Dixon & Roth, 1844 Fifth Ave., Oakland. $1000

EXCAVATION
(375) W MAPLE AVE N Carlson St. **OAKLAND.** Excavation.
Owner — Meyer Rosenberg, Inc., 255 Bay Shore Blvd., San Francisco.
Architetct—Not Given. $1500

WAREHOUSE
(376) NO. 833 FORTY - SEVENTH Ave., **OAKLAND.** One-story warehouse, garage and one-story pump house.
Owner—Rio Grande Oil Co., 417 S. Hill St., Los Angelea.
Architect—Not Given.
Contractor — Harman Pacific Co., 7 Front St., San Francisco. $3600

TANKS, ETC.
(377) NO. 833 FORTY - SEVENTH Ave., **OAKLAND.** Steel storage tanks and loading rack.
Owner—Rio Grande Oil Co., 417 S. Hill St., Los Angeles.
Architect—Not Given.
Contractor — Harman Pacific Co., 7 Front St., San Francisco. $3675

ALTERATIONS
(375) NO. 612 SPRUCE ST., **BERKELEY.** Alterations.
Owner — R. L. Adams, 2741 Garber St., Berkeley.
Architect—Not Given.
Contractor—E. M. Bent, 2175 Stuart St., Berkeley. $1000

DWELLING
(376) NO. 6160 MAURITANIA AVE., **OAKLAND.** One-story five-room dwelling.

Owner—Ole Moen, 4201 E-16th St., Oakland.
Architect—Not Given. $3000

ADDITION
(376) 1636 Le ROY, **BERKELEY**; additions.
Owner—A. M. Kidd, 1636 Le Roy, Berkeley.
Architect—Not Given.
Contractor—Michael and Bonerer, 762 De Haro St., San Francisco. $1000

ADDITION
(377) 538-48 CYPRESS St, **OAKLAND**; one-story concrete addition.
Owner—Golden West Brewing Co., 533 Kirkham St., Oakland.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, 614 Call Bldg., San Francisco. $30,000

ALTERATIONS
(378) NO. 3425 GRAND AVENUE, **OAKLAND**. Alterations.
Owner—Fidelity Guarantee Bldg. & Loan Co., 2323 Shattuck Ave., Berkeley.
Architect—W. H. Ratcliff, American Trust Bldg., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland. $1000

ALTERATIONS
(379) NO. 5811-12 LAWTON AVE., **OAKLAND**. Alterations.
Owner—H. C. Pirang, 5659 Ocean View Drive, Oakland.
Architect—Not Given. $1000

DWELLING
(380) NO. 70 THE UPLANDS, **BERKELEY**. Two-story 6-room frame dwelling and garage.
Owner—F. Sanford Smith, 638 16th St., Oakland.
Architect—John Dinwiddie, 2816 Oak knoll Ave., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley. $5000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
90	P T & T Co	Symon	2000
91	O'Leary	Peterson	3319
92	O'Neill	Du Puy	7155

DEMOLISHING BLDG., ETC.
(90) 539-555 PINE ST.; demolishing building, removal of materials and debris and erection of fence.
Owner—The Pacific Telephone & Telegraph Company.
Architect—Not Given.
Contractor—Symon Bros., 1435 Market.
Filed Sept. 24, '34. Dated Sept. 11, '34.
Completion 75%
40 days after 25%
TOTAL COST, $2000
Bond, $2,000. Sureties, Pacific Indemnity Co. Plans and Spec. filed.

PENTHOUSE
(91) NO. 327 PRESIDIO AVE. All work for frame penthouse on present frame building.
Owner—Mrs. W. J. O'Leary, 329 Presidio Ave., San Francisco.
Architect—Albert Farr and J. Francis Ward, 68 Post St., San Francisco.
Contractor—Einar C. Petersen, 1290 Hayes St., San Francisco.
Filed Sept. 26, '34. Dated Sept. 26, '34.
27th days of each month..... 75%
Usual 35 days 25%
TOTAL COST, $2319.50
Bond, $1700. Sureties, Ray A. Helgeson and J. J. McLeod. Limit, 50 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(92) NO. 1909 VALLEJO ST. All work for alterations and modernization of two-story and basement frame dwelling and detached brick garage.
Owner—Eugene M. and Martha H. O'Neill, Premises.
Architect—Kent & Hass, 525 Market St., San Francisco.
Contractor—Fred K. Du Puy, 110 Sutter St., San Francisco.
Filed Sept. 26, '34. Dated Aug. 16, '34.
Frame up ..... ——
Ready for final coat plaster..... ——
When completed ..... ——
Usual 35 days..... ——
TOTAL COST, $7155
Bond, $3577.50. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

51 Holman Dooley 4100

DWELLING
(51) BEGIER ST., San Leandro. All work for five-room stucco dwlg.
Owner—Chas. A. and Louise M. Holman, 140 Dutton St., San Leandro.
Architect—Not Given.
Contractor—Fred T. Dooley, 3936 Vale Ave., Oakland.
Filed Sept. 24, '34. Dated Sept. 17, '34.
Paper roof on..... 25%
Building plastered 25%
When completeed 25%
Usual 35 days..... 25%
TOTAL COST, $4100
Bond, none. Limit 90 days. Forfeit, plans and specifications, none.

SAN FRANCISCO UNDER $1000

SIGN, electric, $225; 220 Stockton; owntr, Robertson's Book Store, 220 Stockton St.; contractor, Novelty Elec. Sign Co., 66 Washburn
FENCE, board, $50; N Silver Ave. opp. Oxford St.; owner, Frank De Borba, 595 Silver Ave.
ALTER stores, $100; 3026 San Bruno Ave.; owner, Dickmann, 3026 San Bruno Ave.; contractor, D. Delucchi & Son, 3275 San Bruno Ave.
ALTER dwelling, $100; 257 Flournoy St.; owner, M. A. Shola, Prem.
ALTER flats, $130; 1938 Page Street; owner, M. Hynes, Premises.
SIGN, electric, $35; 5845 Geary Blvd. owner, Waxman's Bakery, Prem.; contractor, Wonderlite Neon Sign Co., 170 Otis St.
SIGN, electric, $200; Arguello Blvd. and California St.; owner, Union Oil Co., Premises; contractor, Wonderlite Neon Sign Co., 170 Otis St.
SIGN, electric, $100; NE Green and Powell Sts.; owner, Eturia Cafe, Premises; contractor, Novelty Elec. Sign Co., 66 Washburn St.
ALTER dwelling, $75; 2046 Beach St. owner, Miss N. Albro, Premises.
ALTER dwelling, $200; 565 Fourth Ave.; owner, A. Enoz, 665 4th Ave. contractor, Thomas Goodhue, 2059 Market St.
ALTER store, $500; 960 Mission St.; owner, J. D. Fabris, 1444 Ulloa.
SIGN, electric, $175; 126 Sutter St.; owner, Bostonian Club, Premises; contractor, Novelty Elec. Sign Co. 66 Washburn St.
ALTER office and store, $300; 1948 McAllister St.; owner, P. Barcos, Premises; contractor, Hamilton Co., Ltd., Hearst Bldg.
ALTER dwelling, $275; 230 Filbert St.; owner, Ida M. Brown, 228 Filbert St.
ALTER private garage, $300; 2355 Washington St.; owner, Mr. Merritt, % Contractor; contractor, L. Salamon, 1734 Broderick St.
ALTER flats, $170; 1541 Larkin St.; owner, J. Atkinson, 578 Linden.
SIGN, electric, $200; 242 Van Ness; owner, Patio Cafe, Premises; contractor, Wonderlite Neon, 170 Otis
SIGN, electric, $200; Pine and Franklin Sts.; owner, Union Oil Co., Prem.; contractor, Wonderlite Neon, 170 Otis St.
ALTER apartments, $75; 332 Presidio Ave.; owner, Thomas F. Loftus, 260 27th Ave.
ALTER dwelling, $150; 184 Noe St.; owner, J. Frohm, Prem.; contractor, S. F. Terrazzo Co., 3730 3rd
ALTER dwelling, $20; 1187 Dolores; owner, James F. Conway, 1187 Dolores St.
ALTER dwelling, $75; 50 Brussels; owner, P. Ward, 50 Brussels.
ALTER flats, $250; 1250-56 Pacific Avenue; owner, Ceccato & Morris, 1250 Pacific; contractor, D. Vannucci, 271 Naples St.
GARAGE, private, $350; 150 Carl St., rear; owner F. S. Pyle 1037 Church Street.
SIGN, electric, $300; 373 Broadway; owner, Louis Rendezvous, 373 Broadway; contractor, Wonderlite Neon. 170 Otis St.
FLUES, 3 patent, $250; W London 150 NE Brazil; owner, A. R. Peterson, 60 Cotter; contractor, New Mission Sheet Metal Works, 3401 Mission Street.
ALTER store, $825; 2355-57 Polk St.; owner, Mrs. N. Quilici, care 1670 Chestnut; contractor, G. Moriconi, 1670 Chestnut St.
ALTER flats, $254; 1316 Dolores St.; owner, M. Cadigan, 1316 Dolores; contractor, John Oliva, 542 Vienna.
ALTER stores and dwelling, $167; 35 Balboa; owner, J. L. Stevens, 35 Balboa St.
ALTER store, $80; 907 Stockton St.; owner, Lam Loy, 907 Jackson St.; contractor, Wong Che Kee, 890 Washington St.
SIGN, electric, $150; Page and Franklin Sts.; owner, Mohawk Gasoline, Page and Franklin; contractor, Electric Prod. Corp., 255 Golden Gate Ave.
ALTER flats, $373; 635 Mount Vernon; owner, C. Greisheimer, 635 Mount Vernon.
ALTER shed and office, $100; SE Van Ness and Market; owner, Jack Casey, SE Market and Van Ness; contractor, Michel & Pfeffer, 10th and Harrison Sts.
ALTER apts., $400; 1283 42nd Ave.; owner, Mrs. Clow, 1283 42nd Ave.; contractor, H. H. Isaac, 517 Belvedere.
CHIMNEYS, 2 patent, $60; W Tocoloma 279 N Blanken; owner, W. Graham, 2965 Mission St.; contractor, W. Burliani, 2555 San Bruno.
ALTER dwelling, $150; 2329 Lincoln Way; owner, J. P. Christensen, 2329 Lincoln Way; contractor R. F. Galli, 1574 28th Ave.
ALTER dwelling $130; 628 Second Ave. owner, S. C. Heenan, 628 2nd Ave.
SIGN, electric, $75; 99 New Montgomerty St.; owner, The Club Tavern, 99 New Montgomery; contractor, Elec. Prod. Corp., 255 Golden Gate.
SIGN, electric, $75; 1219 Fillmore St.; owner, New Fillmore Grill, 1219 Fillmore; contractor, Elec. Prod. Corp., 255 Golden Gate.
SIGN, electric, $75; 79 Haight Street; owner, S. J. Allen, 79 Haight St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 2145 Market St.; owner, Key Garage, 2145 Market; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER store, $900; 230 Leavenworth; owner, E. Lewis, 240 Leavenworth St.; contractor, J. S. Malloch, 666 Mission St.
ALTER dance hall, $800; 576 Green St. owner, A. J. Torre, 576 Green St.
BILLBOARD, $6.25; E 19th Ave. 125 N. Ulloa; owner, Foster & Kleiser Co., 1675 Eddy St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
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3.—Churches
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8.—Club Buildings
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16.—Banks, Stores and Offices
17.—Theatres
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19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

Heating Contract Awarded
REHABILITATE APTS. Cost, $——
OAKLAND, Alameda Co., Cal. 1426-1444 Third Avenue.
Rehabilitation of 4 apartments buildings (work involves painting, electric work, plumbing, roofing, sheet metal, etc.)
Owner—Capital Co., 625 Market St., San Francisco.
Plans by Const. Dept. of Owner.
Heating—W. H. Picard, 5656 College Ave., Oakland.
As previously reported, plumbing contract awarded to L. J. Kruse, 6247 College Ave., Oakland; painting to Balboa Painting Co., 3619 Balboa St., San Francisco; electric to Scott-Buttner Co., 19 Grand Ave., Oakland.

2— BONDS

BOND SALE
GRIDLEY, Butte Co., Cal. — Until October 8, 1:30 P. M., bids will be received by the Butte County Board of Supervisors, Courthouse, Oroville, for sale of $35,000 bonds of the Gridley Elementary School District. Proceeds are to be used in construction of McKinley School buildings.

BIDS WANTED
LOS ANGELES, Cal.—Until Oct. 8, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the sale of $5,000,000 worth of flood control bonds.
Mame B. Beatty, clerk of the board.

3— CHURCHES

CONTRACT AWARDED
LOS ANGELES, Cal. — Escherich Bros., 234 W. 37th Place, awarded contract for chapel building at St. Paul's Cathedral, located on Figueroa Street, between 6th and 7th Sts. The building will be of reinforced concrete construction, one and part two stories, 87x42 feet in area, tile roofing, wood roof trusses, steel sash, cement floors, leaded glass and stained glass windows, lavatories with tile floors and base, unit heating system, ornamental iron grilles, metal fire doors, etc. The building will be divided into the following sections: Chapel, sanctuary, choir, choir room, vestry room, sacristry room, baptistry and brides room, narthex, etc. Furnishings will include carved wood pulpit, hardwood furniture and doors, carved wood pews, etc. Carlton M. Winslow, 1001 Architects' Bldg., Los Angeles, Architect.

4 — FACTORIES & WAREHOUSES

Preliminary Plans Being Prepared.
CANNERY & FACTORY $——
STOCKTON, San Joaquin Co., Cal. Industrial Area (20 Acre Site).
Reinforced concrete can manufacturing unit and two steel frame and galvanized iron cannery units.
Owner—Pacific Can Co., 290 Division St., San Francisco (E. F. Euphrat in charge).
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
Further details will be announced shortly.

To Be Done By Day's Work.
ADDITIONS Cost, $8000
BERKELEY, Alameda Co., Cal. No. 801 Parker St.
Addition to present plant.
Owner—California Corrugated Culvert Co., 5th and Parker Sts., Berkeley
Plans by M. M. Manor, 354 Hobart St., Oakland.
Work will be done by day's labor under the supervision of the owner.

Contract Awarded.
WAREHOUSE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 833 Forty-seventh Avenue.
One-story warehouse and garage and 1-story pump house.
Owner—Rio Grande Oil Co., 417 S. Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor — Harman Pacific Co., 7 Front St., San Francisco.

Tank Contract Awarded
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Three-story reinforced concrete brew house (40x40 ft.) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishklan, 525 Market St., San Francisco.
Tanks—Western Pipe & Steel Co., 444 Market St., San Francisco.
Plans for the structure are being completed and bids will be asked in about one week.

Contracts Awarded.
WAREHOUSE Cont. Price, $28,000
SAN JOSE, Santa Clara Co., Calif. Stockton Avenue.
One-story reinforced concrete warehouse and cutting room (126x165 feet); cement floors, reinforced concrete walls, 15-year guaranteed built-up roof, steel sash, some structural steel, plumbing, etc.
Owner—Muirson Label Co., 435 Stockton Ave., San Jose.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.
Plumbing—A. J. Peters, 455 Washington St., San Jose, at $2347.
Sheet Metal—Wm. Ehlert, 956 Alameda, San Jose, at $825.
Cement Floors—Carl N. Swenson, 355 Stockton Ave., San Jose, at $4458
Electric wiring bid held under advisement.

Contract Awarded.
ADDITION Cost, $30,000
OAKLAND, Alameda Co., Cal. No. 538-48 Cypress Street.
One-story concrete addition to brewery.
Owner—Golden West Brewing Co., 533 Kirkham St., Oakland.
Engineer—W. Adrian, 417 Market St., San Francisco.
Contractor—S. Rasori, 614 Call Bldg., San Francisco.

Contract Awarded.
SHEDS Cost each, $3000
STOCKTON, San Joaquin Co., Calif. Stockton Harbor.
Two one-story gear sheds (30x62 feet each) galvanized siding, automatic sprinkler system, wood frame, concrete floors, etc.
Owner—City of Stockton (Port Commission).
Plans by Engineering Dept. of Owner. City Hall, Stockton.
Contractor—John Hackman, Farmington Road & Walker Lane, Stockton.

Sub-Contracts Awarded
DIST. PLANT Cost, $40,000
RICHMOND, Contra Costa Co., Calif. Outer Harbor.
Distributing plant (comprising steel storage tanks, corrugated iron warehouse, etc.)
Owner—Mohawk Oil Co. 405 Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—E. J. Freethy, 1301 Roosevelt Ave., Richmond.
Plumbing — Ralph Washburn, Richmond.
Electric Wiring—Pioneer Electric Co., Richmond.
Mill Work—Nelson Lumber Co., Richmond.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Sheet Metal — Richmond Sheet Metal Works, Richmond.
Grading and Excavation—E. H. Higgins Co., Richmond.

Plumbing Contract Awarded
WAREHOUSE Cost, $4,000
OAKLAND, Alameda Co., Calif. 833 Forty-seventh Avenue.
One-story warehouse and garage and one-story pump house.
Owner—Rio Grande Oil Co., 417 South Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor—Harman Pacific Co., 7 Front St., San Francisco.
Plumbing—H. A. Hood, 3823 E. 14th St., Oakland.
Other awards will be made shortly.

5— FLATS

To Be Done By Day's Work
ALTERATIONS Cost, $1500
SAN FRANCISCO, 1458-60 Dolores St.
Alterations to frame flats.
Owner—Mrs. Daly, 1462 Dolores St.
Architect—Not Given.

Planned
ALTERATIONS Cost, $——
NAPA, Napa Co., Calif. Division St.
Alterations to frame flats (two 5- and 6-room flats) remodel exterior, new entrances, etc.
Owner—L. J. Norton, 2150 Third St., Napa.
Architect—Not Given.
Agent—Louis A. Ezettle, Napa.

6—GARAGES & SERVICE

Plumbing & Wiring Bids Being Taken
SERVICE STATION Cost, $7,000
SAN FRANCISCO, NW Twenty-third and Valencia Streets.
One-story Class A service station and greasing station.
Owner—Standard Stations, Inc., 200 Bush Street.
Plans by Engineering Dept. of Owner.
Plumbing and wiring bids only are being taken at this time.

Low Bidder. ...
SERVICE STATION Cost, $5,000
SAN FRANCISCO. SW Filbert Street and Van Ness Avenue.
One-story Class C service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Low Bidder—F. C. Stolte, 3449 Laguna Ave., Oakland.

LOW BIDDERS
FORT PECK, Mont.—Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis, at $33,072 submitted low bid to the U. S. Engineer Office, Kansas City for the construction of 42 frame garages for the Fort Peck Project.
A. S. Schulman, Chicago, at $38,001, and R. J. McLeod & Co., Duluth, at $39,487 submitted second and third low bids, respectively.

To Ask Bids In One Week
SERVICE STATION Cost, $10,000
BERKELEY, Alameda Co., Cal. 1201-1203 Grove St. (between Yolo and Hopkins Streets).
Super-service station, Spanish - style architecture, brick, tile roof, steel sash.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Contract Awarded
SERVICE STATION Cost, $5000
SAN FRANCISCO. SW Filbert Street and Van Ness Avenue.
One-story Class C service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.

7—FEDERAL BUILDING

SUPPLEMENTAL BIDS WANTED
CARLSBAD, N. M.—Following have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on Oct. 8 for the construction of the U. S. post office at Carlsbad. On previous bid opening lowest bid was submitted by Wm. MacDonald Co., St. Louis, at $65-820:
Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis.
Robt. E. McKee, 108 W. 6th St., Los Angeles.
Murch Bros. Const. Co., St. Louis.
Smith & Co., 100 N. La Salle Street, Chicago.
Blauner Const. Co., 189 W. Madison St., Chicago.

September 21, 1934
Additional Prospective Bidders
POST OFFICE Cost, $68,200
PITTSBURG, Contra Costa Co., Cal. Fifth and Cumberland Streets.
United States Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open Oct. 4:
Wm. MacDonald Const. Co., 3829 W. Pine Blvd., St. Louis.
George Petersen, P. O. Box 104, San Leandro.
Campbell Const. Co., 900 R St., Sacramento.

Bids Rejected.
POST OFFICE Cost, $45,100
ROSEVILLE, Placer Co., Cal.
One-story and basement Post Office Building (65x70 ft.) concrete wall, stucco exterior, tile coping, composition roof, structural steel, steel sash, steam heat.
Owner—U. S. Government (Treasury Department).
Architect — Supervising Architect, Treasury Dept., Washington, D. C.
All bids rejected due to change in plans and specifications. On previous bid opening lowest bid was submitted by Fred J. Maurer, Eureka, at $40,-000.

ADDITIONAL PROSPECTIVE BIDDERS
REDONDO BEACH, Los Angeles Co. Calif.—Following are additional contractors and others who have procured plans for the purpose of submitting a bid to Treasury Department, Washington, D. C., on Oct. 12 for the construction of the U. S. post office at Redondo Beach:
G. F. Campbell Bldg. Co., P. O. Box 977, San Diego.
Wigg Const. Co., 1200 E. Olive St., Compton.
M. M. Wadell, 209 S. Irene Avenue, Redondo Beach.

SUPPLEMENTAL OPENING OCT. 5
SILVER CITY, N. M.—Until Oct. 5, bids will be received by the Treasury Department, Washington, D. C., for the construction of the U. S. post office at Silver City. On previous bid opening lowest bid was submitted by Robert E. McKee, 108 W. Sixth St., Los Angeles, at $41,300.
Following have procured plans:
W. MacDonald Const. Co., St. Louis.
Murch Bros. Const. Co., St. Louis.
Robert E. McKee, 108 W 6th St., Los Angeles.
Fred. R. Comb Co., 2115 Chicago Ave., Minneapolis.

PROSPECTIVE BIDDER
ORANGE, Orange Co., Cal.—Theodore A. Beyer Corp., Chamber of Commerce Bldg., Los Angeles, has procured plans for the purpose of submitting a bid to the Treasury Department Washington, D. C., on Oct. 12 for the construction of the U. S. post office at Orange.

PROSPECTIVE BIDDER
REDONDO BEACH, Los Angeles Co., Cal.—Theodore A. Beyer Corp., Chamber of Commerce Bldg., Los Angeles, has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C. on Oct. 12 for the construction of the U. S. post office at Redondo Beach.

BIDS WANTED
HILLSBORO, Ore.—Until Oct. 5th, bids will be received by the Public Works Branch, Procurement Division, Treasury Department, Washington, D. C., for models for the U. S. post office at Hillsboro, Oregon.

BIDS WANTED
MONTESANO, Wash.—Until Oct. 5, bids will be received by the Public Works Branch, Procurement Division, Treasury Department, Washington, D. C., for models for the U. S. post office at Montesano, Wash.

BIDS WANTED
PEARL HARBOR, T. H.—Bids are being received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for constructing seaplane hangar at the Naval Fleet Air Base, Pearl Harbor. Spec. No. 7770. Plans and specifications may be obtained from above office upon deposit of $20. Date of opening bids will be announced shortly.

FUNDS ALLOTTED
WASHINGTON, D. C., — Public Works Administration has allotted $2,016,400 to Indian Bureau of the Department of the Interior for hospital building and remodeling at the various Indian Reservations.
Plans are being drawn for the building of thirteen new hospitals, the remodeling and improvement of seven old hospitals and the installation of additional facilities in the way of heating, water supply and elevators in a number of others.
New hospitals will be built at the Warm Springs Agency, Oregon, the Cherokee Agency, N. C.; Eastern Navajo and Zuni Agencies, New Mex.; the Blackfeet and the Crow Agencies, Montana, the Colville Agency, Wash.; the Western Shoshone Agency, Nev.; the Fort Yuma Agency, Calif.; the Yankton Subagency and the Crow Creek Agency, South Dakota; the Consolidated Chippewa Agency, Minn. and at Ah Gwah Ching, Minn.

CONTRACT AWARDED
HAMILTON FIELD, Marin Co., Cal.—West Coast Linoleum & Carpet Co., 2703 Mission St., San Francisco, at $915 awarded contract by Constructing Quartermaster, Hamilton Field for furnishing and installing linoleum in kitchens of 44 non-commissioned officers' quarters at Hamilton Field.

BIDS WANTED
SAN DIEGO, Cal.—Until 11 A. M., October 4, bids will be received by the Eleventh Naval District, Public Works Department, San Diego, for minor repairs and improvements to buildings at the Eleventh Naval District (Hospital), San Diego; Specification No. 7803. The work consists of, in general, (a) the furring and plastering of certain areas of existing damaged plastered walls, including the modification of the magnesite floor base in connection therewith; (b) the removal of plaster from certain areas of existing damaged plastered walls, the waterproofing of the areas, using plaster bond, and the replastering of the walls; (c) the removal of existing floor coverings and wall plaster and the provisions and installation of new tile floors and tile wainscot; (d) such modification of electric outlets and wiring, caused by the furring and plastering and by the tile wainscot installation; and (e) the provision and installation of a short length of new eaves gutter and downspout. Bidding data may be obtained from the district upon deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks.

BIDS OPENED
SAN FRANCISCO — Eureka Iron Works, 374 11th St., at $392 submitted low bid to Construction Department, U. S. Mint, San Francisco, for iron grilles at the U. S. Mint, San Francisco. Only other bid was submitted by Patterson & Koster Iron Works, at $420. Bids held under advisement.

Prospective Bidders
POST OFFICE Cost, $64,900
ORANGE, Orange Co., Calif.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect. Treasury Dept., Washington, D. C.
Following have procured plans. Bids open Oct. 12:
Barr Lumber Co., 230 N. Lemon St., Orange.
Thermon Means, 601 East First St., Santa Ana.
K. E. Parker Co., 135 South Park, San Francisco.
G. F. Campbell Bldg. Co., P. O. Box 977, San Diego.
L. R. Wilson, P. O. Box 1193, Santa Ana.
H. M. Baruch Corp., 625 S. Olive St., Los Angeles.
N. A. Anderson, 4397 Van Buren Pl., Los Angeles.
Lundberg - Richter Co., Oceanport, New Jersey.
Schuler & McDonald, 1723 Webster St., Oakland.
W. H. Bowman, Box 282, Tustin.

Murch Bros. Const. Co., 4111 Lindell Blvd., St. Louis.
Wm. MacDonald Const. Co., 3829 W. Pine Blvd. St. Louis.
Theo. A. Beyer Corp., 433 Chamber of Commerce Bldg., Los Angeles.

Low Bidder.
POST OFFICE Cost, $56,300
MONTESANO, Washington.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Standard Const. Co., Tacoma.
Item 1—$41,724.
Item 2—$41,524.
Complete bids will be given shortly.

PROSPECTIVE BIDDERS
HONOLULU, T. H.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Oct. 12, for furnishing and installing a sprinkler system in the U. S. Immigration Station at Honolulu:
Waldrop Heating & Plumbing Co., Rock Hill, South Carolina.
Daugherty & Backran, 602 N. American Bldg., Philadelphia.

BIDS OPENED
FRANCE FIELD, Canal Zone—Tucker McClure, P. O. Box $535, Cristobal, Canal Zone and Santa Monica, Calif., submitted only bid to Constructing Quartermaster, Fort Mason, for (1) construction of double hangar and reconstruction of single hangar No. 44; (2) construct new double hanger only; and (3) reconstruction of single hangar No. 44, only. Bid read as follows:
(1) $169,790; (2) $144,790; (3) $110,790.

BIDS WANTED
FORT LEWIS, Wash.—Until Oct. 1, 10 A. M., bids will be received by Constructing Quartermaster, Fort Lewis, for six rolling doors for hangar at Fort Lewis, Wash. Work includes installing complete six sliding doors with tracks, guides, A frames, etc., on existing hangar at Air Field, Fort Lewis. Specifications may be obtained from above office.

Completing Revised Sketches
POST OFFICE Cost, $55,000
LODI, San Joaquin Co., Calif.
One-story and basement Class A brick and steel post office building (60x 100 ft.) flat roof, brick and terra cotta front, steam heating system.
Owner—United States Government.
Architect—S. Heiman, 605 Market St., San Francisco.
Revised sketches will be forwarded to Washington for approval within a few days.

BIDS WANTED
CALEXICO, Imperial Co., Cal. — Until 10 A. M., October 12, bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster in the United States Inspection station at Calexico. Specifications may be obtained from the custodian of the building or from the Treasury Department in Washington.

8— CLUB BUILDINGS

Contract Awarded.
REPAIR BLDG. Cost, $8000
SACRAMENTO, Sacramento Co., Cal. No. 907 K Street.
Repairs to lodge building.
Owner—Odd Fellows, Premises.
Architect—Not given.
Contractor—Wm. La Due, 2319 O St., Sacramento.

9— HOSPITALS

Bids Wanted—To Close Oct. 4, 12 Noon
HOME Cost, $100,000
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Following will submit bids:

General Work

E. T. Leiter & Son, 811 37th Street, Oakland.
George J. Maurer, 50 York Drive, Piedmont.
A. Cederborg, 1455 Excelsior Blvd., Oakland.
K. E. Parker Co., 135 South Park, San Francisco.
Lindgren & Swinerton, 225 Bush St., San Francisco.
Joel Johnson, 1614 Church St., San Francisco.
C. Dudley DeVelbiss, 354 Hobart St., San Francisco.
W. G. Thornally, 2059 Webster St., Oakland.
Kelly & Tulloch, 335 8th St., Oakland.
Ira Coburn, 2048 Market St., San Francisco.
Young & Horstmeyer, 461 Market St. San Francisco.
Robt. McCarthy, 356 Church Street, San Francisco.

Heating

Scott Co., 113 10th St., Oakland.
Standard Mechanical Co., 175 12th St., Oakland.
Pacific Heating & Ventilating Co., 2057 Webster St., Oakland.
Bids are being taken on a general contract with separate bids for heating.

Bids Wanted—To Close Oct. 24, 2:30 P. M.
HOSPITAL Cost, $615,000
SAN FRANCISCO, Potrero Ave. and Twenty-second Street.
Six-story cancer building and 5-story psychopathic hospital (Class A construction).
Owner—City and County of San Francisco.
Architect—Martin J. Rist, Phelan Building.
Structural Engineer—H. J. Brunnier, Sharon Building.
Mechanical Engineer—Lelano & Haley, 58 Sutter Street.

BIDS REJECTED
MURPHY, Calaveras Co., Cal.—L. Ubeis, Ripon, at $9195 submitted low bid to Purchasing Agent, San Joaquin County, for construction of a group of porches, taking up old and laying new floors, replacing sills, posts and posts, installing ninety new concrete piers ad posts under building at Bret Harte Sanatorium near Murphy. Plans and specifications prepared by Business Supt. of the Sanatorium. Complete bids follow:
(1) deduct for omission of concrete piers, posts and ventilating shown on foundation plans.
L. Ubeis, Ripon $9195
(1) 450
George Roek, Stockton..... 9630
(1) 731
Bids were rejected as being too high and work will be done by day's labor.

11—ICE AND COLD STORAGE PLANTS

BIDS OPENED
SAN DIEGO, Cal.—Parker Mfg. Co. 2625 Santa Fe Ave., Vernon, submitted low bid to Eleventh Naval District San Diego, at $3739, for replacement of refrigerating machinery at the Naval Operating Base (Training Station), San Diego; Specification 7792. The work will include removing two existing compressors with their electric motors, condensors, piping and miscellaneous appurtenances, and furnishing and installing two new ammonia compressor units, two brine circulating pumps, two cooling water circulating pumps, one water cooling tower, together with an expansion valve or valves and all appurtenant piping, electrical work, automatic controls, etc., and including also recharging the existing brine tank and brine circulating systems with new calcium chloride brine. Bids follow: Parker Mfg. Co., (1) work complete, $3739, (2) if thermostat is omuitted, deduce $500; Commercial Refrigerator Manufactureres, (1) $3822, (2) $550; West Coast Gas Engine Co., (1) $3824, (2) $525; Kohlenberger Engineering Corp., (1) $4048, (2) $652.90; L. P. Hodges, (1) $4248, (2) $562; Baker Ice Machine Co., (1) $4511, (2) $580; Hugh Robinson & Sons, (1) $4924, (2) $534.

12— POWER PLANTS

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following are additional contractors and others who have procured plans for the construction of an electrical distribution system with two substation buildings, etc., at Pearl Harbor, under Spec. No. 7604, for which bids will be opened by the Bureau of Yards & Docks, Navy Dept., Washington, D. C., Oct. 3, 11 A. M., as previously reported:
George Hess, 434 S. Westmoreland Ave., Los Angeles.
J. S. Thorn Co., Allegheny Ave. and 20th St., Philadelphia.
West Coast Electric Works, Ltd., 160 10th St., San Francisco.
Previous lists of prospective bidders published Aug. 28.

PLANNED
TRACY, San Joaquin Co., Cal.—City Council has voted to obtain estimates on cost of substituting diesel power for electric motors to operate pumps of the municipal water plant and to generate electricity for street lights.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Planned
COURT HOUSE Cost, $33,000
SAN LUIS OBISPO, San Luis Obispo Co., Calif.
Court House.
Owner—County of San Luis Obispo.
Architect—A. R. Walker and P. A. Eisen, Pacific Commerce Building, Los Angeles.
Supervisors have approved plans for building to house clerk, auditor, assessor and tax collector estimated to cost $33,000 and to be used until the new large courthouse is constructed, which is estimated to cost $250,000.

Bids Wanted—To Close Oct. 8, 5 P. M.
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architectt—Binder & Curtis, 35 W San Carlos St., San Jose.
Mechanical Engineer—Leland and Haley, 57 Sutter St., San Francisco.
Bids are being taken for (Unit A) general contract; (Unit B) plumbing

and sprinkler system; (Unit C) electrical work and (Unit D) mechanical work.

Plans and specifications may be obtained from the architects upon deposit of $45.00 for Unit A ($20.00 returnable) and $20.00 for Units B, C and D ($12.00 returnable).

Bids Wanted — To Close October 8, 11 A. M.

COURT HOUSE Cost, $40,000
WEAVERVILLE. Trinity Co., Cal.
Three-story reinforced concrete court house building (54x62 feet); 20 ft. annex to present building; (steam heating system, oil burner, plumbing, electrical work, linoleum and shades, cells, guards, gates and grilles).
Owner—County of Trinity.
Architect—Jens C. Petersen, 812 26th St., Sacramento.

Plans and specifications may be procured from Architect Jens C. Petersen, 812 26th St., Sacramento, upon deposit of $25.

Prospective Bidders

AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.

Following have procured plans. Bids open Oct. 8, 5 P. M.:

General Work

Chas. Thomas, 127 Clayton Ave., San Jose.
Dinwiddie Const. Co., Crocker Bldg., San Francisco.
Fredrickson & Watson Const. Co., 873 81st Ave., Oakland.
K. E. Parker Co., 135 South Park, San Francisco.
Lindgren & Swinerton, 225 Bush St. San Francisco.
Carl N. Swenson, 355 Stockton Ave., San Jose.

Plumbing

A. J. Peters, 455 Stockton, San Jose.
Hately & Hately, 1710 10th St., Sacramento.
Wm. Ehlert, 956 Alameda, San Jose.

Electric

Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.
Roy M. Butcher, 1020 Sherwood Ave. San Jose.
Gullbert Bros., 286 W Santa Clara, San Jose.

Heating and Plumbing

Scott Co., 243 Minna St., San Francisco.
James Nelson, 1375 Howard St., San Francisco.
Carl T. Doell, 467 21st St., Oakland.
James Pinkerton, 927 Howard St., San Francisco.
Carpenter & Mendenhall, 907 Front St., Sacramento.
Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.

Bids are being taken for (Unit A) general contract; (Unit B) plumbing and sprinkler system; (Unit C) electrical work and (Unit D) mechanical work.

Plans and specifications may be obtained from the architects upon deposit of $45.00 for Unit A ($20.00 returnable) and $20.00 for Units B, C, and D ($12.00 returnable).

PLANNED

SAN QUENTIN, Marin Co., Calif.—State Board of Prison Directors has announced plans for the construction of a new dormitory at San Quentin Prison, estimated to cost $150,000. The proposed building will house 1,000 men and if constructed, will be built by prison labor.

14— RESIDENCES

Contract Awarded.

ALTERATIONS Cost, $2000
PALO ALTO, Santa Clara Co., Cal. No. 501 Kingsley Ave.
Alterations to residence.
Owner—F. A. Koester.
Architect—Not Given.
Contractor—Wells P. Goodenough, 596 Lowell St., Palo Alto.

To Be Done By Day's Work

RESIDENCE Cost, $3500
SAN FRANCISCO. N Silliman 40 E Brussels St.
One - story and basement frame and stucco residence.
Owner and Builder—Joe Blum, 212 Silliman Street.
Architect—Not Given.

Plans Being Figured—Bids Close Oct. 2nd.

RESIDENCE Cost, $3000
SAN FRANCISCO. Baker and Francisco Streets.
One-story and basement frame and stucco residence (6 rooms) terra cotta tile roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—Albert Schroepfer, 681 Market St., San Francisco.

Plans Being Prepared.

ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal.
Alterations and additions to residence for exhibition purposes.
Owner—Bank of America.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contract Awarded.

ALTERATIONS Cost, $——
SAN FRANCISCO. No. 2537 Vallejo Street.
Alterations to residence (new front, add garage, etc.)
Owner — Allan Chickering Jr., 2730 Union St., San Francisco.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco.

September 25, 1934

Sub-Bids Being Taken.

RESIDENCES $5000 and $6000 each
SAN FRANCISCO. E Twentieth Ave. S Sloat Blvd.
One-story and basement frame and stucco residences (5, 6 and 7 rms. each) tile and composition roofs, gas heating systems, hardwood floors, tiled baths, etc.
Owner and Builder—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—F. F. Amandes, 1879 18th Ave., San Francisco.

Low Bidder.

RESIDENCE Cost, $——
ROSS, Marin Co., Cal.
Two-story frame and stucco residence (six rooms).
Owner—Not Given.
Architect — Henry H. Gutterson, 526 Powell St., San Francisco.
Low Bidder—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Plans Being Completed.

RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. Cragmont Avenue.
One-story and basement frame and stucco residence (6 rooms); shake roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—Fred Confer, 2812 Russell St., Berkeley.

Bids will be asked in in about ten days.

To Be Done By Day's Work

RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Calif. 6160 Mauritania Avenue.
One - story and basement frame and stucco residence (5 rooms).
Owner and Builder—Ole Moen, 4201 E. 16th St., Oakland.
Architect—Not Given.

Contract Awarded

ALTERATIONS Cost, $3000
PIEDMONT, Alameda Co., Calif.
Alterations to residence.
Owner—Clarence Johnston.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—F. A. Kurtz, 364 41st St., Oakland.
Lumber—Piedmont Lbr. Co., 351 40th St., Piedmont.
Concrete — J. H. Fitzmaurice, 2857 Hannah St., Oakland.
Mill Work—Oakland Planing Mill, 2nd and Washington Sts., Oakland.

Contract Awarded

RESIDENCE Cost, $4000
LOS ALTOS, Santa Clara Co., Calif. El Monte Avenue.
One-story frame and stucco residence (5 rooms).
Owner—Chas. and Pauline Heisner.
Architect—F. W. Dakin, 625 Market St., San Francisco.
Contractor—J. Messinger, premiaes.

Sub-Contracts Awarded

RESIDENCE Cost, $12,000
BERKELEY, Alameda Co., Calif. 1007 Cragmont Avenue.
Two - story and basement frame and stucco residence (10 rooms).
Architect—B. R. Hardman, 206 Whitecotton Bldg., Berkeley.
Owner—B. N. Coates.
Contractor—Harry E. Kane, 921 Ramona Ave., Berkeley.
Concrete—Schnoor Bros., 6016 Claremont Ave., Oakland.
Electric Wiring—Kerr & Clifford, 3525 E 14th St., Oakland.
Doors—Western Sash & Door Co., 5th and Cypress, Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Lumber—Melrose Lumber Co., 1201 46th Ave., Oakland.
Rough Hardware—Corso Hdwe. Co., 2400 San Pablo Ave., Berkeley.
Grading and Excavation—Arlsa Knapp Co., 961 41st St., Oakland.
Steel Sash—Gleason Steel Prod. Co.

Bids will be taken on heating, roofing, tile work, hardwood floors and brick work.

Contract Awarded.

RESIDENCE Cost, $5000
SAN MATEO, San Mateo Co., Cal. Palm Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Lorenzo Figoni, 1712 Ivy St., San Mateo.
Architect—Not Given.
Contractor—H. Hultberg, 29 San Mateo Ave., San Mateo.

To Be Done By Day's Work.

RESIDENCE Cost, $5000
BURLINGAME, San Mateo Co., Cal. Chapin Lane.
One-story and basement frame and stucco residence.
Owner and Builder—A. F. Mattock, 218 Clara St., San Francisco.

Contract Awarded

PENT HOUSE Cost, $10,000
SAN FRANCISCO. 327 Presidio Ave.
Wood frame pent house (5 rooms) tar

and gravel roof, hardwood floors.
Owner—Not Given.
Architect—Farr & Ward, 68 Post St.
Contractor—Einar C. Petersen, 1290 Hayes Street.

Contract Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. No. 2039 Hopkins Street.
Alterations to residence (enlarge rooms, new plumbing, painting, plastering, etc.)
Owner—Chas. W. Cumbers.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Contractor—Carl Glorup, Premises.

Low Bidder.
RESIDENCE Cost, $7500
BERKELEY, Alameda Co., Cal. Oakmore Highlands.
Two-story frame, stucco and brick residence (7 rooms and 2 baths); shake roof, gas heating system, hardwood floors, etc.
Owner—C. C. Lotz.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Low Bidder—J. M. Walker, 1709 Grove St., Berkeley.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. E Ellington St. 130 N Foote St.
One-story and basement frame and stucco residence.
Owner—Dolores Realty Co., 16th and Valencia St., San Francisco.
Architect—Not Given.
Mgr. of Constr.—A. H. Ohlsen, 242 Vienna St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $——
WOODSIDE, San Mateo Co., Cal.
Two-story and basement brick veneer, wood frame and wood siding residence (13 rooms and 5 baths) redwood shake roof, oil heating system, hardwood floors, tile baths, etc.)
Owner — Roy Bishop, Portola Road, Woodside.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor—W. H. Weeden, 1458 State Highway, Menlo Park.

Contract Awarded.
RESIDENCE Cost, $12,000
SALINAS, Monterey Co., Cal. Maple Park.
Two-story frame and stucco residence
Owner—Peter A. Stollch, Salinas.
Architect—W. A. Doctor, 362 Hudson St., Oakland.
Contractor — Harry C. Knight, 1435 Harrison St., Oakland.

Contract Awarded
RESIDENCE Cost, $5750
SALINAS, Monterey Co., Cal. DeLorimer Subdivision.
Two-story frame and stucco residence.
Owner—W. H. Hogue, 336 W. Alisal St., Salinas.
Architect—Not Given.
Contractor—E. F. Reese, 35 Santa Lucia Ave., Salinas.

Contract Awarded
ALTERATIONS Cost, $2,000
SAN FRANCISCO. 298 Chenery St.
Alterations to residence.
Owner—E. C. Caunter, Jr., 298 Chenery Street.
Architect—Not Given.
Contractor — C. Lindberg, 615 Naylor Street.

Sub-Contracts Awarded
RESIDENCE Cost, $4000
SAN JOSE, Santa Clara Co., Cal. 32 Marion Tract.
One - story and basement frame and stucco residence.
Owner—G. F. Dodson, 30 S. 12th St., San Jose.
Architect—William E. Higgins, 19 N. Second St., San Jose.
Contractor—C. F. Keesling, 798 Coe St., San Jose.
Cement Work—Pyle Bros., 1404 Jonothan Ave., San Jose.
Heating and Sheet Metal—G. E. Blockie & Son, 432 S 2nd St., San Jose.
Electric Wiring—Roy Butcher, 1020 Sherwood St., San Jose.
Mill Work—Minton Lumber Co., Mt. View.
Roofing — Hayden Roofing Co., 369 Stockton Ave., San Jose.
Plastering—K. Towner, San Jose.
Tile—Thomas H. Price, 90 Vine St., San Jose.
Grading and Excavation—Pyle Bros., 1404 Jonothan Ave., San Jose.

To Be Done By Day's Work
ALTERATIONS Cost, $3450
SAN CARLOS, San Mateo Co., Calif. 700 Chestnut Street.
Alterations and additions to residence.
Owner—Henry Wrigley, 700 Chestnut St., San Carlos.
Plans by Owner. 4

Preparing Working Drawings
RESIDENCE Cost, $8500
BERKELEY, Alameda Co., Cal. Santa Barbara Road.
Two - story and basement frame and brick veneer residence (7 rooms, 2 baths) shake roof, gas hot air heating system, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison St., Berkeley.

Preparing Preliminary Plans
RESIDENCE Cost, $6,000
BERKELEY, Alameda Co., Cal. Cragmont Ave. and Grizzly Peak Blvd.
Two-story frame and stucco residence (6 rooms, 2 baths) shake roof, gas heating system, hardwood floors, tile baths, etc.
Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Construction Under Way.
RESIDENCE Cost, $——
GRASS VALLEY, Nevada Co., Cal. Alta Street.
Two-story frame residence (concrete foundations, rustic exterior shingle roof, etc.)
Owner—Cooley Butler (Golden Center Mine), Grass Valley.
Architect—Not Given.
Contractor—William Needham, Grass Valley, Premises).

Contract Awarded
RESIDENCE Cost, $14,000
BAYWOOD, San Mateo Co., Calif.
Two-story and basement Spanish-style residence (9 rooms, 3 baths; tile roof, gas furnace, steel sash, oak plank floors, ornamental iron, colored tile bath rooms).
Owner—Harold L. Stillwell, San Mateo
Architect — Chester H. Treichel, 696 Cleveland Ave., Oakland.
Contractor—A. E. Orton, 526 Lowell St., Palo Alto.

Contract Awarded
RESIDENCE Cost, $10,500
BELVEDERE, Marin Co., Calif.
Two-story and basement frame, stucco, brick and stone residence (7 rooms and 3 baths) shake roof, wood floors, colored tile baths, etc.
Owner—J. Heidelberg.
Architect—D. E. Jaekle, Call Building, San Francisco.
Contractor — Albin C. Lindgren, 346 Lowell St., San Francisco.

Plans Being Figured—Bids Close Oct. 2nd.
RESIDENCE Cost, $——
HAYWARD, Alameda Co., Cal.
One-story and basement frame and stucco residence (6 rooms and 2 baths) shingle roof, gas heating system, hardwood floors, tile baths, etc.
Owner—John S. Alley.
Architect—G. P. Simonds, 192 Main St., Hayward.

15— SCHOOLS

PLANS COMPLETED
SAN PEDRO, Los Angeles Co., Cal. —Los Angeles Board of Education, owner and builder, 761 Chamber of Commerce Bldg., Los Angeles, applied for building permit September 20 to reconstruct two-story Class D brick school building at 2112 Leland St., San Diego District (Leland Street School site); M. L. Barker and G. Lawrence Ott, architects, 346½ S. La Brea Ave., Los Angeles, and Laurence J. Waller, structural engineer, 4350 Beverly Blvd., Los Angeles; work consists of reconstructing exterior walls with concrete and gunite replastering interior, adding bracing and anchors to roof and floor framing and otherwise strengthening and rehabilitating the building to conform to requirements of the new State earthquake code. Cost, $68,750.

LOW BIDDER
LONG BEACH, Los Angeles Co., Cal.—W. E. Allen, 752 W. Anaheim St., Long Beach, submitted low bid on general contract to Long Beach Board of Education, at $26,243 (excluding plumbing, heating and electric wiring), for the construction of the Starr King School, Hickman Bros., 910 E. Anaheim St., Long Beach, submitted the low bid on the plumbing, heating and ventilating at $1621, and B. Hartman was low bidder on the electric wiring at $2300. Wm. K. Webb, 1229 E. 10th St., Long Beach, architect, and J. H. Davies and C. D. Wailes, Jr., structural engineers, Ocean Center Bldg., Long Beach. Frame and stucco construction, tile and composition roofing, maple floors, etc.

BOND ELECTION
BERKELEY, Cal.—Berkeley School District has set November 6 as the date to vote bonds in the amount of $2,216,500 for elementary school improvements and new construction and $677,000 for High School improvements. The proposed school program includes construction of three new elementary school plants, i. e. the Whittier, Le Conte and Columbus and the rehabilitation of the Garfield and Edison Junior High Schools. Additional facilities at the Berkeley High School include construction of new shops, new auditorium, etc.

Contracts Awarded
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo County, Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Contractor—A. Pianca, 609 Pine Terrace, South San Francisco, $31,750.
Rough Grading—Oliver S. Almlie, 60 Sussex St., San Francisco, $986.
Painting—Lee Dixon, 18 Eureka St., San Francisco, $1,594.
Plastering—A. W. Cordes, 666 Mission St., San Francisco, $3,590.
Sheet Metal—Izmirian Roofing & Sheet Metal Works, 416 2nd Ave., San Mateo, $786.
Brick and Terra Cotta—Chas. Ohran & Sons, 1028 Chula Vista Ave., Burlingame, $945.

Structural Steel—Golden Gate Iron Works, 1541 Howard St. San Francisco, $9,100.
Heating—Scott Co., 243 Minna St., San Francisco, $4,497.
Plumbing—W. L. Hickey, 315 Grand Ave., South San Francisco, $3,923.
Electric—G. H. Armstrong, 1388 Van Ness Ave., South San Francisco, $2,417.
Shades and Linoleum—A. T. Arendt, South San Francisco, $192.62.
All locker bids were rejected and bids on blackboards held under advisement.

COMMISSIONED TO PREPARE PLANS

PASADENA, Calif.—Architect Cyril Bennett, 311 First Trust Bldg., Pasadena, has been commissioned by the Pasadena board of education to prepare plans and specifications for rebuilding the school buildings at the Pasadena junior college site at an estimated cost of $115,000.

PREPARING PLANS

LOS ANGELES, Cal.—Architect E. H. Cline, 543 N. Wilcox Ave., and Structural Engineer Ralph A. Deline, 1144 S. Grand Ave., commissioned by Los Angeles board of education to prepare working drawings and specifications, including preliminary plans, analyses, structural design computations and estimates of cost, for reconening of the administration buildings struction, rehabilitation and strength-at the South Gate high school, 3351 Firestone Blvd., South Gate. Cost, $94,080.

COMMISSIONED TO PREPARE PLANS

LOS ANGELES, Cal.—Architect S. C. Clements, 1135 Van Nuys Building, commissioned by Los Angeles board of education to prepare working drawings and specifications including preliminary plans, for a new building replacement, to contain 45 units and cafeteria at the Thos. Jefferson high school, 1319 E 38th St. Cost, $353,000.

Planned.

GYM. & ADMINISTRATION BLDG. Cost, $360,000
FRESNO, Fresno Co., Cal. Fresno State Teachers College.
Construct new gymnasium and new administration building at State Teachers College.
Owner—State of California.
Architect—Geo. B. McDougall (State Architect), Public Works Bldg., Sacramento.
A meeting will be held shortly to determine the possibility of including in the budget for the next biennium, $160,000 for a new gymnasium and $200,000 for a new administration building.

LOW BIDDERS

SANTA ANA, Orange Co., Cal.—L. R. Wilson, Box 1193, Santa Ana, submitted low general contract bid to Board of Public Building Reconstruction at $62,800 for rebuilding and repairing the Spurgeon School in Santa Ana for Santa Ana Board of Education. Pacific Plumbing Co., 313 N. Ross St., Santa Ana, submitted the low bid on plumbing at $3035, and Robert B. McMinn, 346 12th St., Seal Beach, was low on the heating at $6200. Allen Trusty & Sons, 211 N. Main St., Santa Ana, were low bidders on the electrical work at $1350, and Cave Electric Co., 2107 N. Ross St., Santa Ana, was second at $1894. Frederick H. Eley, 109 Orange Ave., Santa Ana, architect.

LOW BIDDER

LOS ANGELES, Cal.—Harvey A. Nichols, 936 E. Slauson Ave., submitted low bid at $40,552 to Los Angeles Board of Education for reconstruction, strengthening and rehabilitation of the annex building at the 95th Street School. Following subtrade bids were submitted with the bid of H. A. Nichols: Owl Truck Co., demolition, $5890; Cement Gun Construction Co., gunite, $15,213; Pallor Goldstein, sheet metal, $104; Hickman Bros., plumbing, $510; J. Harman, heating and ventilating, $185; Bennett & Taylor, electric wiring, $212. Plans by architectural division of the board, A. S. Nibecker Jr., architect. Cost, $40,331.

CONTRACT AWARDED

SANTA BARBARA CO., Cal.—Granfield-Farrar & Carlin, 67 Hoff St., San Francisco, at $368,268 awarded contract by the State Highway Commission, Sacramento, for about 5.8 miles in length to be graded and oil treated by the roadmix method between Hollister Ave. and Painted Cave Road, and a bridge to be constructed across San Antonio Creek, Santa Barbara Co.

LOW BIDDER

LONG BEACH, Los Angeles Co., Cal.—J. E. Burrell, 346 Euclid Avenue, Long Beach, submitted low bid to the Long Beach board of education at $159,775 for construction of the David Starr Jordan high school. Low bidders on other contracts were: Kuster-Wetzel Electric Co. on the electric wiring at $18,430; J. Herman Co., 1349 Vernon Ave., Los Angeles, on the heating and ventilating at $11,816 and T. E. Willams Co., 256 Alamitos Avenue, Long Beach, on the plumbing at $10,788. Martin C. Parker, 1071 E. Broadway, Long Beach, architect, and L. J. Walker, Kress Bldg., Long Beach, engineer. Group will consist of five buildings; construction will be of frame and stucco, tile and composition roofing, concrete and maple floors, steam heating system, tile toilets.

PLANNED

GYMNASIUM Cost, $40,000
SANGER, Fresno Co., Cal. High School Site.
One-story gymnasium (dressing rooms, showers, etc.)
Owner — Sanger Union High School District.
Architect—W. D. Coates, 626 Rowell Bldg., Fresno.
It is proposed to call an election in the near future at which time bonds will be voted to finance construction.

Bids Wanted—To Close October 8, 8 P. M.

GARAGE Cost, $——
SANGER, Fresno Co., Cal. High School Site.
One-story bus garage (two stalls).
Owner — Sanger Union High School District (H. F. Knapp, Clerk).
Architect—W. D. Coates, 626 Rowll Bldg., Fresno.
Plans and specifications may be obtained from the Clerk of the Board, Sanger, and from the architect.
Certified check or bidder's bond in an amount equal to 10% of amount of the bid must accompany each bid.

Additional Contracts Awarded.

SCHOOL Cost, $15,000
FORESTVILLE, Sonoma Co., Cal.
One-story frame and stucco grammar school (three classrooms and auditorium to seat 200, kitchen, etc.)
Owner — Forestville Grammar School District.
Architect—John I Easterly, 302 Grant St., Healdsburg.
Roofing—C. L. Frost, Palo Alto, at $1069.
Plastering—F. C. Walker, Forestville, at $1398.
Electrical and sheet metal work will be done on time and material basis.

As previously reported, carpentry awarded to Forestville Constr. Assn., Forestville, at $1900; plumbing to E. D. Ward, Forestville, at $1313.13.

Contract Awarded

SCHOOL Cont. Price, $2,889
MODESTO, Stanislaus Co., Cal. Wilson School.
One-story frame school (1 classroom).
Owner—Modesto Elementary School District.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Contractor — Wendell Thompson, 436 James St., Modesto.
Complete bids follow:

Wendell Thompson, Modesto	$2,889
L. Ubels, Ripon	3,175
Robert Carlsen, Modesto	3,495

CONTRACT AWARDED

SAN FRANCISCO.—Empire Roofing Co., 261 Silver Ave., at $89.00 awarded contract by Department of Public Works for covering roof of bunkalow at the Washington Irving School, located on Broadway between Montgomery and Sansome Sts., with new 4-ply tar and red brick gravel. The area is approximately 12 squares.

NO BIDS RECEIVED

PALO ALTO, Santa Clara Co., Cal.—No bids were received by Palo Alto School District Sept. 20 for reconstruction work for the Walter Hays School in Palo Alto. New bids will be asked shortly.

Grading Contract Awarded

SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo Co., Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Rough Grading—Oliver S. Almlie, 60 Sussex St., San Francisco, $986.
Awards on other portions of the work will be made upon approval of bids by code authorities

BONDS VOTED

WASCO, Kern Co., Cal.—Wasco Union High School District affirmed a $42,000 bond issue Sept. 18 to secure a government loan, recently approved by the Public Works Administration, for financing the construction of a new science building at Wasco high school. The combined loan and grant totals $56,000. The building will be a one-story structure, containing classrooms, laboratories and a small assembly hall, reinforced concrete construction, tile roof, hardwood and linoleum covered floors, heating plant, etc. Edwin J. Symmes, 215 Harberfelde Building, Bakersfield, architect.

Engineers Selected

SCHOOL Cost, $——
SAN FRANCISCO. Patrick Henry School (site to be announced).
School unit.
Owner—City of San Francisco (School Department).
Architect—W. D. Peugh, 333 Montgomery St. and Gardner A. Dailey, 210 Post Street
Structural Engineer—Walter Huber, 1 Montgomery Street.
Mechanical Engineer—Leland & Haley 58 Sutter Street.

Plans Being Prepared

SCHOOL Cost, $——
SAN FRANCISCO. Kirkham St. bet. 42nd and 43rd Aves.
Complete school unit of 12 rooms, library and auditorium. To be designed with consideration of possible future expansion (Franlis Scott Key School).
Owner—City of San Francisco School Department.

Architects—Wm. Mooser, Monadnock, Bldg.; Edward A. Eames, 333 Sacramento St., and Douglas D. Stone 110 Sutter Street.

Preparing Working Drawings
HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Calif.
One-story steel frame and wood high school.
Owner — Trinity Union High School District.
Architect—Herbert and Caulkins, Rosenberg Bldg., Santa Rosa.
Construction will be started in about three weeks by SERA.

NO BIDS RECEIVED
SEBASTOPOL, Sonoma Co., Cal.—No bids were received by Analy Union High School District for grading site of the proposed new high school in Sebastopol. New call will be included in the advertisement for bids for the construction of the new high school building upon approval of bond sale proceedings by the Adjutant General.

LOAN APPROVED
ST. JOHNS, Ariz.—Public Works Administration this week approved a loan and grant of $33,400 for the grammar school building to be erected in St. Johns for School District No. 16 of Apache County. The district voted a $24,000 bond issue last March to secure the loan. The building will be a one-story structure, 55x175 feet in area and will contain eight classrooms; stone walls, asbestos shingle roof, maple floors, steam heat, etc. Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, architects.

Preparing Working Drawings.
SCHOOL Cost, $——
SAN FRANCISCO. Patrick Henry School, 18th and Vermont Sts.
School unit.
Owner—City of San Francisco (School Department).
Architect—W. D. Peugh, 333 Montgomery St. and Gardner A. Dailey, 210 Post Street.
Structural Engineer—Walter Huber, 1 Montgomery Street.
Mechanical Engineer—Leland & Haley 58 Sutter St.

BONDS VOTED
ARCADIA, Los Angeles Co., Cal.—Arcadia City School District affirmed a $45,000 bond issue Sept. 21, proceeds to be used for financing the reconstruction of the First Avenue school. A coat of gunite will be applied to the exterior of the hollow tile walls. Architect Paul Kingsbury, 1911 N. Serrano Ave., Los Angeles, and Structural Engineer S. B. Barnes, 803 W. Third St., Los Angeles, have been commissioned to prepare the plans, subject to approval of their scheme by the state architect.

Sub-Contracts Awarded
LIBRARY Cont. Price, $31,900
MODESTO, Stanislaus Co., Cal. Modesto Junior College.
Construction of part of library building.
Owner—Modesto Junior College Dist.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Contractor—H. Tennyson, 125 Poplar St., Modesto.
Heating—D. R. Hoffman, Modesto.
Electric Wiring—Wille Elec. Co., Modesto.
Mill Work—United Lumber Yards, Modesto.
Structural Steel—Turner Hdwe. Co., Modesto.
Reinf. Steel — P. A. Klinger, West's Lane, Stockton.
Ornamental Iron and Hardware—Turner Hardware Co., Modesto.
Roofing—Hansen's, Modesto.
Lumber—Stanislaus Lumber Co. and Ross Lumber Co., Modesto.
Brick Work—J. C. King, Modesto.

To Ask Bids Within One Week
SCHOOL Cost, $16,300
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 192 Main St., Hayward.

Bids Wanted — To Close October 9, 2 P. M.
SCHOOL Cost, $2500
MODESTO, Stanislaus Co., Cal.
One-story frame and stucco school (Ensien School Building).
Owner — Modesto Elementary School District (E. D. Abbott, Secretary) Modesto.
Architect—J. J. Donovan, 915 Barker St., Berkeley.
Plans and specifications may be obtained from the Clerk of the Board or from the architect.

Contract Awarded
SCHOOL Cont. Price, $5872
BERKELEY, Alameda Co., Cal. Allston Way and Eighth St. (Columbus School).
Alterations to comply with State earthquake safety act.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace, Claus Spreckels Bldg., San Francisco.
Contractor—John J. Moore, 354 Hobart St., Oakland.

Bids Wanted—To Close October 13, 9 A. M.
SCIENCE BLDG. Cost, $270,000
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete and brick science building (100x200 ft.) 10-year built-up roof, linoleum & cement floors, one passenger elevator, terrazzo floors (will contain museum, classrooms, laboratories, heating from central plant, etc.)
Owner—State of Washington.
Architect—Stanley A. Smith, Pullman, Washington.
Certified check in the amount of 5% of amount bid required. Plans and specifications may be obtained from the architect upon deposit of $25. No plans and specifications will be sent out after October 6, 1934.

Bids Opened
REPAIR SCHOOL Cost, $48,000
SAN FRANCISCO. Excelsior Avenue between London and Paris Sts.
Repairs and reconstruction and additions to the Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Low Bidder—Jas. L. McLaughlin, 251 Kearny Street.
Complete bids follow:

Jas. L. McLaughlin	$57,980
William Spivock	63,655
O. Monson	65,474
H. L. Petersen	69,333
C. L. Wold	69,977
F. C. Amoroso & Sons	70,700
DeLuca & Son, Inc.	72,694

Bids held under advisement.
Work includes:
(a) Removal of portions of all exterior brick walls from concrete levels up to and including parapet walls; add concrete and anchors, exterior brick veneer, etc.
(b) Concrete walls and footings around two stairways from basement to roof; substitution of concrete floor slabs for existing wood joists and wood floors in connection with new stair halls; addition of concrete slabs over entire stair halls at third floor ceiling level.
(c) Addition of concrete bracing walls between Columns 3-15 and 7-12 from footings to roof and addition of walls in basement Columns 15-20 and 12-23.
(d) Addition of struc. steel framing, including horizontal trusses and other floor bracing beams in construction of first, second and third floors and roof and strengthening of details and connections.
(e) Additions of Travertite Monolithic stone work to be cast in place on exterior of building.
(f) New mterials for fire escapes in rear of building, cleaning and painting.

Bonds Voted—Plans To Be Prepared
SCHOOL Cost, $75,000
HEALDSBURG, Sonoma Co., Calif.
One-story frame and stucco grammar school building (3 units).
Owner — Healdsburg Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bonds in the amount of $65,000 were voted Sept. 25 by a vote of 7 to 1. Further details will be announced shortly.

Final Plans Approved
SHOP Cost, $7000
SALINAS, Monterey Co., Calif.
One - story wood frame general shop (steel trusses, wood sash, etc.)
Owner — Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Bids will be asked within a few days.

Plans Approved
SCHOOL Cost, $——
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.
Bids will be asked in about 2 weeks.

September 27, 1934

Bids Wanted—To Close October 13, 9 A. M.
CHEMISTRY BLDG. Cost, $——
PULLMAN, Washington. University of Washington.
Hardware, electric elevator. Furnish and install electric elevator for four-story reinforced concrete chemistry building(45 classrooms, etc.)
Owner—State of Washington.
Architect—S. A. Smith, State College, Pullman, Washington.
Plans and specifications may be obtained from the architect upon deposit of $5 for hardware plans and $5 for electric elevator plans.
No plans and specifications will be sent out after October 6, 1934.

BIDS WANTED
SAN FRANCISCO—Until October 3, 1:45 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for sanding floors in Domestic Science Rooms at the Daniel Webster School, preparatory to laying linoleum. Work involves approximately 1800 sq. ft. Further particulars available from John T. Burns, Supt. of Public Buildings, 484 11th St. Estimated cost under $1000.

Bids Opened.

SCHOOL Cost, $10,000

BERKELEY, Alameda Co., Cal. Le-Ray and Buena Vista Avenues.

Rehabilitation of south wing of Hillside School.

Owner—Berkeley School District.

Structural Engineer—Thos. F. Chace, Claus Spreckels Bldg., San Francisco.

Low Bidder—E. T. Leiter & Son, 811 37th St., Oakland.

Complete bids follow. Prices include alternates one and two.

E. T. Leiter & Son, Oakland....$ 9,604
John E. Branagh, Oakland..... 10,130
H. J. Christensen, Oakland..... 10,200
Mark Bristol, Oakland..... 10,595

Bids held under advisement.

BIDS WANTED

SAN FRANCISCO—Until October 3, 1:45 P. M., informal bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for laying hardwood floors in two offices in the Bayview School. Work includes laying approximaetly 70 sq. ft. of 5/16 x 8 S. C. plain oak; border of same; two nails to each board and 7 in. apart. Finish with one coat paste filler, color as selected; two coats of shellac and one coat of wax.

BIDS WANTED

SAN FRANCISCO — Until October 10, 2:30 P. M., bids will be received by S. J. Hester, Chief Deputy Director, Department of Public Works, City Hall, for fire escapes at the Starr King School, located on the southeast corner of 25th and Utah Streets. Estimated cost $8000. Plans and specifications may be obtained from C. H. Sawyer, City Architect, City Hall, upon deposit of $10.

CONTRACT AWARDED

SAN FRANCISCO—Wickwire Spencer Co., 144 Townsend St., at $304.10 awarded contract by Department of Public Works for erecting approximately 225 feet of 1¾-in. 11 gauge chain link fence on metal posts at the Sarah B. Cooper School, located on Jones and Lombard Sts.

September 27, 1934

Bids Opened

SCHOOL Cost, $760,000

SAN FRANCISCO. Thirtieth to 32nd Avenues and Geary to Balboa Sts. (George Washington High School)

Three - story reinforced concrete academic unit (architectural tile in inserts on exterior, stone main entrance with metal canopy, interior to be treated throughout with acoustical material on the ceilings, terra cotta wall units as wainscoting; linoleum coverings in halls; natural slate blackboards; passenger elevator; electric dumbwaiter; California marble interior in lavatories and shower rooms; composition tile floor in cafeteria; tile and terrazzo in lavatories and utilities rooms; wood and metal sash; burglar-proof windows and tool-proof steel doors for armory; 2000 metal lockers; fencing; metal and bronze entrance doors; completely equipped kitchen.

Owner—City of San Francisco (School Department).

Architect—Miller & Pflueger, 580 Market Street.

Structural Engineer—W. L. Huber, 1 Montgomery Street.

Low Bidder — Meyer Const. Co., 735 Portola Drive, $595,567.

Mechanical Equipment—Anderson and Rowe, 45 Belcher St., $82,917.

Electrical Work—Lynn & Hefferman, 114 Ashton Ave., $56,510.

Complete bids follow:

(1) deduct if Travertite cast stone is used in lieu of limestone.

(2) deduct if Travertite cast stone is used in lieu of Architectural Terra Cotta.

(3) deduct if Terra Cotta wall units, 8x16-in. are installed in lieu of size shown.

(4) add or deduct if Schlage Locksets Heavy Duty Type C are used in lieu of those specified.

(5) add if cement dash finish is used in lieu of Exterior Concrete Paint.

(6) add if six cut Raymond or approved equal grey granite is used in lieu of limestone.

(7) add if six cut Raymond or approved equal grey granite is used in lieu of cement finishing for landing approx. 4x21-ft. from promenade to vestibule No. 128; and for 32nd Ave. main entrance stairs and landings from the sidewalk line to entrance doors of vestibule No. 128. Concrete stair and landing slabs shall be provided for support of concrete.

Meyer Const. Company		$595,567
	(1)	1,238
	(2)	1,525
	(3)	2,547
	(4)	100
	(5)	150
	(6)	608
	(7)	3,498
Anderson & Ringrose		$629,450
	(1)	1,230
	(2)	4,500
	(3)	2,500
	(4)	1,400
	(5)	1,500
	(6)	725
	(7)	3,100
K. E. Parker Company		$689,000
	(1)	900
	(2)	4,400
	(3)	2,500
	(4)	1,400
	(5)	500
	(6)	700
	(7)	3,500
MacDonald & Kahn		$698,896
	(1)	870
	(2)	4,800
	(3)	.....
	(4)	1,400
	(5)	1,500
	(6)	750
	(7)	3,500
O. Monson		$702,000
	(1)	1,250
	(2)	5,250
	(3)	2,300
	(4)	1,300
	(5)	3,300
	(6)	800
	(7)	3,875
Lindgren & Swinerton, Inc.		$724,419
	(2)	3,323
	(3)	2,547
	(4)	1,400
	(5)	4,000
	(6)	1,500
	(7)	4,000
Clinton Construction Company		$729,000
	(1)	1,000
	(2)	3,600
	(3)	600
	(4)	400
	(5)	2,000
	(6)	700
	(7)	3,400

Mechanical Equipment (Plumbing and Gas Fitting)

Anderson & Rowe	$82,917
Herman Lawson	89,600
Scott Company	89,649
Fred. W. Snook	94,330
James A. Nelson	96,560

Electrical Work

Lynn & Hefferman	$56,510
Victor Lemoge	56,550
Alta Electric & Mechanical Co.	56,600
H. C. Reid & Co.	65,250
Central Electric Co.	65,800
Edward J. Lynch	66,660
Enterprise Electric Co.	66,720
Butte Electric Co.	67,663
Severin Electric Co.	67,820

Unit prices follow:

(A) Meyer Construction Co.
(B) Anderson & Ringrose.
(C) K. E. Parker Co.
(D) MacDonald & Kahn.
(E) O. Monson.
(F) Lindgren & Swinerton, Inc.
(G) Clinton Const. Co.

(1) excavating and backfilling from natural grade to depth of 4 ft. below, add.
(1-a) do deduct.
(2) do to 8 ft. below grade, add.
(2-a) do, deduct.
(3) do to 12 ft. below grade, add.
(3-a) do, deduct.
(4) do to 16 ft. below grade, add.
(4-a) do, deduct.
(5) plain concrete 1 to 8 mix, add;
(5-a) do, deduct.
(6) plain concrete 1 to 6 mix, add.
(6-a) do, deduct.
(7) reinforcing steel, per lb., add.
(7-a) do, deduct.
(8) metal lockers, 12x12x72-in., add.
(8-a) do, deduct.
(9) do, 12x12x36-in., add.
(9-a) do, deduct.
(10) Dudley Padlocks No. B2B, each, add.
(10-a) do, deduct.
(11) linoleum, per sq. yd., laid, add.
(11-a) do, deduct.
(12) cement topping per sq. yd. laid, add.
(12-a) do, deduct.
(13) cement sidewalk, per sq. yd., laid, add.
(13-a) do, deduct.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 1.00	$ .60	$ .90	$ 1.60	$ 1.75	$ 2.00	$ 1.00
(1-a)	.40	.30	.70	.60	.75	1.00	.75
(2)	2.00	.70	1.10	2.00	3.00	3.00	2.00
(2-a)	.50	.30	.90	.75	1.00	1.00	1.50
(3)	5.00	.80	1.25	4.00	6.00	4.00	3.00
(3-a)	.60	.30	1.05	1.60	1.50	1.00	2.00
(4)	10.00	1.00	1.60	1.00	12.50	5.00	5.50
(4-a)	1.00	.40	1.45	.40	2.00	1.00	3.00
(5)	15.00	12.00	.....	18.00	18.00	10.00	17.00
(5-a)	10.00	6.00	.....	9.00	12.00	6.00	10.00
(6)	16.00	15.00	18.00	19.00	20.00	12.00	18.00
(6-a)	10.00	7.00	13.00	7.50	13.00	6.00	11.00
(7)	.04	.045	.0325	.06	.05	.05	.05
(7-a)	.03	.025	.025	.03	.03	.03	.04
(8)	7.94	6.50	7.50	8.00	8.56	8.00	6.50
(8-a)	6.94	3.50	6.50	6.00	6.25	5.00	5.00
(9)	4.74	4.50	5.25	6.00	5.75	5.00	5.00
(9-a)	3.64	3.50	4.50	4.00	3.60	4.00	3.00
(10)	.70	.70	.65	.85	1.10	3.00	.90
(10-a)	.55	.50	.45	.55	.60	2.00	.50
(11)	2.00	1.75	1.75	3.00	2.50	2.25	2.50
(11-a)	1.50	1.25	1.60	1.50	1.50	1.50	2.00
(12)	.36	.06	.60	.80	.85	.45	2.00
(12-a)	.25	.035	.45	.27	.40	.20	.60
(13)	.15	.16	.40	16	.20	.25	.18
(13-a)	.10	.08	.30	.08	.09	.15	.12

16—BANKS, STORES AND OFFICES

CONTRACT AWARDED

SAN FRANCISCO.—Frank J. Reilly, 6350 Fulton Street, at $1,683 awarded contract by the Department of Public Works for alterations in the Grand Jury Room, City Hall. Work includes lathing, plastering, marble, tile work, plumbing, staining and varnishing, mill work, cabinet work, etc. Complete bids published Sept. 20.

Contract Awarded.
ALTERATIONS Cost, $4000
SAN FRANCISCO. SE Sixteenth and Mission Streets.
New marquee and alterations t store.
Owner—Lachman Bros., Uremises.
Architect—Hyman & Appleton, 68 Post St., San Francisco.
Contractor—Jacks & Irvine, 74 New Montgomery St., San Francisco.

Plans Being Prepared
ALTER STORE Cost, $8,006
MODESTO, Stanislaus Co., Calif. 923 Eleventh Street.
Alterations to store building (counters, partitions, lighting system, renovate basement).
Owner—Montgomery Ward Company.
Plans by Engineering Dept. of Owner.

Plans Being Prepared.
BUILDING Cost, $——
QUINCY, Plumas Co., Cal.
Construct new building.
Owner — Town Hall Association, Quincy.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.

Plans Being Figured.
STORE Cost, $12,000
SANTA BARBARA, Santa Barbara Co., Cal.
One-story masonry s t o r e building (stucco exterior, tile roof, ornamental iron, plate glass, soda fountain, etc.)
Owner—Joseph R. Drake.
Architect—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara.
Lessee—Lindon E. Green.

CONTRACT RE-AWARDED

SAN FRANCISCO. — Department of Public Works re-awarded the contract to J. Harold Johnson, 639 Brannan St., at $1,878 for alterations in the Grand Jury Room, City Hall. Work includes lathing, plastering, marble, tile work, plumbing, staining and varnishing, mill work, cabinet work, etc. Contract waa previously awarded to Frank J. Reilly at $1,683.

Plans Being Prepared
STORE Cost, $7,000
QUINCY, Plumas Co., Calif.
One - story reinforced concrete store building.
Owner—Mr. Huskinson.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about 2 weeks.

Contract Awarded
ALTERATIONS Cost,$1124
SAN FRANCISCO. 576 Sacramento St.
Alterations to Potter Building.
Owner—Capitol Co., 625 Market St.
Plans by Const. Dept. of Owner.
Contractor — Langfelder & Schuster, 815 25th Ave., Apt. 104.

CONTRACT AWARDED

LOS ANGELES, Cal.—Wm. P. Neil Co., 4814 Loma Vista St., awarded the contract for a building on southwest corner of Second St. and Santa Fe Ave. to be occupied by the Graybar Electric Co. Will be a 3-story, Class A structure, 100x150 feet in area; reinforced concrete construction, composition roofing, steel windows, concrete floors, etc. Work will start at once. Harry T. Miller, 4814 Loma Vista St., architect.

PLANNED

SAN DIEGO, Cal.—San Diego city council and San Diego county supervisors have agreed to submit a $1,000,000 bond issue at the general election November 6 to finance the construction of the proposed city-county office building on the water front civic center site in San Diego. Chas. Quayle, 601 Spreckels Bldg., San Diego, architect. 5

To Be Done By Day's Labor.
ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 2933 Spear Street.
Alterations to offices and stores.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Plans by Engineering Dept. of Owner (J. H. Christie, Chief Engineer), 65 Market St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 1660 Haigth Street.
Alterations to store building.
Owner—Mrs. C. E. Hart, 897 Clayton St., San Francisco.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco.

Sub-Contracts Awarded
REMODEL BLDG. Cost, $5000
OAKLAND, Alameda Co., Cal. 14th St. bet. Franklin and Webster.
Remodel one - story bank building for three stores.
Owner—The Central Bank.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Contractor—C. H. Thrams, 28 Home Place, Oakland.
Structural Steel—Judson - Pacific Co., foot of Park Ave., Oakland.
Electric—Wade E. Privett, 3532 Telegraph Ave., Oakland.

CONTRACT AWARDED

LOS ANGELES, Cal.—Miller-Saunders Co., 700 S. La Brea Ave., awarded contract for erection of an office and dressing room building at 1041 N. Formosa Ave., for Uited Artists Studio Corp. It will be a 3-story structure, 154x40 feet in area; wood frame construction, stucco exterior, composition shingle roof, casement and factory type steel sash, electric heaters, carpeted pine floors, tiled toilet rooms electric elevator, ornamental iron work structural steel, etc. Cost, $50,000. Plans prepared in owner's studio.

Sub-Contracts Awarded
OFFICE BLDG. Cont. Price, $33,870
MARYSVILLE, Yuba Co., Calif. Seventh and B Streets.
One - story brick and reinforced concrete office building (part basement, frame partitions, tile roof.
Owner—State of California (Division of Highways).
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—Campbell Const. Co., 800 R St., Sacramento.
Mill Work—Diamond Match Co., Chico
Structural Steel—Palm Iron & Bridge Works, 15th and S Sts., Sacramento.
Reinforcing Steel—Truscon Steel Co., 604 Mission St., San Francisco.
Ornamental Iron—Palm Iron & Bridge Works, 15th and S Sts., Sacramento.
Roofing—Central Roofing Co., 621 10th St., Modesto.
Sheet Metal—Frank M. Booth, Marysville.
Painting—Robinson Paint Co., Marysville.
Plastering—Thos. F. Scollan Co., 2919 T St., Sacramento.
Marble—H. O. Adams, 2610 Eye St., Sacramento.
Tile Work—Fischer Tile & Marble Co., 1219 J St., Sacramento.
Glass and Glazing—W. P. Fuller and Co., 1013 12th St., Sacramento.
Lumber—Union Lumber Co., Marysville.
Grading and Excavation — Campbell Const. Co., 800 R St., Sacramento.
As previously reported, plumbing contract awarded to Frank M. Booth, 222 Third St., Marysville, $2222; heating and ventilating to J. J. McDermott, 2401 U St., Sacramento, $6548; electric to M. P. Canon, 2708 10th St., Sacramento at $2396.
Construction has just been started.

Contract Awarded
ALTERATIONS Cost, $1000
OAKLAND, Alameda Co., Calif. 3425 Grand Avenue.
Alterations to building.
Owner—Fidelity Guarantee Bldg. and Loan Co., 2323 Shattuck Avenue, Berkeley.
Architect—W. H. Ratcliff, American Trust Bldg., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland.

17— THEATRES

PRELIMINARY PLANS COMPLETE

LOS ANGELES, Cal.—Architect C. A. Balch, 1914 S. Vermont Ave., has prepared preliminary plans for a theater building to be erected on Beverly Blvd. near La Brea Ave., for a client. It will contain an auditorium with seating capacity of 1200 and several store rooms; masonry construction, plastered front, composition roof, Neon lights, ventilating system, etc. Cost of the building is estimated at $90,000 and equipment at $25,000.

CONTRACT AWARDED

LYNWOOD, Los Angeles Co., Cal. —W. W. Petley, 205 Mills - Fraser Bldg., Santa Monica, awarded contract for theatre and store building on Long Beach Blvd., Lynwood, for Lynwood Theatre Corp. Work will start within ten days. The building will be of reinforced concrete and steel stud construction, metal lath plaster exterior and interior, composition roofing, plate glass, ventilating system, tile work, etc. Mr. Petley, desires sub-contract bids for the following: Concrete work, steel studs, plumbing, heating, electric wiring, painting, composition, roofing, tile work, sheet metal, ventilating, Neon signs, plate glass, lumber and millwork. Plans were prepared by Paul Kerr.

18— WHARVES & DOCKS

Plans Completed.
EXTEND DOCK Cost, $542,000
OAKLAND, Alameda Co., Cal. Outer Harbor.
1300 foot extension to dock (width to vary from 92 to 112 feet) creosoted apron, concrete bulkhead wall along front and rear, two shopside railroad tracks, asphalt surfacing, etc.) total width to be 264 feet.
Owner—City of Oakland (Port Commission).
Plans by Engineering Dept. of Owner (Arthur Abel, Chief Engineer).
Bids will be asked upon approval of plans by PWA.
The project is financed in part by PWA funds and contractors must comply with QWA regulations.

Bonds Voted—To Prepare Plans.
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Cal.
New Municipal yacht harbor (work includes 900 foot pier extension, boat lading facilities, dredging, piling, filling, levee, etc.)
Owner—City of Martinez.
Architect—E. Goeffrey Bangs, 411 13th St., Oakland.
Consulting Engr.—Lochiel M. King, 1339 Grove St., Alameda.
Bonds in the amount of $38,000 were voted Sept. 25, the vote being 1320 for and 184 against. PWA has made a grant of $15,000.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO. — J. G. Wilson Corp., 24 California St., at $5,233 was awarded contract by State Board of Harbor Commission for furnishing and installing six steel rolling doors in the Bulkhead Building at Piers Nos. 38 and 40.

CONTRACT AWARDED
PORTLAND, Oregon.—Erickson and Klepp, Rainier, Ore., at $10,642 awarded contract by the U. S. Engineer Office, 306 Customhouse, Portland, under Spec. No. 35-79, for furnishing one 45-ft. wooden gasoline motor-driven twin-screw boat, and delivering it afloat, read for service, at Government Moorings, No. 8010 N.W. St. Helens Road, Portland.

Construction Under Way.
STABLES Cost, $25,000
SAN MATEO COUNTY, Cal. Bay Meadows.
Construct group of frame stables (50 x220 feet each).
Owner—California Jockey Club (Wm. P. Kyne, General Manager), 1945 Broadway, San Francisco.
Engineer—Maury I. Diggs, 364 14th St., Oakland.
Work is being done by day's labor.

Contracts Awarded.
SCALE, SPUR TRACK, ETC. Cost, $35,000
SAN FRANCISCO. Francisco St., bet. Powell and Mason Sts.
Construct concrete pit and foundations for 50-foot railroad track scale, spur track .etc.
Owner—Bauer Schweitzer Hop & Malt Co., 660 Sacramento St., S. F.
Engineer—W. E. Murray, 908 Hayes St., San Francisco.
SCALE — General Pacific Scale Co., 1106 Bryant St., San Francisco.
SPUR TRACK—Fay Improvement Co. Phelan Bldg., San Francisco.

Contract Awarded.
TANKS, ETC. Cost, $4000
OAKLAND, Alameda Co., Cal. No. 833 Forty-seventh Avenue.
Steel storage tanks and loading rack.
Owner—Rio Grande Oil Co., 417 S. Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractar — Harman Pacific Co., 7 Front St., San Francisco.

Plans Completed
ALTERATIONS Cost, $10,000
SAN FRANCISCO. 3527 Geary Street.
Alterations to columbarium.
Owner—Cecil E. Bryan, 3527 Geary St.
Architect—Clarence L. Jay, 2300 North Marengo Ave., Pasadena.
Engineer—James McFarland, 710 47th Avenue.

BIDS WANTED
SAN JOSE, Cal.—Until October 9, 8 P. M., bids will be received by W. L. Bachrodt, Secretary, San Jose Bd. of Education, for removal of frame dwellings located at 707, 713 and 721 Willis Avenue, adjacent to Gardner School. Specifications may be obtained from the Superintendent of Schools' Office, San Jose.

CONTRACT AWARDED
SAN FRANCISCO —D. E. Manning, 118 Virginia Ave., at $1,455.20 submitted low bid and awarded contract by Capt. R. B. Woolverton, Contracting Officer, Headquarters, Ninth Corps Area, Presiido of San Francisco, for the installation of the new telephone central office at Fort Winfield Scott.
The other bids were:
Scott-Buttner, S. F. $2,131
Eureka Electric Radio, S. F. 2,300
Electrical Communication Co. 2,470

CONTRACT AWARDED
SAN FRANCISCO.—H. C. Thompson 930 Evans St., at $1,960 awarded contract by the State Board of Harbor Commissioners, Ferry Bldg., for reconstructing barge for oil barge.

Plans Being Figured—Bids Close Oct. 5, 2:30 P. M.
MAUSOLEUM & CHAPEL $——
WOODLAWN, San Mateo Co., Cal. Woodlawn Cemetery.
Reinforced concrete mausoleum with marble and bronze interior and concrete and granite chapel.
Owner—Woodlawn Cemetery Assn.
Architect—W. G. Merchant; Maybeck & White, Associated, Russ Bldg., San Francisco.

CONTRACT AWARDED
SAN FRANCISCO.—Pacific T. & T. Co., 444 Bush Street, awarded a contract to Symon Bros., 1435 Market St., at $2,000 for demolishing building and removal of materials and debris and for the erection of a fence on the site.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED
SAN FRANCISCO—Identical bids at $1.50 per hour for the rental of three pneumatic tired dump trucks, chassis weight not less than 2800 lbs., body capacity not less than 1½ cu. yds. were received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, 211 State Bldg., San Francisco, from the following:
F. Mulineax, C. G. Oelkers and Ed. Barker (bidding jointly), Oakland; L. C. Smith, San Mateo; Miller & Wigginton, Oakland; M. Bertolino, San Francisco; Truck Contracting & Equipment Co., Oakland; A. Texeira, Oakland; Rosenberg Bros., San Francisco; Daniel Gallagher T. M. & R. Co., San Francisco; Rock & Gravel Trucking Co., by George Fraties, Oakland; L. Green, Oakland; Joe Cunha, Hayward; A. L. Philbrick, Glenwood; Eugene Della Rosa, Martinez; A. E. Garcia Jr., Irvington; F. W. Totten, Oakland; Triangle Trucking Co., Oakland; Pacific Truck Service, Inc., San Jose; and Chas. W. Hiers, Oakland.
M. T. Nuelerke, San Rafael, bid $2.75.
The trucks are to be used in Santa Clara and Santa Cruz Counties.

BIDS OPENED
SAN FRANCISCO.—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1270, for furnishing lumber for Camp Mather Recreation Department:
San Francisco Lumber Co., S. F., (1) $1187.48; (2) (Alt.) no bid.
Davis Hardwood Co., S. F., (1) $1,258.92; (2) $1522.61.
Colonial Lumber Co., (1) $1272.02; (2) $1402.02.
Chas. Nelson Co., S. F., (1) $1885.39; (2) $1310.39.
Christenson Lbr. Co., S. F., (1) $1,393.76; (2) $1642.88.
Smith Lumber Co., S. F., (1) $1257.11; (2) $1506.73.
United Lumber Yards, Inc., (1) $1,427.97; (2) $1544.
McCormick Supply Co., S. F., (1) $1197.29; (2) $1261.95.
Allen & Dettman Lumber Co., S. F. (1) $1590.30; (2) $1770.
All bids held under advisement.

BIDS OPENED
OAKLAND, Cal.—Following bids received by the Oakland City Council Sept. 20, for furnishing 5,620 ft. of insulated cable, paper covered:
Graybar Elec. Co., Oakland . $1,433.10
General Cable Corp., Oakland 1,433.10
Electric Corp., Oakland 1,433.10
J. A. Roebling's Sons, S. F. 1,478.06
Maydwell & Hartzell, S. F. 1,478.06
American Electrical Works . 1,826.20

CONTRACTS AWARDED
OAKLAND, Calif. — Following contracts awarded by the Oakland City Council for rental of trucks as follows: (1) handloading; (2) bunker or crane loading:
A. Texeira, Oakland, (1) $0.824; (2) $1.09.
Bruno Skibo, (1) $0.82; (2) $1.09.
H. C. Templeton, (1) $0.75; (2) $0.75.
F. P. Kaiser, (1) $0.80; (2) $0.90.

CONTRACT AWARDED
SANTA MONICA, Los Angeles Co., Cal.—American Cast Iron Pipe Co., 412 W. 6th St., Los Angeles, was awarded a contract by the Santa Monica City Council at $7,912.50 for furnishing cast iron pipe as follows: $0.445 per ft. for furnishing 2500 ft. 4-in. pipe, and at $0.68 per ft. for 10,000 ft. of 6-in. pipe. Bids were opened Sept. 17.

CONTRACT AWARDED
LOS ANGELES, Calif. — American Pipe & Steel Co., Ltd., was awarded the contract by Saul A. Joseph, Purchasing Agent of Metropolitan Water District, Sept. 22, at $7,308.25 for furnishing 22-in. steel pipe under Bid No. 27957. The other bids were:
West Coast Pipe & Steel Co. $8,000.00
Southern Pipe & Casing Co. 7,530.00
Southwest Welding & Mfg. 7,482.50
Consolidated Steel Corp. 7,441.50

OAKLAND, Cal.—Until Oct. 1, 4:30 P. M., bids will be received by the City of Oakland Port Commission for cast iron pipe, fittings, etc., for new water line in dock industrial area, Oakland. Quantities follow:
(1) 1500 ft. 8-in. line, Class C pipe;
(2) 800 ft. 6-in. do;
(3) elbows, nipples, etc.

BIDS OPENED
FORT PECK, Mont.—Following bids received by the U. S. Engineer Office, Kansas City, Mo., Sept. 12, for furnishing untreated cross and switch ties for the Fort Peck Spillway track:
Schutte Lbr. Co., Kansas City $14,730.70
Henry Good, Kalispell, Mont. 14,769.80
Klickitat Fir Lbr. Co., Portland 17,196.17
W. O. Hutchinson, Whitefish, Montana 14,299.40
Kalispell Lbr. Co., Kalispell.. 15,548.50
McCormick Supply Co., S. F... 14,753.10
Do Alternate) 16,256.18
Crocker & Guiles Lumber Co. Bonners Ferry, Idaho 16,238.98
J. F. Sharp Lbr. Co., Seattle.. 14,783.48
M. A. Wyman Lumber Co., Seattle 14,601.10
W. T. Ferguson Lbr. Co., St. Louis, Mo. 20,462.33
Santa Fe Lbr. Co., S. F. 15,212.78
Merrill & Sturgeon Lbr. Co., Portland 14,638.68

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

CANAL ZONE

PANAMA CANAL ZONE—Until Oct. 5, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C. under Schedule No. 2998, for furnishing miscellaneous supplies, materials and equipment, as follows:

Paint, enamel, varnish and ingredients, paint thinner, turpentine, linseed oil, putty, castor oil, lard oil, cup grease, ship glue, rust-prevetitive compound, Ethyl alcohol, liquid coat tar, creosote oil, hydrochloric acid, carbon bisulphide, caustic soda, empty paint cans, paint drums, hacksaw blades, scythe blades, pencil sharpeners, solid rubber tires.

Specifications obtainable from above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE—Until October 11, bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 2999, for furnishing miscellaneous supplies and equipment, including one 1½-ton motor truck; one 1-c.y. clamshell bucket; 2 sets teeth, 1 orange peel bucket, 500 pcs. structural steel plates, non-copper; 40 pcs. angles; 70 pcs. channels; 60 pcs. sheet steel; 421 pcs. steel plates 38,000 lbs. soft steel; 1,000 ft. wrought iron or steel pipe; 1,600 ft. terra cotta pipe; 100 electric water heaters; 432 flashlights, 18,144 flashlight batteries; 24 storage batteries; 1,000 dry cells; files; 4,000 lbs. nails; 600 anchor shackles; 432 hand shovels; 1,440 machetes; 108 step ladders; 1,000 casting brushes; 400 woven reed chairs; 1,100 sq. ft. copper netting; 800 pounds solder; 3,000 lbs. pig tin; 5,000 fire clay bricks; 2,000 magnesia asbestos plaster; 25,000 lbs. quick lime; 10,000 lbs. silicia sand; 100,000 lbs. coke; 400 asphalt prepared roofing; 1,200 sq. ft. corkboard; 600 pcs. air brake hose; 900 ft. rubber matting; 1,404 tires; 54 tires; 1,000 tubes; 200 bicycle tires; 5,000 celluloid card cases, etc.

Specifications obtainable from above office and from the Assistant Purchasing Officer, The Panama Canal, Fort Mason, San Francisco.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Dept., Washington, D. C., for miscellaneous supplies and equipment, as follows:

Drums and Headers, steam and water; East and West yards; Sch. 3386. September 28.

Alloy, aluminum, sheet, 2,500 lbs.; Puget Sound; Sch. 3370. October 2.

Locks and latches; East and West yards; Sch. 3344. October 2.

Brass and Copper, bar & sheet; Puget Sound; East or West yards; Sch 3346. October 2.

Steel, 155 squares galvanized corrugated sheet steel; 37,030 lbs. do; Puget Sound; Sch. 3345. October 2.

Steel, 22,000 lbs. medium plate; Puget Sound; Sch. 3347. October 5.

Steel, 17,500 lbs. medium bar; Puget Sound; Sch. 3348. October 6.

Twist Drills, approximately 2,600, and 48 sets do; Puget Sound; Schde. 3360. October 5.

Compound, sweeping, 7,000 lbs., Mare Island; 2,000 lbs., Puget Sound. Sched. 3364. October 5.

Cork, compresses, 1,044 sq. ft., San Diego; 4,250 sq. ft. Mare Island; Sch. 3365. October 5.

Gold Leaf, 58 packs, 25 sheets to book, 20 books per pack, San Diego and Mare Island; Sch. 3366. October 5.

Facings, brass boat, 6,900 lbs.; Puget Sound; Sched. 3377. October 5.

Liquid Door Closers, approx. 250; East yards and San Diego; Sched. 3368. October 5.

Cement, approx. 1,700 pts. liquid rubber cement and 1,900 lbs. iron or steel cement compound; East and West yards; Sch. 3367. October 5.

Screws & Nuts, machine, and wood screws; East and West yards; Sched. 3350. October 5.

Bolts and Nuts, brass and steel; East and West yards; Sched. 3352. October 5.

Fire Extinguishing Liquid, carbon-tetrachloride base and charges; East and West yards; Sched. 3363. Oct. 5.

Strapping, approx. 22,000 lbs. steel packing case strapping; East and West yards; Sched. 3369. October 5.

Compound, approx. 3,000 lbs. valve grinding; East and West yards; Sch. 3373. October 5.

Rivets and Washers, steel; East and West Yards; Sch. 3384. October 5.

Burrs, rivets and washers; East and West Yards; Sch. 3339. October 9.

Chain, coil and weldless; East and West Yards; Sch. 3396. October 12.

Washing Machines, motor-driven, 2, Mare Island, and 2 flat work laundry ironers, Puget Sound; Sched. 3395. October 12.

Specifications obtainable from above office.

SAN MATEO COUNTY

SAN MATEO COUNTY, Cal.—Until October 2, 10 A. M., bids will be received by Ernest H. Werder, San Mateo County Purchasing Agent, Court House, Redwood City, for furnishing the following:

(1) One power scarifier, hydraulically operated, for use with 50-hp. tractor.

(2) One bulldozer or combination bulldozer trailbuilder for 30-hp. Caterpillar tractor.

(3) One 2-c.y. hydraulic scraper, including hydraulic pump unit, control lever and valve, hose and connections installed on 30-hp. tractor, Holt-Caterpillar No. 43372.

(4) One hydraulic scraper, fob., including hydraulic pump unit, control lever and valve, hose and connections installed on 60-hp. tractor, Best, No. 1943.

(5) One power-driven broom complete with power take-off installed on McCormick-Deering Model 20 tractor, No. 437 DBW-994DA.

Specifications obtainable from above office.

RECLAMATION SERVICE

BOULDER CANYON, Nev. — Until Oct. 15, 2 P. M., bids will be received by the Bureau of Reclamation, Denver under Spec. No. 592, for furnishing and delivering fob cars at the factory shipping point or at Boulder City, the following:

Three 1,000 Kv-a, 60-cycle, single-phase, 16,500 to 1,385/2, 400-volt Y, oil-insulated, self-cooled transformers.

13 200 Kv-a, 60-cycles, single-phase, 2400 to 480/277-volt Y, do.

Seven 150 Kv-a, nine 100 Kv-a, four 37½ Kv-a, four 25 Kv-a, three 15 Kv-a, one 10 Kv-a, and four 5 Kv-a, 60-cycle, single phase, 2,400 to 240/120-volt, oil insulated, self cooled transformers.

Three 50 Kv-a, 60-cycle, single-phase, 2,400 to 480/240-volt, do.

Two 200 Kv-a, and four 100 Kv-a, 60-cycle, 3-phase, 2,400 to 480Y/240Y-volt, do.

Two 15 Kv-a, 60-cycle, 3-phase, 2,400 to 240Y/120Y-volt, do.

The above are for installation in the Boulder Dam and Power Plant, Boulder Canyon Project.

Specifications obtainable from above office without charge to prospective bona fide bidders; to others, $1.00 not returnable.

LOS ANGELES COUNTY

LOS ANGELES, Cal.—Until Oct. 1, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for furnishing lumber for use in constructing a timber facing on San Gabriel Dam No. 2:

SCHEDULE NO. I

(1) 774,000 ft. lumber;
(2) 4,700 lbs. 16-penny nails;
(3) 5,000 lbs. 40-penny nails;
(4) 700 ¾x12-in. machine bolts;
(5) 75 lbs. standard steel cut washers for ¾-in. bolts;
(6) 1,800 1x3-in. galv. bolts marked "A";
(7) 840 4x4x½-inch plate washers marked "B";
(8) 260 4x11x½-in. do marked "C";
(9) 700 pcs. 9-in x 13.4 lbs. x 16-in. channels marked "D";

SCHEDULE NO. II

(10) 2,600 barrels portland cement in cloth sacks.

Samuel Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

EL MONTE, Cal.—Until October 6, 7:30 P. M., bids will be received by the Mountain View School District, one mile east of El Monte, for the following equipment and materials:

(1) Air compressor with jackhammer and labor for drilling 184 1½" holes, 12" deep, in old foundation wall; chipping 90 lin. ft. of keyway on tip of old foundation wall, 2" deep and 4" wide; chipping 43 lin. ft. on surface of corridor floor ½" deep and 8" wile; chipping 43 lin. ft. of face of old foundation wall, 5" wide and 12" deep; drilling two 2½" and one 6" hole through 4" concrete floor.
(2) Paint Material.
(3) Finish hardware.

Bids for paint material and finish hardware are to be for material only, work to be done by the SERA. Plans and specifications are on file at the school.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until Oct. 10, 1 P. M., bids will be received by the East Bay Municipal Utility District 512 16th St., Oakland, John S. Kimball, Secretary, under Informal Proposal No. 557, for furnishing:

(1) 50,000 gals. gasoline to be delivered fob Corporation Yard, tank car price as of Oct. 10.

(2) 10,000 gals. gasoline delivered at Orinda filter plant, price as of Oct. 10.

Specifiations obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS OPENED

GOVERNMENT ISLAND, Cal—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1212, for furnishing 18-ft. suspension bridge towers, structural steel, complete with all structural steel, bolts for field connection, anchor bots, etc., as follows:

(1) 2 for Balm of Gilead Creek Bridge
(a) f.o.b. bidder's shipping point;
(b) f.o.b. Dos Rios.
(2) 2 for Upper Relief Bridge; (a) f. o.b. bidder's shipping point; (b) f.o.b. Sonora. The bidders were:
(A) Herrick Iron Works, Oakland.
(B) Moore Dry Dock Co., Oakland.
(C) Western Iron Works, San Francisco.
(D) Dyer Bros. Golden West Iron Works, San Francisco.
(E) Golden Gate Iron Works, San Francisco.
(F) McClintic - Marshall Corp., San Francisco.
(G) Palm Iron Works, Sacramento.
(H) California Steel Products Co., San Francisco.
(I) Judson-Pacific Co., San Francisco.
(J) Schrader Iron Works, Inc., San Francisco.
(K) Independent Iron Works, Ltd., Oakland.

	(1-a)	(1-b)	(2-a)	(2-b)
A)	$214.00	$299.00	$232.00	$248.00
B)	315.00	.....	315.00	.....
C)	255.00	295.00	265.00	285.00
D)	276.00	.....	272.50	.....
E)	250.00	.....	265.00	.....
F)	270.00	.....	278.00	.....
G)	295.00	329.00	282.00	297.00
H)	309.00	337.00	304.00	320.00
I)	359.00	392.00	375.00	398.00
J)	325.00	.....	316.00	.....
K)	251.50	282.00	251.50	269.00

All bids held under advisement.

BIDS WANTED

GRAND COULEE DAM, Washington—Until October 18, 10 A. M., bids will be received by the Bureau of Reclamation, Almira, Washington, under Spec. No. 592, for the construction of the Columbia River Highway Bridge at Grand Coulee Dam, Columbia Basin Project, Washington, about 22 miles northwest of Almira. The work involves construction of a steel bridge of the cantilever type supported on four reinforced concrete piers and with reinforced concrete approaches at each end. The main span will be 550 ft. long and the end spans will each be 200 ft. long. The roadway will be of steel grid and concrete construction with concrete sidewalks on each side. The two main piers located in the river channel are being constructed under a separate contract. The specifications provide for a lump sum price for furnishing all materials (except cement and reinforcement bars) and constructing the concrete end piers and approaches, erecting the steel work, and constructing the roadway and sidewalks

Plans and specifications obtainable from above office without charge to prospective bona fide bidders; to others, $3.50, not returnable.

CONTRACT AWARDED

KERN COUNTY, Cal.—Rexroth and Rexroth, 2110 C, Station A, Bakersfield, at $2,702 awarded contract by the State Highway Commission, Sacramento, for the construction of a timber bridge consisting of three 15-foot spans in Kern County across Whiterock Creek at Monolith.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1212, for furnishing one 60 ft. structural steel truss span, complete with all structural steel bolts for field connections, etc., for the Middle Fork of the North Fork of Yuba River Bridge. Delivery f.o.b. bidder's shipping point.

Independent Iron Works, Oakland, $745.
Palm Iron Works, Sacramento, $897.
McClintic-Marshall Corp., Oakland, $947.
California Steel Products, San Francisco, $1098.
Golden Gate Iron Works, San Francisco, $897.
Western Iron Works, San Francisco, $898.
Herrick Iron Works, Oakland, $1050.
Dyer Bros. Golden West Iron Works, San Francisco, $1058.
Schrader Iron Works, San Francisco, $990.
Moore Dry Dock Co., Oakland, $1130.
Judson - Pacific Co., San Francisco, $1091.

BIDS OPENED

TILLAMOOK COUNTY, Ore.—Tom Lilieb o, Reedsport, Oregon, at $18,701 submitted low bid to the Bureau of Public Roads, Portland, Sept. 19, for constructing or improving McMinnville-Tillamok Highway Reconstruction (3 bridges and reconstructing Alder Creek bridge) Project FHES 1-A2, National Forest Road Project, Siuslaw National Forest, Tillamook Co.

The other bids were:

Averill & Philpott, Portland	$19,184
Barham Bros., Salem	20,609
Bingham & Son, Portland	21,966
J. F. Johnson, Newberg	22,910
C. J. Montag, Portland	22,973
Shattuck & Neland, Portland	24,176
Stebbins Const. Co., Klamath Falls	25,135
A. T. Dolan, Tillamook	26,403

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

STANISLAUS COUNTY, Cal.—Until Oct. 9, 2 P. M., bids will be received by the Stanislaus County Board of Supervisors, C. C. Eastin, Clerk, Modesto, for the construction of a bridge over the Turlock Irrigation District's Ceres Main Canal, about 1¼ mile east of the A. T. & S. F. Railroad, on the road known as Seventh St. extended north from the town of Hughson, and a bridge over Del Puerto Creek, on Vineyard Ave., in Patterson Colony, Stanislaus County.

Plans and specifications obtainable from the County Surveyor, and on file at the above office.

NEW BIDS ASKED

SANTA CLARA COUNTY, Calif.—Until Oct. 8, 11 A. M., new bids will be received by the Santa Clara County Board of Supervisors, Court House, San Jose, for the construction of a reinforced concrete culvert on Summerhill Ave. in Supervisor District No. 5.

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

A. Soda & Son, 1077 65th St., Oakland, at $1,561 submitted low bid and awarded contract Sept. 17, but were allowed to withdraw their bid due to errors in estimates. 1

NEW BIDS ASKED

SANTA CLARA COUNTY, Calif.—Until Oct. 8, 11 A. M., new bids will be received by the Santa Clara County Board of Supervisors, Court House, San Jose, for the construction of two reinforced concrete culverts on Louis Road in Supervisor District No. 5; one across Clark Ditch and the other across Matadero Creek.

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

A. Soda & Son, 1077 65th St., Oakland, submitted low bid and awarded contract at $3,036.36 Sept. 17, but were allowed to withdraw their bid due to errors in estimates. 1

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

COWLITZ RIVER, Wash. — Until October 2, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-174 for the removal and disposal of 600 snags and/or sinkers in the Cowlitz River, Washington, bet. triangulation survey station "Tongue" at the river mouth and the Longview, Portland & Northern R. R. bridge, about 1.6 miles above the mouth.

September 26, 1934

BIDS WANTED

SACRAMENTO, Cal.—Until Oct. 2, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, under Spec. No. 6751, for furnishing, delivering and carefully placing approximately 3,400 tons of rip-rap stone along the east bank of the Sacramento river just below Colusa weir and approximately 1.5 miles upstream from Colusa.

Specifications obtainable from above office. 2

BIDS OPENED

SANTA MONICA, Los Angeles Co., Cal.—Merritt-Chapman & Scott Corp.,

720 Wilmington Road, San Pedro, at $3,940 submitted low bid to the Santa Monica City Council Sept. 25, for the reconditioning and repair of the breakwater in the City of Santa Monica in accordance with plans and specifications No. 61. Bids were taken as follows:

(1) 1,000 tons all sizes of rock in place in breakwater;
(2) lifting and resetting of stone now in place in breakwater above main lower low water, 20 stones;
(3) quantity required by city, lifting and reseating of stone now in place in breakwater below mean lower low water and 5-ft. below low mean low water;
(4) furnishing in quantity as required by the city all sizes of additional rock in place in breakwater.

The bids were:

Merritt-Chapman & Scott Corp., (1) $3.79; (2) $7.50; (3) $12.50; (4) $4.50; (total) $3,940.00.

Shannahan Bros., Inc., Los Angeles (1) $8.20; (2) $15; (3) $22.50; (4) $8.50; (total) $8,500.00.

23— IRRIGATION PROJ.

BIDS WANTED

HYRUM DAM, Utah—Until October 11, 10 A. M., bids will be received by the Bureau of Reclamation, Hyrum, Utah, under Spec. No. 627-D, for the construction of earthwork on the Hyrum-Mendon Canal from Station 10+50 to Station 731+06, on the Hyrum Feeder Canal from Station 4+00 to Station 69+49, and on the Wellsville Canal from Station 10+62 to Station 284+84, Hyrum Project, Utah.

The work, which is located near Hyrum and Wellsville, Utah, involves
(1) 154,150 cu. yds. all classes of excavation;
(2) 14,800 sta. cu. yds. overhaul.

Plans and specifications obtainable from above office or from the Bureau of Reclamation, Denver, Colorado, without charge to prospective bidders; to others, $1, not returnable.

September 26, 1934

BIDS WANTED

MODESTO, Stanislaus Co., Calif.—Until Oct. 16, 10 A. M., bids will be received by the Modesto Irrigation District, C. S. Abbott, Secretary of the Board of Directors, 823 11th St., Modesto, for constructing a rock cut, repair of old lining by guniting, the construction of concrete lining, the construction of a reinf. concrete structure all in the Main Canal of the Modesto Irrigation District.

Plans and specifications obtainable from the above office. • 23

September 26, 1934

BIDS WANTED

EPHRAIM, Utah.—Until Oct. 18, 10 A. M., bids will be received by Bureau of Reclamation, 336 Federal Bldg., Salt Lake City, under Spec. No. 587, for the construction of the Ephraim Tunnel, Ephraim Project, located near Ephraim, Utah.

The work involves:
(1) 1,800 c.y. all classes of open-cut excavation;
(2) 9,440 c.y. excavation in tunnel;
(3) 425 c.y. concrete in tunnel;
(4) furnishing and erecting 10 MFBM of permanent timbering in tunnel.

Specifications obtainable from above office without charge to prospective bidders; to others, $0.50 not returnable. 23

24— STREET LIGHTING SYSTEMS

BIDS OPENED

SAN FRANCISCO.—Western Iron Works, 141 Beale St., at $1,796 submitted low bid to T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1268, for furnishing shaft covers for Hetch Hetchy Project, as follows:
(1) 5 steel covers for tunnel construction shafts;
(2) 3 screen covers for Tesla and Alameda overflow shafts;
(3) 1 screen cover for Oakdale Portal overflow shaft.

Complete bids follow:

Western Iron Works, San Francisco. (1) $993; (2) $517; (3) $274; (4) total, $1,796.

Golden Gate Iron Works, San Francisco, (1) $1,575; (2) $690; (3) $330; (4) $2,603.25.

California Steel Products Co., San Francisco, (1) $1,873; (2) $532; (3) $254 (4) $2,665.25.

Schrader Iron Works, San Francisco (1) $1,916; (2) $600.40; (3) $320; (4) $2,884.

Peerless Ornamental Iron & Bronze Co., San Francisco, (1) $2,500; (2) $625 (3) $292.25; (4) $3,425.

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO.—Byron Jackson Co., Carlton and 6th Sts., Oakland, at $421.42 submitted low bid to T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1265, for frnishing two direct-connected motor-driven pumping units.

Complete bids follow:

Byron Jackson Co., Oakland	$421.42
Woodin & Little, Inc., S. F.	426.00
Westco Pump Sales Co., S. F.	491.20
" Alternate	461.80
United Iron Works, S. F.	728.00
Worthington Co., S. F.	*335.00

*Each.

CONTRACT AWARDED

YREKA, Siskiyou Co., Cal.—Albert Young, 345 W. Main St., Yreka, at $2,055 submitted low bid and awarded contract by the Yreka City Council, U. F. Brown, City Clerk, Sept. 20, for the laying of underground street lighting circuit on Miner St. from Main to Oregon St. and on Broadway from Main to Lane St., Yreka.

E. G. Mellbourne, Yreka, at $2,275 submitted the only other bid.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Cal.—Bids were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Rm. 740, 207 S. Broadway, for furnishing three only 500-KVA, distribution transformers under Spec. 1495, as follows:

The bidders were:
(A) Malony Electric Company.
(B) Westinghouse Elec. & Mfg. Co.
(C) General Electric Co.
(D) Wagner Electric Co.
(E) Pennsylvania Transformer Co.
(F) Standard Transformer Co.
(G) Allis-Chalmers Mfg. Co.
(H) Kuhlman Electric Co.
(I) Do (Alternate bid).

The items are:
(1) fob bidder's shipping point;
(2) fob cars power spur No. 1, A. T. & S. F. Railway, Los Angeles;
(3) fob cars, Lone Pine.

The bids were:

	(1)	(2)	(3)
(A)	$5,049.00	$5,325.00	$5,379.00
(B)	5,300.00	5,511.00	5,532.00
(C)	5,300.00	5,511.00	5,532.00
(D)	5,489.34	5,996.97	5,996.97
(E)	4,857.00	5,067.00	5,083.00
(F)	5,010.00	5,505.00	5,535.00
(G)	5,127.00	5,337.00	5,353.00
(H)	5,766.54	6,047.67	5,047.67
(I)	5,364.00	5,631.93	5,631.93

All bids were net.

AWARD

MULTNOMAH CO. Ore.—Sam Orino Ralph Bell & C. T. Malcom, 447 Sherlock Bldg., Portland, at $846,247 were awarded contract by the U. S. Engineer Office, Customhouse, Portland, under Bid No. 35-92 (Schedule 1) for constructing a railroad grade, including tunnel work, bridge and foundation work, grading for road changes, extensions or additions, installation of drainage pipes and openings, a construction camp and pertinent facilities for 200 or more men and all incidental work required on or in connection with the Sections "A" and "C" for the relocation of the Oregon - Washington Railroad and Navigation Co.'s line of railroad between mile post 37.58 and Cascade Locks, Multnomah Co., Ore.

AWARDS

BOULDER CANYON, Nev. — Kawneer Mfg. Co., Niles, Michigan, at $117,946 (Schedule 1) awarded contract by the Bureau of Reclamation, Denver, for furnishing and delivering fob cars at the factory shipping point or at Boulder City, metal-sash windows, window operators, spandrels, panels, louvres, mullions, rolling doors and lanterns for installation in the Boulder Dam Power Plant.

Price Building Specialties Co., 683 Howard St., San Francisco, at $4,150 awarded Schedule 5.

BIDS OPENED

LOS ANGELES, Cal.—Following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Rm. 740, 207 S. Broadway, for furnishing 110 mine type dump cars under Spec. No. 1504:

Bids were taken as follows:
(1) fob shipping point, price each;
(2) fob cars or trucks, 410 Ducommun St., Los Angeles, price each;
(5) 2.317 miles finishing earth graded
(3) fob cars Lone Pine, price each.

Bidders follow:
(A) Harron, Rickard & McCone, Co., net.
(B) Austin-Western Road Machinery Co.; net.
(C) American Car & Foundry Co.; net.
(D) California Equip. Co.; net.
(E) Mazor Car Corp., care Harry C. Collins Mchy. Co.; net.
(I) Atlas Car & Mfg. Co.; net.
(G) Atlas Car & Mfg. Co.; alt., net.
(H) Smith Booth Usher Co.; net.
(I) Brown-Bevis Co.; net.
(J) Koppell Industrial Car & Equip. Co., care Garlinghouse Bros.; 1% 30 days.
(K) Chas Foundry & Mfg. Co., % Chas. Cooper & Co.; 1% 30 days.
(L) Madsen Iron Works, Ltd.; net.

Complete bids follow:

	(1)	(2)	(3)
(A)	$349.50	$361.50	$392.50
(B)	295.00	.....	.....
(C)	309.00	412.00	412.00
(D)	341.25	.....	.....
(E)	290.00	336.00	371.00
(F)	260.00	314.25	325.50
(G)	252.00	306.00	317.00
(H)	249.00	297.00	324.00
(I)	315.00	.....	525.00
(J)	243.50	302.50	315.00
(K)	229.74	278.74	283.64
(L)	272.00	275.00	293.45

BIDS OPENED

LONG BEACH, Cal.—Nine identical bids were submitted to the Long Beach City Water Department, September 24, for furnishing and installing (1) one deep well turbine pump in the North Long Beach Well No. 4 on Jackson St., and (2) one deep well turbine pump in Commission Well No. 3 on Carson St., in accordance with Specifications No. W. D. 21.

The bids were: (1) 150 H. P., $4,384.75; (2) 40 h. p., $1608.62.

The bidders were: Submersible Motor Pump Co.; Johnson Pump Co.; Byron-Jackson Co.; Pomona Pump Co.; Wintroath Pumps, Ltd.; Pacific

Pump Works; Kimball-Krogh Pump Co.; Peerless Pump Co., and Layne & Bowler Corp.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, September 22, under Bid No. F. P. 203, for furnishing one deep well turbine pump for the Rincon Indian Reservation:

Layne & Bowler, 1925; K. W. input to motor, $11.06.

Worthington Pump Co., $1996.95; K. W. input to motor, $12.25.

Kimball-Krogh Co., $1952; K. W. input to motor, $12.40.

Fairbanks-Morse Co., $2016; K. W. input to motor, $11.30.

Peerless Pump Co., $1879; K. W. input to motor, $11.25.

Pomona Pump Co., $2005.75; K. W. input to motor, $11.30.

All terms net.

BIDS OENED

LOS ANGELES, Cal. — Following bids received by the U. S. Indian Irrigation Service, Sept. 24, under Federal Project No. 207, for furnishing portable pumping unit for the Santa Cruz Diversion Dam, San Xavier Indian Reservation, Arizona:

Brown-Bevis Co. (new) $425; (used) $250; prices net f.o.b. Los Angeles

Smith Booth Usher Co. (new) $497.25 f.o.b. Los Angeles; discount, 5% 10 days.

American Pump Co., Ltd. (new) $396 f.o.b. Kansas City, Mo.; discount, 2%.

Western Machinery Co. submitted a bid, which, being irregular, was not read.

26— RAILROADS

BIDS REJECTED

SAN FRANCISCO.—Public Utilities Commission, City Hall, has rejected the bid of Eaton & Smith (only bid submitted) at $29,240.50 for the reconstruction of the Market Street railway tracks between Geary and Sutter Streets.

28—FIRE EQUIPMENT

PROPOSAL DEFEATED

IRVINGTON, Alameda Co., Calif.—Proposal to form a fire district including the town of Irvington and vicinity and purchase of fire protection equipment was defeated at a special election. Proponents plan to resubmit the proposal at an early date.

30—RESERVOIRS & DAMS

BIDS WANTED

LOS ANGELES, Cal.—Until Oct. 1, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for constructing a timber facing on San Gabriel Dam No. 2, involving:

(1) 3500 c.y. excavation;
(2) 4000 c.y. earth fill;
(3) 1,500,000 gals. dewatering reservoir;
(4) 285,000 sq. ft. removing 6-in. facing slab and 4-in. envelope slab;
(5) 400 c.y. removing misc. concrete and gunite;
(6) 1,100 c.y. placing gunite;
(7) 775,000 FBM placing timber facing
(8) 4,000 lbs. reinforcing steel;
(9) 4,500 l.f. drilling dowel holes;
(10) 375 c.y. placing poured concrete.

Samuel Fisher, Flood Control Engineer, 205 S. Broadway. Marie B. Beatty, Clerk of the Board.

CONSTRUCTION PROGRAM

LOS ANGELES, Calif.—Samuel M. Fisher, Chief Engineer of the County Flood Control District, has presented to the board of supervisors a list of 20 flood control projects costing $30,200,000 as a basis for a construction program to be constructed under a bond issue to be submitted to voters next November. Long Beach officials and civic leaders have already requested that another project be added. This is a proposed drainage system in a district three square miles in area in the vicinity of Walnut Ave. and State St. in Long Beach the water for the most part coming from Signal Hill. The estimated cost of the project is $1,000,000.

In addition to the protective works the list also sets up two water conservation projects, spreading grounds, one at Whittier Narrows that would cost $5,270,000; and the other at Nigger Slough costing $2,004,000 to build. These two, however, are not considered emergencies.

The list of projects and their cost is as follows: La rescenta-La Canada-Verdugo Wash-Haines Canyon, $4,150,000; Ballona Creek, $5,882,000; Big Tujunga, $5,020,000; Lower Los Angeles River, $605,000; San Gabriel River, central section, $1,443,000; lower section, $1521, outlet, $215,000; total, $3,179,000; Compton Creek, $2,969,000; Pacoima, $692,000; Alhambra Wash, $1,250,000; Eaton Wash, $1,229,000; Burbank Wash, $910,000; Rubio Wash, $411,000; Upper Los Angeles River, $313,000; La Verne, $252,000; Big Santa Anita, $366,000; Wilson and May conyons, $461,000; Central Los Angeles River, $395,000; Nigger Slough, $2,017,000; Sycamore, $99,000.

The list is a reclassification of the existing comprehensive plan for county flood control.

CONTRACT AWARDED

SAN FRANCISCO—E. T. Lesure, 87 Ross Circle, Oakland, at $25,807.50 awarded contract by the Public Utilities Commission, Room 287, City Hall, under Sec. W. D. 63, for placing rip rap on the Calaveras Dam.

BIDS OPENED

FORT PECK, Montana—Hardwick & McGlume, City Bank Bldg., Kansas City, Mo., at $7,916,280 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., September 24, for the construction of the spillway at the Fort Peck Dam.

The proposed spillway will be 9500 feet in length, with a capacity of 250,000 second feet.

Complete total bids follow:

Hardwick & McGlume, Kansas City, $7,916,280.

Central Bridge & Constr. Co., Kansas City, $8,619,473.

Six Companies, San Francisco, $8,880,924.

Spillway Constr. Co., $11,318,40.

The Spillway Constr. Co. is composed of Foley Bros., Inc., St. Paul; A. Guthrie & Co., St. Paul; Guthrie & McDougal, Portland; M. C. Walker & Son, Omaha, and Henry Ericsson Co., Chicago.

Complete description of the project published September 12.

BIDS WANTED

MESA, Arizona.—Until Sept. 25 bids will be received by the Western Gas Co. for the extension of a natural gas pipe line starting from the southeast corner of Tempe and extending north to the Hayden Ranch, then east to Mesa. The work will involve 4,000 ft. of high pressure line in Center Street from the gas plant to the high school. Total cost is estimated at $30,000, largely financed by PWA funds.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Following are additional plan-holders for the construction of cut - and - cover conduit, concrete-lined canal, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, under Spec. No. 70, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Oct. 11, 10 A. M., as previously reported:

Peninsula Paving Co., 9 Main St., San Francisco.

Three Companies, 1900 31st Street, Denver.

Koehring Co., Milwaukee, Wis.

Guy F. Atkinson Co., Bonneville, Oregon.

Ray L. Allin, 125 Mallorca Way, San Francisco.

J. E. Haddock, 357 N. Chester St., Pasadena.

Webster Engr. & Mfg. Co., 2801 Santa Fe Ave., Los Angeles.

Truscon Steel Co., 5480 E. Slauson Ave., Los Angeles.

Garlinghouse Bros., 2416 E. 16th St., Los Angeles.

Graham Bros., Inc., 3425 Fowler, Los Angeles.

Wren & Van Alen, Inc., 301 Fidelity Bldg., Los Angeles.

J. A. Terteling & Sons, Boise, Ida.

Barnard-Curtis Co., Nyssa, Oregon.

Crellin Mchy. Co., 123 Llewellyn, Los Angeles.

FUNDS GRANTED

LOS ANGELES, Cal.—The Metropolitan Water District on Sept. 24 was granted by the Reconstruction Finance Corp. an additional loan of $15,000,000, according to an announcement by W. P. Whitsett, chairman of the Board of Directors. This loan will permit the district to start all of the construction work on the aqueduct from the Colorado River to the Cajalco Reservoir near Corona. Bids on the work from the river to a point near Indio are to be opened October 11.

32—SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

LOS ANGELES, Cal.—Until October 10, 10 A. M., bids will be received by the Los Angeles Board of Public Works for constructing the Thompson Street sewage pumping plant in the Culver Blvd. and Thompson St. Sewer District under cash contract.

The work involves constructing a reinforced concrete pumping structure and a reinforced concrete wet well structure, including furnishing, installing all equipment appurtenant to enter structure, grading plant site, constructing walks, curbs, paving, furnishing and applying sulphur-silica compound, metalizing and painting.

BIDS REJECTED

SAN JUAN CAPISTRANO, Cal.—All bids for rebuildig the septic tank and constructing a secondary clarifier, trickling filter and 300 ft. of outfall sewer were rejected by the San Juan Capistrano Sanitary District, September 18.

The plans and specifications will be revised and the project readvertised within the next few days.

The bids were:

H. A. Teget, Ontario*.....$16,195
J. C. Hickey, Alhambra..... 18,500
H. G. Klusman, Cucamonga..... 19,540
Reed & Maiser, Los Angeles.... 19,800

*Bid not accompanied by certified check.

W. A. Ayer, San Clemente, is the engineer. Currie Engineering Co., 219 Anderson Bldg., San Bernardio, consulting engineer.

BONDS SOLD

BURLINGAME, San Mateo Co., Cal. — Burlingame City Council accepted bid of the National Bank of San Mateo for an issue of $86,000 in improve-

ment bonds, proceeds of which will be used to finance construction of new sewers and sewage disposal plant. The successful bidder offered an interest rate of 3.4%.

City Engineer Chas. M. Thomas reports plans will be submitted to PWA for approval within two weeks and bids on the contract will be called immediately thereafter. 2

CONTRACT AWARDED

SONOMA, Cal.—The Sonoma City Council has awarded contracts for the construction of a sewer system as follows:

H. C. Muddox Co., 30th and L Sts., Sacramento, at $5111.47, for furnishing all vitrified pipe and fittings.

John Pestana and John White, 3214 E-12th St., Oakland, for furnishing all labor, transportation and services and all materials not included in item (1) for the construction complete.

BIDS OPENED

PHOENIX, Arizona—Elliott, Stroud Bros. & Seabrook, Union Avenue, at Subway, Bakersfield, Calif., at $265,-271 (bidding on monolithic pipe) submitted low bid to the Phoenix City Commission, September 25, for constructing storm sewers in accordance with plans prepared by C. E. Griggs, City Engineer.

The other bids were:

Phoenix-Tempe Stone Co., Phoenix, $266,511.84 (centrifugally spun pipe for 24-in. to 60-in. pipe and machine-tamped concrete pipe for 8-in. to 21-in. pipe). Completion time, 5 months from order to proceed.

Arizona Sand & Rock Co., Phoenix, and Gogo & Rados, Los Angeles, $278,-362, pre-cast concrete pipe with 60-in. monolithic pipe); and $287,833.22 pre-cast concrete pipe). Time, May 1, 1935.

Ulen Constr. Corp., submitted four alternates ranging from $300,415 to $336,160. Time, July 1, 1935.

C. A. Spicer Co., Phoenix, $305,288. Time, April 24, 1935.

Bids referred to C. E. Griggs, City Engineer, for tabulation and report to the PWA engineer.

Plans called for completion within 30 days. * 2

BOND ISSUE VOID

PORTLAND, Ore.—Municipal bond issue of $6,000,000 to finance construction of sewers voted July 21, 1933, is illegal, in the opinion of Storey, Thorndike, Palmer & Dodge, Boston bond experts. The attorneys held that plans for the project as presented to the voters were insufficient to qualify under the Oregon State law. City authorities have the opinion under consideration. The project has been approved by PWA for a grant of 30% of the cost. 3

33— WATER WORKS

BIDS OPENED

BRAWLEY, Cal. — Marko Matich, 1269 E. Colorado Blvd., Los Angeles, at $95,672 submitted low bid to the Brawley City Council, September 18, for furnishing all labor, material, transportation, and services, for the construction of extensions to the water system located in and outside of the City of Brawley, exclusive of elevetated steel tank (Proposal No. 2).

The Chicago Bridge Iron Works, 608 S. Hill St., Los Angeles, at $23,-790 submitted low bid on the tank only. Pittsburgh-Des Moines Steel Co. bid $26,545.

The other bids on the work complete, exclusive of the tank were:

Miracle Co., San Diego.....$ 97,081.66
G. A. Shepard, Los Angeles 99,839.54
Fred Weber, South Gate and Kemper Constr. Co., Los Angeles 102,271.92
Heuser & Garnett, Glendale 104,193.40
R. H. Travers, Los Angeles 128,004.00

Bids held under advisement.

Plans and specifications were prepared by Koebig & Koebig, consulting engineers, 458 S. Spring St., Los Angeles. 2

CONTRACT AWARDED

SAN FRANCISCO. — A. P. Smith Mfg. Co., East Orange, N. J., (1142 Howard St., San Francisco) awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1243, for furnishing gate valves, etc.

WATER SYSTEM ENGINEER SELECTED

ROSEVILLE, Placer Co., Cal.—Appointment of W. E. Parrish, consulting engineer for Roseville to prepare plans and specifications for improvements planned for the municipal water system has been recommended to the city council by Chas. Cope, superintendent. Work will include cleaning and lining reservoirs and replacement of a existing 11-inch supply pipe line with 30-inch pipe. 3

BIDS WANTED

ONTARIO, Ore.—Until Oct. 17, 5 P. M. (to be opened at 8 P. M.) bids will be received by C. F. Trow, City Recorded, Ontario, for constructing a municipal water filtration plant.

Separate proposals may be submitted covering one or more of the following items:

Cement, reinforcing steel, rate of flow controllers, water pumps, chemical feeders, cast iron pipe and fittings, gates, valves, stands, gaskets, machine bolts, caulking lead, cralifier tank equipment, overflow weir, flocculator equipment, sludge pump, diffuser plates, air blower, sewer pipe, chlorinator, galvanized pipe, pipe railing.

A separate proposal may also be submitted for the construction of the filtration plant and the furnishing of certain other materials.

Plans and specifications obtainable from the City Clerk upon deposit of $10.00. * 3

BIDS OPENED

SAN MATEO COUNTY, Calif.—Following bids received by the California Jockey Club for sewer and water systems for the Bay Meadows Race Track in San Mateo County:

H. E. Conner, Redwood City (Sewer) $3,440.40; (Water) $3,085.20.

P. L. Burr, San Francisco, $3,618.40; $3,307.60.

Union Paving Co., San Francisco, $3,633; $4,248.

George De Golyer, Oakland, $3,668.84 $3,309.60.

Oakland Sewer Cost. Co., Oakland, (Sewer) $4,111.08.

E. J. Treacy, San Francisco, $4,-808; $4,648.

Geary & Spott, (Sewer) $5,822.60.

The work involves:

SEWER SYSTEM

(1) 624 ft. 8-in. sewer pipe;
(2) 2,100 ft. 6-in. sewer pipe;
(3) 96 ft. 8-in. cast iron pipe;
(4) 96 ft. 6-in. cast iron pipe;
(5) 10 manholes.

WATER SYSTEM

(1) 2,680 ft. 6-in. cast iron pipe;
(2) 4 6-in. gate valves;
(3) 8 hydrants. 3

ENGINEER COMMISSIONED

EUREKA, Humboldt Co., Cal.—Eureka City Council has confirmed a contract with Clyde C. Kennedy, San Francisco, consulting engineer, to act as engineer in construction of the Mad River water supply project. The contract provides for payment of a fee of 4½% of the construction cost. Surveys are being made by City Engineer E. D. Gardner. Mr. Kennedy has conducted the preliminary engineering for the city on the water project, including negotiations for the PWA allotment. 3

34 — PARKS AND PLAYGROUNDS

BIDS REJECTED

HAMILTON FIELD, Marin Co., Cal. —War Department rejected all bids received July 17 for furnishing and installing approximately 734 lin. ft. of fence, two twenty-foot gateways and one 26 foot gateway (consisting of four, 10 foot gates and two 10 foot gates) at Hamilton Field.

BIDS OPENED

NAPA, Cal. — Walter C. Kinder, 1526 Clay St., Napa, at $1717 submitted low bid to Custodian, Napa Post Office, for furnishing and installing a lawn sprinkler system at the U. S. Post Office, Napa. Only other bid was submitted by R. G. Winchell, Vallejo, at $1846. Bids referred to Washington for award.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

KERN COUNTY, Cal. — Clyde W. Wood, Box 49, Stockton, at $10,228.30 awarded contract by the State Highway Commission, Sacramento, for grading and surfacing with bituminous treated crushed gravel or stone about 0.7 miles in length in the town of Maricopa, on Klipstein, Poso, California and Merced Streets, Kern Co.

AWARD

SAN BERNARDINO COUNTY, Cal. —Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $24,954 awarded contract by the State Highway Commission, Sacramento, for about 0.4 mile in length to be graded and paved with Portland cement concrete in San Bernardino County through Bloomington.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until October 18, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 0.5 mile in length to be graded and paved with Portland cement concrete in the City of Long Beach between Loma Ave. and Hathaway Ave., Los Angeles County. The work involves:

(1) 35 stations clearing and grubbing right-of-way;
(2) 25,500 cu. yds. roadway excav. unclass.;
(3) 194,000 sta. yds. overhaul;
(4) 600 cu. yds. structure excav.;
(5) 19,000 sq. yds. subgrade for pavement;
(6) 3775 cu. yds. Class A Portland cement concrete (pavement);
(7) 680 cu. yds. do (curbs, gutters and walks);
(8) 150 cu. yds. Class A Portland cement concrete (structures);
(9) 90,500 lbs. bar reinforcing steel (pavement and structures);
(10) 31,000 lbs. misc. iron and steel structures;
(11) 102 lin. ft. 18-in. reinforced concrete pipe;
(12) 80 cu. yds. removing and disposing of concrete;
(13) 310 M. gals water;
(14) 70 tons fuel oil;
(15) 8550 sq. yds. preparing, mixing and shaping shoulders.
(16) 35 stations finishing roadway.

Plans and specifications obtainable from the State Highway Engineer's Office, Public Works Bldg., Sacramento, and on file at the District Engineer's offices in San Francisco and Los Angeles. * 3

BIDS WANTED

FRESNO COUNTY, Cal.—Until Oct. 17, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for 1 mile in length to be graded and paved with asphalt concrete in Fresno County, between Selma and Fowler Switch Canal. The work involves:

(1) Clearing and grubbing right-of-way;
(2) 12,500 cu. yds. rdwy. excav., unclass.;
(3) 9300 cu. yds. imported borrow;
(4) 700 cu. yds. structure excavation
(5) 41,000 sta. yds. overhaul;
(6) 5000 sq. yds. subgrade for pavement;
(7) 4700 tons asphalt concrete;
(8) 7500 sq. yds. asph. paint binder;
(9) 175 cu. yds. Class A. Portland cement concrete (structures);
(10) 575 cu. yds. remove and dispose of concrete in existing pavement and structures;
(11) 20 cu. yds. concrete removed from existing bridge;
(12) 21,200 lbs. bar reinforcing steel (structures);
(13) 0.25 mile new property fence;
(14) 1.05 miles existing property fence to be moved and reset;
(15) 6 each timber culvert markers;
(16) 3 each spillway assemblies;
(17) 2 each concrete joints;
(18) 228 tons fuel oil;
(19) 8 each gates;
(20) 1150 M. gals water;
(21) 20,100 sq. yds. mixing fuel oil and earth material;
(22) 1225 tons crushed gravel or stone borders;
(23) 550 cu. yds. salvaged oil treated earth shoulders;
(24) 128 lin. ft. solid timber guard rail (structures);
(25) 82 lin. ft. concrete pipe, clean and relay;
(26) 32 lin. ft. 24-in. extra strength reinforced concrete pipe;
(27) 34 lin. ft. 8-in. C.M.P.;
(28) 142 lin. ft. 18-in CMP;
(29) 32 li ft. 36-in. C.M.P. close riveted and soldered;
(30) 55 stations finishing roadway;
(31) 12 each monuments, complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until October 8, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Court House, San Jose, for the improvement of Blaney Ave. by laying an oil macadam base and oiling roadway.

Plans and specifications obtainable from County Surveyor Robt. B. Chandler at a charge of $1.00.

CONTRACT AWARDED

TEHAMA COUNTY, Calif.—Tiffany Const. Co., 535 N. 7th St., San Jose, at $25,097 awarded contract by the Bureau of Public Roads, Sheldon Bldg. San Francisco, for placing a crushed gravel base course on Section B of the Southwest approach to Lassen Volcanic National Park, Lassen National Forest, Tehama County, a length of 4.911 miles.

CONTRACT AWARDED

BENTON FIELD, Alameda Co., Cal. —N. M. Ball, 1889 Yosemite Road, Berkeley, at $48,134 awarded the contract by the Constructing Quartermaster, Fort Mason, under Spec. No. 2 6757 35-1, for placing concrete surfacing on roads and paved areas at Benton Field Air Depot, Alameda.

BIDS OPENED

SONOMA COUNTY, Cal.—Hellwig Constr. Co., Sebastopol, at $2.29 per bbl., total $4236.50 submitted low bid to the Department of Public Works, Division of Highways, J. H. Skeggs, District Engineer, State Bldg., San Francisco, for about 39.4 miles of existing roadbed to be treated with fuel oil in Sonoma County, between Jenner and Mendocino County Line. The work requires 1850 bbls. heavy fuel oil.

Complete bids follow:

Hellwig Constr. Co., Sebastopol, $2.29 $4236.50.
Chas. Kuppinger, Lakeport, $2.34; $4320.
C. F. Frederickson & Sons, Lower Lake, $2.39; $4421.50.
E. A. Forde, San Anselmo, $2.85; $5,272.50.
Hayward Bldg. Maintenance Co., Hayward, $3.24; $5994.

CONTRACT AWARDED

SANTA CLARA COUNTY, Calif.—Irving L. Ryder, P. O. Box 265, San Jose, at $7,009 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Maude Ave. from Mountain View to Alviso Road to California Ave. in Supervisor District No. 5. The work involves 136-200 sq. ft. of oil macadam surfacing.

Complete bids follow:

Irving L. Ryder, San Jose.....$7,009
A. J. Raisch Co., San Jose..... 7,089
L. F. Piazza, San Jose..... 7,500

BIDS WANTED

KILCKITAT COUNTY, Wash.—Until October 9, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Washington, for surfacing with crushed stone, stockpiling oil rock, and constructing a bituminous mat by the Bituminous Macadam method on about 2.7 miles and stockpiling oil rock only for about 3.9 miles, of State Road No. 8, Yakima-Klickitat County LAne to Reservation Boundary, U. S. P. W. Project No. FLEC-3, in Klickitat County.

The work involvesh abount 13,970 cu. yds. of crushed stone surfacing; 8440 cu. yds. of crushed stone; oil rock; 23.5 tons bituminous cement cutback asphalt RC-4 and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

LEWIS COUNTY, Wash. — Until October 9, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Washington, for clearing, grading and surfacing with crushed stone about 3.9 miles of the County road between Riffe and Morton, U. S. P. W. Project NRS-198-A, in Lewis County.

The work involves about 9 acres of clearing; 26,910 cu. yds. of excavation; 7090 cu. yds. of crushed stone surfacing; 579 lin. ft. of pipe culvert; constructing a frame trestle 80 ft. long; and other items.

Plans and specifications obtainable from above office upon deposit of $2.

CONTRACT AWARDED

KERN COUNTY, Cal.—C. W. Wood, Box 49, Stockton, at $42,579 awarded contract by the State Highway Commission, Sacramento, for about 9.3 mi. in length to be surfaced with bituminous treated selected material in Kern County between westerly boundary and 2.4 miles south of Mariopa.

September 21, 1934

CONTRACT AWARDED

APACHE COUNTY, Arizona.—R. C. Tanner and W. E. Hall Co., 525 Title & Trust Bldg., Phoenix, at $15,812 awarded contract by the Brueau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a base course on 4.1 miles of Section B2 of Route 1, Petrified Forest National Monument, Apache County, Ariz.

CONTRACT AWARDED

COCONINO COUNTY, Ariz. — Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $10,214.50 awarded contract by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing seal coat on 17.199 miles of Section D of the South Approach to Grand Canyon National Park, Coconino County, Ariz.

BIDS WANTED

PLACER COUNTY, Cal.—Until Oct. 1, 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore District Engineer, Hotel Marysville, for about 0.6 mile to be surfaced with bituminous treated crushed gravel or stone in Roseville, Placer County, between Church St. and the northerly city limits.

The work involves:

(1) 670 c.y. rdwy. excav., unclass.;
(2) 2,050 sta. yds. overhaul;
(3) 55 c.y. structure excavation;
(4) 700 tons crusher run base;
(5) 17 barrels fuel oil;
(6) 7,000 sq. yds. emulsified asphalt paint binder;
(7) 970 tons crushed gravel or stone (bituminous treated surfacing);
(8) 50 tons cut-back asphalt do;
(9) 50 c.y. concrete in existing pavement and structures removed and disposed of;
(10) 40 M. gals. water;
(11) 150 l.f. existing culvert pipe removed and salvages;
(12) 50 l.f. salvaged pipe cleaned and relaid;
(13) 6 ea.. manholes adjusted to grade;
(14) remove and salvage railroad spur track;
(15) 33 stations finishing roadway.

Plans and specifications obtainable from the above office. The cost of 13 sheets, cross sections and three sheets layouts, is $1.60 and a check for that amount should accompany the order to the above office.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until Oct. 1, 10 A. M., as previously reported, bids will be received by the Sacramento County Board of Supervisors, Wm. H. Young, County Clerk, Room 201, Court House, Sacramento, for the construction of an emulsified asphalt retread surface on the Elk Grove-Sloughhouse Road.

The work involves:

(1) 557 tons coarse screenings;
(2) 84 tons medium screenings;
(3) 116 tons fine screenings;
(4) 27 tons mixing grade emulsified asphalt;
(5) 38 tons penetration grade emulsified asphalt.

Plans and specifications obtaiable from County Engineer John J. Rooney upon deposit of $10.00.

BIDS WANTED

SAN ANSELMO, Marin Co., Cal.—Until Ostober 9, 8 P. M., bids will be received by the San Anselmo City Council, Donald Wood, Superintendent of Streets, for paving, etc., on Redhill Ave. and Sir Francis Drake Blvd.

The work involves:

(1) 50,000 sq. ft. emulsified asphalt full penetration pavement;
(2) 3,600 sq. ft. emulsified asphalt conform built-up present pavement;
(3) 110 l.f. concrete curb.

Specifications obtainable from the Superintendent of Streets.

NO BIDS RECEIVED

SEBASTOPOL, Sonoma Co., Calif.—No bids were received by Analy Union High School District for grading site for the proposed new high school in Sebastopol. New call will be included in the advertisement for bids for the construction of the new high school building upon approval of bond sale proceedings by the Attorney General.

BIDS WANTED

CLARK AND LINCOLN COS., Nev.—Until Oct. 10, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of an asphaltic roadmix surface in Clark and Lincoln Counties between Glendale and Maynard Lake, a length of 49.78 miles.

The work involves:
(1) 4,000 c.y. excavation;
(2) 6 655 c.y. filler;
(3) 735,915 gals. asph. road material, Type SC-2;
(4) 73,007 gals. do. Type MC-2;
(5) 49.78 miles roadmix;
(6) 49.78 miles finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5.00, $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

CONTRACT AWARDED

PIERCE COUNTY, Wash. — Babler Bros., 2407 N.W. 28th Ave., Portland, at $78,450 awarded contract by Bureau of Public Roads, Portland, for 15.515 miles of surfacing in the Mt. Rainier National Park, White River Road, NR 3-A, B1, B2, B3, bituminous macadam. National Park Road Project located within the Mt. Rainier National Park, Pierce County, Wash.

WHITE PINE CO., Nev.—Until Oct. 10, 2:15 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in White Pine County between Preston and the junction with Route 4, a length of 7.35 miles.

The work involves:
(1) 50 acres clearing and grubbing;
(2) 239 l.f. remove culvert pipe;
(3) 60 c.y. remove concrete;
(4) 32,500 c.y. rdwy. excav.;
(5) 12,034 sta. yds. overhaul;
(6) 8,695 c.y. select borrow;
(7) 600 c.y. struc. excavation;
(8) 7.35 miles subgrade;
(9) 7.35 miles finish roadway;
(10) 23,200 tons crush. gravel or stone surface;
(11) 57 c.y. Class B concrete;
(12) 1,200 lbs. reinforcing steel;
(13) 288 l.f. 15-in. CMP;
(14) 502 l.f. 18-in. CMP;
(15) 656 l.f. 24-in. CMP;
(16) 134 l.f. 30-in. CMP;
(17) 180 l.f. 36-in. CMP;
(18) 190 l.f. 48-in. CMP;
(19) 72 l.f. relay culvert pipe;
(20) 36 each monuments.

Plans and specifications obtainable from the above office upon deposit of $5.00, $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS WANTED

CLARK COUNTY, Nev.—Until Oct. 10, 2:00 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Clark County between three miles southwest of Apex and Apex, Route 6, Section D1, a length of 2.71 miles.

The work involves:
(1) 19 acres clearing and grubbing;
(2) 53,200 c.y. rdwy. excav.;
(3) 200 c.y. struc. excav.;
(4) 4,160 c.y. select borrow;
(5) 2.89 miles salvage and relay surf.,
(6) 2.71 miles subgrade;
(7) 10,700 tons crush. gravel or stone surface;
(8) 7 each remove culvert headwalls;
(9) 13 c.y. Class B concrete;
(10) 260 lbs. reinforcing steel;
(11) 350 l.f. 18-in. CMP;
(12) 178 l.f. 24-in. CMP;
(13) 44 l.f. 30-in. CMP;
(14) 98 l.f. 36-in. CMP;
(15) 138 l.f. remove culvert pipe;
(16) 42 l.f. relay culvert pipe;
(17) 30 c.y. hand laid riprap;
(18) 18 each monuments;
(19) 49,466 gals. asph. road material, Type SC-2;
(20) 4,355 gals do. Type MC-2;
(21) 2.71 miles roadmix;
(22) 2.71 miles finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5.00, $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

CONTRACT AWARDED

MARIN COUNTY, Cal.—E. A. Forde 640 Redhill Ave., San Anselmo, at $5,704.97 submitted low bid and awarded contract by the Marin County Board of Supervisors, San Rafael, for applying armor coat to various streets in Tamalpais Valley, Homestead and Mill Valley and resurfacing various streets in Homestead.

Lee J. Immel, Berkeley, at $5,876.35 submitted the only other bid.

Bids were taken as follows:
(1) furnishing and spreading light oil (283 barrels);
(2) furnishing and spreading heavy oil (113 tons);
(3) furnishing, spreading and hauling rock (1,085 tons);
(4) Do screenings (542 tons).

Unit bids follow:

E. A. Forde. (1) $1.50; (2) $15.15; (3) $2.16; (4) $2.26.

Lee J. Immel. (1) $1.60; (2) $15.60; (3) $2.25; (4) $2.25.

BIDS WANTED

LANE OUNTY, Ore.—Until Oct. 10, 10 A. M., bids will be received by the Bureau of Public R'ds, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Willamette Highway grading and advance clearing project NR-21-H, National Forest Road Project, located within the Willamette National Forest, Lane County, Ore.

The length of the project is approximately 2.317 miles grading, and 0.985 mile of additional advance clearing, and involves:
(1) 55 acres clearing;
(2) 27 acres grubbing;
(3) 241,600 c.y. unclass. excav.;
(4) 350,000 sta. yds. overhaul;
(5(2.317 miles finishing earth graded road;
(6) 80 each dangerous trees and snags
(7) 8 acres roadside cleanup;
(8) 16,000 c.y. mi. cushion haul;
(9) 110 c.y. Class A concrete (alt.);
(10) 11,000 lbs. reinf. steel (alt.);
(11) 350 l.f. 30-in. reinf. conc. pipe;
(12) 500 l.f. culverts (alt.);
(13) 2,000 c.y. loose riprap;
(14) 700 c.y. hand laid riprap;
(15) 120 l.f. 30-in. extra strength reinforced concrete pipe;
(16) 10,000 c.y. overrun in slides and overbreakage;
(17) 4,800 l.f. rounding of cut slopes.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

BERKELEY, Cal.—Until October 9, 10 A. M., bids will be received by Berkeley City Council for improving Shattuck Avenue between Bancroft and Carlton Sts. Project involves:
(1) 16,000 sq. ft. grading;
(2) 10 cu. yds. grading below subgrade
(3) 13,700 sq. ft. asphalt concrete pavement;
(4) 1000 sq. ft. resurfacing;
(5) 225 lin. ft. concrete curb;
(6) 2 junction boxes to be reconstructed.

Plans and specifications may be obtained from City Engineer, upon deposit of $10.

BIDS WANTED

PLUMAS COUNTY, Cal.—Until Oct. 17, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 2.5 miles of grading in Plumas County between Rock Creek and Storrie. The work involves:
(1) 25 acre clear and grub right of way;
(2) 156,000 c.y. rdwy. excav., unclass.
(3) 375,000 sta. yds. overhaul;
(4) 3,650 c.y. struc. excav.;
(5) 20 c.y. Class A Portland cement concrete (structures);
(6) 1,400 lbs. bar reinf. steel (struc.);
(7) 40 l.f. 12-in. CMP;
(8) 608 l.f. 18-in. CMP;
(9) 98 l.f. 24-in. CMP;
(10) 52 l.f. 30-in. CMP;
(11) 164 l.f. 36-in. CMP;
(12) 44 l.f. 48-in. CMP;
(13) 2,325 c.y. rubble masonry;
(14) 120 stations finishing roadway;
(15) 53 each monuments complete in place.

Plans and specifications obtainable from above office and on file at the offices of the District Engineers in San Francisco and Los Angeles, and the district in which the work is situated.

BIDS OPENED

LINN COUNTY, Oregon—F. H. Slate, Multnomah, Oregon, at $108,510 submitted low bid to the Bureau of Public Roads, Portland. September 19, for constructing or improving the Santiam Highway Grading Project FHEC 23-Hi, I, National Forest Rd. Project, located within the Willamette National Forest, Linn County. Complete bids follow:

F. H. Slate, Multnomah	$108,510.00
James Borin, Portland	117,584.70
C. L. Creelman, Seattle	119,122.00
Berke Bros., Portland	120,826.70
J. A. Lyons, Portland	125,797.30
E. C. Hall, Eugene	136,344.20
Myers & Goulter, Seattle	137,744.40
Colonial Const. Co., Spokane	141,737.50
Kern & Kibbe, Portland	147,828.00
Guthrie-McDougall Co. Port	149,297.80
Earl L. McNutt, Eugene	172,831.60

CONTRACT AWARDED

SANTA CLARA COUNTY, Calif.—Union Paving Co., 624 Call Bldg., at $14,495 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the improvement of Brokaw Road in Supervisor District No. 4. The work involves 119,375 sq. ft. of asphalt concrete pavement.

A. J. Raisch Co., San Jose, at $15,700 submitted the only other bid.

BIDS OPENED

PIERCE COUNTY, Wash.—Elliot & Co., Insurance Bldg., Seattle, at $19,470 submitted low bid and recommended for award of contract by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, Sept. 21, for constructing or improving the Mount Rainier Nat'l Park, East Side Highway Project PEC-5-D Clearing, National Park Road Project, located within the Mt. Rainier National Park, Pierce County, Wash.

Complete bids follow:

Elliott & Co., Seattle	$19,470
West Coast Const. Co., Seattle	22,935
J. D. Harms, Seattle	24,420
R. E. Moore, Seattle	28,050
L. Romanu Engr. Corp., Seattle	28,050

BIDS OPENED

LINN COUNTY, Ore.—Slate Const. Co., Albany, Oregon, at $43,182 (C. G. M. P.) submitted low bid and recommended for award of contract by the Bureau of Public R'ds, 316 New Post-office Bldg., Portland, Sept. 21, for constructing or improving the North Santiam Highway Grading Project FHEC-24-F1, National Forest Road Project, located within the Willamette National Forest, Linn Co., Ore.

Complete bids follow:

Slate Const. Co., Albany (Concrete pipe) $44,002; (CGMP Pipe) $43,182.

Fred H. Slate, Multnomah, $43,418; $43,246.

C. O. Creelman, Seattle, $45,690; $44-434.

Colonial Const. Co., Spokane, $44,-793; $44,573.

J. A. Lyons, Portland, $46,652; $46,-322.

James Borin, Portland, $47,730; $57,-522.

United Const. Co., Portland, $48,-321; $47,947.

J. C. Papin, Carson, Wash., $48,-944; $48,440.

Coos Bay Const. Co., $49,391; $49,281.

Kern & Kibbe, Portland, $56,891; $56-583.

Guthrie - McDougall, Portland, $58,-146; $57,640.

G. I. Stebbins Const. Co., Klamath Falls, $64,263; $63,411.

Earl L. McNutt, Eugene, $65,471; $65,367.

BIDS WANTED

CHELAN COUNTY, Wash.—Until October 5, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Stevens Pass Highway Reconstruction Grading and Advance Clearing Project NR-8-A4, National Forest Road Project, located within the Wenatchee National Forest, Chelan County, Washington.

The length of the project is approximately 1.5818 miles grading, and 3.163 miles clearing and the work involves:

(1) 38 acres clearing;
(2) 12 acres grubbing;
(3) 113,500 cu. yds. unclassified excavation;
(4) 80,000 sta. yds. overhaul;
(5) 1.5818 mi. finishing earth graded road;
(6) 6000 cu. yds. mi. overhaul;
(7) 7000 lin. ft. rounding cut slope;
(8) 8 acres roadside cleanup;
(9) 50 cu. yds. Class A concrete;
(10) 850 lin. ft. reinf. concrete pipe;
(11) 250 lin. ft. 18-in. reinf. concrete pipe, extra strength;
(12) 50 each dangerous trees and snags;
(13) 5000 cu. yds. overruns in slides and overbreakage;

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

GRANT COUNTY, Oregon — Until October 5, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Canyon City-Burns Reconstruction Grading Project FHEC-35-A-2, National Forest Road Project, located within the Malheur National Forest, Grant County. The length of the project is approximately 1.432 miles, and the work involves:

(1) 15 acres clearing;
(2) 10 acres grubbing;
(3) 126,220 cu. yds. unclassified excavation;
(4) 200,000 sta. yds. overhaul;
(5) 1.432 mi. finishing earth graded road;
(6) 10 MFBM treated timber box culverts;
(7) 220 lin. ft. culverts (alternate);
(8) 500 lin. ft. 18-in. reinf. concrete pipe, extra strength, in place;
(9) 400 cu. yds. loose rip rap.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

SKAMANIA COUNTY, Wash.—Until Oct. 3, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Wind River Highway Reconstruction and Subgrade Reinforcement Project 30-A4, B1, National Forest Road Project, located within the Columbia National Forest, Skamania County, Washington. The work involves:

(1) 17,400 cu. yds. unclassified excav.
(2) 55,000 sta. yds. overhaul;
(3) 6500 cy. yds. sugbrade reinf. in place;
(4) 2.6 mi. finishing earth graded rd.
(5) 35 cu. yds. Class A concrete;
(6) 2500 cu. yds. loose riprap in place;
(7) 1000 cu. yds. binder;
(8) 2000 cu. yds. salvaging of surf.;
(9) 3 acres roadside cleanup.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

FERRY COUNTY, Wash. — Until October 5, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Post Office Building, Portland, W. H. Lynch, District Engineer, for constructing or improving the Republic-Kettle Falls Surfacing Project NR-20-A1, B1, National Forest Road Project, located within the Colville National Forest(Ferry County, Washington.

The length of the project is approximately 7.137 miles (including Wye), and involves:

(1) 2000 cu. yds. unclassified excavation;
(2) 2200 cu. yds. subgrade reinf. in place;
(3) 7.137 mi. fine grading subgrade and shoulders;
(4) 15,600 tons crushed rock or crushed gravel, bottom course;
(5) 16,000 tons do, top course;
(6) 750 tons, supplemental do.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

STATE OF NEVADA—Until Oct. 2, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for the following station work on Section A of Federal Lands Project No. 7, Charleston Park Road, Nevada, involving approximately 84 tons furnishing and applying liquid asphaltic road material, Type MC-2.

Plans and specifications obtainable from above office and on file at the resident engineer's office at Beckley Bldg., Las Vegas, Nevada.

CONTRACT AWARDED

PIERCE COUNTY, Wash.—Joseph Warter, Sr., 631 N. Fife St., Tacoma, at $29,362 submitted low bid and was awarded contract by L. V. Murrow, Director of Highways, Olympia, Sept. 25, for widening about 1.6 miles of State Road No. 5 with 10 ft. of Portland cement concrete pavement bet. S. 96th St. and S. 72nd St., in the City of Tacoma, U. S. P. W. Project NRM 159-C (1935) in Pierce County.

Complete bids follow:

Joseph Warter, Sr., Tacoma	$29,362
Paine & Gallucci, Tacoma	29,818
Anderson & Liljeheck, Tacoma	31,965
H. J. Adler Co., Tacoma	33,734
Queen City Constr. Co., Seattle	33,734
Goetz & Brennan, Seattle	35,547

BIDS WANTED

NAPA, Napa Co., Cal.—Until Oct. 8, 7:30 P. M., bids will be received by the Napa City Council, Whitfield Griffiths, City Clerk, for the improvement of one block on Palmer Street, between Wilson and Seminary Sts., by grading, paving with bituminous treated rock (40-ft. wide between curbs) and constructing cement concrete curbs.

Plans and specifications on file at the City Clerk's Office.

H. A. Harrold, City Engineer.

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RATES: $2 to $4

RAY MAXWELL, Manager

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Rock-Sand-Gravel-Plaster
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Lath-Lime Putty-Reinforcing Steel

656 S. Los Angeles St. Los Angeles, Calif

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

PLUMAS COUNTY—Almanor Highway Grading—(Govt.)

PLUMAS COUNTY, Cal.—Frank C. Cuffe, Box 441, San Rafael, at $85,481.-92 submitted low bid and recommended for award of contract by the U. S. Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 20, the Almanor National Forest Highway in Plumas National Forest, Plumas Co.

The work involves:

(1) 29 acres clearing;
(2) 157,000 c.y. unclass. excav.;
(3) 1,000 c.y. do. for structures;
(4) 200,000 sta. yds. overhaul;
(5) 16,000 c.y. mi. overhaul;
(6) 380 l.f. perforated CMP in place;
(7) 6 l.f. 8-in. CMP asph. dipped do;
(8) 558 l.f. 18-in. do;
(9) 1,202 l.f. 24-in. do;
(10) 116 l.f. 30-in. do;
(11) 370 l.f. 36-in. do;
(12) 60 l.f. 48-in. 18-ga. do;
(13) 134 l.f. 48-in. 8-ga. do;
(14) 1 Type A spillway inlet;
(15) 4 c.y. Class A concrete;
(16) 75 c.y. Class B concrete;
(17) 800 lbs. reinforcing steel;
(18) 95 c.y. crushed rock or gravel for backfill;
(19) 72 each right of way monuments;
(20) 47 each culvert markers;
(21) extra work, removing channel obstruction;
(22) extra work, maintenance of existing roadway.

Total bids follow:

(A) Frank C. Cuffe, San Rafael, $85-481.92.
(B) Young & Son Co., Berkeley, $88-534.75.
(C) Harms Bros., Sacramento, $92,-522.00.
(D) A. Teichert & Son, Sacramento, $93,744.00.
(E) Granfield-Farrar & Carlin, San Francisco, $96,732.30.
(F) Bodenhamer Const. Co., Oakland $96,865.50.
(G) Peninsula Paving Co., San Francisco, $99,590.00.
(H) United Cont. Co., Portland, Ore. $109,822.30.
(I) Engineer's estimate, $105,962.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1).....	$400.00	$300.00	$600.00	$350.00	$400.00	$500.00	$535.00	$350.00	$300.00
(2).....	.35	.40	.35	.42	.43	.40	.415	.50	.50
(3).....	1.25	1.00	1.25	1.50	1.00	1.50	1.50	1.35	1.50
(4).....	.01	.01	.01	.01	.01	.01	.01	.02	.01
(5).....	.15	.12	.25	.16	.16	.20	.16	.19	.20
(6).....	1.07	1.00	1.00	1.25	.95	1.00	1.00	1.00	1.00
(7).....	1.28	1.00	1.00	1.25	1.10	1.00	1.00	1.25	.90
(8).....	1.95	1.75	2.00	2.00	1.75	2.00	1.75	1.95	1.75
(9).....	2.97	2.50	3.00	3.00	2.60	2.75	2.75	2.90	2.75
(10).....	3.75	3.25	3.75	3.50	3.20	3.75	3.50	3.65	3.50
(11).....	5.68	4.75	4.50	5.25	4.90	5.50	5.40	5.00	4.50
(12).....	7.91	7.00	8.00	7.50	6.85	8.00	8.00	6.90	6.50
(13).....	11.60	11.00	10.00	10.50	9.95	9.00	11.25	9.50	8.00
(14).....	15.00	15.00	20.00	13.00	20.00	20.00	18.00	20.00	20.00
(15).....	25.00	26.00	30.00	25.00	25.00	28.00	29.00	30.00	30.00
(16).....	25.00	26.00	28.00	20.00	25.00	28.00	28.00	27.00	28.00
(17).....	.08	.06	.08	.08	.07	.10	.06	.08	.10
(18).....	4.00	4.00	4.00	2.50	4.00	4.00	3.00	4.00	3.50
(19).....	3.00	3.00	3.00	3.50	3.00	3.00	3.00	3.25	3.00
(20).....	2.00	2.25	2.00	2.50	2.50	2.00	2.50	2.50	2.00
(21).....	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(22).....	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00

ELKO COUNTY, NEV. — Wells Overpass — (State)

ELKO COUNTY, Nev.—N. M. Ball, 1889 Yosemite Road, Berkeley, at $44,-716.30, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, Sept. 19, for the construction of an overpass over the Southern Pacific Railway at Wells in Elko County, Route 13, Section C1, a length of 0.43 mile.

The work involves:

(1) 50 c.y. rdwy. excav.;
(2) 50,393 c.y. select borrow;
(3) 270 c.y. structure excavation;
(4) 0.4 mile subgrade;
(5) 1,300 c.y. crushed stone or gravel surface;
(6) 4 each move pipe culvert headwalls;
(7) 118 l.f. 24-in. CMP;
(8) 210 c.y. Class A concrete;
(9) 230 c.y. Class D concrete;
(10) 34,000 lbs. structural steel;
(11) 88,000 lbs. reinforcing steel;
(12) 1,664 l.f. guard rail;
(13) 8 each monuments;
(14) 0.43 mile finish roadway.

Total bids follow:

(A) N. M. Ball, Berkeley, $44,716.30.
(B) Hoops Const. Co., Twin Falls, Ida. $45,600.92.
(C) Gibbons & Reed, Burbank, Calif., $45,996.76.
(D) Dodge Const., Inc., Fallon, $47,-265.71.
(E) Utah Const. Co., Ogden, $47,739.65
(F) Olof Nelson, Logan, $49,440.50.
(G) James J. Burke & Co., Salt Lake City, $54,846.89.
(H) Engineer's estimate, $45,681.95.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1).....	$ 1.00	$ .50	$ .35	$ 1.00	$ .50	$ 1.00	$ 1.00	$ .50
(2).....	.385	.44	.52	.47	.45	.50	.53	.45
(3).....	1.50	1.00	.80	1.50	1.00	2.00	.90	1.50
(4).....	100.00	100.00	100.00	250.00	125.00	500.00	300.00	100.00
(5).....	1.50	1.50	.95	1.50	.90	2.00	1.40	1.00
(6).....	10.00	10.00	22.00	12.50	12.50	20.00	12.00	10.00
(7).....	2.00	3.00	2.85	3.50	3.35	2.50	2.80	3.50
(8).....	28.00	23.50	18.80	22.50	27.00	24.00	26.00	24.00
(9).....	34.00	24.50	23.25	27.50	30.00	24.00	27.00	26.00
(10).....	.08	.08	.075	.07	.09	.08	.25	.07
(11).....	.05	.065	.055	.06	.065	.06	.0525	.06
(12).....	1.00	1.00	.65	1.00	1.00	1.00	.40	.90
(13).....	3.00	4.00	3.50	3.00	3.00	5.00	2.50	5.00
(14).....	200.00	100.00	150.00	500.00	150.00	500.00	120.00	150.00

COMPLETE BID LISTING

GILA CO., Ariz.—Skousen Bros., Albuquerque, N. M., at $43,694, as previously reported, submitted low bid to the Bureau of Public Roads, Phoenix, for grading 3.046 miles of Section B of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County, Ariz.

Complete bids follow:

(A) Skousen Bros., Albuquerque, $43,-694.00.
(B) N. G. Hill & Co., Phoenix, $43,-860.75.
(C) H. J. Hagen, Globe, $44,109.25.
(D) Engineer's estimate, $37,432.35.

Unit quantities follow:

(1) 10 acres clearing;
(2) 17,000 c.y. unclass. excav.;
(3) 855 c.y. do for structures;
(4) 4,000 sta. yds. overhaul;
(5) 3.032 miles finishing earth graded road;
(6) 512 l.f. 18-in. CMP;
(7) 70 l.f. 24-in. do;
(8) 90 l.f. 30-in. do;
(9) 90 l.f. 36-in. do;
(10) 54 l.f. 48-in. do;
(11) 40 l.f. 60-in. do;
(12) 27 c.y. Class A concrete;
(13) 85 c.y. Class D concrete;
(14) 22,700 lbs. reinforcing steel;
(15) 473 c.y. cement rubble masonry;
(16) 1.43 MFBM untreated timber;
(17) 238 c.y. hand laid riprap;
(18) 11,500 l.f. Type I protection ditch;
(19) 12 each right of way monuments;
(20) 6,600 l.f. new fence;
(21) 2 each farm entrance gates;
(22) 1 each cattle guard.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)....	$250.00	$250.00	$400.00	$150.00
(2)....	.75	.85	1.00	.80
(3)....	1.50	2.00	2.00	2.00
(4)....	.04	.05	.10	.04
(5)....	500.00	50.00	250.00	150.00
(6)....	3.00	2.50	2.00	1.85
(7)....	3.50	3.50	3.00	2.50
(8)....	5.00	4.00	4.00	3.40
(9)....	6.00	6.00	6.50	5.00
(10)....	8.00	8.50	8.50	8.40
(11)....	12.00	15.00	15.00	11.40
(12)....	40.00	35.00	30.00	35.00
(13)....	60.00	35.00	30.00	35.00
(14).....	.10	.085	.10	.06
(15)....	20.00	22.00	15.00	18.00
(16)....	100.00	150.00	100.00	120.00
(17)....	2.00	5.00	4.00	2.00
(18)....	.15	.10	.15	.10
(19)....	5.00	5.00	4.00	3.00
(10)....	.10	.10	.10	.15
(21)....	20.00	30.00	25.00	25.00
(22)....	550.00	775.00	700.00	550.00

Rejection of all bids is recommended by the Bureau.

BIDS OPENED

HUMBOLDT COUNTY, Cal.—Hemstreet & Bell, 501 11th St., P. O. Box 550, Marlsville, at $52,773.50 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading and constructing a bridge on Section B of Route 51, the Hoopa National Forest Highway, Trinity National Forest, Humboldt County a length of 0.571 miles, involving:

(1) 28,500 cu. yds. unclass. excav.;
(2) 790 cu. yds. do for structures;
(3) 94,000 sta. yds. overhaul;
(4) 0.515 mi. finish earth graded rd;
(5) 50 cu. yds. hand-laid embankment;
(6) 240 lin. ft. 8-in asph dipped C. G. M. P.;
(7) 40 lin. ft. 12in. do;
(8) 58 lin. ft. placing Government furnished 18-in. C. G. M. P.;
(9) 2 each Type A spillway inlets;
(10) 80 lin. ft. 4-in. asph. dipped

standard steel pipe;
(11) 210 lin. ft. 16-in. 12-ga. asph. dipped welded steel pipe;
(12) Pipe line accessories (lump sum)
(13) 88 MFBM untreated lumber;
(14) 110 cu. yds. Class A concrete;
(15) 81 cu. yds. Class B concrete;
(16) 174 cu. yds. Class D concrete;
(17) 33,500 lbs. reinforcing steel;
(18) 48,000 lbs. structural steel;
(19) 4 water barels;
(20) 8 right-of-way monuments;
(21) Extra worwk, concrete inlet for pipe line;
(22) Extra work, maintenance of existing roads, detours, and approach roads.

Complete bids follow:
(A) Hemstreet & Bell, Marysville, $52,773.50.
(B) A. Soda & Son, Oakland, $54,-748.07.
(C) Mercer-Fraser Co., Eureka, $56,-831.80.
(D) Harms Bros., Sacramento, $57,-495.80.
(E) Engineer's Estimate, $43,782.05.

	(A)	(B)	(C)	(D)	(E)
(1)..	$ .65	$ .736	$ .70	$ .75	$ .45
(2)..	2.50	1.97	2.50	1.50	1.50
(3)..	.02	.007	.03	.01	.02
(4)..	500.00	690.00	500.00	400.00	250.00
(5)..	4.00	8.00	5.00	5.00	4.50
(6)..	1.50	1.25	1.50	1.10	1.00
(7)..	2.00	1.52	2.00	1.50	1.20
(8)..	.50	.24	.60	.60	.60
(9)..	30.00	15.00	25.00	20.00	20.00
(10)..	.60	.91	.50	1.50	.60
(11)..	2.50	2.95	2.25	3.00	2.00
(12)..	100.00	230.00	125.00	150.00	150.00
(13)..	95.00	102.00	100.00	100.00	90.00
(14)..	25.00	20.27	27.50	27.00	23.00
(15)..	25.00	17.00	25.00	27.00	20.00
(16)..	20.00	20.70	20.00	25.00	23.00
(17)..	.05	.0566	.05	.06	.065
(18)..	.07	.0704	.08	.08	.065
(19)..	15.00	15.00	12.00	15.00	40.00
(20)..	3.00	4.00	3.00	3.00	3.50
(21)..	300.00	300.00	300.00	300.00	300.00
(22)..	200.00	200.00	200.00	200.00	200.00

Two bids submitted were not read because they were not accompanied by an NRA compliance certificate.

All bids held under advisement.

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COMPLETE BID LISTING

LINCOLN COUNTY, Nevada—Olof Nelson, Lagon, Utah, at $32,811.55, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, Septembe 19, for construction of an asphaltic roadmix surface on a portion of the State Highway System in Lincoln County, Route 7, Section A2, between 26 miles north of the south county line and Alamo, a length of 14.38 miles, involving:
(1) 237,336 gals. asph. road material, Type SC-2;
(2) 21,097 gals. asph. road material, Type MC-2;
(3) 14.38 miles roadmix;
(4) 14.38 miles finish roadway.

Total bids follow:
(A) Olof Nelson, Logan, Utah, $32,-811.55.
(B) U. B. Lee, San Leandro , $37,-709.52.
(C) Dodge Constr. Co., Inc., Fallon, $40,046.51.
(D) Engineer's Estimate, $34,385.21.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$ .08	$ .101	$ .11	$ .10
(2).....	.11	.14	.15	.13
(3).....	700.00	650.00	650.00	500.00
(4).....	100.00	100.00	100.00	50.00

COMPLETE BID LISTING

LYON COUNTY, Nev.—Geo. French, Jr., P. O. Box 107, Stockton, at $22,-404.61, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, Sept. 19, for the construction of an asphaltic roadmix surface on a portion of the State Highway System in Lyon County, between Yerington and Wabuska, Route 28, Section A, a length of 12.12 miles.

The work involves:
(1) 221,998 gals. asphaltic road material, Type SC-2;
(2) 19,536 gals do, Type MC-2;
(3) 12.11 miles roadmix;
(4) 12.11 miles finish roadway.

Total bids follow:
(A) George French, Jr., Stockton, $22,-404.61.
(B) Silver State Const. Co., Fallon, $22,488.98.
(C) C. F. Fredericksen & Sons, Lower Lake, Cali., $22,882.46.
(D) Dodge Const. Co., Inc., Fallon, $26,970.46.
(E) Engineer's estimate, $24,759.46.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .063	$ .0625	$ .067	$ .07	$ .07
(2)	.09	.10	.10	.10	.10
(3)	500.00	500.00	450.00	600.00	500.00
(4)	50.00	50.00	50.00	100.00	100.00

COMPLETE BID LISTING

CLARK & NYE COUNTIES, Nev.—George French, Jr., P. O. Box 107, Stockton, at $53,782.94, as previously reported, submitted low bid and was awarded contract by the Nevada State Highway Directors, Carson City, Sept. 19, for the construction of an asphaltic roadmix surface on a portion of the State Highway System in Clark and Nye Counties between Indian Springs and 22 miles west, Route 5, Sections H, A, and B, a length of 22 miles.

Total bids follow:
(A) George French, Jr., Stockton, Cal. $53,782.94.
(B) Jack Casson, Oakland, Cal., $57,-414.74.
(C) Dodge Const., Inc., Fallon, $57,-667.80.
(D) U. B. Lee, San Leandro, Calif., $57,759.48.
(E) Engineer's estimate, $49,766.04.

The work involves:
(1) 363,180 gals. asphaltic road material, Type SC-2;
(2) 32,289 gals. do, Type MC-2;
(3) 22.01 miles roadmix;
(4) 22.01 miles finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .095	$ .105	$ .10	$ .099	$ .09
(2)	.12	.12	.15	.13	.12
(3)	650.00	600.00	650.00	700.00	550.00
(4)	50.00	100.00	100.00	100.00	50.00

COMPLETE BID LISTING

MINERAL COUNTY, Nev.—Nevada Rock & Sand Co., 949 E 4th Street, Reno, at $65,685.82, as previously reported, submitted low bid and was awarded contract by the Nevada State Highway Directors, Carson City, Sept. 19, for the construction of a portion of the State Highway System in Mineral County between 3.3 miles west of Luning and 12.8 miles east of Hawthorne, Route 3, Sections B2 and C1, a length of 8.48 miles.

Total bids follow:
(A) Nevada Rock & Sand Co., Reno, $65,685.82.
(B) Dodge Const., Inc., Fallon, $67,-505.99.
(C) Geo. Pollock Co., Sacramento, $68-125.49.
(D) Engineer's estimate, $59,996.99.

The work involves:
(1) 22,300 c.y. rdwy. excav.;
(2) 3,483 sta. yds. overhaul;
(3) 33,650 c.y. select borrow;
(4) 980 c.y. structure excavation;
(5) 8.48 miles subgrade;
(6) 33,400 tons crush. gravel or stone surface;
(7) 75 c.y. Class B concrete;
(8) 1,300 lbs. reinforcing steel;
(9) 154 l.f. 18-in. CMP;
(10) 96 l.f. 24-in. CMP;
(11) 1,042 l.f. 36-in. CMP;
(12) 188 l.f. 24-in. vitrified pipe;
(13) 714 l.f. remove culvert pipe;
(14) 556 l.f. relay culvert pipe;
(15) 62 each move pipe culvert headwalls;
(16) 42 each remove pipe culvert do;
(17) 8.48 miles finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$ .40	$ .40	$ .40	$ .35
(2).....	.04	.03	.03	.03
(3).....	.53	.60	.60	.50
(4).....	1.00	1.50	1.50	1.00
(5).....	100.00	100.00	200.00	100.00
(6).....	.75	.70	.70	..65
(7).....	30.00	25.00	30.00	25.00
(8).....	.07	.10	.06	.07
(9).....	3.50	2.00	2.50	2.00
(10).....	3.00	3.00	3.00	3.00
(11).....	5.00	5.00	5.00	5.50
(12).....	3.00	4.00	4.00	5.00
(13).....	.50	.75	1.00	.75
(14).....	.75	.50	1.00	.50
(15).....	15.00	10.00	5.00	10.00
(16).....	10.00	5.00	3.00	5.00
(17).....	100.00	150.00	200.00	100.00

BIDS REJECTED

MADERA COUNTY, Cal.—The Bureau of Public Roads, Sheldon Bldg., San Francisco, has rejected all bids received for applying liquid asphaltic road material on Section A of Route 74, the North Fork National Forest Highway, Sierra National Forest, Madera County, as follows:
(1) 27,500 gals., (2.144 mi.) Station 5 +51.93 to Station 118+54.37.
(2) 27,500 gals. (2.144 bl.) Station 118 +54.37 to Station 231+94.

The bids were:
Hayward Building Material Co., Hayward, .08 per gal., total $2200 on each job.
Stewart & Ness, Inc., Fresno, .12 per gal., total $3300 on each job.
Engineer's estimate, .065 per gal; total, $1787.50 on each job.

CONTRACT AWARDED

LEWIS COUNTY, Wash. — A. C. Greenwood Logging Co., 3201 N.W. Front St., Portland ,at $17,376 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, Sept. 25, for grading about 1 mile of State Road No. 5, (White Pass Branch), Cortright Creek East, U. S. P. W. Project NRH 211-A in Lewis County. Complete bids follow:
A. C. Greenwood Logging Co. Portland, $17,376.
Bay Construction Co., Seattle, $19,-976.
O. A. Gordon, Seattle, $20,964.
Nelson & Hibbard, Tacoma, $21,956.
J. D. Harms, Inc., Seattle, $21,959.
Lidral Construction Co., Seattle, $22,-956.
Hallstrom & Hallstrom, Seattle, $22,-964.
West Coast Construction Co., Seattle, $29,040.
Alex Besoloff, Seattle, $31,952.

BIDS WANTED

LINCOLN COUNTY, Oregon—Until October 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, Third Floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 0.64 mile of grading, surfacing and penetration type bituminous macadam and removal of buildings from right-of-way on the Toledo Section of Corvallis-Newport Highway, U. S. P. W. Project No. NRM 150-B. The work involves approximately 24,050 cu. yds. excavation; 4500 cu. yds. roadbed topping; 2250 cu. yds. rock surfacing, and 11,500 sq. yds. penetration type bituminous macadam.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

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Unit Price Review

OBER 6, 1934

Vol. XVII—No. 40

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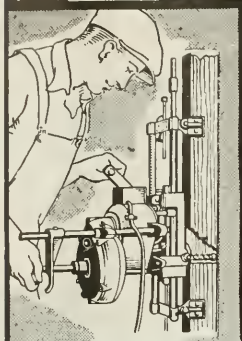

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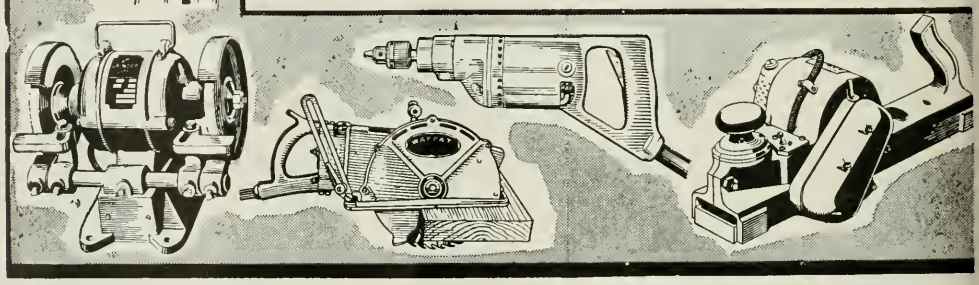

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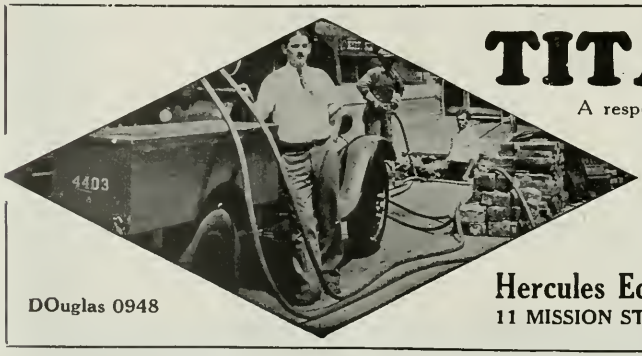

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Plans Underway on $4,000,000 Government Buildings, Treasury Dept. Report Shows

The monthly progress report on the Treasury Department building program lists fifty-four projects, for which $8,511,975 has been appropriated, in the seven far-western states. This list excludes a number of projects for which appropriations have been announced covering only those which are now under contract or for which plans have been partially or fully completed

The Treasury Department program includes post offices, federal office buildings, quarantine stations, border stations, court houses, and other government buildings.

Of the fifty-four projects listed forty-one are located in California, five in Arizona, two each in Oregon, Idaho and Nevada, and one each in Washington and Utah.

A summary of the status of projects in these seven states follows:

Projects Under Contract

Boise, Ida., Assay Office	$ 15,000
Logan, Utah	54,612
Los Angeles, Q.S.	99,768
Nogales, Ariz., I.S.	169,000
San Francisco, F.O.B.	2,899,040
Tecate, Calif., B.S.	60,000
Total	$3,567,420

Projects on which bids have been received or which are on the market:

La Jolla, Calif.	$ 59,400
Montesano, Wash.	56,300
Orange, Calif	64,900
Pittsburg, Calif.	68,200
Redondo Beach, Calif.	73,700
San Fernando, Calif.	72,600
Santa Clara, Calif.	40,000
Colton, Calif.	57,200
Hillsboro, Ore.	56,700
Rood River, Ore.	61,600
Long Beach, Calif.	81,000
Total	$ 691,600

Projects now in the specification stage:

Reno, Nev., Ct. H. & P.O.	$ 30,000
Bell, Calif.	38,300
Hollister, Calif.	45,100
N. Hollywood, Calif.	56,100
Redding, Calif.	79 200
Total	$ 248,700

Plans partially completed:

Alhambra, Calif.	$ 178,415
Anaheim, Calif.	120,000
Compton, Calif.	77,000
Ely Nevada	45,000
Hollywood, Calif.	214,500
Huntington Beach, Calif.	52,800
Inglewood, Calif.	90,000
Kingman, Arizona	44,000
Lodi, Calif.	55,000
Madera, Calif.	50,600
Montebello, Calif.	45,100
Oceanside, Calif.	55,000
Phoenix, Ariz.	635,550
Phoenix, Ariz., Ct. H.	40,000
Redwood City, Calif.	66,600
Roseville, Calif.	45,100
Salinas, Calif.	83,600
San Gabriel, Calif.	57,200
San Pedro, Calif.	568,840
San Rafael, Calif.	64,900
Santa Cruz, Calif.	115,750
Santa Monica, Calif.	130,900
South Pasadena, Calif.	63,800
Torrance, Calif.	63,800
Turlock, Calif.	63,800
Van Nuys, Calif.	57,200
Ventura, Calif.	85,800
Whittier, Calif.	71,500
Winslow, Ariz.	49,500
Burley, Idaho	89,000
Pasadena, Calif.	215,000
San Diego, Calif.	410,000
Total	$4,004,255
Grand Total	$8,511,975

Key to abbreviations: Q.S., Quarantine Station; I.S., Immigration Station B.S., Border Station; F.O.B., Federal Office Building; Ct.H., Court House.

ALTA ELECTRIC LOW ON ISLAND CONTRACT

WASHINGTON D. C., Oct. 3.—Alta Electric and Mechanical Co., 467 O'Farrell St., San Francisco, at $378,850 today submitted low bid to the Navy Department Bureau of Yards and Docks for construction of an electrical distribution system with two substation buildings and equipment at the Navy Yard, Pearl Harbor, T. H. Second low figure was submitted by C. C. Moore and Company of San Francisco, at $389,000.

CARL SWENSON LOW BIDDER ON S. CLARA DAM

Eight Contractors Offer Figures On First Unit of Valley Project

Eight contractors submitted bids yesterday on the construction of Vasona Dam and Vasona Canal, first unit of the Santa Clara Valley Water Conservation District's $2,683,000 construction program. The low bid was offered by Carl Swenson of San Jose, at $100,943. His figure was less than a thousand dollars under that of F. O. Bohnett, Campbell, second low bidder.

Five of the eight bids were more than ten thousand dollars below the engineer's estimate of $119,847 for this contract.

Complete total bids follow:

Carl Swenson, 355 Stockton Ave., San Jose	$100,943.00
F. O. Bohnett, Campbell	101,820.00
Peninsula Paving Co., S. F.	105,896.59
Fredrickson & Watson Const. Co., Oakland	106,744.09
J. D. Carlson and E. W. Heple, San Jose	108,119.46
A. Teichert & Son, Inc., Sacramento	121,279.00
Hanrahan-Wilcox Corp., San Francisco	126,195.20
T. M. Morgan Paving Co., Loomis	131,456.68
Engineer's estimate	119,847.00

Bids were opened by the directors of the district and Chief Engineer Fred H. Tibbetts in the office at San Jose yesterday morning.

Vasona Damsite is located on Los Gatos creek about one and one-half miles north of the city of Los Gatos and one mile west. The structure will be an earth fill with concrete spillway. The canal is to be constructed for a distance of approximately two and one-half miles to San Tomas Aquinas creek.

The contract is the first of a series to be let by the district within the next few months to create a system of conserving flood waters in percolation reservoirs in order to maintain a water table for wells in the agricultural district of northern Santa Clara county.

The work is financed by a bond issue of $2,000,000 and a grant of PWA funds of $683,000.

PERMIT VOLUME GAIN IN U. S. DURING AUGUST

Reports of Identical Cities Reveal 11% Increase in Number of Jobs

"There was an increase of 11.0 percent in the number, but a decrease of .9 of 1 percent in the value of buildings for which permits were issued in August as compared with July, according to reports received by the Bureau of Labor Statistics from 752 identical cities having a population of 10,000 or over," Commissioner Lubin announced.

"These permits cover building construction only. The data do not include such other types of construction as road building, river, harbor, flood control work, etc. Included with the building permit figures are the number and cost of public buildings for which contracts are awarded by Federal and State governments in cities having a population of 10,000 or over. In July the value of such public building was $2,800,476, in August $2,591,971."

The dwelling units for which permits were issued in August will provide for 2,539 families, a decrease of 2.1 percent as compared with July.

Comparing August 1934 with the corresponding month of the previous year, there was an increase of 3.8 percent in the number and an increase of 20.1 percent in the estimated cost of buildings for which permits were issued.

The number of family dwelling units provided decreased 11.1 per cent, comparing August 1934 with August of the previous year.

Permits were issued during August for the following important building projects: In Newton, Mass. for a school building to cost $275,000; in the Borough of Manhattan for apartment houses to cost over $500,000, and an institutional building to cost $3,000,000; in Indianapolis, Ind., for a public building to cost $1,000,000; in Toledo, Ohio, an amusement building to cost $340,000; in Stockton, Calif., for a deep water terminal to cost over $600,000, and in Columbia, S. C., for an office building to cost over $400,000. In Mobile, Alabama, a contract was awarded by the Treasury Department for a Federal courthouse to cost nearly $400,000.

Following are the ten leading cities, listed in the order of value of building permits issued during August, 1934:

New York City N. Y.	$9 874,527
Washington, D. C.	1,247,687
Indianapolis, Ind.	1,077,056
Los Angeles, Calif.	910,553
Detroit, Mich.	803,301
Norfolk, Va.	747,905
Philadelphia, Pa.	747,639
Boston, Mass.	688,251
Chicago, Ill.	628,988
Baltimore, Md.	627,780

Construction Authority Explains Bid Rules; Asks Order on 24-Hour Provision

The executive committee of the Construction Code Authority has approved two more explanations of competitive bidding practices under Article VII of Chapter I. Explanation No. 32 throws light on the question of what constitutes "an unnecessary number of bids" and "an unreasonable number of bids" as these phrases appear in Section 3 (a). The Code Authority explains that there is no authority under the Code whereby it may place a specific limitation on the number of bids to be invited, and whether an unreasonable number of bids has been invited depends upon the facts involved in each particular case.

In drafting the code, cognizance was taken of the economic waste resulting from the expense of estimating by an unnecessary number of bidders, but it was deemed impracticable to define a maximum number of bids conforming to the varying conditions throughout the country, or the many different types of construction work embraced under the code. While the present provisions of the code call attention to this wasteful procedure and give encouragement to a reduction in the number of bids, the authority, similar to the drafters of the code, finds it impracticable to indicate a maximum number of bids fitting all cases.

Explanation No. 33 covers a highly important aspect of bidding, particularly as it affects the submission of sub-bids to a general contractor. The request and explanation grew out of a case where a special contractor found it necessary to modify his bid prior to the closing time and it was necessary to do this by telegram because of the shortness of time. The question raised, accordingly, was whether a modification by telegram was acceptable under the provisions of Section 7 of Article VII. The code authority explains that a telegraphic bid, as well as hand delivery, is recognized as a legal bid or modification, provided all other conditions for submitting bids are complied with. Specifically Section 7 requires that all bids shall be signed by a duly authorized representative of the bidder and enclosed in a sealed envelope on the outside of which shall appear its identification as a bid for the particular job.

The Construction Code Authority has also asked NRA to issue an official interpretation of the code to determine the latest time at which bids from subcontractors may be received by general contractors, where the general contractors' bids on the project are to be submitted on Monday or the day following a holiday. The code provides that bids from subcontractors shall be in the physical possession of the general contractor not less than 24 hours prior to the time the general contractor's bids are due with the awarding authority. Considerable confusion has existed as to whether such sub-bids may be submitted in such cases quoted on a Sunday or a holiday.

THREE GRANTED CERTIFICATES

Provisional certificates to practice architecture in the State of California were granted three candidates at the September meeting of the Board of Architectural Examiners, Northern District. The successful candidates are:

Robert C. Younger, 301 Twenty-third St., Sacramento; Wayne S. Hertzka, 1450 Chestnut street, San Francisco; Scofield DeLong, 1331 Garfield avenue, Berkeley.

$250,000 HOSPITAL BONDS ON NOV. 6 ELECTION BALLOT

Santa Clara County Supervisors Apply for $66,000 PWA Loan and Grant

The Santa Clara county board of supervisors yesterday passed a resolution placing on the November general election ballot a $250,000 bond proposal, to finance improvements to the county hospital.

Application has been made to the Public Works Administration for a loan and grant for the project, the bond election being held in accordance with a PWA ruling requiring bonded security. Amount of the grant to be made by the PWA will be approximately $66,000.

Originally the county had applied for a loan and grant of $233,000, but due to increased wage scales and an advance in material prices since the application was first entered the supervisors have made application to increase the allotment to $250,000.

Preliminary sketches for the work have been prepared by Architects Binder and Curtis of San Jose.

QUAKE HAZARD SURVEY IN S. F. TO BE RESUMED

Cope Names Four Inspectors To Begin Work Under $5000 Appropriation

Survey of buildings in the downtown district of San Francisco to discover potential earthquake hazards will be resumed immediately under direction of Erle L. Cope, superintendent of building inspection.

The building inspection bureau now has available an appropriation of $5,000 from the current budget to pay salaries of inspectors engaged in the survey. Three inspectors who will be engaged specially for the survey were named yesterday by Mr. Cope. They are: Wm. Anderson, David L. Stewart, and Francis H. Stewart. In addition, J. G. Little, engineer on the staff of the bureau, will be assigned to the special inspection.

Under John B. Leonard, former chief building inspector, a survey of earthquake hazards was undertaken last year and many property owners were induced to eliminate faulty construction. Both sides of Market street from the Ferry building to Van Ness as well as Kearny and Montgomery streets were covered by the inspection.

At least sixty more blocks downtown will be included in the new survey, Mr. Cope said. The work will start in the area west of Grant avenue and north of Market street.

Only exterior features are to be considered as a means of safeguarding motorists and pedestrians from falling parapet walls, cornices, or other objects that might be dislodged by earthquake shock.

TERMITE LICENSE EXAMINATION SET

Examinations to qualify applicants for licenses to exterminate termites will be conducted by the City of Oakland under supervision of the city building inspection department October 15. Applications must be filed at the office of the building inspector in the city hall before noon October 13.

A recently enacted city ordinance provides for examination and certification of the competency of individuals engaged in the business of termite destruction. Candidates passing the examination successfully will be granted a license upon payment of a $10 registration fee.

Butte county highway disbursements during the year ended June 30, 1933, amounted to $184,698, according to the annual report of State Controller Ray L. Riley.

Berkeley Listing Contractors for Local FHA Jobs

Registration of contractors has started in Berkeley in preparation for a Better Housing Campaign to be conducted by the Chamber of Commerce.

Contractors are registering in the offices of the Chamber of Commerce on the 12th floor of the American Trust Company Building, Center Street and Shattuck Ave., so that Berkeley property owners may be provided with a complete list of building contractors and subcontractors qualified for submitting bids for work under the National Housing Act.

Contractors will be listed in the order in which they return filled out printed forms, according to Managing Director Charles Adams of the Chamber of Commerce. Only Berkeley contractors will be allowed to register in the local drive, the same plan being carried out in Oakland for builders of that city.

Monday, October 8, has been set as the tentative date for the beginning of a property survey to be undertaken by several score SERA workers as a means of launching upon a campaign of modernization for Berkeley homes and places of business.

Contractors Asked To Register With Oakland Chamber

Registration of contractors desiring to participate in the distribution of property modernization prospects developed by the Oakland Better Housing Program campaign has started at the campaign consultation office, Room 312, Financial Center Building at Fourteenth and Franklin Streets.

Letters addressed to the executives of the building industry trade associations outlining registration requirements were sent out by A. C. Arseneau, campaign manager, from the headquarters of the campaign committee in the Oakland Chamber of Commerce.

The letters state that printed forms in duplicate will be available at the place of registration. Briefly, the information required will be: 1. Classification such as General or Sub-Contractor and class of work performed. 2. Names of three owners for whom contracts have been completed in the last five years. 3. Names of three financial references (at least two must be patronized material dealers). 4. Agree to submit estimates promptly; comply with NRA Code; be willing and able to furnish bond and agree to carry compensation and public liability insurance. 5. Contractor must present his state and city license when registering.

CITY HOUSING DRIVE TO MAKE 30,000 NEW JOBS

$7,000,000 Expected Building Work Will Be Widely Distributed

More than thirty thousand jobs should be provided by San Francisco's $7,000,000 housing program, says William F. Benedict, campaign manager, basing his estimate on the experience of other cities as reported by the Federal Housing Administration.

On 716 typical loans for modernization of homes and other properties the FHA figures show the following results:

The loans involved an expenditure of $415,000. They provided for 1824 jobs, classified as follows: heating appliance workmen, 265 jobs; inside painting and decorating, 264 jobs; plumbing, 232 jobs; exterior repairs, 177 jobs; roofing, 169 jobs; outside painting, 168 jobs general remodeling, 155 jobs; interior repairs, 102 jobs; cementing, 72 jobs; lighting, 64 jobs; remodeling bathrooms, 56 jobs; additional rooms, 44 jobs; remodeling kitchens, 36 jobs; total 1824 jobs.

"If these ratios are maintained in San Francisco a total of 30,769 jobs will be provided," Mr. Benedict states. "However, conditions in San Francisco will undoubtedly demand somewhat of a change in the ratios given here, as the highest percentage of workers is covered by the heating items. While these figures are based on actual research of the Federal government into the results of a number of better housing compaigns conducted thus far, we are not trying to be unduly optimistic here. It will be seen, however, from these figures that the campaign in San Francisco, if successful, will just about break the backbone of unemployment in the building trades in this city.

"The figures also show an average of $227.50 for each worker when checked against the grand totals given in the Government table. This figure, however, is really only partial when it comes to determining the full effect of the campaign, because activity in the building trades sets many other trades in action and provides more work and wages for those trades as well. We are only figuring here the money that is paid to the workers. We are not figuring the money produced by this campaign which is paid to the retail merchants and other tradesmen. That is another story, which alone would make this campaign well worth while."

Shipments of steel barrels during the first eight months of 1934 totaled 4,798,839 as compared with 3,855,820 during the same period last year, according to reports to the Bureau of the Census by 31 manufacturers.

AUGUST DROP OF MATERIALS AVERAGES 1.4%

Current Prices Show Little Gain From Level of 1933

Building material prices showed an average decline of 1.4 percent from July to August, according to the monthly survey of the U. S. Bureau of Labor Statistics. The group average price in August was 5.5 per cent higher than in August, 1933.

The present index, 85.8, compares with 81.3 for a year ago. Present prices are on the average 23 per cent higher than two years ago and 10 percent lower than the general average for August, 1932.

Declining prices of lumber, structural steel and other building materials caused the group to show a decrease in August. The index for paint and paint materials averaged higher than in July, while brick and tile, cement, and plumbing and heating fixtures remained at the previous level. Increases were reported in 14 items, decreases in 24 and no change in 48.

For the week ending September 15, 1934, the materials index stood at 85.9, a drop of one-half of one percent from the previous week. Declines in the prices of lumber were chiefly responsible for the drop, with slight recessions in paint and paint materials and other building materials. Brick and tile, cement, structural steel and plumbing and heating supplies were unchanged.

Following are comparative index numbers for August 1934 and August 1933:

	Aug. 1934	Aug. 1933
Building materials	85.8	81.3
Brick and tile	91.3	81.5
Cement	93.9	90.3
Lumber	81.8	79.4
Paint & paint mtls.	79.8	77.5
Plumbing & heating	75.0	70.3
Structural steel	92.0	81.7
Other bldg. mtls.	90.0	85.0

LICENSE OF MODESTO CONTRACTOR REVOKED

Thomas Bracells, Modesto contractor, has been enjoined from engaging in future building operations and his state contractor's license has been ordered revoked by Col. Carlos W. Huntington, state registrar of contractors.

Bracells, who is said to be the co-owner of the Home Lumber Co., was found guilty of failing to complete a construction project for the price specified in the contract, in violation of state law, at a formal hearing conducted by Referee R. S. Bowdle.

A default judgment was entered against Bracells when he failed to answer citations or appear at the hearing, according to Huntington. J. H. Oyen, owner of the Strand Barber Shop, Modesto, was the complaining witness in the case.

COMMISSION AWARDS $104,000 CONTRACTS

SACRAMENTO, October 2.—Three contracts for highway improvements aggregating approximately $104,000 were awarded here today by the State Highway Commission. Los Angeles Paving Company, Inc., at $77,240 was awarded a contract for grading and paving about six-tenths of a mile in Los Angeles. Geo. Herz and Company, San Bernardino, at $24,779 received a contract for about 6.6 miles grading ann surface treatment in Los Angeles and San Bernardino counties. A contract for 39.4 miles fuel oil treatment in Sonoma county was awarded to Hellwig Construction Company of Sebastopol at $4,236.

Housing Official Sees Lumber Price Advance As Campaign Result

Quoting U. S. Bureau of Labor Statistics in support of his opinion, James A. Moffett, Federal Housing Administrator, declared in a letter to Wilson Compton, general manager of the National Lumber Manufacturers Association, made public by that body, that present lumber price levels "are relatively low and may be expected to advance in the event of a healthy improvement in demand," adding "that such an imtion seems highly probable," as "reports of loans by insured lending institutions are showing daily improvement."

Citing U. S. Bureau of Labor Statistics to the effect that sawmill wages averaged 35.7c per hour in 1925 and 43.5c per hour in June of this year, while wholesale lumber prices are now at probably 80 per cent of 1926 levels, Mr. Moffett continued:

"It is obvious that the lumber industry will not continue indefinitely on a market level 20 per cent below 1926, with wages remaining at 20 per cent over those paid in that year. Nor does there appear to be any doubt that the industry's assumption of further important responsibilities in connection with conservation of the nation's forest resources has added to its operating costs."

Mr. Moffett's letter was written in reply to a communication from Compton in which the latter deplored present misapprehension with reference to lumber prices, discussed the trend of lumber production and cited the fact that even in 1926, the year now so frequently used as a basis for comparison, the lumber industry did not share in the general prosperity.

TRUCKING CODE TO BE TESTED IN SUIT HERE

Authority Seeks Injunction to Block Awards on Rental of Vehicles to City

Test of the right of the California State Trucking Code Authority to set minimum rental rates for trucks and to enforce NRA code compliance from contractors renting equipment to the city of San Francisco has been undertaken through an action filed in the superior court here.

A temporary restraining order was granted Saturday by Presiding Judge Walter Perry Johnson prohibiting T. A. Brooks, city purchaser of supplies, from awarding contracts to low bidders for furnishing trucks for the city's use during the current fiscal year. The order also restrains 28 truck owners who were low bidders from accepting contracts with the city unless they have complied with the provisions of the NRA code for the trucking industry.

The order was entered on the petition of the California State Trucking Code Authority. Arguments on a permanent injunction are set for 10 A. M., October 5, before Judge Van Nostrand. However, it was said yesterday the hearing probably would be postponed several days at the request of attorneys.

The suit is one of the first test cases of NRA code compliance to be entered in the state courts. The action, filed by W. H. Kessler, rate administrator and attorney for the code authority, alleges violation of the California Recovery Act and also violation of the trucking industry code. The state appellate court of the second district recently has rendered a decision upholding the constitutionality of the California Recovery Act in the case of a Los Angeles cleaner and dyer convicted of violating the state act by failing to comply with the national code for his industry which under the CRA became a state code automatically.

Bids were taken several weeks ago by City Purchasing Agent Brooks for furnishing trucks to the city as required during the year and were to have been awarded Sept. 1. Protests against the awards were entered by the State Code Authority for the Trucking Industry when the rates quoted were found to be under the minimum rental rates established for the equipment specified and also that some bidders had not complied with the code by registering their vehicles and filing their minimum rates.

The code authority has published a rental scale for dump truck operation in Northern and Southern California but has not set a scale for flat-bed trucks.

State Agency Studies Recommended Regulations For Bid Depositories

Recommended minimum requirements and regulations for the operation of bid depositories for general contractors have been received from Washington by Floyd O. Booe, secretary of the State Administrative Agency for the General Contractors' Code, and are being considered in the plan for a state-wide bid depository system. The agency, of which R. D. Watson is chairman, expects to complete its depository plan in the near future.

The general rules were developed by the Divisional Code Authority for General Contractors and have been submitted for approval of the Construction Code Authority.

The proposed rules and regulations would mandatorily apply to all general contractors' bids submitted on private construction projects amounting to $1,000 or more, but would not apply to public work on which bids and alternates are opened and read publicly and on which information is available to the public generally. This application, therefore, in practice would eliminate practically all highway work, while heavy engineering and railroad construction (subject to Chapter II-B of the code) is specifically excluded in the application of the proposed rules.

Following is a summary of the several articles of the proposed regulations:

1. **Definitions:** Mostly self-explanatory. The term agency means the state administrative agency of the Divisional Code Authority for General Contractors. Depository means the state agency designated as the bid depository for a particular state. Designated area means any area defined by the state agency as a region, which may include the whole state or any subdivisions thereof.

2. **Application:** These regulations apply to all bids submitted on private construction projects amounting to $1,000 or more. They do not apply to work to which the provisions of Chapter II-B of the code are applicable.

3. **Bid Depository Organization:** The executive manager or secretary of the agency or sub-agency shall be designated as the individual to receive duplicate bids for the depository.

4. **Notice to General Contractors:** Every contractor of record shall be notified by the divisional code authority that bid depositories have been established, giving the address of every depository providing contractors bidding on out - of - state work knowledge of the proper depository to use. After notice has been mailed, it is mandatory upon the general contractor to file duplicate bids, except on public work and that exempted above.

5. **Filing of Duplicate bids:** General contractors shall file duplicate bids, properly marked and enclosing six cents postage for mailing of bid tabulations, on all work to which these regulations apply. Duplicate bids filed by mail must be postmarked before the hour designated for opening of bids; those delivered in person must be delivered before the hour of opening.

6. **Statement of Deposit:** Statement must be made on the original bids that duplicate bids have been filed.

7. **Time for Receipt of Bids:** The time set by awarding authorities for receipt of bids should be a specified hour, date and place. The state agency, when notified by a contractor that no specific time has been set for receipt of bids, should emphasize to the awarding authorities the code provisions governing receipt of bids.

8. **Opening of Duplicate Bids:** The designated individual shall open the duplicate bids within 24 hours after the time set for opening of original bids, in the presence of a disinterested party and a notary. Tabulations of all bids shall be sent to all bidders, but in no case shall the information be given to anyone other than a bidder. If a contract is awarded to anyone except the low bidder, the contractor must supply, if demanded, proof to the agency that the prices of his original bid are those upon which the contract is based.

9. **Compliance:** Non - conformance with these regulations is a violation of the code.

10. **Effective Date:** These regulations become effective within 30 days after approval by the Construction Code Authority.

Since it is necessary that all members of the construction industry file duplicate bids, suggestions have been made that bid depositories be operated so that sub-contractors' and general contractors' bids might be filed at the same place. While some of the state administrative agencies are sponsors of such depositories, it is not possible for the Divisional Code Authority for General Contractors to devise rules and regulations for the operation of bid depositories which will be mandatory upon sub - contractors, E. J. Harding, secretary of the authority, states. State agencies may, however, cooperate with the members of the several divisions of the construction industry code within their respective states toward the establishment of a bid depository where duplicates of both general and sub-bids may be filed.

BAY BRIDGE SUBSTRUCTURE NEARS FINISH

Last Deep Pier Sealed; Start Third Steel Tower Erection

The last deep pier of the San Francisco-Oakland Bay Bridge was sealed to rock last week at E-3, 1,400 feet east of Yerba Buena Island, according to the weekly progress report of Chief Engineer C. H. Purcell.

San Francisco

Excavation for Pier A, just east of the anchorage on Rincon Hill, has continued, and viaduct construction is in progress west of the anchorage.

West Bay Substructure

Its underwater portion complete, Pier W-4, the concrete center anchorage, is now being raised to its final height of 281 feet above water. Last week the Transbay Construction Company has brought this pier up to 64 feet above water.

West Bay Superstructure

While 40% of the riveting at Tower W-3 has been completed, Columbia Steel Company crews have started the erection of Tower W-6, just west of Yerba Buena Island, and have erected the hammerhead cranes there.

Yerba Buena Island

The full height of the north side drift of the tunnel has been bored in 400 feet, and the south drift 320 feet. The crown drift is in 520 feet and should break through Tuesday, according to the report.

East Bay Substructure

With the steel completed in deep Pier E-3, 1400 feet east of the island, Bridge Builders, Inc., started the topping off process.

At Pier E-6, foundation piling was driven, which is the last piling in the East Bay major piers.

Sealing at Pier E-2, on the east shore of the island, and at E-6 will be accomplished this week.

East Bay Superstructure

Erection of Span E-21 was completed during the week, and the cantilevering of Span E-20 will start this week.

FIVE SERA PROJECTS STARTED IN ALAMEDA

Five work-relief projects are in operation in Alameda, providing employment for approximately 400 men at a total cost of $40,610, according to SERA officials.

Electrolier standards throughout the city are being repaired, straightened and painted. Trees are being removed and replaced, and many old palms are being trimmed. Two concrete retaining walls are being constructed and the Washington and Lincoln schools are being repainted and tinted.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
489	Chickering	Gladstone	1500
490	Mitchell	Mager	1555
491	Galli	Galli	3000
492	Sharp	Borsi	1000
493	Galli	Galli	3000
494	Kettenbach	Owner	1000
495	Sheehy	Coburn	3000
496	Mosher	Todhunter	1000
497	Grahn	Owner	2800
498	Clifford	Owner	1000
499	Standard	Owner	3500
500	De Carlo	Owner	1475

ALTERATIONS
(489) NO. 2537 VALLEJO ST. Alter dwelling.
Owner—Allan Chickering Jr., Merchants' Exchange Bldg., S. F.
Architect—H. W. Wurster, 260 California St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco. $1500

ALTERATIONS
(490) NO. 244 SANTA PAULA ST. Alter dwelling.
Owner—Elbert Mitchell, Premises.
Architect—Martin Rist, 944 Phelan Bldg., San Francisco.
Contractor—Mager Bros. & Son, 1359 Fourth Ave., S. F. $1555

DWELLING
(491) SE TWENTY-SEVENTH AVE and Kirkham St. One-story and basement frame dwelling.
Owner—R. F. Galli, 1574 28th Ave., San Francisco.
Architect—Not Given.
Contractor — R. F. Galli, 1574 28th Ave., San Francisco. $3000

ALTERATIONS
(492) NO. 2842 BUCHANAN ST. Alter dwelling.
Owner—Miss Violet Sharp, 2842 Buchanan St., San Francisco.
Architect—John Davis Young, 2002 California St., San Francisco.
Contractor — C. L. Borsi, 1279 25th Ave., San Francisco. $1000

DWELLING
(493) S KIRKHAM ST. 95 E 27th Ave. One-story and basement frame dwelling.
Owner—R. F. Galli, 1574 28th Ave., San Francisco.
Architect—Not Given.
Contractor—R. F. Galli, 1574 28th Ave. San Francisco. $3000

ALTERATIONS
(494) NO. 2618 WEBSTER ST. Alter apartments.
Owner—L. T. Kettenbach, Premises.
Architect—Not Given. $1000

REPAIRS
(495) NO. 529 CLAY ST. Repair fire damage to factory.
Owner—Sheehy Estate Co., % Contractor.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco. $3000

ALTERATIONS
(496) NO. 2450 GREEN ST. Alter dwelling.
Owner—Mrs. A. L. Mosher, Prem.
Architect—Not Given.
Contractor—George C. Todhunter, 1088 Ashbury St., S. F. $1000

DWELLING
(497) W TOCOLOMA ST. 310 N Blanken St. One-story and basement frame dwelling.
Owner—William Grahn, 2965 Mission St., San Francisco.
Architect—Not Given. $2800

ALTERATIONS
(498) NO. 2400-2404 HARRISON ST. Alter dwelling.
Owner—T. Clifford, 3839 Army St., San Francisco.
Architect—Not Given. $1000

DWELLING
(499) E TWENTY-FIRST AVE. 175 N Ortega St. One-story and basement frame dwelling.
Owner — Standard Bldg. Co., 1500 Judah St., San Francisco.
Architect—Not Given. $3500

ALTERATIONS
(500) NO. 2638 ANZA ST. Alter dwelling.
Owner—L. and Florence C. De Carlo, Premises.
Architect—Not Given.
Supervisor—Walter G. Vodden, 1135 Cabrillo St., S. F. $1475

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
381	Williams	Stolte	1950
382	Bettancourt	Owner	1000
383	Willson	Owner	1000
384	Colby	Petersen	1377
385	Standard	Alley	2300
386	Standard	Alley	1900
387	Davis	Owner	2000
388	Pleitner	Watson	4500
389	Bank of Am.	Owner	1000
389	Union	Owner	1800
390	Saunders	Sorensen	1600
391	Ed. of Educ.	Moore	6000
392	Joyce	Owner	1000
393	Hand	Owner	1500

ALTERATIONS
(381) NO. 2821 CLAREMONT AVE., **BERKELEY.** Alterations.
Owner—S. Williams, Premises.
Architect—Not Given.
Contractor—F. C. Stolte Co., 3455 Laguna Ave., Oakland. $1950

DWELLING
(382) NO. 1571 BRIDGE AVE. (rear) **OAKLAND.** One-story 3-room dwelling.
Owner—J. S. Bettencourt, 1571 Bridge Ave., Oakland.
Architect—Not Given. $1000

(383) NO. 1611 THIRD AVENUE, **OAKLAND.** One-story store.
Owner—S. G. Willson, 238 Foothill Blvd., Oakland.
Architect—Not Given. $1000

GARAGE,
(384) NO. 821-23 E-TWELFTH ST., **OAKLAND.** One-story brick garage,
Owner—Geo. W. Colby, % Contractor.
Architect—Guy L. Brown, American Bank Bldg., Oakland.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland. $1377

STATION
(385) NO. 2135 DURANT AVE., **BERKELEY.** One-story brick and steel service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Architect—H. H Hall, 2200 Leavenworth St., San Francisco.
Contractor—L. E. Alley, 1621 Encinal Ave., Alameda. $2300

STATION
(386) NO. 2131 DURANT AVE., **BERKELEY.** One-story brick and steel service building and rest rooms.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Architect—J. M. Evans, 2200 Leavenworth St., San Francisco.
Contractor—L. E. Alley, 1621 Encinal Ave., Alameda. $1900

ALTERATIONS
(387) NO. 1811 THOUSAND OAKS Blvd., **BERKELEY.** Alterations and additions.
Owner—R. E. Davis, Premises.
Architect—Not Given. $2000

DWELLING
(388) NO. 4641 MELDON AVENUE, **OAKLAND.** One-story six-room dwelling.
Owner—H. A. Pleitner, 4020 E-14th St., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon Ave., Oakland. $4500

ADDITION
(389) NO. 7948 EARL ST., **OAKLAND** Addition.
Owner—Bank of America, 12th and Broadway, Oakland.
Architect—Not Given. $1000

REBUILDING
(389) NO. 990 TWENTY-SECOND St., **OAKLAND.** Rebuild cooling tower.
Owner—The Union Ice Co., Premises.
Architect—Not Given. $1800

ALTERATIONS
(390) NO. 1148 WALNUT STREET, **BERKELEY.** Alterations.
Owner—H. W. Saunders, Premises.
Architect—Not Given.
Contractor—Edw. W. Sorensen, 1907 Parker St., Berkeley. $1600

ALTERATIONS
(391) NO. 2205 EIGHTH ST., **BERKELEY.** Alterations and repairs
Owner—Board of Education.
Architect—Not Given.
Contractor—John J. Moore Co., 354 Hobart St., Oakland. $6000

STORE
(392) NO. 1200 SEVENTY - FIFTH Ave., **OAKLAND.** One - story store.
Owner—A. H. Joyce, 1210 75th Ave., Oakland.
Architect—Not Given. $1000

DWELLING
(393) NO. 1274 SIXTY-SECOND AVE. **OAKLAND.** One-story 4-room dwelling.
Owner—Thos. J. Hand, Premises.
Architect—Not Given. $1500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
93	Associated	Grant	3200
94	Mitchell	Mager	1555
95	Counter	Lindberg	2250
96	De Carlo	Vodden	1475

STATION
(93)NE THIRTY-THIRD AVE. AND Geary Blvd. All work for one-story service stations complete and ready for operation.
Owner—Associated Oil Co. of California, 79 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor—Grant & Martinelli Construction Co., 666 Mission St., San Francisco.
Filed Sept. 28, '34 Dated Sept. 24, '34.

Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $3200
Bond, $3200. Surety, Globe Indemnity Co. Limit, 50 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(94) NO. 244 SANTA PAULA AVE., St. Francis Wood. All work for alterations and additions to two-story and basement frame dwlg.
Owner—Helen Mitchell. Premises.
Architect — Martin J. Rist, Phelan Bldg., San Francisco.
Contractor—Mager Bros. & Son, 1359 Fourth Ave., San Francisco.
Filed Oct. 1, '34. Dated Sept. 27, '34.
Rough frame up and roof on..$388.75
Plastering finished..... 388.75
Work completed 388.75
Usual 35 days..... 388.75
TOTAL COST, $1555.00
Bond, none. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(95) NO. 298 CHENERY ST. All work except electrical for alterations and additions to one-story and basement frame dwelling.
Owner—E. C. Counter Jr., Premises.
Architect—Resing & McGuinness, 488 Pine St., San Francisco.
Contractor—C. Lindberg, 615 Naylor St., San Francisco.
Filed Oct. 1, '34. Dated Sept. 28, '34.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2250
Bond, none. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(96) NO. 2638 ANZA ST. All work for new room and bath on roof of present dwelling.
Owner—Leonard and Florence C. De Carlo, Premises.
Architect—Not Given.
Contractor—Walter G. Vodden, 1135 Cabrillo St., San Francisco.
Filed Oct. 3, '34. Dated Oct. 2, '34.
Contract signed $295
Roof of new room on..... 295
Room plastered 295
When completed 295
Usual 35 days..... 295
TOTAL COST, $1475
Bond, none. Limit, 60 working days after October 8. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

53	Central	Doell	1997
52	Claremont	Fitzmaurice	11946

GRADING, ETC.
(52) PROPERTY OF CLAREMONT Country Club. All work for grading and construction work.
Owner—Claremont Country Club, Oakland.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Contractor—J. H. Fitzmaurice, 2857 Harman St., Oakland.
Filed Sept. 27, '34. Dated Sept. 27, '34
On 1st of each month..... 75%
When completed....Sufficient for total to be..... 75%
Usual 345 days.....Balance
TOTAL COST, $11,946
Bond, $11,946. Surety, Fidelity & Deposit Co. Limit, 3 months. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM
(53) NO. 1501 MADISON, STREET Oakland. All work for heating system.
Owner — Central Bank of Oakland, 14th and Broadway, Oakland.
Architect—Not Given.
Contractor — Carl T. Doell Co., 467 21st St., Oakland.
Filed Oct. 3, '34. Dated Sept. 27, '34.
15th days after completion.....$1997
TOTAL COST, $1997
Bond, $1997. Surety, Fidelity & Casualty Co. of New York. Limit, 25 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER dwelling, $500; 2519 Octavia St.; owner, A. L. Ballhache, 2519 Octavia St.; contractor, Fred K. Du Puy, 110 Sutter St.
ALTER store, $175; 64 Market St.; owner, Terminal Hotel Co., 64 Market St.
ALTER dwelling, $300; 978 Chenery St.; owner, Henry Erickson, 972 Chenery St.
SIGN, electric, $300; 1995 Post St.; owner, Hale Bros., 1955 Post St.; contractor, Wonderlite Neon, 1770 Otis St.
ALTER flats, $100; 428 Irving St.; owner, Heller, Prem.; contractor, Robert McCarthy, 1363 14th Avenue.
ALTER dwelling, $250; 571 2nd Ave.; owner, A. H. Vorrath, Prem.
ALTER dwelling, $500; 2655 Folsom St.; owner, E. Coffey, 2976 Washington St.
REPAIR fire damage to apartments, $500; 363 Page St.; owner, Sachman Bros., % Contractor; contractor, Ira W. Coburn, 2048 Market St.
ALTER flats, $75; 174 Hartford St.; owner, Paul Zocchi, 174 Hartford
ALTER flats and store, $165; 3206-A Folsom St.; owner, A. Valleluga, Premises; contractor, Carl Frank Co., 305 Bocana St.
ALTER dwelling, $400; 1915 Sacramento St.; owner, Miss M. Hoyt, Premises.
SIGN, electric, $200; 492 Broadway; owner, Attilio Del Marti, Prem.; contractor, Wonderlite Neon, 170 Otis St.
ALTER dwelling, $200; 1373 Utah St. owner, John Stachnick, Premises.
ALTER flats, $125; 3862 Army St.; owner, Mr. Kisich, Premises; contractor, Carl Frank Co., 305 Bocana St.
ALTER dwelling, $200; 568 Elizabeth St.; owner, E. S. Rogers, Prem.; contractor, Wm. Heidenreich, 1250 Tenth Ave.
SIGN, electric, $400; 2734 Army St.; owner, Blue Ribbon Grill, Prem.; contractor, QRS Neon, 690 Potrero Ave.
ALTER dwelling, $300; 144 Clipper St. owner, J. Manhan, Premises.
REPAIR fire damage to dwelling, $250 1274 Vermont St.; owner, Simi & Barbonchielli, % Contractor; contractor, Ira W. Coburn, 2048 Market St.
SIGN, electric, $50; 140 Geary St.; owner, Zobels, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate
ALTER restaurant, $175; 3 Gough St.; owner, Eddy Kusich, Premises; contractor, James Kurish, 6050 Brussels St.
ALTER store, $25; 749 Portola Drive; owner, A. Costantino, Premises.
ALTER dwelling, $485; 48 Levant St.; owner, J. Malvestiti, Premises; contractor, S. A. Chase, 80 Doug las Street.
SIGN, electric, $125; 983 Mission St.; owner, Sadler's Tavern, Prem.; contractor, QRS Neon, 690 Potrero Avenue.
SIGN, metal, $10; 1576 Union Street; owner, Safeway Stores, Inc., 1000 Brannan St.
ALTER dwelling,$ 100; 1539 10th Ave.; owner, C. Iversen, 1539 10th Ave.
ALTER dwelling, $450; 2889 Pacific Ave.; owner, Leslie W. Hills, 621 Minna St.; contractor, Taylor & Jackson, 621 Minna St.
FLUES (3) patent, $110; S Tingley 50 E Cayuga Ave.; owner, M. Struthers, 4250 Mission St.; contractor, New Mission Sheet Metal Works, 3401 Mission St.
ALTER dwelling, $200; 419 28th Ave.; owner, Stein & Krieg, 149 19th Avenue.
ALTER dwelling, $200; 582 Elizabeth; owner, Henry Mayer, Premises; contractor, Wm. Heidenreich, 1250 Tenth Ave.
ALTER sidewalk, $700; SE O'Farrell and Pierce; owner, Margaret and Ben McKinley, 1657 Washington St.; contractor, Thorsen & Kirkwagg, 1878 Church St.
SIGN, electric, $75; 2069 Chestnut St. owner, Marina Tavern, Premises contractor, QRS Neon, 690 Potrero Ave.
SIGN, electric, $400; 180 Turk St.; owner, Hotel Governor, Prem.; contractor, Golden Gate Neon, 355 8th Street.
ALTER hotel, $250; SE La Playa and Balboa Sts.; owner, La Playa Hotel Co., Premises; contractor, A. S. Gough, 10 Washington St.
ALTER dwelling, $300; 24 Blake St.; owner, Mrs. M. Christie, Prem.; contractor, G. Feroni & Sons, 1966 Filbert St.
SIGN, metal, $20; 1578 Union Street; owner, Safeway Stores, Inc., 1000 Brannan St.
SIGN, metal, $20; 1578 Union Street; owner, Safeway Stores, Inc., 1000 Brannan St.
ALTER dwelling, $120; 3925 Folsom St.; owner, Mrs. Nalli, 3822 Folsom St.; contractor, D. O'Connor & Son, 1367 25th Ave.
ALTER apartments and stores, $200; 1585 Waller St.; owner, Kelleher, Premises; contractor, E. A. Cornely, Inc., 1452 Bush St.
ALTER stores, $475; 2021-2035 Chestnut St.; owner, Anglo California National Bank, 1 Sansome St.; contractor, Bay Cities Contracting Co., 557 Market St.
ALTER dwelling, $100; 100 Nabley St. owner, Z. Guisti, Premises.
ALTER dwelling, $150; 3648 26th St.; owner, P. Donovan, 159 Laidley; contractor, Henry Erickson, 972 Chenery St.
SIGN, metal, $25; 1252 Polk St.; owner, Safeway Stores, Inc., 1000 Brannan St.
SIGN, metal, $25; 1252 Polk St.; owner, Safeway Stores, Inc., 1000 Brannan St.
ALTER store, $138; 710 Post Street; owner, G. H. Hotaling and Jane Swinerton, % Buckbee, Thorne & Co., 151 Sutter St.
FLUES (2) patent, $300; N Cayuga Ave. 144 N Santa Inez; owner, Boyd Lindsay, 183 Oxford St.; contractor, New Mission Sheet Metal Works, 3401 Mission St.
SIGN, $50; 2001 17th St.; owner, Judwich, Premises; contractor, State Mfg. Co., 55 Rausch St.
ALTER dwelling, $20; 1151 Ingerson St.; owner, Mrs. V. Edmundson, Premises.
ALTER service station, $300; SW 3rd and Mariposa Sts.; owner, Standart Stations, Inc., 200 Bush; contractor, Standard Oil Co., 225 Bush St.
ALTER store, $150; 593 Turk St.; owner, A. W. Nikson, 597 Turk St.
SIGN, electric, $135; 1735 O'Farrell; owner, Victory Salvage Bureau, Premises; contractor, Golden Gate Neon, 355 8th St.
SIGN, electric, $20 45 Eddy Street; owner, Equity Club, Prem.; contractor, QRS Neon, 690 Potrero.
STUCCO dwelling, $400; 1750 Washington St.; owner, J. Delllosso, 1350 Lyon St.; contractor, G. Carraro & Sons, 750 Felton St.
BILLBOARD, $6.25; N Bush St. 27 E Steiner St.; owner, Foster & Kleiser Co., 1675 Eddy St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

Bids Rejected—New Bids To Be Asked
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Calif. 1456 First Avenue.
Alterations to residence for apts. (four 3-room apts.) frame work, stucco exterior, new tile roof, hot water heating system, revise plumbing.
Owner—J. E. Patterson.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Segregated bids will be asked next week. *

PLANNED
LOS ANGELES, Cal.—A group of Los Angeles architect, composed of George Adams, Walter Davis, John Kibbey, Ross Montgomery, Wm. Mullay and Lloyd Wright, has prepared preliminary plans for the proposed housing project to be built in the First and Utah Streets District by the Municipal Housing Commission; Don Tyler, Secretary, 417 S. Hill St. The improvements, which would replace existing residential buildings in the district bounded by Aliso St., Pleasant Ave., Mission Road, Bodie St. and Colster St., would consist of a series of two-story fireproof, multiple dwellings, containing a total of 1529 apartment units and costing between $4,000,000 and $5,000,000. The scheme will be submitted to the Federal goverment with a request for funds with which to finance the improvements. Ross Montgomery is the co-ordinating architect. A similar project is proposed for a site at Temple and Beaudry Streets.

Contract Awarded.
ALTERATIONS Cost, $2000
BURLINGAME, San Mateo Co., Cal. 112 Park Road.
Alterations to apartments.
Owner—Arthur Heise.
Architect—Not Given.
Contractor—Fred Stremme, 1316 Cabrillo St., Burlingame.

2— BONDS

BONDS FOR SALE
HEALDSBURG, Sonoma Co., Cal.—Healdsburg High School District will sell bonds on October 22 in the amount of $60,000. Proceeds are to finance construction of a one- and two-story wing addition to the high school in Healdsburg. John I. Easterly, 302 Grant St., Healdsburg, architect.

BONDS FOR SALE
SEBASTOPOL, Sonoma Co., Calif.—Analy Union High School District will sell bonds on October 22 in the amount of $160,000. Proceeds are to finance construction of a two-story reinforced concrete high school building in Sebastopol. Louis C. Stone and J. R. Rowell, architects, Humboldt Bank Bldg., San Francisco. Robert L. St. John Co., 544 Market St., San Francisco, mechanical engineers, and Norman Green, 55 New Montgomery St., San Francisco, structural engineer.

3— CHURCHES

Contract Awarded
ADDITION Cont. Price, $3,358
WOODLAND, Yolo Co., Calif.
Frame and stucco addition to church (add two Sunday school rooms, social room in basement, etc.)
Owner—Baptist Church, Woodland.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—J. G. Motroni, Box 537, Woodland.

Plans To Be Prepared
CHURCH Cost, $19,500
WOODLAND, Yolo Co., Calif.
Construct new church building (replace one recently destroyed by fire).
Owner—St. Johns Evangelical Church (Rev. Carl Saenger, Pastor).
Architect—To Be Selected.
Insurance has been adjusted. *

PLANNED
SANTA BARBARA, Cal. — First Congregational Church of Santa Barbara; Dr. R. Arthur Basham, pastor, contemplates erecting a new edfice in Santa Barbara. A building committee will be appointed next week.

4 — FACTORIES & WAREHOUSES

CONTRACT AWARDED
LOS ANGELES, Cal.—Wm. P. Neil Co., builder, 4814 Loma Vista Ave., awarded contract to erect three-story Class A reinforced concrete warehouse building at 201 Santa Fe Ave. for Graybar Electric Co., owner, 301 E. Eighth St. Plans by Harry T. Miller, 4814 Loma Vista St.; 107x160 ft., composition covered reinforced concrete roof, skylights, steel sash, plate and wire glass, steel rolling doors, ornamental iron rails, concrete loading platform, reinforced concrete floor slabs and stairways, electric elevators, spiral metal chute, tile toilers, urinals, metal toilet partitions, electric heaters, concrete, tile and plaster partitions, metal fire doors. Cost, $84,000.

Construction Started.
STORAGE PLANT Cost, $10,000
FRESNO, Fresno Co., Cal. P and Mono Streets.
One-story turkey storage plant, 60x150 feet).
Owner—Fresno Consumers Ice Co., Fresno.
Lessee — California Turkey Growers Assn, 159 Broadway, Fresno.

Plans Completed
ADDITIONS Cost, $8000
BERKELEY, Alameda Co., Calif. 801 Parker Street.
Additions to present plant.
Owner—California Corrugated Culvert Co., 5th and Parker Sts., Berkeley.
Plans by Engineering Dept. of Owner.
Bids are in and awards will be made shortly. *

Contracts Awarded
PRINTING PLANT Cost, $150,000
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
One- and part two - story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth Street.
Architect—W. P. Day, Financial Center Building.
Contractor—Cahill Bros., 206 Sansome Street.
Heating & Humidifying System—Carrier Engr. Corp. of California, 748 E. Washington St., Los Angeles.

Contract Awarded.
REPAIR FACTORY Cost, $3000
SAN FRANCISCO No. 529 Clay St.
Repair fire damage to factory.
Owner—Sheehy Estate Co., 2048 Market St., San Francisco.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.

PLANS BEING PREPARED
FILLMORE, Ventura Co., Cal.—Architect Roy Wilson, Say Road, Santa Paula, is preparing plans for a new unit to the main plant of the Fillmore Citrus Assn. Will be 160 ft. in length and cost $50,000. A box storage shed to cost $6000, is also proposed. A conveyor system will be installed to transfer boxes from storage shed to plant.

COMPLETING PLANS
FILLMORE, Ventura Co., Cal.—Architect Roy C. Wilson, Say Road, Santa Paula, is preparing working drawings for a new unit to be added to the main plant of the Fillmore Citrus Association in Fillmore. Will cover an area of 183x100 ft. and will have reinforced concrete basement and side walls to first floor, steel beams and wood joist floor construction, maple and mastic flooring, steel joist and wood truss roof construction, composition roofing, steel sash, steam heating system, conveyor system, etc. A box storage shed will also be erected on the site. Cost $60,000. Plans will go out for bids in about three weeks

CONTRACT AWARDED
SANTA PAULA, Ventura Co., Cal.—Rainey & McIssac, 2100 E 25th St., Los Angeles, awarded contract and have started wokr on alterations and additions to a packing plant in Santa Paula for Teague-McKevett. A new basement will be provided and improvements made to the superstructure. Cost $65,000. Roy C. Wilson, Say Road, Santa Paula, architect.

CONTRACT AWARDED
DOUGLAS COUNTY, Ore. — Frank Neave, Monroe, Ore., at $3,933 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for the construction of a frame maintenance building, 32x96-ft. in Roseburg, Douglas County; State project.
Complete bids follow:

Frank Neave, Monroe	$3,933
John E. Runyon	4,132
The Construction Company	4,155
Joplin & Eldon, Portland	4,425

BIDS REJECTED
WALLOWA COUNTY, Ore. — Hart Const. Co., 711 Middle Waterway, Tacoma, at $4,521 submitted the only bid, which was rejected by the Oregon State Highway Commission, Portland, October 1, for the construction of a frame maintenance building 32x72-ft. in the City of Enterprise, Wallowa County (State project).

Structural Steel Contract Awarded
ADDITIONS Cost, $8000
BERKELEY, Alameda Co., Calif. 801 Parker Street.
Additions to present plant.
Owner—California Corrugated Culvert Co., 5th and Parker Sts., Berkeley.
Plans by Engineering Dept. of Owner.
Structural Steel—Moore Dry Dock Co., foot of Adeline St, Oakland.
Construction is being handled by the owner's own forces.

Plans Being Completed.
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Three-story reinforced concrete brew house (40x40 feet) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H Nishkian, 525 Market St., San Francisco.
Bids will be asked in about two weeks.

Concrete Contract Awarded.
SILOS Cont. Price, $78,980
LONG BEACH, Los Angeles Co., Cal. W Seventh St., Channel 3, Long Beach Harbor.
Reinforced concrete silos (each 25 ft. in dia., 60 feet high, interstational bins, treatment mill, warehouse and packing house).
Owner—Santa Cruz Portland Cement Co. (George Cameron, President) Crocker Bldg., San Francisco.
Plans by Engineering Dept. of Owner (R. A. Kinzier, Chief Engineer).
Contractor—L. E Dixon, 609 South Grant St., Los Angeles.
The concrete contract has been sub let by the L. E. Dixon Co. to the Dinwiddie Constr. Co., Crocker Bldg., San Francisco.

5— FLATS

Sub-Contracts Awarded.
FLATS Cost, $5000
SAN FRANCISCO. NW Nineteenth and Connecticut Streets.
Two-story and basement frame and stucco flats (two flats); tar and gravel roof, hardwood floors, gas-fired hot air heating.
Owner—L. Piombo, 251 Arkansas St., San Francisco.
Private Plans.
Contractor — Masarie & Cuneo, 2550 19th St., San Francisco.
Masonry — Vannucci Bros., 1875 San Bruno Ave.
Heating and Plumbing—Crow More Co., 1667-A Folsom St.
Electric Wiring — Northern Electric Co., 535-B Broadway.
Mill Work—Erikson & Wagner, York and Mariposa Sts.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Sts.
Ornamental Iron—F. Kern & Sons, 517 Sixth St.
Roofing—Knight Roofing Co., 91 Bluxome St.
Sheet Metal—Atlas Heating Co., 557 Fourth St.
Painting—J. Gustavino & Co., 255 Lexington St.
Plastering—M. J. Terranova Co., 344 San Miguel St.
Marble — Pacific Terrazzo Co., 2144 Lombard St.
Lumber—Bronio Lumber Co., Powell and Beach Sts.
Grading and Excavation — Vannucci Bros., 1875 San Bruno Ave.
Iron Grill Work—F. Kern & Sons, 517 Sixth St.

6—GARAGES & SERVICE

Contract Awarded
GARAGE Cost, $1,377
OAKLAND, Alameda Co., Calif. 821 East 12th Street.
One-story brick garage.
Owner—Geo. W. Colby, % contractor.
Architect—Guy L. Brown, American Bldg., Oakland.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland.

Contract Awarded.
ALTERATIONS Cost, $2000
SACRAMENTO, Sacramento Co., Cal. No. 2930 L Street.
Alterations to service station.
Owner—Standard Oil Co., Tenth and J Sts., Sacramento.
Plans by Engineering Dept. of Owner.
Contractor — E. H. Markwart, 286 Sacramento St., Sacramento.

To Ask Bids In One Week.
SERVICE STATION Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. Ninth and N Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Contract Awarded
SERVICE STATION Cost, $3200
SAN FRANCISCO. NE Thirty-third Avenue and Geary Boulevard.
One-story Class B service station.
Owner — Associated Oil Co., 79 New Montgomery Street.
Contractor—Grant & Martinelli Construction Co., Premises.

Contract Awarded
SERVICE STATION Cost, $12,500
BERKELEY, Alameda Co., Cal. NW Durant and Fulton Streets.
Super - service station (masonry construction; six pumps).
Owner — Standard Oil Co., Financial Center Bldg., Oakland.
Plans by Engineering Dept. of Owner (Mr. May in charge).
Contractor—L. E. Alley, 1621 Encinal Ave., Alameda.

Plans Being Figured—Bids Close Oct. 9th.
SERVICE STATION Cost, $10,000
BERKELEY, Alameda Co., Cal. 1201-1203 Grove St. (between Yolo and Hopkins Streets).
Super - service station, Spanish-style architecture, brick, tile roof, steel sash.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Plans Completed.
SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Cal. El Camino Real and University Avenue.
Construct new service station (reinforced concrete construction).
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Bids will be asked shortly.

7—FEDERAL BUILDING

CONTRACT AWARDED
PORTLAND, Ore.—S. W. Paulson Co., 828 SW 10th Ave., Portland, at $989.93 awarded contract by Treasury Department for furnishing and installing linoleum in the Courthouse at Portland.

LOW BIDDERS
PALO ALTO, Santa Clara Co., Cal. —Gill Mann Co., 725 Tehama St., San Francisco, at $343 submitted low bid to Treasury Department, Washington, D. C., for painting plaster, etc., in the U. S. Post Office at Palo Alto. Second low bid was submitted by Patterson Bros., Oakland, at $344.
Complete bids wi be pubished shorty.

ADDITIONAL PROSPECTIVE BIDDERS
LA JOLLA, San Diego Co., Cal.—G. A. Abbott, P. O. Box 271, San Diego, and Harry Mund, 1433 Madison Ave., San Diego, have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on Oct. 15 for the construction of the U. S. post office at La Jolla.

BIDS WANTED
MARE ISLAND, Cal.—Until Oct. 17, 11 A. M., bids will be received by the Public Works Officer, Mare Island Navy Yard, for installing an existing 1000-gallon water tank and replacing porch floors at Point St. George (Crescent City) and for replacing windows, miscellaneous repairs and painting at the Operating Building, Table Bluff (Eureka) and for installing a roof over the present water tank at Table Bluff; Spec. No. 7798. Plans and specifications may be obtained from the above office and from the Chief of the Bureau of Yards and Docks, Navy Yard, Washington, D. C., upon deposit of $10.00.

BIDS WANTED
PEARL HARBOR, T. H.—Until Nov. 14, 11 A. M., bids will be received by Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor. The work includes concrete, hollow concrete unit work, steel and iron work, built-up roofing and sheet metal, pressed steel doors, steel windows, stucco and plastering, marble work, plumbing, refrigerating drinking fountain and electrical work. Specification No. 7770. Plans and specifications may be obtained from above office and from Commandant, 12th Naval District, 100 Harrison St., San Francisco, and from Commandant, 14th Naval District, Pearl Harbor, upon deposit of $20.00.

Bids Wanted—To Close Nov. 3.
BUILDINGS Cost, $86,964
FRANCE FIELD, Canal Zone.
Construct parachute and armament buildings, radio building, photo laboratory, painting, oil and dope house, etc., at France Field.
Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

Additional Sub-Contracts Awarded.
FEDERAL BLDG. Cost, $2,513,000
SAN FRANCISCO. Civic Center.
Five-story, attic and basement reinforced concrete Federal Building (face brick exterior facing, steam heating system, etc.)
Owner—United States Government.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor—Great Lakes Constr. Co., 333 N. Michigan Ave., Chicago.
Radiator Grilles—Monarch Iron Wks., 262 7th St., San Francisco.
Bulletin and Director Boards, Bronze Stairway Rails, Clock Dials, Dedication Cabinets and Aluminum Letters—Art Metal Construction Co., 117 Front St., S. F.
Other awards previously reported.

BIDS WANTED
LUALUALEI, T. H.—Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, Oahu, T. H. Specification No. 7801. Plans and specifications may be obtained from above office and from Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, and from Commandant, Fourteenth Naval District, Pearl Harbor, T. H., upon deposit of $10.

BIDS WANTED
SUMMIT, Canal Zone — Bids are being received by the Bureau of

Yards and Docks, Navy Department, Washington, D. C., for motor and hand operated winches for antennas at the Naval Radio Station, Summit, Canal Zone. Specification No. 7800. Plans and specifications may be obtained from above office and from Commandant, Fifteenth Naval District, Balboa, Canal Zone, upon deposit of $10.00.

New Bids Wanted—To Close October 12, 2 P. M.

SAN FRANCISCO—Until October 12, 2 P. M., new bids will be received by Custodian, U. S. Post Office, San Francisco, for wickets and wood screens, etc., for the Post Office and Courthouse in San Francisco. On previous bid opening lowest bid was submitted by L. & E. Emanuel, Inc., 2665 Jones St., at $949. *

PROSPECTIVE BIDDERS..

HONOLULU, T. H.—J. A. Fazio, 2059 Webster St., Oakland, and the Viking Automatic Sprinkler Co., 333 Adam Grant Bldg., San Francisco, have procured plans for the purchase of submitting bids to the Treasury Department, Washington, D. C., on October 12 for furnishing and installing a sprinkler system at the U. S. Immigration Station at Honolulu, T. H.

CONTRACT AWARDED

SAN FRANCISCO — Eureka Iron Works, 374 11th St., at $392 awarded contract by Construction Department, U. S. Mint, for iron grilles at the U. S. Mint, San Francisco.

Complete Bid Listing

POST OFFICE Cost, $61,600
HOOD RIVER, Oregon.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Hoffman Const. Co., 715 S. Columbia St., Portland.
Complete bids follow:

Hoffman Const. Co., Portland	$37,580
A. D. Belanger & Co., Everett	38,000
J. G. Anderson, Portland	40,500
R. B. Hammond Corp., Portland	43,310
Wm. MacDonald Const. Co., St. Louis	43,768

Bids held under advisement.

PROSPECTIVE BIDDERS

LA JOLLA, San Diego Co., Cal.—V. R. Dennis Constr. Co., 3911 5th Ave., San Diego, has procured plans for the purpose of submitting a bid to the Treasury Department on October 12 for the construction of the U. S. Post Office at La Jolla.

BIDS WANTED

REDONDO BESACH, Los Angeles Co., Cal.—Until October 8, bids will be received by Public Works Branch, Procurement Division, Treasury Department, Washington, D. C., for plaster models for the U. S. Post Office at Redondo Beach.

CONTRACT AWARDED

OAKLAND, Cal.—Fred J. Early Jr., 369 Pine St., San Francsico, at $5150 awarded contract by Treasury Department, Washington, D. C., for contruction of additions and changes on the first floor and basement of the U. S. Post Office Building and Custom House in Oakland.

Bids Wanted—To Close November 12.

POST OFFICE Cost, $63,800
TORRANCE, Los Angeles Co., Cal.
Marcelina Avenue.
Post Office Building.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.

ADDITIONAL PROSPECTIVE BIDDERS

REDONDO BEACH, Los Angeles Co., Cal.—Following are additional contractors who have procured plans for the purpose of submitting bids to the Treasury Department, Washington, D. C., on October 12 for the construction of the U. S. Post Office at Redondo Beach:

T. A. Beyer Corp., 3680 Fairway Blvd., Los Angeles.

M. M. Waddell, 209 S. Irena Ave., Rendondo Beach.

Robert E. McKee, 108 W. 6th St., Los Angeles.

Bettenson Constr. Co., 1951 Pacific Ave., Long Beach.

Additional Prospective Bidders.

POST OFFICE Cost, $64,900
ORANGE, Orange Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open October 16:

Thermon Means, 611 E-First St., Santa Ana.

Barr Lumber Co., 230 N. Lemon St. Orange.

T. A. Beyer, 3680 Fairway Blvd., Los Angeles.

L. R. Wilson, Box 1193, Santa Ana.

Other bidders reported Sept. 28.

Site Selected.

POST OFFICE Cost, $150 000
GRANTS PASS, Oregon. Seventh and E-H Streets.
United States Post Office Building.
Owner—United Staates Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

LOW BIDDER

CALEXICO, Imperial Co., Cal.—All-Steel Equipment Co. submitted the low bid to the Division of Supply, Treasury Department, Sept. 14, at $111.90, for furnishing metal lockers for Calexico.

ADDITIONAL PROSPECTIVE BIDDERS

LA JOLLA, San Diego Co., Calif.—Additional contractors who have procured plans for the purpose of submitting bids to the Treasury Department October 15 for the construction of the U. S. post office at La Jolla, are as follows:

G. F. Campbell Bldg. Co., 340 Byrne Bldg., Los Angeles; V. R. Dennis Const. Co., 3911 Fifth Ave., San Diego.

Bids Wanted—To Close November 2, 1 P. M.

POST OFFICE Cost, $——
COLTON, San Bernardino Co., Cal.
One-story and part basement Post Office building (65x70 feet) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains, cork carpet, one-pile, low pressure heating system, etc.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
On previous bid opening lowest bid was submitted by Oliver S. Almlie, 60 Sussex St., San Francisco, at $32,-900.
Plans and specifications may be obtained from Treasury Department, Washington, D. C., upon deposit of $15.

BIDS WANTED

FRESNO, Cal.—Until Tuesday, Oct. 9, bids will be received by the Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C., for steel and glass required to build a greenhouse addition, approximately 15½ feet square, at Fresno; Proposal 7735.

Prospective Bidders

BUILDINGS Cost, $35,000
GRAND CANYON, Ariz. National Pk.
Group of buildings, including post office building, four residences, fire equipment storage bldg., etc. (All to be of wood frame and natural stone construction).
Owner—United States Government.
Plans by National Park Service, 525 Market St., San Francisco.
Following have procured plans. Bids open Oct. 9:
George C. Walters, Flagstaff, Ariz.
Olds Bros. Lumber Co., Winslow, Arizona.
Del E. Webb Const. Co., Phoenix.
P. W. Womack, Phoenix.
Fred Langston, Flagstaff.
Lewis Brothers, Phoenix.
Myers Bros., 3407 San Fernando Rd., Los Angeles.
V. O. Brunzell, Route 1, Box 502, Gardena, Calif.
Plans and specifications may be obtained from Supt. at Grand Canyon and from National Park Service, 525 Market St., San Francisco, upon deposit of $15.

Bid Opening Date Postponed Until October 16.

ORANGE, Cal. — Until 1 P. M., October 16 (opening date postponed from October 12), bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of the United States Post Office at Orange. Plans and specifications may be obtained from the Treasury Department upon deposit of $15, checks to be made payable to the order of the Treasurer of the United States. Appropriation for the building is $64,900.

Prospective bidders reported Sept. 26. Date was previously set for Oct. 12.

Bid Opening Date Postponed Until October 15.

LA JOLLA, Los Angeles Co., Cal.—Until 1 P. M., October 15 (opening date postponed from October 12), bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of the United States Post Office at La Jolla. Plans and specifications may be obtained from the Treasury Department upon deposit of $15, checks to be made payable to the order of the Treasurer of the United States. Appropriation for the building is $59,400.

Prospective bidders reported Sept. 19.

BIDS WANTED

MARE ISLAND, Cal.—Until Oct. 24, 11 A. M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for remodeling of present hot water heating system in Operating Building and for extending this heating system to the Radiomanin-charge and the double quarters at the U. S. Naval Radio Station, Table Bluff (Eureka), Calif. Spec. No. 7754. Plans and specifications may be obtained from above office and from the Chief of the Bureau of Yards and Docks, Navy Department, Washington, D. C., upon deposit of $5.

Complete Bids.

POST OFFICE Cost, $56,300
MONTESANO, Washington.
U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Standard Const. Co., Tacoma.

Complete bids follow:
Standard Const. Co., (1) $41,724; (2) $41,524.
Harry Boyer & Son Co., (1) $41,753; (2) $41,628.
Howard F. Wright & Co., (1) $43,-700; (2) $43,500.
MacDonald Bldg. Co., (1) $44,548; (2) $44,248.
Reid Const. Co., (1) $46,470; (2) $46-270.
Wm. MacDonald Const. Co. (1) $46,-608; (2) $46,317.

BIDS WANTED
SACRAMENTO, Cal.—Until 10 A. M. October 16, bids will be received by the Treasury Dept., Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, decorating, etc., in the U. S. post office and court house at Sacramento. Specifications may be obtained from the custodian of the building in Sacramento or from the Treasury Department in Washington; no deposit required.

Complete Bids
POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Streets.
One - story post office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 feet.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—K. E. Parker Co., 135 South Park, San Francisco.
Complete bids follow:
K. E. Parker Co., S. F. $29,000
Wm. Spivock, San Francisco 31,214
A. Nelson, Inc., S. F. 31,840
Frank J. Reilly, S. F. 32,831
Carl N. Swenson, San Jose 33,850
Schuler & McDonald, Oakland 34,473
Harry J. Oser, S. F. 35,900
Leo Epp, San Francisco 38,500
Neves & Harp, Santa Clara 38,500
Wm. MacDonald Const. Co., St. Louis, Mo. 39,217
H. C. Miller, Santa Clara 39,730
Bids held under advisement.

PROSPECTIVE BIDDER
SAN FRANCISCO—Neilson & Lahte 2328 Acton St., Berkeley, has procured plans for the purpose of submitting a bid to the Treasury Department on October 12 for the construction of an addition to the Plague Laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St.

Plans Being Completed
POST OFFICE Cost, $63,800
TORRANCE, Los Angeles Co., Calif. Marcelina Avenue.
One-story post office building.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

CONTRACT AWARDED
EUREKA, Humboldt Co., Cal.—H. F. Haverkamp, 1127 Folsom St., San Francisco, at $678 awarded contract by Public Works Office, Mare Island Navy Yard, for furnishing and installing aviation warning lights on two radio towers (one 300-ft. and one 125-ft. high) at the Naval Direction Finder Station, Table Bluff, Eureka. Work also includes lighting fixtures, walkways on towers, cables supported on tower structure and buried underground from tower base to power house with control switch, etc. Spec. No. 7755. Complete bids published Sept. 20.

8— CLUB BUILDINGS

Contract Awarded
CLUB Cost, $11,946
OAKLAND, Alameda Co., Cal. Claremont Country Club property.
Grading and construction work for club building.
Owner—Claremont Country Club, Oakland.
Architect—J. J. Donovan, 950 Parker St., Berkeley.
Contractor—J. H. Fitzmaurice, 2857 Hannan St., Oakland. 8

PLANNED
LAS VEGAS, Nev.—Las Vegas Elks Lodge adopted a resolution providing for incorporating a building association to carry out the lodge's proposed building program. Construction of a two-story, concrete block structure at Third and Carson Streets is planned. A cooling system may be installed. A. L. Worswick, Las Vegas, is the architect. E. A. Clark, chairman of the building committee.

9— HOSPITALS

Bids Wanted—To Close Oct. 24, 2:30 P. M.
HOSPITAL Cost, $687,000
SAN FRANCISCO. Block bounded by Potrero Ave., 22nd St. and San Bruno Ave.
Six-story cancer building and five-story psychopathic hospital (Class A construction) reinforced concrete and brick; auditorium with stage, library, two electric elevators, etc.
Owner—City and County of San Francisco.
Architect—Martin J. Rist, Phelan Bldg.
Structural Engineer—H. J. Brunnier, Sharon Bldg.
Mechanical Engineer—Leland & Haley, 58 Sutter Street.
Work involves:
Concrete work, reinforcing concrete, Travertite cast stone, excavation and backfilling, colored cement floors, steel stair treads, reinforcing steel, structural steel, brick work tile partitions, glazed terra cotta wall units, structural tile, tile lintels, carpentry, mill work, interior finish, rough and finish hardware, counters fnor nurses stations and offices, wood partition examination booths, glass and glazing, steel tubular doors, stationary steel sash, screens and wire window guards, sanitary metal window trim, hollow metal work, insulated hollow metal doors, metal cases, sheet metal and ornamental copper work, bronze, Kalamein doors, linen chutes, miscellaneous and ornamental iron, cast iron and bronze thresholds, iron pipe rails, door grilles, metal stairs, painting, tile work, wall tile, tiletex floor covering, linoleum floor covering, cork tile treads and landings, rubber floor tile covering, Travertite marble partitions and base, marble work, lathing and plastering, terra cotta tile partitions.
Plans and specifications may be obtained from the City Architect, C. H. Sawyer, Room 265, City Hall, upon deposit of $50.00 for general plans; $25.00 for mechanical equipment and plumbing; and $25.00 for electrical plans. Estimated costs as follows:
General Work, $559,000.
Mechanical Equipment and Plumbing, $95,000.
Electrical Work, $33,000.

BOND ELECTION
SAN JOSE, Santa Clara Co., Calif.—Santa Clara County will vote bonds in the amount of $250,000 on November 6. Proceeds to be used to finance construction of a new wing at the County Hospital near Milpitas. Preliminary plans prepared by Architects Binder & Curtis, 35 W. San Carlos St., San Jose.

Sketches Submitted For Approval
ADDITION Cost, $6000
SALINAS, Monterey Co., Calif. County Hospital Site.
One-story frame and stucco tuberculosis ward addition to county hospital (composition roof; 18-bed or 10-bed unit).
Owner—County of Monterey.
Architect—Chas. Butner, 51 Maple St., Salinas.
Application has been filed with SERA to furnish labor. Further details will be announced shortly.

To Ask Bids.
HOSPITAL AND QUARTERS
Cost, $180,000
NESPELEM, Washington. Colville Indian Agency.
Hospital, two doctors' houses, nurses' quarters (hospital will have reinforced concrete construction, light weigth steel beams, reinforced concrete floors, etc.; nurses' quarters masonry walls, asbestos shingle and clay tile roofing, hot water heating system, high pressure steam boilers).
Owner — United States Government (John Collier, Commissioner of Indian Affairs).
Architect—Schmidt, Garden & Erikson, 104 S. Michigan Ave., Chicago.
Bids will be asked by W. B. Fry, Purchasing Officer, Dept. of Interior, 18th and F Sts., N. W., Washington, D. C.

Plans Being Figured — Bids Close November 5, 2:30 P. M.
ALTERATIONS Cost, $3500
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
Alterations to half of basement to provide for 30 additional beds at the Yolo County Hospital (basement to be walled and floored with concrete, heating and plumbing facilities, etc.)
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

12— POWER PLANTS

TO ASK NEW BIDS
SEATTLE, Wash.—New bids probably will be asked by the State Board of Public Works for construction of Diablo Powerhouse building construction of combination transformer and switch platform, railroad bridge and tailrace, etc., on the Skagit River. Henrikson-Alstrom Constr. Co., Textile Tower, Seattle, at $267,298 awarded the contract, has notified the city that it is unable to obtain a performance bond on the original figures.

BIDS WANTED
SAN DIEGO, Cal.—Until October 11, 11 A. M., bids will be received by the Public Works Department, Headquarters, 11th Naval District, Foot of Broadway, San Diego, under Spec. No. 7810, for one 125 K. W. motor-generator set including switchboard, and one transformer station and appurtenances, and materials for and installation of electric and telephone wiring for making connections to the dry dock and existing circuits at the Naval Operating Base (Destroyer Base), San Diego.
Specifications obtainable from the above office upon deposit of $10.
Lieut.-Comdr. G. D. Wetsel, Assistant Public Works Officer.

TO ASK BIDS
SEATTLE, Wash.—Seattle Board of Public Works will ask new bids shortly for completion of the Diablo Powerhouse. Henrikson - Alstrom Const. Co., Textile Tower, Seattle, at $267,-298, low bidder when proposals were received Sept. 13 was unable to post performance bond. The city will demand a forfeit of $13,364, equal to 5% of the amount bid. 2

LOW BIDDERS

PEARL HARBOR, T. H.—Alta Elec. & Mechanical Co., Inc., 467 O'Farrell St., San Fransisco, at $378,850 submitted low bid to Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7604, for construction of an electrical distribution system with two substation buildings at the Repair Basin, Pearl Harbor Navy Yard. The work includes concrete, steel and iron, built-up roofing and sheet metal, pressed steel and steel rolling doors, steel windows, motor generator sets having automatic control, transformers and auxiliary equipment, new underground primary and secondary alternating current feeders, new underground direct current feeders, series lighting system and telephone cables and terminal boxes.

Second low bid was submitted by C. C. Moore Co., San Francisco, at $389,000. Complete bids will be published shortly.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

BIDS WANTED

GRASS VALLEY, Nevada Co., Cal.—Until October 5, 7 P. M., bids will be received by R. E. Deeble, Secretary, Board of Library Trustees, Grass Valley, for cement plaster to rear wall of library building in Grass Valley. Specificatiins may be obtained from Eben K. Smart, Union Bldg., Grass Valley.

Plans Being Completed

AUDITORIUM Cost, $400,000
FRESNO, Fresno Co., Cal. Fresno and Merced Streets.
Auditorium to seat 2300 on the main floor and 1200 in balcony (56-foot stage, art gallery, little theater, committee rooms, partial basement kitchen and banquet room; central-telephone system; air conditioning)
Owner—City of Fresno.
Architects—Allied Architects (W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz, and E. W. Peterson, 304 Rowell Bldg., Fresno).
Consulting Architects—Chas. Butner and Edward Glass, 175 N. Fulton St., Fresno.
Plans will be completed about October 15th.

Prospective Bidders

COURT HOUSE Cost, $40,000
WEAVERVILLE, Trinity Co., Calif.
Three-story reinforced concrete court house building (54x62 feet) 20 ft. annex to present building (steam heating system, oil burner, plumbing, electrical work, linoleum and shades, cells, guards, gates and grilles).
Owner—County of Trinity.
Architect—Jens C. Petersen, 812 26th St., Sacramento.
Following have procured plans. Bids open Oct. 8, 11 A. M.:
J. M. Yoho, 3419 4th Ave., Sacramento.
B. A. Howkins, 1985 Mission Street, San Francisco.
F. H. Nielsen, Orland.
Moore & Roberts, 693 Mission St., San Francisco.
O'Connor Bros., Red Bluff.
Chas. Unger, 4532 T St., Sacramento.
M. R. Petersen, Colfax.
J. P. Brennan, Redding.
Oliver S. Almlie, 60 Sussex St., San Francisco.
A. Young, 345 Main St., Yreka.
Paul Bartram, Red Bluff.
Young & Horstmeyer, 461 Market St. San Francisco.

Mechanical Work

A. Nicholson & Son, Vacaville.
M. R. Carpenter, 907 Front Street, Sacramento.
Hately & Hately, 1710 Tenth Street, Sacramento.
Leonard Plummer, 1019 J St., Sacramento.
Rex Moore, 616 San Antonio Way, Sacramento.

Prison Equipment

Southern Prison Co., San Antonio, Texas.
Pauli Jail Co., St. Louis, Mo.
Plans and specifications may be procured from Architect Jens C. Petersen, 812 26th St., Sacramento, upon deposit of $25.

BOND ELECTION

REDWOOD CITY, San Mateo Co., Cal.—County of San Mateo will vote bonds on November 6 in the amount of $112,000. Proceeds from which will finance construction of the proposed four - story reinforced concrete Court House annex in Redwood City. E. L. Norberg, 407 Occidental Avenue, Burlingame, and W. H. Toepke, 74 New Montgomery St., San Francisco, are the architects.

14— RESIDENCES

Sub-Bids Being Taken

RESIDENCES Cost, $8000 each
BERKELEY, Alameda Co., Cal. Berkeley Highland Terrace.
Two 2-story and basement frame and stucco residences (8 rooms and social hall each) shingle roofs, gas heating systems, tile and hardwood floors, etc.
Owner and Builder—C. M. MacGregor, 622 Highland Ave., Piedmont.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.
Plans are being prepared for three additional residences of the same size and type and sub-bids will be taken shortly. *

Contract Awarded

RESIDENCE Cost, $5500
HAYWARD, Alameda Co., Calif.
One - story and basement frame and stucco residence (6 rooms and 2 baths) shingle roof, gas heating system, hardwood floors, tile baths, etc.
Owner—John S. Alley.
Architect—G. P. Simonds, 192 Main St. Hayward.
Contractor—A. Holyoake, 2839 East Ave., Hayward. *

Planned.

COTTAGE Cost, $4000
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
One-story frame wardens cottage.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

Contract To Be Awarded.

RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal.
One-story and basement frame and stucco residence (7 rooms) English type, wood shingle roof, electric heating system, tile baths, hardwood floors, etc.
Owner—J. M. Mannon.
Architect—Erle J. Osborne, 251 Kearny St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Contract will be awarded to A. F. Mattock after certain alterations have been made to the plans.

Plans Being Figured

RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Chelton Drive and Bagshotte Drive.
One - story and basement frame and stucco residence.
Owner—Syndicate Idora Co., 5505 Telegraph Ave., Oakland.
Architect — Fred Confer, 2812 Russell St., Berkeley.

PLANNED

LONGVIEW, Wash.—Architect Ray V. Weatherby, Longview, is preparing plans for a group of 60 dwellings to be erected near Longview by the Federal Subsistence Homesteads Corp. Each unit will consist of a four- or five-room dwelling with bath, outbuildings and utilities. Construction is scheduled to start this fall.

Contract Awarded

ALTERATIONS Cost, $2250
SAN FRANCISCO. 298 Chenery St.
Alterations and additions to one-story and basement frame residence.
Owner—E. C. Counter, Jr., 298 Chenery Street.
Architect—Resing & McGuinness, 488 Pine Street.
Contractor—C. Lindberg, 615 Naylor.

To Be Done By Day's Work

RESIDENCE Cost, $3,000
SAN FRANCISCO. W Tocoloma, 310 Blanken Street.
One - story and basement frame and stucco residence.
Owner and Builder—Wm. Grahn, 2965 Mission Street.
Architect—Not Given.

To Be Done By Day's Work

ALTERATIONS Cost, $1500
SAN FRANCISCO. 2400-2404 Harrison.
Alterations to frame residence.
Owner and Builder—T. Clifford, 3839 Army Street.
Architect—Not Given.

Contract Awarded

RESIDENCE Cost, $5,000
OAKLAND, Alameda Co., Calif. 4641 Meldon Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner—H. A. Pleitner, 4020 E 14th St., Oakland.
Architect—Not Given.
Contractor—Wm. Watson, 4750 Meldon Ave., Oakland.

Contract Awarded

RESIDENCE Cost, $4500
MARTINEZ, Contra Costa Co., Calif. Pine and Brown Streets.
One-story frame and stucco residence (4 rooms).
Owner—Dr. O. A. Rose, 721 Main St., Martinez.
Architect—Not Given.
Contractor—Victor Pease, 526 Flora St., Martinez.

Additional Contracts Awarded

ALTERATIONS Cost, $——
SAN MATEO COUNTY, Calif.
Alterations and additions to various ranch buildings located on Santa Cruz Ave., Menlo Park.
Owner—Alpine Properties Company.
Architect—Noble and Archie T. Newsom, Russ Bldg., San Francisco.
Contractor—Jensen and Pedersen, 3443 Adeline St., Oakland.
Electric—Dingman's Electric Service, 1027 Allerton, Redwood City.
Painting—Nelson & Garshol, 4146 Park Blvd., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Mill Work—Lannom Bros., Fifth and Magnolia Sts., Oakland.
As previously reported, plumbing awarded to W. H. Picard, Inc., 5656 College Ave., Oakland.

To Be Done By Day's Work.

RESIDENCE Cost, $4000
SAN FRANCISCO. E Twenty-first Ave. 175 N Ortega St.
One-story and basement frame and stucco residence.

Owner and Builder — Standard Bldg. Co., 1500 Judah St., San Francisco.
Plans by Owner.

Being Done By Day's Work
RESIDENCE Cost, $5000
SANTA ROSA, Sonoma Co., Cal. Olivet District.
One - story and basement frame and stucco residence (five rooms)
Owner—C. R. Sweet, 445 Carrillo St., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Work is under way under the supervision of the architects. *

To Be Done By Day's Work.
RESIDENCE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal. No. 1290 Hamilton Avenue.
Two-story and basement frame and stucco residence.
Owner and Builder—C. W. Kemper, 125 Bryant St., Palo Alto.
Architect—Not Given.

Plans Being Prepared
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors, type of heating not determined).
Owner—Wm. Shackleton, 429 College Ave., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

To Be Done By Day's Work.
CABIN Cost, $3000
NEAR ARCATA, Humboldt Co., Cal. On the Klamath River.
One-story wood frame cabin (rustic exterior).
Owner—Withheld.
Architect—Chas. Strothoff, 2274 15th St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $——
ROSS, Marin Co., Cal.
Two-story frame and stucco residence (six rooms).
Owner—Not Given.
Architect — Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor—A. Cederborg, 1455 Excelsior Blvd., Oakland.

Contract Awarded.
RESIDENCE Cont. Price, $10,912.30
PETALUMA, Sonoma Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 2 baths) tile roof, some composition, gas fired warm air heating plant.
Owner—G. Zitlau.
Architect—Brainerd Jones, 226 Washington St., Petaluma.
Contractor—Albert Hermann, Penngrove, Calif.
Complete bids follow:
Albert Hermann, Penngrove..$10,912.30
J. H. Frahm, Petaluma..... 10,939.00
Vogensen Con. Co., Petaluma 11,000.00
Walter Singleton, Petaluma 11,385.00
Meyer & Cornelius, Petaluma 12,710.00
Heating contract is not included in the general, award will be made shortly.

Contract Awarded
ALTERATIONS Cost, $1950
BERKELEY, Alameda Co., Calif. 2821 Claremont Street.
Alterations to dwelling.
Owner—S. Williams, Premises.
Architect—Not Given.
Contractor—F. C. Stolte Co., 3455 Laguna Ave., Berkeley. 4

Contract Awarded
ALTERATIONS Cost, $2000
SAN FRANCISCO. 244 Santa Paula.
Alterations to residence.
Owner—Hibert Mitchell, 244 Santa Paula Avenue.
Architect—M. J. Rist, Phelan Bldg.
Contractor—Mager Bros. & Son, 1359 Fourth Avenue.

Contract Awarded
RESIDENCE Cost, $1000
OAKLAND, Alameda Co., Cal. Rear 1571 Bridge Avenue.
One-story 3-room dwelling.
Owner and Builder—Jos. Bettancourt, Premises.
Architect—Not Given. 4

Sub-Contracts Awarded
RESIDENCE Cont. Price, $13,190
TIBURON, Marin Co., Calif. Corinthian Island.
Two - story and basement frame and stucco residence (8 rooms and 3 baths and garage) social hall; bar; shake roof, hot air heating system, hardwood floors, tiled baths, etc.
Owner—Vincent F. Clark.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Moore & Roberts, 693 Mission St., San Francisco.
Electric—C. V. Johnson, 2416 Lake St., San Francisco.
Tile—Mangrum - Holbrook, 1235 Mission St., San Francisco.
Mill Work — Brannan Street Planing Mill, 560 Brannan St., San Francisco.

Plans Being Re-Figured
RESIDENCE Cost, $7500
BERKELEY, Alameda Co., Cal. Oakmore Highlands.
Two - story frame, stucco and brick residence (7 rooms and 2 baths) shake roof, gas heating system, hardwood floors, etc.
Owner—C. C. Lotz
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Preparing Sketches
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Piedmont Pines Tract.
One - story and basement frame and stucco residence (6 rooms, 2 baths)
Owner—Syndicate Idora Co., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Sub-Contracts Awarded
RESIDENCE Cost. $——
WOODSIDE, San Mateo Co., Calif.
Addition to two-story frame residence.
Owner—D. C. Jackling, Hobart Bldg., San Francisco, and Woodside.
Architect — Floyd Brewster, Mission Canyon, Santa Barbara.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Miscellaneous Iron—Industrial Ornamental Iron & Bronze Works, 552 Noe St., San Francisco.
Painting — Raphael Co., 270 Tehama St., San Francisco.
Plastering—Peter Bradley, 639 Brannan St., San Francisco.
Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts., San Francisco.
Mill Work — Pacific Mfg. Co., Santa Clara.
Sheet Metal—Redwood City Sheet Metal Works, 502 Arguello Blvd., Redwood City.
Plumbing—P. E. Brand, 650 Jefferson Ave., Redwood City.
Electric—M. E. Ryan, 345 Hilton St., Redwood City.

Contract Awarded.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. Twenty-seventh Avenue and Kirkham Sts.
Two one-story and basement frame and stucco residences.
Owner—R. F. Galli, 1574 28th Avenue, San Francisco.
Architect—Not Given.
Contractor — R. F. Galli, 1574 28th Ave., San Francisco.

To Ask Bids Within A Few Days.
ALTER RESIDENCE Cost, $2500
MILL VALLEY, Marin Co., Calif.
Alterations to two-story wood residence (new plumbing, painting, plastering, etc.)
Owner—J. Brogan.
Architect—D. E. Jaekle, Call Building, San Francisco.

Preparing Sketches
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Piedmont Pines Tract.
One - story and basement frame and stucco residence (6 rooms, 2 baths)
Owner—M. Hubbard.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Plans Being Prepared
ADDITION Cost, $——
MILL VALLEY, Marin Co., Calif.
Sun porch addition to residence (frame construction).
Owner—T. J. Sewell.
Architect—D. E. Jaekle, Call Bldg., San Francisco.

15— SCHOOLS

BOND ELECTION
SAN MATEO, Cal. — San Mateo School District will hold an election on October 23 at which time bonds in the amount of $25,000 will be voted. Proceeds are to be used to finance construction of a new Elementary School building in San Mateo. Trustees of the District as follows. Wm. F. Turnbull; D. P. Simmen and E. C. Lydon.

Plans Being Figured—Bids Close Oct. 13, 8 P. M.
SCHOOL Cost, $16,300
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 192 Main St., Hayward.
Bids will be opened at 8 P. M., on Oct. 13 (date changed from Oct. 14) at the residence of Mr. Guy Cauble, Dixon St., Valle Vista, four miles from Hayward.
Plans and specifications may be obtained from Mr. McCall upon deposit of check in the amount of $25 made payable to Guy Cauble.

CONTRACTS AWARDED
LONG BEACH, Los Angeles Co., Cal.—J. E. Burrell, 346 Euclid Ave., Long Beach, awarded contract by Long Beach Board of Education at $46,582 (using salvage materials), for construction of building A which includes classrooms, home economics, commercial and laboratory departments. Other contracts awarded were: Heating and ventilating to Hickman Bros., 910 E. Anaheim St., Long Beach, at $1346; plumbing to Thomas E. Williams Co., 256 Alamitos Ave., Long Beach, at $4085, and electric wiring to Coast Electric Co., 2350 Cedar Ave., Long Beach, at $5100. Martin C. Parker, 1071 E. Broadway, Long Beach, architect, and Laurence C. Waller, Kress Bldg., Long Beach, structural engineer. 5

CONTRACT AWARDED
PASADENA, Cal.—John H. Simpson 524 S. Raymond Ave., Pasadena, was awarded contract by Pasadena board of education at $82,120 for strengthening, rehabilitating and repairing the Lincoln elementary school. Plans were prepared by Frederick Kennedy, Jr.,

1041 E. Green St., Pasadena. Work will include reinforced gunite work, roof repairs, plumbing, electric wiring, plastering, concrete work, electric office heaters, incinerator, painting, etc.

BIDS WANTED

SEAL BEACH, Orange Co., Calif.—Until Oct. 19, 7:30 P. M., bids will be received by Board of Public Building Reconstruction at Seal Beach for one-story 10-classroom school on the Seal Beach elementary school site. Separate bids will be taken as follows: (1) general work; (2) electric wiring; (3) plumbing; (4) heating and ventilating. Plans available at 311 California State Bldg., Los Angeles, upon deposit of $25. Cost, $65,000. Marsh, Smith and Powell, 516 Architects' Bldg., Los Angeles, architects.

LOW BIDDER

PASADENA, Los Angeles Co., Cal. —H. Mayson, 9315 Hooper Ave., Los Angeles, submitted low bid to Pasadena Board of Education at $108,752. for reconstructing, rehabilitating and strengthening the Madison elementary school. Cyril Bennett, 311 First Trust Bldg., Pasadena, architect.

Plans Being Prepared

SCHOOL Cost, $300,000
SAN FRANCISCO, 150 Brompton.
Construct Glen Park School.
Owner—City and County of San Francisco.
Architects—Louis P. Hobart, Crocker Bldg., and Bliss and Fairweather, Balboa Building.
Structural Engineer—John B. Leonard 677 Tenth Avenue.
Mechanical Engineer — Robert L. St. John, 544 Market St.

Final Plans Approved

SCHOOL Cost, $——
LOWER LAKE, Lake Co., Calif.
One-story brick grammar school bldg. (three classrooms) tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked about Oct. 29.

As previously reported, structural
SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo County, Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner — South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Contractor—A. Pianca, 609 Pine Terrace, South San Frascisco.
Blackboards—J. W. Fricke & Co., 420 Market St., San Francisco, $1236.
Other awards previously reported.

Contract Awarded.

SCHOOL Cont. Price, $9604
BERKELEY, Alameda Co., Cal. Leroy and Buena Vista Avenues.
Rehabilitation of south wing of Hillside School.
Owner—Berkeley School District.
Structural Engineer—Thos. F. Chace, Claus Spreckels Bldg., San Francisco.
Contractor—E. T. Leiter & Son, 811 37th St., Oakland.
Complete bids published Sept. 27.

Structural Steel Contract Awarded.

SCHOOL REPAIRS Cost, $18,000
LOS GATOS, Santa Clara Co., Cal.
Repairs and reconstruction of Elementary school (timber frame bldg.) carpentry work, some structural steel, etc.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—J. C. Bonk, 45 Tait St., Los Gatos.
Structural Steel — Golden Gate Iron Works, 1541 Howard St., San Francisco.

BIDS OPENED

SAN FRANCISCO—Ace & Square Deal Floor Co., 3223 Broderick St., at $16.50 submitted low bid to Department of Public Works, for sanding floors in Domestic Science Rooms at the Daniel Webster School, preparatory to laying linoleum. Work involves approximately 1800 sq. ft. of floor space. Complete bids follow:

Ace & Square Deal Floor Co.	$16.50
Inlaid Flooro Co.	23.00
Ideal Floors	24.80

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO—Ideal Floors at $19.65 awarded contract by Department of Public Works for laying hardwood floors in two offices in the Bayview School.

Work includes laying approximately 70 square feet of 5/16 x 8 S. C. plain oak; border of same; two nails to each board and 7 in. apart. Finish with one coat paste filler, color as selected; two coats of shellac and one coat of wax. Complete bids follow:

*Ideal Floors	$19.65
Inlaid Floor Co.	74.50
Ace & Square Deal Floor Co.	83.50

*Bid not according to specifications, but accepted.

Final Plans Approved

MUSIC BLDG. Cost, $5000
SONOMA, Sonoma Co., Cal. Sonoma High School.
One-story music room for high school.
Owner—Sonoma High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Work will be started shortly under the SERA.

CONTRACT AWARDED

LOS ANGELES, Cal.—Harvey A. Nichols, 936 E. Slauson Ave., awarded contract at $40,552 by Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of annex at 95th Street school. Following sub-trade bids submitted with bid of H. A. Nichols: Owl Truck Co., demolition, $5890; Cement Gun Construction Co., gunite, $15,213; Pallor Goldstein, sheet metal, $104; Hickman Bros., plumbing, $510; J. Harman, heating and ventilating, $185 Bennett & Taylor, electric wiring, $212. Plans were prepared by the architectural division of the board, A. S. Nibecker Jr., architect.

Plans Being Completed

HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Calif.
One-story steel frame and wood high school.
Owner — Trinity Union High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Construction will be started shortly under the SERA.

Plans Awaiting Approval.

SCHOOL Cost, $12,000
WATSONVILLE, Santa Cruz Co., Cal.
Alterations and reconstruction of grammar school buildings.
Owner—Watsonville School District.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
Plans have been forwarded to Sacramento and upon approval bids will be asked.

September 28, 1934

Contract Awarded.

REPAIR SCHOOL Cont. Price $63,655
SAN FRANCISCO. Excelsior Avenue between London and Paris Sts.
Repairs and reconstruction and additions to the Excelsior Elemetary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Markel St., San Francisco.
Contractor—William Spivock, Hobart Bldg., San Francisco.
The bid of James L. McLaughlin was rejected as being irregular.
The sub-contracts submitted with Wm. Spivock's bid will be published shortly.
Work includes:
(a) Removal of portions of all exterior brick walls from concrete levels up to and including parapet walls; add concrete and anchors, exterior brick veneer, etc.
(b) Concrete walls and footings around two stairways from basement to roof; substitution of concrete floor slabs for existing wood joists and wood floors in connection with new stair halls; addition of concrete slabs over entire stair halls at third floor ceiling level.
(c) Addition of concrete bracing walls between Columns 3-15 and 7-12 from footings to roof and addition of walls in basement Columns 15-20 and 12-23.
(d) Addition of struc. steel framing, including horizontal trusses and other floor bracing beams in construction of first, second and third floors and roof and strengthening of details and connectios.
(e) Additions to Travertite Monolithic stone work to be cast in place on exterior of building.
(f) New materials for fire escapes in rear of building, cleaning and painting.

Commissioned To Prepare Plans.

SCHOOL Cost, $——
SAN FRANCISCO. Geary and Scott Streets.
Restoration of portion of Girls' High School (portion recently destroyed by fire).
Owner—City and County of San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Associates will be named immediately.

Plans Being Figured—Bids Close Oct. 14th.

SCHOOL Cost, $16,300
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 192 Main St., Hayward.

Preparing Working Drawings

SCHOOL Cost, $300,000
SAN FRANCISCO. Twenty-fifth and Bryant Streets (Sunshine - Buena Vista School).
Two-story reinforced concrete school (18 classrooms, dining room, exercise room, vocational room, rest rooms, auditorium to seat 500).
Owner—City and County of San Francisco.
Architects—Martin J. Rist, Phelan Bldg.; Charles F. Strothoff, 2274 15th St.; Smith O'Brien, 2032 Baker St., and Albert Schroepfer, 681 Market Street.

Sub-Contracts To Be Awarded
REPAIR SCHOOL Cont. Price, $63,655
SAN FRANCISCO. Excelsior Avenue between London and Paris Sts.
Repairs and reconstruction and additions to the Excelsior Elementary School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market Street.
Contractor—William Spivock, Hobart Building.
Following sub-contracts were submitted with Mr. Spivock's b'd
Painting—I. Ruderman, 1509 Oak St., $495.00.
Glass—W. P. Fuller & Co., 301 Mission St., $422.10.
Electric—Fred Johnson Electric Co., 3363 Army St., $1,800.
Miscellaneous and Ornamental Iron—Fair Mfg. Co., 617 Bryant, $249.00.
Sheet Metal—Morrison & Co., 74 Duboce Ave., $1,780.
Wrecking and Cutting—Emsco Concrete Cutting Corp., 260 Clementina St., $3,142.
Plumbing and Heating—Thos. Skelly, 1342 9th Ave., $48.00.
Ventilating—Scott Co., 243 Minna St., $417.00.
Roofing—Alta Roofing Co., 976 Indiana St., $844.00.
Travertite—The Sculptors Work Shop, 121 14th St., $8,120.00 .
Hardware—Palace Hardware Co., 581 Market St., $637.00.
Blackboards—Gill-Mann Co., 725 Tehama St., $1,173.00.
Millwork—Anderson Bros. Planing Mill Quint and Custer Sts., unit prices.
Reinforcing Steel—W. C. Hauck & Co., 280 San Bruno Ave., $2,880 27.
Structural Steel—Schrader Iron W'ks, 1247 Harrison St., $7,620.
Terrazzo—California Terrazzo Marble Co., 2085 San Bruno Ave., $1,666.

LOW BIDDERS
LONG BEACH, Cal.—W. E. Allen, 752 W Anaheim St., Long Beach, submitted low bid to Long Beach board of education at $39,320 (using salvaged materials), for reconstructing the Seaside school on Ocean Blvd. between Ventura Ave. and Riverside Dr., Long Beach. Low bidders on other contracts were: Thos. E. Williams Co., 256 Alamitos Ave., Long Beach, heating, ventilating, and plumbing, $855; B. Hartman, 168 Sunset, Long Beach, electric wiring, $2805. Roger K. Nissen, 501 Termino Ave., Long Beach, architect.

Contract Awarded.
ADDITION Cost, $898
MILL VALLEY, Marin Co., Cal. Old Mill School.
Finishing second class room in Park School.
Owner—Mill Valley School District.
Architect — Walter Falch, Hearst Bldg., San Francisco.
Contractor—Melvin Klyce, 25 Eugene St., Mill Valley.

CONTRACT AWARDED
PASADENA, Cal.—H. Mayson, 9315 Hooper Ave., Los Angeles, awarded a contract by the Pasadena board of education at $106,852, for reconstructing, strengthening and rehabilitating the Madison elementary school. Bennett & Haskell, 311 First Trust Bldg., Pasadena, architect.

LOAN APPROVED
TEMPE, Ariz. — Public Works Administration last week approved a loan and grant of $455,000 to Arizona State Teachers' College to finance the construction of several new buildings on the school campus at Tempe. Buildings included in the program are a dormitory, addition to library, students' activities building and a stadium. Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, architects. Dr. Grady Gammage is president of the college.

PROSPECTIVE BIDDERS
SCHOOL Cost, $315,000
CORVALLIS, Oregon.
Three-story brick high school (brick facing; classrooms, auditorium, gymnasium and locker rooms.
Owner—Consolidated District No. 9, Benton County, Oregon (Joint School District No. 9-A, Benton and Lynn Counties).
Architect — Whitehouse, Stanton & Church, Railway Exchange Bldg., Portland, Oregon.
Following have procured plans. Bids open October 9, 12 Noon:

General Work
Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
L. H. Hoffman, 715 S. W. Columbia St., Portland.
Ross Hammond Co., Spalding Bldg., Portland.
George Weale, 329 Oak St., Portland.
S. G. Morin, 309 S. Bernard St., Spokane.
Teufel & Carlson, Skinner Bldg., Seattle.

Plumbing and Heating
Scott Co., 243 Minna St., San Francisco.
Dinwiddie Constr. Co., Crocker Bldg. San Francisco.
Hastorf Inc., S. E. Eighth and Morrison Sts., Portland.
Kendall Plumbing & Heating Co., 64 S. W. Front St., Portland.

Wiring
NePage-McKenny Co., 115 W. Ninth St., Portland.
Grasle Electric Co., Lumbermen's Bldg., Portland.
Kimitre Electric Co., 143 S. W. Morrison St., Portland.
Dinwiddie Constr. Co., Crocker Bldg., San Francisco.
Huenergard Electric Co., Worchester Bldg., Portland.
Plans and specifications may be obtained from the architects upon deposit of $50 far general contract plans, $25 for plumbing and heating and $15 for wiring.
Bidder's bond or certified check must accompany each bid in amounts as follows: $5000 for general contract; $1000 for plumbing and heating and $500 for wiring.

Bids Wanted—To Close October 23, 11 A. M.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Plans and specifications may be obtained from the architect upon deposit of $15.00. Bids will be opened at Portola.

Plans To Be Prepared
SCHOOL Cost, $40,000
CONCORD, Contra Costa Co., Calif.
Class A high school building.
Owner—Mt. Diablo School Dist. (Miss Bertha Romaine, principal) Concord.
Architect—To Be Selected.
Further details will be announced in one week. *

Construction To Start Immediately.
MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Calif.
One - story frame and stucco music bldg. (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Construction—Wm. Radtke, P. O. Box 494, Gilroy.
The District Board of Directors will ask informal bids from local firms on various materials shortly.

Contract Awarded
SCHOOL Cont. Price, $160,829
COALINGA, Fresno Co., Calif.
Two-story science building, swimming pool and locker room.
Owner—Coalinga Union High School District (F. J. McCollum, Clerk).
Architect—W. D. Coates, Rowell Bldg. Fresno.
Contractor—W. J. Ochs, Pacific Southwest Bldg., Fresno.
Complete bids published Sept. 20.

Contract Awarded
GYMNASIUM Cont. Price, $16,510
TULE LAKE, Siskiyou Co., Calif.
One-story gymnasium.
Owner — Siskiyou Union High School Dist., Yreka (E. H. Kaupp, Clerk).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—D. M. Reid, 825 S Main St., Yreka.
Complete bids follow:
D. M. Reid, Yreka.....$16,510
F. H. Nielsen, Orland 16,779
Chas. Unger, Sacramento..... 19,400
Elmer Young, Yreka..... 19,592
J. C. Brennan, Redding..... 18,605

16—BANKS, STORES AND OFFICES

Contract Awarded
STORE Cost, $1,900
OAKLAND, Alameda Co., Calif. 1611 Third Avenue.
One-story store building.
Owner and Builder—S. G. Willson, 238 Foothill Blvd., Oakland.
Architect—Not Given. *

Sub-Bids Being Taken.
ALTERATIONS Cost, $5000
SAN FRANCISCO. 1660 Haight St.
Alterations to store (new front, etc.)
Owner—Mrs. C. E. Hart, 897 Clayton.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park. *

Contract Awarded
ADDITION Cost, $3850
SAN JOSE, Santa Clara Co., Calif. N. Garland Ave. near Race St.
One - story frame addition to present plant (40x80 ft.; checking-in room for drivers).
Owner—Langendorf United Bakeries, Inc. 1160 McAllister St., San Francisco.
Contractor—W. M. Caldwell, 1241 Hedding St., San Jose.
Architect—Not Given.

Plans Being Figured
ALTERATIONS Cost, $——
SAN FRANCISCO. Market and Mason Streets.
Alterations and additions to bank and office bldg. (work involves painting, plastering, elevator doors, marble work, mill work, glass etc.)
Owner—Capital Co., 625 Market St.
Plans by Construction Dept. of Owner.
Carpentry and marble bids are in and under advisement; mill work bids open Oct. 2; elevator doors on Oct. 3; painting on Oct. 4; glass on Oct. 4, and plastering on Oct. 5.

Planned.
ADDITION Cost, $——
SAN JOSE, Santa Clara Co., Calif. Naglee Avenue.
Addition to auditorium (add 500 seats, etc.)

Owner — Rosicrucian Order (Ralph Lewis, Secretary), Naglee Avenue, San Jose.
Plans by Engineering Dept. of Owner.
Contractor—Paul Anderson, 1210 Lincoln Ave., San Jose.

Planned
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Calif. 40 North First Street.
Alterations and additions to building.
Owner—Capital Co., 625 Market St., San Francisco.
Plans by Construction Dept. of Owner.
Proposed work is in a preliminary stage.

Heating Contract Awarded.
REMODEL BLDG. Cost, $5000
OAKLAND, Alameda Co., Cal. 14th St., bet. Franklin and Webster.
Remodel one-story bank building for three stores.
Owner—The Central Bank.
Architect — Ray Keefer, 770 Wesley Ave., Oakland.
Contractor—C. H. Thrams, 28 Home Place, Oakland.
Heating—Carl T. Doell, 467 21st St., Oakland, at $1997
As previously reported, structural steel awarded to Judson-Pacific Co., Foot of Park Ave., Oakland; electric to Wade E. Privett, 3552 Telegraph Ave., Oakland.

17— THEATRES

Sub-Contracts Awarded
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Calif.
One-story and balcony reinf. concrete theatre building (to seat 850) tar and gravel roof, air conditioning system, etc.
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Salih Brothers, 25 Taylor St., San Francisco.
Lumber—Lassen Lumber Co., Susanville.
Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.
Cement—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Roofing—Pioneer Roofing Co., Susanville.

Preliminary Plans Completed
THEATRE & MEMORIAL Cost, $——
PALO ALTO, Santa Clara Co., Calif.
Theatre and war memorial for Stanford University.
Owner—Stanford University.
Associated Architects—John Bakewell and Arthur Brown, Jr., 251 Kearny St., San Francisco.

COMPLETING PLANS
LOS ANGELES, Cal. — Architect Clifford A. Balch, 1914 S. Vermont Avenue, is completing plans for a theatre building (54x140 ft.) at southwest corner of Vermont Ave. and Russell St. for Herman Lewis. Will seat 800 people and contain two stories, of reinforced concrete construction, wood roof trusses, composition roofing, concrete floors, gunite on steel tower, metal trim, plate glass, tile toilet floors, acoustical plaster, gas furnace, metal doors, etc. Cost, $25,000.

19—MISC. CONSTRUCTION

NOTICE OF SALE
SAN FRANCISCO—Director of Property, Jos. J. Phillips, City Hall, will sell at public auction on Oct. 11 to the highest cash bidder, the house located at 2882 Army St. Sale will be held on premises at 9 A. M. Purchaser to remove same from property within 30 days.

To Be Done By Day's Work
COOLING TOWER Cost, $2,000
OAKLAND, Alameda Co., Calif. 990 22nd Street.
Rebuilding cooling tower.
Owner—The Union Ice Co., 990 22nd St., Oakland.
Plans by Owner.

Bid Opening Date Postponed Until Oct. 9. 2 P. M.
MAUSOLEUM & CHAPEL Cost, $——
WOODLAWN, San Mateo Co., Calif. Woodlawn Cemetery.
Reinforced concrete mausoleum with marble and bronze interior and concrete and granite chapel.
Owner—Masonic Cemetery Assn.
Architect—W. G. Merchant; Maybeck & White, Associated, Russ Bldg., San Francisco.
Following have procured plans, all being of San Francisco except as otherwise noted:
J. A. Bryant, Call Building.
Larsen & Larsen, 629 Bryant St.
H. H. Larsen Co., 64 South Park.
Lindgren & Swinerton, 225 Bush St.
George Maurer, 50 York Dr., Piedmont.
Ira Coburn 2048 Market Street.
Chas. Stockholm & Sons, Russ Bldg.

TO START WORK SHORTLY
BURBANK, Los Angeles Co., Cal.—Warner Brothers-First National Studios, Burbank, will start work in Oct. on the construction of four additional sound stages at the company's Burbank studio. Work will be handled by the owner's department of permanent construction, subcontracts being awarded for the steel and possibly one or two other trades. The stages will be built in two double units, each unit to cover an area of approximately 304x130 feet. They will be steel frame structures with steel trusses, rock wool insulation, steel siding doors, gas-steam heat, electrical work, etc. Cost, $300,000. An additional $100,000 will be spent for sound and other electrical equipment.

PLANNED
LOS ANGELES, Cal.—Los Angeles Union Terminal, organized by the Santa Fe, Southern Pacific and Union Pacific railways for the purpose of building the new passenger station on the Plaza site in Los Angeles, this week informed the state railroad commission that work on the project would get under way soon after the government decides on the location of the new post office building, probably on or shortly after Jan. 1, 1935. Preliminary plans are practically complete for the station, grade separations and two bridges which are to cross the Los Angeles river at Alhambra Avenue. The fill on the terminal site has been completed and grade lines for tracks established. Time for completion of the project is estimated at two years after work starts, according to M. C. Blanchard, chief of the committee of engineers in charge of the work. A. J. Barclay, construction superintendent for the terminal company, will direct all construction work. John and Donald B. Parkinson, 808 Title Insurance Bldg., are architects for the station.

To Be Done By Day's Work.
POULTRY HOUSE Cost, $5000
FRESNO, Fresno Co., Cal. NW Mono and P Streets.
One-story poultry house.
Owner—Fresno Consumers Ice Co., 702 P St., Fresno.
Plans by Owner.

BIDS OPENED
GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid 1231, for furnishing the following:
(1) 1 30-ft. steel lookout tower, fob Pasadena;
(2) 1 30-ft. do, fob Del Rosa;
(3) 1 20-ft. do, fob Del Rosa;
(1a) (2a) (3a) same fob bidder's plant.
Complete bids follow:
Dyer Bros., San Francisco, (1) $664; (2) $664; (3) $493.
Moore Dry Dock Co., Oakland, (1) $680; (2) $680; (3) $560.
Golden Gate Iron Works, San Francisco, (1) $525; (2) $525; (3) $450.
Pennsylvania Iron & Steel Co., Los Angeles, (1a) $643.50; (2a) $643.50; (3a) $597; (1) $648.50; (2) $653.50; (3) $607.
Independent Iron Works, Oakland, (1a) $536; (2a) $536; (3a) $395; (1) $603; (2) $633; (3) $463.
Hasley Mchy. Mfg. Co., San Bernardino, (1a) $754; (2a) $754; (a) $554; (1) $769; (2) $758; (3) $558.
Schrader Iron Works, San Francisco (1) $668; (2) $668; (3) $540.
International Derrick Equip. Co., Torrance, (1a) $880; (2a $880; (3a) $810 (1) $893.18; (2) $898.45; (3) $825 41.
Judson Pacific Co., San Francisco, (1a) $685; (2a) $685; (3a) $544; (1) $744 (2) $781; (3) $615.
Bids held under advisement.

Mill Work Contract Awarded
ALTERATIONS Cost, $9000
SAN FRANCISCO, Fifth and Mission.
Alterations to lobby and depot of Pacific Greyhound Lines.
Owner—Pacific Greyhound Lines, 5th and Mission Streets.
Architect—W. D. Peugh, 333 Montgomery Street.
Contractor—G. P. W. Jensen, 320 Market Street.
Mill Work—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Sts.

BIDS OPENED
SAN FRANCISCO—Farnsworth Electric Works, 549 Mission St., at (1) $112 50 for remodeling a ½-ton hoist and at (2) $35.00 for erecting and placing same on tracks in Pier Shed No. 1, Dock Area, Fort Mason, submitted low bid to Constructing Quartermaster, Fort Mason.
Work consists of adapting present ½-ton Sprague Electric Hoist, Type S-1, to new I-beam track, approximately 2-in. wider than present width of wheels; also of changing present trolley wheels to new spring shoe collectors with support bars, etc.
Complete bids follow:

Farnsworth Electric Works	(1)	$112.50
	(2)	35.00
Franklin Machine Co., Inc. (complete)	(1)	190.00
American Machine Co.	(1)	145.00
	(2)	40.00
Calif. Steel Prod. Co.	(1)	169.00
	(2)	30.00
Neptune Machine Works	(1)	175.00
	(2)	46.00
Jos. Wagner Mfg. Co.	(1)	285.00
	(2)	30.00
Meyer Rosenberg (comp.)	(1)	350.00
Golden Gate Elevator Co.	(1)	252.00
	(2)	109.00

BIDS WANTED
FORT MASON, Calif.—Until Oct. 15, 10:30 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, under Bid No. W 6616 35-4, for the completion of underground electric system at Fort Mason.
Specifications obtainable from above office upon deposit of $5.00.

BIDS OPENED
SAN BERNARDINO CO., Cal.—Pacific Systems Homes, 5800 S. Boyle Ave., Los Angeles, submitted the low bid to the Metropolitan Water District October 1, at $23,305.25, for the construction of nine frame buildings

at Division 2 headquarters, near Rice, San Bernardino County. The group will consist of an office building, mess hall, one 12-car garage and repair shop, warehouse, three 5-room cottages, one 20-man dormitory and one fan house, together with appurtenant sewers, sewage disposal plant and water supply system. The bids follow:

Pacific System Homes, (1) office building, $3,743.20; (2) one 20-man dormitory, $5106.95; (3) 12-car garage and repair shop, $1315.10; (4) warehouse, $575.05; (5) mess hall, $1858.35; (6) two 5-room dwellings, $4758.50; (7) one 5-room dwelling, $2272.65; (8) fan house, $355.90; (9) sewer and water systems, $3283.55; total $23,305.25.

John W. Flanagan, (1) $3504, (2) $5,186, (3) 1231, (4) $497 (5) $1947 (6) $4787, (7) $2307, (8) $724, (9) $3352; total, $23,535.

Fred F. Greenfield Co., (1) $3903, (2) $5028, (3) $1208, (4) $590, (5) $2097, (6) $5608, (7) $2709, (8) $803, (9) $3577; total $25,523.

Cresmer Mfg. Co., (1) $4666.35, (2) $6380.77, (3) $1656.30, (4) $918.18, (5) $2650.86, (6) $6544.26, (7) $3200.43, (8) $932.85, (9) $3484; total $30,434.

Bids taken under advisement.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

SAN FRANCISCO—Identical bids at $1.50 per hour for the rental of one 1½-c.y. dump truck for use in Sonoma County, were received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, from the following:

M. Bertolino, San Francisco; F. Mulineaux, Oakland; Rosenberg Bros. San Francisco; Miller & Wiggington, Oakland; Floyd Totten and Paul Kenney, Oakland; Chas. N. Hills, Oakland; F. Helmuth, Oakland; L. Green, Oakland; Daniel Gallagher Co., S. F.; A. E. Garcia, Jr., Irvington; Triangle Trucking Co., Oakland; Rock and Gravel Trucking Co., Oakland; Truck and Contracting Equip. Co., Oakland; H. E. Von Krusze, Guerneville; L. C. Smith, San Mateo; A. L. Philbrick, Glenwood; Howard G. Miller, Oakland; Lloyd Brukholder, Oakland; Joe Cunha Hayward; Eugene Della Rosa, Martinez; Bruno Skibo, Oakland, and G. L. Newton, Oakland.

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO.—Identical bids at $1.25 per ft. for 20,000 ft. of 2¾-inch cotton rubber lined fire hose, and $1.60 per ft. for 4,000 ft. 3½-in. cotton rubber lined fire hose, were received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1272, from the following: Pioneer Rubber Mills, San Francisco· American Rubber Mfg Co., San Francisco; Quaker City Rubber Co., San Francisco.

Bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal.—General Elec. Supply Co. has been awarded a contract at $93,000 (item 1) by the Los Angeles Water & Power Commission for furnishing transmission line hardware, overhead conductors, etc., under Specifications No. 1462.

Bids on all other items were rejected.

BIDS OPENED

LOS ANGELES, Cal.—Concrete Engineering Co., 1450 Mirasol St., Los Angeles, at $2,537.25 submitted low bid to the Los Angeles County Board of Supervisors, October 1, for furnishing 100,000 lbs. of ¾-in. round reinforcing steel in stock lengths for use in cut-off wall of San Gabriel Dam No. 1, fob district's freight yard at Azusa.

The other bids were:

Soule Steel Co., $2,537.50, and the following identical at $2,537.75: Truscon Steel Co., Pacific Coast Steel Co., J. W. Black Co., Ltd., Patten-Blinn Lbr. Co., Blue Diamond Co., California Hardware Co., Hammond Lumber Co.

CONTRACT AWARDED

OAKLAND, Cal.—Electric Corp., 178 Tenth St., Oakland, at $1,433.10 was awarded contract by the Oakland City Council for furnishing 5,620 feet of insulated cable, paper covered.

BIDS WANTED

SEARCHLIGHT, Nev.—The Mollin Investment Co., 405 S. Hill St., Los Angeles, desires bids for moving 30,000 tons of tailings from dump to mill at a mine at Searchlight, Nev. The average haul will be about 200 yards and equipment desired is a small shovel and two small trucks. The capacity of the mill is 100 yds. per day and work will last about six months.

CONTRACTS AWARDED

BOULDER CANYON, Nev.—Riverside Portland Cement Co., California Portland Cement Co., Southwestern Portland Cement Co., Monolith Portland Cement Co., Los Angeles, at $2.24 per barrel, delivered, total $896,800 awarded contract by the Bureau of Reclamation, Denver, under Spec. 625-D for furnishing 400,000 barrels of low heat cement.

Union Portland Cement Co., Ogden, Utah, at $2.18 per barrel, delivered, total $545,500 awarded contract for furnishing 250,000 barrels of Portland cement.

The other bids were:

Riverside Portland Cement Co., California Cement Co., Southwestern Portland Cement Co., Monolith Portland Cement Co., Los Angeles: (1) low heat, $896,800; (2) Portland cement, $545,500.

Calaveras Cement Co., San Francisco, (2) $573,700.

Yosemite Portland Cement Co. ,San Francisco, (2) $286,850 or 125,000 bbls.

Union Portland Cement Co., Denver, (2) $545,500.

Bids were opened in Denver Aug. 30.

CONTRACTS AWARDED

BOULDER CANYON, Nevada—Contracts have been awarded as follows by the Bureau of Reclamation, Denver, under Spec. 583, for furnishing crane rails and miscellaneous structural steel for Boulder Power Plant, Boulder Canyon Project:

Stupp Bros. Bridge & Iron Works, 3800 Weber Road, St. Louis, at $24,817 (item 1) and $2,290 (Item 2).

Kansas City Structural Steel Co., 21st and Metropolitan Ave., Kansas City, Mo., at $5,720 (Item 3) Boulder City.

Worden-Allen Co., Pt. Washington Road, Milwaukee, $974 (Item 5) Boulder City.

Consolidated Steel Corp., Ltd., Slauson and Eastern Aves., Los Angeles, $2,355 (Item 6).

Mississippi River Valley Steel Co., St. Louis, $4,950 (Item 7) Boulder Ctly.

All bids on Item 4 were rejected.

Complete bids published Aug. 24.

CONTRACT AWARDED

OAKLAND, Cal.—United States Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $2,431.20 awarded contract by the Oakland Port Commission, October 1, for furnishing 1500 ft. 8-in. line, Class C pipe; 800 ft. 6-in. line, Class C pipe, and elbows, fittings, etc.

The other bids were:

Grinnel Co. of the Pacific, San Francisco, $2,349.49.

American Cast Iron Pipe Co., San Francisco, $2450.52.

BIDS OPENED

LOS ANGELES, Cal.—E. K. Wood Lumber Co. submitted low bid to the Los Angeles County Board of Supervisors October 1 at $18,264.42, for furnishing 774,000 bd. ft. of lumber for use in the construction of a timber facing on San Gabriel Dam No. 2.

Complete bids follow:

E. K. Wood Lumber Co.	$18,264.42
Daugherty Lumber Co.	19,221.92
Owens-Parks Lbr. Co.	28,535.15

The following companies submitted identical bids at $29,158.31: Frank Graves S. D. & Mill Co., Hayward Lbr. & Inv. Co., Lounsberry & Harris Lbr. Co., San Pedro Lbr. Co., Glick Bros. Lbr. Co., Consolidated Lbr. Co., Olson Lbr. Co., Patten-Blinn Lbr. Co., Hammond Lbr. Co.

BIDS OPENED

LOS ANGELES, Calif. — California Portland Cement Co., Southwestern Portland Cement Co., Blue Diamond Co., Monolith Portland Cement Co., and Riverside Cement Co. submitted identical bids to the Los Angeles County Board of Supervisors, October 1 at $6370 for furnishing 2600 barrels of portland cement in cloth sacks for use in the construction of a timber facing on San Gabriel Dam No. 2.

MEDUSA Portland Cement PAINT

A permanent bond to concrete, brick and stucco . . . it is highly decorative . . it is dampproof . . . . it economical.

GUNN, CARLE & CO.

70 Potrero Ave UNderhill 5480 . San Francisco

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

U. S. INDIAN SERVICE

LOS ANGELES, Cal.—Until Oct. 8, 10 A. M., bids will be received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for furnishing four internal combustion engines and accessories to drive turbine pumps, for San Xavier Indian Reservation, Arizona, approximately 10 miles south of Tucson. Bids will be taken as follows:

(1) 2 vertical internal combustion engines, 20 h. p.
(2) 1 vertical internal combustion engine, 25 h. p.
(3) 1 vertical internal combustion engine, 30 h. p.

All work to include complete installation, prices f.o.b. bidder's shipping point or Tucson, Arizona. Federal Project No. 200.

KERN COUNTY

BAKERSFIELD, Kern Co., Calif.—Until October 8, 7:30 P. M., bids will be received by the Kern County Union High School District for a bus chassis and body in accordance with specifications on file in the principal's office.

M. J. Davis, clerk.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Oct. 15, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1269, for furnishing 20- 24- and 30-in. gate valves.

Specifications obtainable from above office.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until October 10, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, as follows:

SPEC. L. S. 131, 55,000 lin. ft. 4-in., 6-in. and 8-in. cast iron pipe.
PROPOSAL NO. 558, 1 motor truck chassis, 25,000 lb. capacity.

Specifications obtainable from the above office. *

NAVY DEPARTMENT

BREMERTON, Wash.—Until Oct. 10 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 571 NSA, for furnishing 100,000 lbs. of foundry pig iron, Grade D.

Specifications obtainable from above office. *

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Dept., Washington, D. C., for miscellaneous supplies, materials and equipment, as follows:

STEEL, 25,000 lbs. bar steel, Mare Island; 50,000 lbs. do, Puget Sound; 15,000 lbs. strip steel, Mare Island; 30,000 lbs. do Puget Sound; 30,000 lbs. do, Mare Island; 60,000 lbs. do, Puget Sound; 17,000 lbs. do, Mare Island; 34,000 lbs. do, Puget Sound; Sch. 3404; October 12.

BOLTS, barrel, curtain red brackets, French window or cupboard catches; screw eyes; grommets; handles; chest, etc.; East and West Yards; Sch. 3392; October 12.

NAILS, tacks, and spikes; East and West Yards; Sch. 3398; Oct. 12.

STEEL, plate, medium, black and galvanized; East and West Yards; Sch. 3400; Oct. 12.

HINGES East and West Yards; Sch. 3403; October 12.

WINCHES, two single - gear cargo winches and one set of spares; Mare Island; Sch. 3429; Oct. 12.

MOTORS, electric; controllers, and spares; East and West Yards; Sched. 3421; Oct. 12.

STEEL, 23,000 lbs. medium steel, plate; Mare Island. Sch. 3439; Oct. 16.

BRUSHES, 5,000 dauber brushes; Mare Island; 800 do, Puget Sound; Sch. 3420; Oct. 16.

EXCELSIOR, 24,000 lbs.; Mare Island; Sch. 3419; Oct. 16.

MACHINES, two electrically operated vegetable peeling machines and spares; Mare Island; Sch. 3416; Oct. 16.

STERILIZERS, 2 electrically heated combination sterilizers; Mare Island: one steam heated hot and cold water sterilizer; Mare Island; Sch. 3414; Oct. 16.

MACHINES, 7 electrically operated dishwashing machines; Mare Island; Sch. 3406; Oct. 16.

Specifications obtainable from above office. *

WAR DEPARTMENT

SAN FRANCISCO.—Captain R. B. Woolverton, contracting officer, Ninth Corps Area, Presidio of San Francisco, will ask bids shortly for one gasoline driven generator for Fort Miley.

SACRAMENTO, Cal.—Until Oct. 9 3 P. M., bids will be received by the U. S. Engineer Office, Room 208, Post Office Bldg., Sacramento, Stp. J. G. Drinkwater, District Engineer, under Order No. 6771, for furnishing and operating one dragline near Colusa, for approximately 400 hours.

Specifications obtainable from above office.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until October 22, 2 P. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing 33,000-volt power transformers, in accordance with Spec. No. 78, copies of which may be obtained at Room 1007, upon payment of $2. Certified or cashier's check, $2000. F. E. Weymouth, Chief Engineer and General Manager.

BUREAU OF PUBLIC RDS.

GOVERNMENT ISLAND, Cal.—Until October 8, 2 P. M., bids will be received by the U. S. Bureau of Public Roads, Government Island, for hauling a "75" Caterpillar tractor with trailbuilder attached, from Government Island to a point 30 miles west of Willows on Covello-Alder Springs Road. Approximate weight 31,275 lbs.

Information obtainable from above office or from the Bureau of Public Roads Office, 807 Sheldon Bldg., 461 Market St., San Francisco. *

STANISLAUS COUNTY

MODESTO, Stanislaus Co., Calif.—Until Oct. 22, 2:30 P. M., separate bids will be received by the Modesto Irrigation District, J. S. West, President, C. S. Abbott, Secretary, at the Board Room, 823 11th St., Modesto, for furnishing and delivering the following:

(1) approximately 3,530 c.y. of sand along six different sections of the Main Canal.

(2) approximately 18,000 barrels of cement in paper bags to be delivered as follows: At the siding of the Corporation Yard on Woodland Ave., Modesto, fob 6,500 bbls. and 11,500 bbls. fob Waterford.

(3) approximately 2,835 c.y. sand and 1,730 c.y. of rock along six different sections of the Main Canal.

LOS ANGELES COUNTY

LOS ANGELES, Cal.—Until October 8, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for furnishing cement, sand and gravel, and reinforcing steel to be used in the construction of a debris dam on Verdugo Wash in the City of Glendale. Bids will be taken as follows:

PROPOSAL NO. 1

(1) 5225 bbls. cement in cloth sacks, f.o.b. railroad cars at mill of bidder.

PROPOSAL NO. 2

(1) Same f.o.b. tracks at mill of bidder.

PROPOSAL NO. 3

(1) 3000 tons sand.
(2) 4100 tons screened gravel.

PROPOSAL NO. 4

(1) 375 cwt. 1-in. round deformed.
(2) 1 cwt. ⅞-in. round deformed.
(3) 560 cwt. ¾-in. round deformed.
(4) 1865 cwt. ⅝-in. round deformed.
(5) 120 cwt. ½-in. square deformed.
(6) 1065 cwt. ½-in. round deformed.
(7) 22 cwt. ⅜-in. square deformed.
(8) 24 cwt. ⅜-in. round deformed.
(9) 1 cwt. ¼-in. round plain.

Samuel B. Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

LOS ANGELES, Cal.—Until October 8, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for hauling 5225 bbls. Portland cement to be used in the construction of a debris dam on Verdugo Wash, Glendale. Bids will be taken as follows:

(1) Trucks from Monolith.
(2) Trucks from Crestmore.
(3) Trucks from Blue Diamond's Los Angeles plant.
(4) Trucks from Colton.
(5) Trucks from Victorville.
(6) Using railroad from Monolith to U. P. siding, Lexington and Glendale Aves., Glendale.
(7) Using railroad from Crestmore to above point in Glendale
(8) Using railroad from Blue Diamond's Los Angeles plant to above plant in Glendale.
(9) Using railroad from Colton to above point in Glendale.
(10) Using railroad from Victorville to above point in Glendale.

Samuel M. Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

LOS ANGELES, Cal.—Until October 8, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for furnishing 4000 untreated Douglas fir poles, 28 to 32 feet in length, butt end 12-in. and tip end 8-in. Samuel M. Fisher, Flood Control Engineer, 205 S Broadway. Mame B. Beatty, Clerk of the Board.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

LEWIS COUNTY, Wash.—Western Constr. Co., Textile Tower, Seattle, at $19,848 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, Sept. 25, for the construction of a 100 ft. reinforced concrete arch bridge with concrete girder approaches, total length 199 ft. over Summit Creek on State Road No. 5, U. S. P. W. Project NRH 161-E (1935) in Lewis County. Complete bids follow. All bidders of Seattle:

Western Constr. Co.	$19,848
Dave Nygren	21,956
Lidral Constr. Co.	22,422
Hallstrom & Hallstrom	22,969
John Arrington	23,154
W. T. Butler	23,662
MacRae Bros.	23,856

CONTRACT AWARDED

GRAYS HARBOR COUNTY, Wash.—Sheble Constr. Co., Securities Bldg., Seattle, at $81,409 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, Sept. 25, for constructing a 200 ft. steel truss span with steel girder approaches, total length 277 ft., over Wynoochee River, and a treated pile and timber trestle 70 ft. long over Sylvia Creek, on State Road No. 9, U. S. P. W. Project NRH 54-D (1935) in Grays Harbor County. Complete bids follow:

Sheble Construction Co., Seattle, $81,409.
West Coast Constr. Co., Seattle, $82,319.
Dave Nygren, Seattle, $82,770.
Carl Bjork, Seattle, $82,863.
Angeles Gravel & Supply Co., Port Angeles, $84,014.
MacRae Bros., Seattle, $85,004.
Grays Harbor Constr. Co., Aberdeen, $92,193.
Teufel & Carlson, Seattle, $93,713.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid 1237, for furnishing one 129-ft. 6-in. structural steel truss span, complete, fob bidder's shipping point:

Golden Gate Iron Works, San Francisco, $2265; ½%, 10 days; ¼% 20 days.

Herrick Iron Works, San Francisco, $2784; net.

Palm Iron Works, Sacramento, $2,440; net.

Pacific Coast Steel Co., Alameda, $2317; ½% 10 days; ¼% 20 days.

Moore Dry Dock Co., Oakland, $2788; net.

Dyer Bros., San Francisco $2674; net.

Judson Pacific Co., San Francisco, $2848; net.

Schrader Iron Works, San Francisco, $2850.

Independent Iron Works, Oakland, $2741; ½% 10 days.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, under Bid 1238, for furnishing one lot cast steel pedestals, bridge pins, rockers, bed plates, anchor bolts, superstructure bolts, etc., for the erection of 129-ft. 6-in. span. Delivery fob bidder's shipping point:

Judson Pacific Co., San Francisco, $307; 3000 lbs; net.

Columbia Steel Co., Pittsburg, $225.45; 1400 lbs.

Golden Gate Iron Works, San Francisco, $275; 3000 lbs.; ½% 10 days; ¼% 20 days.

Pacific Coast Engr. Co., Oakland, $345; 2900 lbs.; Alt., wharf and maritime, $330.

General Metals Corp., fob Government Island, $380.05; 2400 lbs.; net.

Enterprise Foundry, San Francisco, $360; 3000 lbs.

PROSPECTIVE BIDDERS

GRAND COULEE Dam, Wash.—Following have procured plans for the construction of the Columbia River Highway Bridge at Grand Coulee Dam Columbia Basin Project, Wash., about 22 miles northwest of Almira, for which bids will be opened Oct. 18, 10 A. M., by the Bureau of Reclamation, Almira, under Spec. No. 593, as previously reported:

L. Romano Engr. Corp., 1300 Dearborn, Seattle.

Teufel & Carlson, Skinner Building, Seattle.

Pacific Coast Car & Foundry Co., White Bldg., Seattle.

Joe Gerrick & Co. (steel construction) Call Bldg., San Francisco.

Pacific Coast Steel Corp., Youngstown St., Seattle.

General Const. Co., 3840 Iowa St., Seattle.

MacRae Bros., 614 Fifth St., Seattle.

Wallace Bridge & Structural Steel Co., Box 1847, Seattle.

Virginia Bridge & Iron Co., 318 Corbett Bldg., Portland.

Truscan Anderson, 2139 Kerby, Portland.

Columbia Steel Co., 2345 NW Nicolai, Portland.

J. H. Jomeroy & Co., Inc., 333 Montgomery St., San Francisco.

Judson-Pacific Co., 609 Mission St., San Francisco.

Pacific Iron & Steel Co., Tacoma.

Ingalls Iron Works Co., 2518 Encinal Ave., Alameda, Cal.

Interstate Engr. & Const. Co., Newport Wash.

Moore Dry Dock Co., foot of Adeline St., Oakland.

BIDS WANTED

BAKER COUNTY, Oregon. — Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for the construction of a bridge over Burnt River on the Old Oregon Trail near Dixie, U.S.P.W. Project No. NRH 169-E. The work involves approximately 315 c.y. excavation, 245 c.y. concrete, 32,000 pounds metal reinforcement, 27 MFBM treated lumber, and 43,000 lbs. structural steel.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

MULTNOMAH COUNTY, Ore.—Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, Third floor, Public Service Bldg., 6th and Salmon, Portland, R. H. Baldock, State Highway Engineer, for the construction of a bridge over Oregon Electric Railroad tracks on the West Side Pacific Highway south of Portland, U.S.P.W. Project No. NRH 203-B. The work requires approximately 1,300 c.y. excavation, 990 c.y. concrete, and 191,000 lbs. metal reinforcement.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

SOLOMONSVILLE, Ariz.—Until October 18, 2 P. M., bids will be received by Arizona State Highway Commission, Phoenix, for the widening of two concrete bridges within the town of Solomonsville, and the construction of two new concrete bridges at sites within ½ mile of the town, on the Geronimo-Solomonsville Highway, N R H 67 (1935) A.F.E. 1804.

The work involves:
(1) 370 c.y. structural excavation;
(2) 500 c.y. drainage excavation;
(3) 255 c.y. concrete;
(4) 23,000 lbs. reinforcing steel.

Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer. Certified or cashier's check, 5%.

BIDS WANTED

SAN FRANCISCO.—Until Nov., 7, 2 P. M., bids will be received by the Department of Public Works, San Francisco-Oakland Bay Bridge, Room 811, 500 Sansome St., for the final field painting of all steel superstructure, including cables and attachments of the West and East Bay crossings of the San Francisco-Oakland Bay Bridge.

The approximate quantities of steel to be painted in the two crossings are as follows:
(1) 24,000 tons steel in towers to be painted, West Bay Crossing;
(2) cables & accessories to be painted;
(3) 39,000 tons steel in spans to be painted, West Bay Crossing;
(4) 53,000 tons do, East Bay Crossing;

NOTE: Item 2 includes painting of the following:
19,000 tons cables;
226,000 l.f. 2¼-in. dia. suspender ropes;
38,000 l.f. 1-in. dia. hand ropes;
850 tons cable castings.

Specifications obtainable at the office of the Engineer, 500 Sansome St.

CAPITAL CITY TITLE COMPANY

J. C. PALEN, *Manager*

914 Seventh Street

Sacramento :: California

CONTRACT AWARDED

SAN MATEO, San Mateo Co., Cal.—X. Carrithers, 515 N. Delaware Street, San Mateo, and Hugo Hultberg, 29 San Mateo Drive, San Mateo, at $1425.22, bidding jointly, submitted low bid and awarded contract by the San Mateo City Council for the construction of a concrete box culvert under Palm Ave. between 21st and Bell Streets.

Complete bids follow:

Carrithers and Hultberg, San Mateo	$1425.22
L. C. Smith, San Mateo	1475.00
A. Cameretto, San Mateo	1888.55
G. W. Williams, Burlingame	2185.00

CONTRACT AWARDED

CLACKAMAS COUNTY, Ore.—Shattuck & Neland, 2014 NW. Glisan St., Portland, at $7,610 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for the construction of a substructure for crossing of East Portland-Oregon City Highway under the S. P. Co.'s railroad tracks at Milwaukie; National Recovery Project NRM 168-G.

Complete total bids follow:

Shattuck & Neland, Portland	$ 7,610
Joplin & Eldon, Portland	8,184
Hoffman Const. Co., Portland	9,155
Barham Bros., Salem	9,124
S. A. Bingham, Portland	9,485
O. N. Pierce, Portland	9,840
Mountain States Const. Co., Eugene	12,355
United Contr. Co., Portland	13,177
Parker-Schram Co., Portland	13,680

BIDS WANTED

UKIAH, Cal.—Until October 10, 7:30 P. M., bids will be received by the Ukiah City Council, Fred L. Bosworth, City Clerk, for the construction of a reinforced concrete culvert with headwalls and railings across Gibson Creek on Bush street.

Plans and specifications obtainable from the City Engineer.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

MARYSVILLE, Cal—Until October 10, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, for raising and strengthening existing levees along the Feather and Yuba Rivers, near Marysville, as follows:

(1) A stretch of levee on the southerly side of Yuba River in Reclamation District No. 784, known as "Morrison Grade" and lying between the "D" St. bridge and the S. P. R. R. track, a distance of about 3000 ft., involving 34,000 cu. yds. earth embankment.

(2) A stretch of levee on the easterly side of Feather River extending from near 11th St. to about 600 feet northeasterly of "B" St., Marysville, a distance of about 8000 ft., involving 78,000 cu. yds. earth embankment.

Specifications obtainable from the above office.

BIDS WANTED

SACRAMENTO, Cal.—Until October 9, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. F. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. No. 6707, for the construction of the Tisdale Weir Abutments and for connecting abutments to existing levees by earth embankments. The weir is on the easterly side on the Sacramento River downstream about 10 miles from Meridan. Work involves:

(1) 130 cu. yds. excavation;
(2) 750 lin. ft. piling in place;
(3) 103 cu. yds. concrete;
(4) 6400 lbs. reinforcing steel.
(5) 4000 cu. yds. embankment;
(6) 10 cu. yds. gravel base;
(7) 60 tons rock revetment.

Specifications obtainable from the above office.

BIDS OPENED

SACRAMENTO, Cal.—Lord & Bishop, Native Sons Bldg., Sacramento, at $2.60 per ton, total $8840 submitted low bid to the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, under Spec. No. 6751, for furnishing delivering and placing approximately 3400 tons of rip-rap stone along the easterly bank of the Sacramento river just below Colusa Weir and approximately 1.5 mi. upstream from Colusa.

O. G. Ritchie, San Jose, at $2.93 per ton, total $9962 submitted the only other bid.

BIDS WANTED

LOS ANGELES, Cal.—Until October 15, 2 P. M., new bids will be received by the Los Angeles County Board of Supervisors for the construction of Unit No. 7 San Gabriel River outlet at Alamitos Bay. Bids will be taken as follows:

PROPOSAL NO. 1

(1) 140,000 cu. yds. excavation;
(2) 19 200 tons rip rap via rail (district to pay freight);
(3) 1900 lin. ft. R. R. track on top of levees.

PROPOSAL NO. 2

(1) 140,000 cu. yds. excavation;
(2) 19,200 tons rip rap via truck (district to pay freight).

Samuel Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

Bids on this project were previously opened August 6, and rejected September 26. R. A. Wattson, 1026 McCadden Place, Los Angeles, at $45,021 (Proposal No. 1) and $49,424 (Proposal No. 2) submitted the low bids but later petitioned for permission to withdraw both bids.

BIDS OPENED

COOS BAY, Ore.—The Port of Coos Bay, Marshfield, Oregon, at $7,404 submitted the only bid to the U. S. Engineer Office, Portland, Sept. 28, under Bid No. 35-166, for dredging approximately 32,000 c.y. of material from the channel in Coos Bay, on Pony Slough Shoal immediately below the S. P. R. R. bridge.

Engineer's estimate, $7,328.

CONTRACT AWARDED

SANTA MONICA, Cal.—Merritt-Chapman & Scott Corp., 720 Wilmington Road, San Pedro, at $3940 awarded contract by the Santa Monica City Council for the reconditioning and repair of the breakwater in the City of Santa Monica in accordance with Spec. No. 61.

BIDS WANTED

SACRAMENTO, Cal.—Until October 11, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6732, for the raising and strengthening of an existing levee on the easterly side of the Sacramento River, between Colusa and Butte Slough for a distance of about 3850 feet, the total amount of earth to be moved being approximately 82,000 cubic yards.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

OAKLAND, Cal.—Simonds Machinery Co., 818 Folsom St., San Francisco, at $1199.25 submitted low bid to the East Bay Municipal Utility District, Oakland, under Spec. No. LS 130, for furnishing and installing two centrifugal pumps and motors at the Orinda Filter plant. Complete bids follow:

Simonds Mach. Co., S. F.	$1199.25
Western Engrg. Co., S. F.	1323.00
Woodin & Little, Inc., S. F.	1339.20
United Iron Works, Oakland	1346.00
A. R. Tharson	1383.40
Alts., $1436.80 and $1238.40.	
Fairbanks Morse, S. F.	1394.80
Worthington Pump Co., S. F.	1448.80
Byron Jackson Co., Berkeley	1453.98
DeLaval Steam Turbine Co., San Francisco	1493.98
Allis Chalmers Co., S. F.	1532.00
Ingersoll-Rand Co., S. F.	1540.00
Dayton-Dowd	2184.60
Dayton-Dowd (Alt.)	1531.30

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing equipment for mixing and placing concrete lining in 16-ft. tunnel, Spec. No. 73, were opened by the Metropolitan Water District Sept. 25. Bids were taken as follows:

SCHEDULE NO. 1

(1) lump sum price for equipment, complete;
(1a) price per box for 6 to 36 additional batch boxes, if ordered within 150 days;
(1b) price for furnishing one additional complete plant;
(1c) price per box, for 6 to 36 additional boxes.

SCHEDULE NO. 2

(2) alternative: lump sum price for equipment complete;
(2a) same at (1a);
(2b) lump sum price for one additional complete plant;
(2c) same as (1c).

The bids were:

Brown-Bevis Co. Schedule 1, (1).....; (1b) .....; Schedule 2, (2) $15,400; (2b) $15,400; Schedule 3 Alt., (3) $.....; (3b) $.....

Consolidated Steel Corp., Schedule 1, (1) $16,400; (1b) $16,400.

Ransom Concrete Mchy Co., Schedule 1, (1) $15,700, (1b) $15,200; Schedule 2, (2) $14,286, (2b) $13,786.

Ransom Concrete Mchy. Co. (Alt.) Schedule 3, (3) $16,275; (3b) $15,775.

Additional information which could not be included in the above follows:

Brown-Bevis Co., Rex paver, fob cars Milwaukee, Wis., shipping weight 60,280 lbs.; no discount. Bidding only on Schedule 2: item (2) $15,400. Additional bodies: first two $300 each, others $290 each. Item (2b) $15,400. (2c) additional bodies, $290 each.

Consolidated Steel Corp., Ltd., fob cars Los Angeles, weight 78,800 lbs.; no discount. Schedule 1, item (1) $16,400; (1a) additional boxes $75 each box; (1b) $16,400, (1c) additional boxes $75 each box.

Ransom Concrete Machinery Co., Dunellen, N. J., fob cars Dunellen. Weight 74,000 lbs; no discount. Schedule 2, bidder's specifications: fob cars Dunellen. Weight 70,000 lbs.; no discount. Alternative bid (schedule 3) cars fob Koppel, Pa., balance of equipment fob Dunellen. Weight cars 48,000 lbs., balance of equipment 28,000 lbs. No discount. Schedule 1, item (1) $15700; (1a) additional boxes, first six, $50 each, other boxes, $48 each; (1b) $15,200; (1c) additional boxes, $48 each. Schedule 1: (2) $14,286; (2a) first six additional boxes, $50 each, others $48; (2b) $13,786; (2c) additional boxes, $48. Alternative bid: Schedule 3, $16,275; (3a) each additional batch body, first two $442 each, next two $442 each, others $400 each; (3b) $15,775; (3c) additional boxes, first two $400 each, next 2, $397, next 2, $395, next 2, $393, next 3, $391, and last two, $389.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply

Depot, Government Island, Oakland, under Bid No. 1249, for furnishing one concrete mixer, 7½-cu. ft. capacity tilting drum, heavy duty, trailer type, with 3½-hp. gas engine fob bidder's shipping point:

Spears Wells Mchy. Co., fob Milwaukee, $370.

Kratz McClelland Co., fob Wisconsin, $314.50; Alt. $293.25.

Jenison Mchy. Co., fob Milwaukee, $945.

Edward R. Bacon Co., fob Columbus, Ohio, $360; alt., $635; alt. $375.

Bids held under advisement.

BIDS OPENED

SAN MATEO COUNTY, Calif.—Following bids received by Ernest H. Werder, San Mateo County Purchasing Agent, Court House, Redwood City, for furnishing: (1) one 2-c.y hydraulic scraper, including hydraulic pump unit, control lever and valve, hose and connections installed on 30-h.p. tractor Holt-Caterpillar No. 45372, and (2) one 4-c.y. hydraulic scraper, including hydraulic pump unit, control lever and valve, hose and connections, installed on 60-h.p. tractor Best No. 1943:

Associated Equipment Co., new (1) $722; (2) $1202.

E. R. Bacon Co., used (Ateco S-60, 4-yd.) $633.20; (Ateco S-10) $980.

Robinson Tractor Co., new (1) $1,092.50; (2) $1425; used, (2) $950.

Davenport Mfg. Co., new (Jumbo Big 7) $1065.90; (Jumbo Big 8) $1174.20 (Jumbo 6 ft.) $703.95; (Jumbo DLS) $1175.15; (Jumbo DL8) $975.65; (Jumbo 7-A) $1070.65.

R. G. LeTourneau, new, (6 yd. Carry All) $3586.25; (8 yd. Carry All) $4,108.75.

American Tractor Equipment Co., new, (1) $1092 50; (2) $1425; used, (2) $950.

All bids include cash discount. Bids held under advisement.

BIDS OPENED

SAN MATEO COUNTY, Calif.—Following bids received by Ernest H. Werder, San Mateo County Purchasing Agent, Court House, Redwood City, for furnishing one bulldozer or combination bulldozer trail-builder for 30-hp. Caterpillar tractor:

Associated Equip. Co., used, $500 (Ateco).

Robinson Tractor Co., new ($997.50 (Ateco Model B); $1159.95 (Master); used, $522 50 (Ateco Overhead).

R. G. LeTourneau, new, $1273 (LeTourneau Cable Control).

P. B. Hackley, used, $1300 (McMillan with tractor).

American Tractor Equip. Co., new $987.50 (Ateco).

Gar Wood Industries Co., new $764.75 (Gar Wood).

Bids held under advisement.

BIDS OPENED

SAN MATEO COUNTY, Calif.—Following bids received by Ernest H. Werder, San Mateo County Purchasing Agent, Court House, Redwood City, for furnishing one power scarifier, hydraulically operated, for use with 50-h.p. tractor:

Bids held under advisement.

Associated Equip. Co. (Ateco "60" Rooter) $1,065. used.

E. R. Bacon (Ateco R-5) $879 63 used; trailbuilder (Wooldridge) used, $1027.53; scarifier (Wooldridge R-2) used, $975.10.

Robinson Tractor Co. (Knapp R-7) new, $1710; trailbuilder (Master) used, $1235.

C. L. Jordan (Jordan) used $500.

R. G. LeTourneau (LeTourneau Cable Control) new, $1757.50.

American Tractor Co. (Ateco) new, $1365.

Gar Wood Industries Co., trailbuilder (Gar Wood) $1128.12.

Bids held under advisement.

BIDS OPENED

SAN MATEO COUNTY, Calif.—Following bids received by Ernest H. Werder, San Mateo County Purchasing Agent, Court House, Redwood City for furnishing one power-driven broom complete with power take-off installed on McCormick-Deering Model 20 Tractor, No. 437 DBW-994DA.

Associated Equip. Co., new ($549.05 (Hough-Tu-Way 74-in.)

J. D. Adams Co., new $573.79 (Hough Tu-Way 60-in.) $418 46 (Detroit 66-in.)

E. R. Bacon Co., new, $375.73 (Detroit 66-in.) without power take-off.

Bids held under advisement.

BIDS WANTED

LUALUALEI, T. H.—Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, Oahu, T. H. Specification No. 7801. Plans and specifications may be obtained from above office and from Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, and from Commandant, Fourteenth Naval District, Pearl Harbor, T. H., upon deposit of $10.

BIDS WANTED

SUMMIT, Canal Zone — Bids are being received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for motor and hand operated winches for antennas at the Naval Radio Station, Summit, Canal Zone. Specification No. 7800. Plans and specifications may be obtained from above office and from Commandant, Fifteenth Naval District, Balboa, Canal Zone, upon deposit of $10.00.

EQUIPMENT CONTRACT AWARDED

GRAND COULEE, Wash.—Mason-Walsh-Atkinson-Kier Co., Spokane has awarded contract to Jeffrey Mfg. Co., Columbus, Ohio, for equipment to move 11,000,000 cu. yds. of earth to be excavated at Grand Coulee Dam site. Contract price approximately $300,000.

30—RESERVOIRS & DAMS

BIDS OPENED

LOS ANGELES, Calif.—Case Const. Co., 905 Westminister Ave., Alhambra, at $169,627.50 submitted low bid to the Los Angeles County Board of Supervisors, October 1, for constructing a timber facing on San Gabriel Dam No. 2.

Total bids follow:

(A) Case Const. Co., Alhambra, $169,627.50.

(B) Kemper Const. Co., Los Angeles, $177,680.00.

Unit bids follow:

(1) 3500 c.y. excav., (A) $375; (B) $4;
(2) 4000 c.y. earth fill, (A) $.50; (B) $.60;
(3) 1,500,000 gals. dewatering reservoir, (A) $.75; (B) $.70;
(4) 285,000 sq. ft. removing 6-in. facing slab and 4-in. envelope slab, (A) $.28; (B) $.30;
(5) 400 c.y. removing misc. concrete and gunite, (A) $15; (B) $17;
(6) 1100 c.y. placing gunite, (A) $25; (B) $26.50;
(7) 775,000 FBM placing timber facing, (A) $33.50; (B) $35;
(8) 4000 lbs. reinf. steel, (A) $.06; (B) $.05;
(9) 4500 l.f. drilling dowel holes, (A) $1.00; (B) $1.20;
(10) 375 c.y. placing poured concrete, (A) $25; (B) $20.

TO COMMENCE CONSTRUCTION

GRAND COULEE, Wash. — Actual construction of the $29,339,301 Grand Coulee Dam contract will start immediately by the Mason-Walsh-Atkinson-Kier Company. Officers of the firm were recently elected as follows:

Directors: Silas B. Mason, T. J. Walsh, Guy F. Atkinson, Lee J. Fisher, W. A. Hanger, M. J. Whitson, David Small and W. E. Kier.

Officers of the corporation elected by the board of directors are:

Silas Mason, chairman of the Board; Mr. Walsh, president; Mr. Atkinson, first vice-president; Mr. Whitson, second vice-president; Mr. Hanger, treasurer; E. L. Kier, secretary; John J. Walsh, assistant secretary; H. L. Myer, job manager; George H. Atkinson, assistant job manager; Francis Donaldson, chief engineer, and M. H. Slocum, superintendent.

The general management and policy of the organization will be directed by an executive committee composed of Mr. Mason, T. J. Walsh, Guy F. Atkinson and Mr. Hanger.

The corporation heads are now engaged in studying the literally hundreds of bids which have been received. Among the first items up for award will be the materials for a 2,000-man camp at Mason City, the construction of a 30-mile transmission line from Coulee City to the dam, and roads and bridges to give access to the work.

It is reported that the first bridge across the Columbia River near the site of the Coulee Dam will be completed in about two weeks. Work on the structure, which will serve as a temporary span to convey heavy equipment over the river, has just been started with the grading of the approach and pile driving will be started as soon as as a driver can be erected.

The railroad bridge, to be constructed of steel, will soon be built about ½ mile below the damsite.

The plant and office of the Three Engineers Company, Inc., of Seattle, who are furnishing light and power for all the smaller contractors and for the private townsites must be moved. This plant consists of two units, one 100-hp. and one 360-hp., and weighs about 90 tons.

The Addison-Miller west side camp must be moved also since it is within the area of the cofferdam.

Frank A. Banks, Almira, is project engineer.

31—PIPE LINES & WELLS

CONTEMPLATED

PASADENA, Cal. — The City of Pasadena has approved the proposed construction of a 1750 ft. tunnel to divert flood waters from the spoil banks in San Gabriel Canyon to protect the Morris Dam Reservoir. The county flood control engineer, S. M. Fisher, has announced that the cost is estimated at 370,000 and that the proposed tunnel will be 1750 ft. in length, 5 ft. in diameter, and constructed with concrete lining.

BIDS WANTED

LIVERMORE, Alameda Co., Calif — Until Oct. 15, 2:30 P. M., bids will be received by the Supervising Superintendent of Construction, Veterans Administration Facility, Palo Alto, L. H. Tripp, Director of Construction, for laying and finishing complete a water line under Arroyo Del Valle, for the Veterans' Administration Facility at Livermore.

Plans and specifications obtainable from the above office and from the Manager, Veterans Administration Facility, Livermore.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Following are additional plan-holders for the construction of cut-and-cover conduit, concrete-lined canal, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, under Sec. No. 70, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, October 11, 10 A. M., as previously reported:

Johnson-March Corp., 7012 Stanford Ave., Los Angeles.

A. F. Jeinze, 520 N. Mission Drive, San Gabriel.

E. K. Wood Lumber Co., 4071 Santa Fe Ave., Los Angeles.

Minder Constr. Corp., 228 N. La Salle St., Chicago.

Blue Diamond Corp., 1650 S. Alameda St., Los Angeles.

R. A Conyes Co., Mecca, Calif.

Henry J. Kaiser Co., 1522 Latham Square Bldg., Oakland.

Previous lists of prospective bidders published September 7, 13, 14, 19, 25 and 27.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal. — George J. Bock Co., 1007 S. Harvard Blvd., Los Angeles, and D. MacDonald, 204 23rd St., Sacramento, have procured plans for the construction of cut-and-cover conduit, concrete-lined canal, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, under Sec. No. 70, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, October 11, 10 A. M., as previossuly reported.

Previous lists of prospective bidders published September 7, 13, 14, 19, 25, 27 and October 2.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SACRAMENTO, Cal.—Until Oct. 11, 3 P. M., bids will pe received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. No. 6718, for furnishing, delivering and carefully placing approximately 24,000 tons of Class A or Class B riprap stone in sizes 20 to 300 lbs., along the banks of the Sacramento river at various points between the mouth of Cache Slough and Collinsville, as directed by the contracting offices.

Specifications obtainable from above office. *

BIDS WANTED

GUSTINE, Cal.—Until Oct. 8, 7:30 P. M., bids will be received by the Gustine City Council, W. L. Chappell, City Clerk, for furnishing materials and constructing an industrial sewer consisting of approximately 2,444 feet of 18-in. concrete irrigation pipe; 724 ft. of 14-in. concrete irrigation pipe; 4 manholes, and 3 8-in. vents.

Plans and specifications obtainable from W. R. Sherman, Engineer, Newman, Calif. *

PROSPECTIVE BIDDERS

PHOENIX, Arizona—Following have procured plans for the contruction of sanitary sewers, bids for which will be opened by the Phoenix City Commission, Oct. 10, 10 A. M., as previously reported:

W. S. Dickey Clay Products Co., Kansas City.

Pacific Clay Products Co., Los Angeles.

Gjellefald Const. Co., Forest City, Iowa.

Construction Service, Inc., Denver

Deming Corp., 4227 Whiteside Ave., Los Angeles.

Gladding, McBean & Co., 2901 Los Feliz Blvd., Los Angeles.

Redwing Sewer Pipe Corp., Redwing Minnesota.

E. R. Waggoner, Phoenix.

Ulen Contracting Corp., Chicago.

Phoenix-Tempe Stone Co., Phoenix.

PROJECT ABANDONED

CARMEL, Monterey Co., Cal.—Plans for a second bond issue to authorize funds for construction of a sewage treatment plant and outfall line have been abandoned by directors of the Carmel Sanitary District. The district has withdrawn its application for a PWA grant of $22,000.

BIDS WANTED

PHOENIX, Arizona—Until October 10, 10 A. M., as previously reported, bids will be received by the Phoenix City Commissioner for the construction of sanitary sewers in accordance with plans and specifications prepared by C. E. Griggs, City Engineer. This project will be built with PWA funds at an estimated cost of $375,000. The job, which is divided into four units, consists entirely of vitrified clay pipe in sizes ranging from 6 to 21 inches. Following is a table of quantities involved in the project:

(1) 4000 ft. 6-in. pipe;
(2) 222,103 ft. 8-in. pipe;
(3) 15,464 ft. 10-in. pipe;
(4) 15,609 ft. 12-in. pipe;
(5) 15,296 ft. 15-in. pipe;
(6) 7052 ft. 78-in. pipe;
(7) 1512 ft. 21-in. pipe;
(8) 158 manholes;
(9) 46 flush tanks;
(10) 6 lamp holes;
(11) 1553 wyes.

Under the specifications as drawn, bidders may submit proposals either on a general contract to furnish both labor and material, or may bid on labor or material separately. Under this latter provision vitrified pipe manufacturers may submit bids direct to the city and take advantage of Executive Order No. 6767, which permits a tolerance of 15% below the code prices in bidding to municipalities. Contractors who are interested only in the labor contract may bid this separate from the pipe. In awarding contract, the lowest bid will be accepted (subject to the order of the city commission) whether it is in the form of a general contract for furnishing both labor and material, or a combination of pipe seller's bid and labor contractor's bid.

Plans and specifications are available at the office of the city engineer, City Hall, Phoenix. Complete sets of specifications covering alternate methods of bidding will cost $5. Sets of plans will cost as follows: Unit S 342-A, $15; S 342-B, $25; S 342-C, $20; S 342-D, $25; or, for each complete set of plans, $85.

C. E. Griggs, ex-officio city engineer.

AWARD RECOMMENDED

PHOENIX, Ariz.—C. E. Griggs, City Engineer, has recommended to the city commission that R. S. Seabrook Co. (Elliott, Stroud Bros. & Seabrook) 1949 Kenneth Road, Glendale, Calif., be awarded the contract at $264,734.70 for constructing the storm drain system.

BIDS WANTED

SAN FRANCISCO. — Until Oct. 17, between 1:30 and 2:30 P. M., bids will be received by the Department of Public works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the improvement of Bradford Street between Cortland Ave. and a point 160 ft. northerly from the northerly line of Jarboe Ave., including the intersection of Bradford St. and Cortland Ave., by the construction of the following sewers and appurtenances: (1) 410 l.f. 8-in. VCP sewer in place; (2) 28 8x6-in. wye branches in place; (3) 2 brick manholes, complete.

Estimated cost, $1650. Plans and specifications obtainable from City Engineer John J. Casey. *

33— WATER WORKS

BIDS WANTED

SAN FRANCISCO.—Until Oct. 15, 3 P. M., as previously reported, bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid 1269, for furnishing gate valves as follows:

PROPOSAL A

Lot No. 1: one 20-in. dia., non-rising stem double disc, spur geared, gate valve for 150 lbs. water working pressure.

Lot No. 2: seven 24-in. dia. do.

Lot No. 3: three 30-in. dia. do.

Under Proposal A bids may be submitted on any lot or lots, but no portion of any lot.

PROPOSAL B

Combination of Lots 1, 2 and 3, same as Proposal A.

Specifications obtainable from above office. *

AWARDS

RIO BRAVO, Kern Co., Cal.—Western Pipe & Steel Corp., 444 Market St., San Francisco, awarded contract by the Standard Oil Company of California for construction of five 138,000-barrel steel tanks for oil storage at the eastern terminal of the Rio Bravo-Estero pipe line. Contractors for the grading and concrete foundations has been awarded to Owl Truck & Materials Co., 420 S. Alameda St., Compton. *

CONTRACT AWARDED

ESTERO BAY, San Luis Obispo Co. Cal.—Consolidated Steel Corp., Slausen and Eastern Aves., Los Angeles, was awarded contract by the Standard Oil Company of California for construction of six 138,000-barrel steel tanks for oil storage at the western terminal of the Rio Bravo-Estero pipe line. Contract for the grading and concrete foundations has been awarded to the Lang Transportation Corp., 5501 Santa Fe Ave., Los Angeles. *

CONTRACTS AWARDED

OGDEN, Utah.—John W. Beam, Chicago, at $9,009.66 (Schedule 1) awarded contract by the Bureau of Reclamation, Ogden, for furnishing and delivering fob cars at factory shipping point or at Ogden, 72-in. penstock pipe and 6-in. outlet pipe for outlet works at Pine View Dam, for the Ogden City water supply system.

Associated Piping & Engr. Co., Ltd., 1915 E. 51st St., Los Angeles, at $4,195.73 (Schedule 4) awarded contract for furnishing steel pipe and fittings.

All bids on Schedule 2, 38-in. pipe and appurtenant parts, are being held under advisement.

All bids on Schedule 3, 8- 12- 16- and 20-in. dia., collecting piping, were rejected.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until October 10, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, under Bid No. 6754-35-3, for the construction of a drainage ditch at Hamilton Field.

Plans and specifications obtainable from the above office upon deposit of $5.00. *

BIDS WANTED

SAN FRANCISCO.—Until Oct. 17, 3 P. M., bids will be received by the

Public Utilities Commission, Room 287, City Hall, Felton Taylor, Secretary, for the laying of 6- and 8-inch cast iron mains in the area from Division Street to Esmeralda Avenue and from Mission Street to Iowa Street, under Spec. W. D. 51.

Specifications may be obtained at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00. *

BIDS WANTED

SAN FRANCISCO.—Until Oct. 17, 3 P. M., bids will be received by the Public Utilities Commission, Room 287, City Hall, Felton Taylor, Secretary, for the laying of 6- and 8-inch cast iron mains in the area from Ocean Ave. to Alemany Blvd. and from Junipero Serra Blvd. to Lee Ave. under Spec. W. D. 50.

Specifications may be obtained at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

BENTON FIELD, Alameda Co., Cal. —Until October 15, 10 A. M., bids will be received by Constructing Quartermaster, Fort Mason, for top-soiling, fertilizing and seeding at Benton Field Air Depot, Alameda. Plans and specifications may be obtained from Constructing Quartermaster, Fort Mason, upon deposit of $5.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until Oct. 31, 11 A. M., bids will be received by Constructing Quartermaster, Hamilton Field, for constructing fences around quartermaster buildings at Hamilton Field. Work involves:

(1) 732 lin. ft. fencing;
(2) two 20-ft. gateways;
(3) one 26-ft. gateway;
(4) four 10-ft. gates;
(5) two 13-foot gates.

Plans and specifications may be obtained from above office upon deposit of $5.00 and a copy will be on file in the above office of the Builders' Exchange, 666 Mission St., San Francisco, and at the Office of the Constructing Quartermaster, Fort Mason, San Francisco.

BIDS WANTED

HONOLULU, T. H.—Until Nov. 26, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for landscaping grounds of the U. S. Immigration Station at Honolulu. Plans and specifications may be obtained from above office.

BIDS OPENED

SAN FRANCISCO. — Following bids received by Veterans' Administration Facility, Palo Alto, for shrubs, trees, loam, etc., at the Veterans' Administration Facility, Ft. Miley, San Francisco. Work involves:

(1) trees and shrubs;
(2) 1600 cu. yds. manure;
(3) 700 bales peat moss;
(4) 1800 lbs. Italian rye seed.

California Nursery, (1) $6,700; add alternate, $125; (2) $2,880; (3) imported, $1,085, domestic, $475; (4) $135; 2% 10 days; 1% 20 days; net 30 days.

Golden Gate Nursery, (1) $8,602.75; add, alternate, $232.80; (2) $2400; (3) Swedish imported, $1,085; (4) $144; 2½ percent 10 days; 2% 20 days; 1% 30 days.

College Hill Nursery, (2) $1,600; (3) $1,050; (4) $144. All prices net.

G. Lehner, (2) $2,848; 2% 20 days; 1% 30 days.

Louis Pinard, (2) $2,960; Net.

Devincenzi Bros., (2) $3,360; net.

L. C. Vicente, (2) $3,360.

Max Rosenberg, (2) $3,888; 2¾% 10 days; 1½% 10 days; 1% 30 days.

H. V. Carter, (4) $328.50; 2% 10 days; net 30 days.

Bids referred to Washington for awards. *

29—STREETS AND HIGHWAYS

BIDS WANTED

KLAMATH COUNTY, Oregon—Until October 12, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Crater Lake National Park, Rim Road PEC-7-C1, Unit 2, Grading, National Park Road Project, located within the Crater Lake National Park, Klamath County, Oregon.

The length of the project is approximately 2.384 miles and involves:

(1) 26 Acres clearing;
(2) 18 acres grubbing;
(3) 206,700 cu. yds. unclassified excavation;
(4) 1,540,000 sta. yds. overhaul;
(5) 2.384 mi. finishing earth graded road;
(6) 22 acres roadside cleanup;
(7) 18 cu. yds. cement rubble masonry rail;
(8) 390 cu. yds. cement rubble masonry wall and headwalls;
(9) 1350 lin. ft. culverts;
(10) 8000 lin. ft. rounding of cut sloper;
(11) Lump sum, old road obliteration.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS OPENED

CLARK COUNTY, Nevada—Dodge Constr., Inc., Fallon, Nevada, at $27 per ton, total $2288 submitted the only bid to the Bureau of Public Roads, Sheldon Bldg., San Francisco, for furnishing and applying approximately 84 tons of liquid asphaltic road material, Type MC-2, on Section A of Federal Lands Project No. 7, Charleston Park Road, Clark County, Nev.

Engineer's estimate, $29 per ton, total, $2320.

The contract will be awarded to Dodge Construction, Inc. *

BIDS WANTED

ORANGE COUNTY, Cal. — Until October 25, 2 P. M., bids will be received by the State Highway Engineer, State Building, Los Angeles, for about 3.4 miles in length to be graded and paved with Portland cement concrete in Orange County, between 0.4 mile east of Peralta School and Gypsum Creek. The work involves:

(1) 182 sta. clear and grub right-of-way;
(2) 193,300 cu. yds. rdwy. excav. unclass.;
(3) 1,980,000 sta. yds. overhaul;
(4) 3500 cu. yds. channel excavation;
(5) 5700 cu. yds. structure excav.;
(6) 41,500 sp. yds. subgrade for pave.
(7) 8230 cu. yds. Class A Port. cement concrete (pavement);
(8) 170 cu. yds. do (structures);
(9) 35,000 lbs. bar reinforcing steel (pavement and structures);
(10) 14 each spillway assemblies;
(11) 240 lin. ft. 8-in. C.M.P.;
(12) 140 lin. ft. 12-in. C.M.P.;
(13) 34 lin. ft. 18-in. C.M.P.;
(14) 1000 lin ft. 24-in. C.M.P.;
(15)420 lin. ft. 30-in. C.M.P.;
(16) 170 lin ft. 36-in. C.M.P.;
(17) 220 lin ft. 48-in. C.M.P.;
(18) 200 lin. ft. 84-in. standard rein. concrete pipe;
(19) 290 lin. ft. 84-in. light reinf. concrete pipe;
(20) 2700 M. gals. water;
(21) 287 tons fuel oil;
(22) 23,600 sq. yds. preparing and mixing shoulders;
(23) 40 tons Grade E asphalt;
(24) 396 lin. ft. bank protection fence, single type;
(25) 4476 lin. ft. bank protection fence, double type;
(26) 200 lin. ft. laminated timber guard rail;
(27) 770 each timber guide posts;
(28) 56 each culvert markers;
(29) 182 stations finishing roadway.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Bldg., Sacramento, and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated. *

BIDS WANTED

SANTA CLARA COUNTY, Calif.—Until Oct. 15, 11 A. M., bids will be received by the Santa Clara County Board of Supervisors, Court House, San Jose, for improving Radio, Franchette, Terra Bella Ave., Malone Rd., Lincoln Court and Bridge Way, with oil macadam pavement, involving approximately 133,300 sq. ft.

Plans and specifications obtainable from County Surveyor R. B. Chandler at charge of $1.00.

LOW BIDDERS

COCONINO COUNTY, Ariz.—Skousen Bros., Albuquerque, N. M., at $44-577.40 submitted low bid to the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for grading Section E of the Cameron-Desert View Approach to Grand Canyon National Park, Coconino County.

M. O. Packard, Phoenix, at $45,175 and H. J. Hagen, Globe, Ariz., at $47,-400.30 submitted second and third low bids, respectively.

Engineer's estimate, $51,478.70.

AWARD

COCONINO COUNTY, Ariz.—G. R. Daley, 4430 Boundary St., San Diego, and Vinson & Pringle, 919 E. Madison St., Phoenix, at $184,857.90 awarded contract by Bureau of Public Roads, Phoenix, for grading and placing a selected material subgrade reinforcement on 9.141 miles of Route 8, Hermit Rest, Grand Canyon National Park Coconino County, Arizona.

BIDS WANTED

LOS ANGELES, Cal.—Until Oct. 25, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 0.6 mile in length to be graded and paved with asphalt concrete in the City of Long Beach between Pacific Ave. and Olive Avenue. The work involves:

(1) 31 sta. clear and grub right of way;
(2) 5,400 c.y. rdwy. excav., unclass.;
(3) 50 sta. yds. overhaul;
(4) 700 c.y. struc. excav.;
(5) 13,600 sq yds. subgrade for pave.;
(6) 6,200 sq. yds. asph. paint binder;
(7) 5,650 tons asphalt concrete;
(8) 930 c.y. Class A Portland cement concrete (curbs, gutters, sidewalks, driveways, and retaining walls);
(9) 45 c.y. Class A do (structures);
(10) 3,600 lbs. bar reinf. steel (struc.);
(11) 5,300 lbs. misc. iron and steel (structures);
(12) 10 l.f. 6-in. plain concrete pipe;
(13) 170 l.f. 10-in. reinf. conc. pipe;
(14) 70 l.f. 12-in. do;
(15) 310 lf. 18-in. do;
(16) 1,500 c.y. concrete removed and disposed of;
(17) 335 tons crushed gravel or stone (bit. treated surfacing);
(18) 18 tons cutback asphalt do;
(19) 31 stations finishing roadway.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Bldg., Sacramen-

to, and on file at the offices of the district engineers in San Francisco and Los Angeles.

CONTRACT AWARDED

GRANT COUNTY, Ore.—Wren and Greenough, 2407 NW 28th, Portland, at $97,790 submitted low bid and was awarded contract by the Oregon State Highway Commission, Portland, Oct. 1, for surfacing Forest Boundary-Long Creek Section of Pendleton-John Day Highway, Grant County; National Recovery Projects Nos. 182-A, 182-B, and 182-C; 17.28 miles surfacing and furnishing crushed rock in stockpiles.

Complete total bids follow:

Wren & Greenough, Portland	$ 97,790
Itschner & Rigdon, Barlow	105,070
Newport Const. and Kern and Kibbe, Portland	108,810
Saxton & Looney, Corvallis	109,725
March Const. Co, Spokane	112,290
A. Milne, Portland	117,725
Dunn & Baker, Klamath Falls	118,290
E. Hefty, Portland	119,715
Joplin & Eldon, Portland	125,770
A. C. Greenwood, Portland	127,800
H. G. Johnson, Portland	148,315
Northwest Roads Co., Portland	151,285

CONTRACT AWARDED

CLACKAMAS COUNTY, Ore. — Itschner & Rigdon, Barlow, at $14,555 submitted only bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for surfacing 2.4 miles of the Rock Creek Section and 1.2 miles of the Eagle Creek Section of the Woodburn-Sandy Secondary Highway, Clackamas Co.; National Recovery Projects NRS 225-B and NRS 237.

The bid on Rock Creek Section was $9,620 and on Eagle Rock Section, $4,-935.

BIDS OPENED

MARIN COUNTY, Cal.—Union Paving Co., Call Bldg., San Francisco, at $29,750 submitted low bid to the State Highway Commission, Sacramento, for about 0.3 mile in length slides to be removed in Marin County between Greenbrae and Alto. The work involves:

(1) 125,000 c.y. roadway excav., unclassified;
(2) 50,000 mi. yds. overhaul.

Bids follow:

Union Paving Co., San Francisco, (1) $0.198; (2) $0.10; (total) $29,750.

D. MacDonald, Sacramento, (1) $.24; (2) $....; (total) $30,000.

Granfield - Farrar and Carlin, San Francisco, (1) $.23; (2) $.10; (total) $33,750.

Peninsula Paving Co., San Francisco (1) $.28; (2) $.09; (total) $39,500.

Hanrahan-Wilcox Corp., San Francisco, (1) $.29; (2) $.07; (total) $39,750.

Piombo Bros. & Co., San Francisco, (1) $.255; (2) $.16; (total) $39,875.

Rocca & Calletti, San Rafael, (1) $.32; (2) $.085; (total) $44,250.

Healy-Tibbits Const. Co., San Francisco, (1) $.32; (2) $.089; (total) $44,450.

A. Teichert & Son, Inc., Sacramento (1) $.322; (2) $12; (total) $46,250.

Young & Son, Ltd., Berkeley, (1) $.33; (2) $.16; (total) $49,250.

Larsen Bros., Sacramento, (1) $.41; (2) $.14; (total) $58,250.

Frank J. Main, Fairfax, (1) $.47; (2) $.06; (total) $61,750.

CONTRACT AWARDED

LINCOLN AND LANE COUNTIES, Oregon—Northwest Roads Co., Park Rose, (P. O. Box 5072), Portland, at $82,164 awaarded contract by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, for constructing the Alsea and Siuslaw Bituminous Surfacing Project FHEC-6-D4, E6, and FHEC-7-C2, D3, E3, F2, G3, National Forest Road Project located within the Siuslaw National Forest, Lincoln and Lane Counties, Oregon, a length of 6.34 miles (Alsea portion) and 19.44 mi. (Siuslaw portion).

BIDS OPENED

LOS ANGELES COUNTY, Cal.—Los Angeles Paving Co., Inc., 3200 East Vernon Ave., Los Angeles, at $77,-240.50 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for about 0.6 mile in length to be graded and paved with asphalt concrete in Los Angeles between the west city limits and Beverly Blvd.

Complete bids follow:

Los Angeles Paving Co.	$77,240.50
J. L. McClain, Los Angeles	80,479.00
Southern Calif. Roads Co.	86,026.05
C. O. Sparks, Los Angeles	86,394.00
Oswald Bros., Los Angeles	86,795.70
Griffith Co., Los Angeles	91,515.20

BIDS WANTED

ARIZONA STATE. — Until Oct. 18, 2:30 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction beginning at a point about 9¼ miles of the Ashfork-Jerome Highway and extending in a northeasterly direction 4.2 miles, and consisting of the grading, draining and placing of base material and oil processing by the road mix method and is to be completed on or before Jan. 31; N.R.S. 19-A (1935) (A.F.E. 7906).

The work involves:

(1) small amount of roadway, structural and drainage excavation;
(2) 1600 c.y. borrow;
(3) 76 l.f. C.M. pipe;
(4) small amount of conc. and steel;
(5) 44,100 l.f. line fence;
(6) 12,700 c.y. ABC;
(7) 50,300 c.y. mi. haul ABC;
(8) 4500 c.y. mineral aggregate;
(9) 81,800 gals. road oil;
(10) 102 tons emulsified asphalt;
(11) 4.2 miles processing road mix;
(12) 98 M. gals. water;
(13) 357 c.y. screenings.

Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer. Certified or cashier's check for 5%.

BIDS OPENED

OGDEN, Utah.—Utah Const. Co. & Morrison-Knudsen Co., Ogden, at $100-196.35 submitted low bid to the U. S. Bureau of Reclamation, Ogden, Sept. 17, under Spec. No. 588, for the construction of the relocated Huntsville Highway at Pine View Reservoir, Ogden River Project, near Ogden.

Complete bids follow:

Utah Const. Co., and Morrison-Knudsen Co., Ogden	$100,196.35
W. W. Clyde Co., Springville	101,525.50
Union Const. Co., Ogden	101,773.00
Barnard-Curtiss Co., Minneapolis, Minn.	117,305.60
Olof Nelson, Logan, Utah	120,894.00
Ryberg Bros., Salt Lake City	121,223.07
Floyd S. Whiting, Kaysville Utah	121,459.50
B. D. Palfreyman, Provo	126,864.80
Reynolds - Ely Const. Co., Springville, Utah	148,012.80

Complete tabulation of unit bids is on file at the office of Daily Pacific Builder.

BIDS WANTED

BENSON, Ariz.—Until October 18, 10:00 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for improving streets in Benson, NRM 18-E (1935) and NRM 79-D (1935) (A.F.E. 501). The work, which is located in Benson, consists of miscellaneous grading and draining, and the furnishing and placing of select material and road oil, road mix, with an emulsified asphaltic seal coat, and is to be completed on or before January 15, 1935.

The work involves:

(1) 5,600 c.y. rdwy. excav.;
(2) 4,400 c.y. select material (CIP);
(3) small amount of reinf. concrete;
(4) 186 l.f. CM pipe;
(5) 1,850 l.f. combined curb & gutter
(6) 3,000 l.f. 6x12-in. concrete header;
(7) 225 l.f. road guard (cable or steel plate);
(8) 60 M. gals. sprinkling;
(9) 53 hours rolling;
(10) 1,660 c.y. mineral aggregate;
(11) 29,900 gals. road oil;
(12) 25 tons emulsified asphalt;
(13) 109 c.y. screenings;
(14) 0.7 mile processing road mix;
(15) incidental items.

Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer. Certified or cashier's check, 5%. Funds have been programmed for the construction of this project in the amount of $19,500. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

PRELIMINARY NOTICE TO CONTRACTORS

OREGON STATE — The following projects in Crater Lake Nat'l. Park, Ore., will be advertised for, bids to be received possibly too late this season for contractors to view the project on the ground. It is therefore recommended that interested contractors go over projects immediately to insure that when advertisement for bids is issued they will be informed and in a position to submit bids.

PEC-5-A2, B bituminius surfacing. The improvement contemplated consists of a plant mix bituminous surface treatment 18-ft. wide, 2½inch compacted thickness covering 4.57 miles extending from Lost Creek Ranger Station to Kerr Notch on the East Entrance Highway. Materials are stockpiled near the quarry site which is approximately ¼ mile easterly from the north end of the project and off the Rim Road.

PEC-7-A and 8 bituminous surfacing. The improvement contemplated consists of a plant mix bituminous treatment 18-ft. wide, 2½-in. compacted thickness covering 13.75 miles extending from the Lodge to the North Park Boundary on the Rim Rd. and the Diamond Lake Road. Materials are stockpiled adjacent to the quarry site which is approximately 5 miles north of the Lodge.

PEC-7-C1, Unit 1 and 7 B and 7 C (portions) widening. The improvement contemplated consists of (1) grading 1.58 miles of the Rim Road extending from a point near Sentinel Rocks to the saddle west of Mt. Scott and (2) widening the existing road from Cloud Cap to a point approximately 2 miles east of Diamond Lake Junction 9.86 miles. Wedening will consist largely of flattening existing cut slopes, using the material as obtained in widening adjacent fills. The total excavation involved is approximately 231,400 cubic yards.

For all the above work contractors should contract the resident engineer, Mr. John R. Sargent, located at Government Camp, Crater Lake National Park. Plans for the last named project may be viewed in his office or at the Portland office of the Bureau of Public Works. W. H. Lynch Distric Engineer.

BIDS WANTED

MALHEUR COUNTY, Ore. — Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 5.86 miles of grad-

ing on the Blue Mountain Pass Section of L.-O.-N. Highway, U.S.P.W. Project No. FLH 3-C. The work involves approximately 68,200 c.y. excavation and 7,000 c.y. roadbed topping.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

JEFFERSON COUNTY, Ore.—Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 4.89 miles of grading on the Deschutes River-Agency Plains Section of Warm Springs Highway, U.S.P.W. Project No. NRS 197-B. The work involves approximately 225,200 c.y. excavation.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

DOUGLAS COUNTY, Oregon—Until October 12, 10 A. M., bids will be received by the Bureau of Public Roads 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Diamond Lake Highway Surfacing and Oiling Project FHEC-43-C-4, National Forest Road Project, located within the Rogue River and Umpqua National Forests, Douglas County, Oregon. The length of the project is approximately 11.47 miles, and involves:

(1) 1500 cu. yds. unclassified excav.;
(2) 11.47 mi. fine grading, subgrade and shoulders;
(3) 34,000 tons crushed rock or gravel, bottom course;
(4) 13,000 tons do, top course;
(5) 2500 tons do, supplemental;
(6) 3000 cu. yds. mi. binder haul;
(7) Lump sum, providing and maintaining water plant;
(8) 1400 M. gals watering;
(9) Lump sum, providing and maintaining roller;
(10) 200 days operation of roller;
(11) 3000 cu. yds. binder;
(12) 11.47 mi. preparation of roadway for oiling;
(13) 100 tons SC-2 grade liquid asphalt;
(14) 155 tons SC-4 grade liquid asphalt;
(15) 90 tons MC-2 grade liquid asphalt;
(16) Lump sum, clearing, grubbing and leveling stockpile and borrow sites by extra work.

Plans and specifications obtainable from above office upon deposit of $10.

NOTICE TO CONTRACTORS

STATE OF CALIFORNIA—C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnisred at cost and become the property of the purchaser.

The following table shows the cost of such blue line prints for the work now advertised, bids to be opened in Los Angeles, October 11 at 2 P. M.:

XI-S.D-2,A Approaches to Escondido Creek Bridge: PLANS, 6 sheets, 60c CROSS-SECTIONS, 26 sheets, $2,60; TOTAL, $3.20.

Checks for the above should be made payable to the Department of Public Works, Division of Highways and should accompany the order to the State Highway Engineer's Office, P. O. Box 1499, Sacramento.

BIDS OPENED

LINN COUNTY, Oregon — C. H. Leonard, Albany, Oregon, at $76,411 (metal pipe) submitted low bid to the U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, September 26, for constructing or improving the North Santiam Grading Project FHEC-24-E-2, National Forest Road Project, located within the Williamette National Forest, Linn County, Oregon. Complete bids follow:

Charles H. Leonard, Albany (metal pipe) $76,411; (concrete pipe), $76,497.
C. L. Creelman, Seattle, $77,927; $78,271.
Kern & Kibbe, Portland, $87,713; $87,906.
Burke Bros., Inc., Portland, $90,921; $90,021.
F. C. Dillard, Medford, $91,298; $90,868
James Borin, Portland, $93,685; $93,599
Colonial Constr. Co., Spokane, $95,150; $94,935.
J. A. Lyons, Portland, $95,672; $95,349.
Myers & Goulter, Seattle, $98,926; $98,711.
United Contracting Co., Portland, $99,484; $99,334.
A. C. Greenwood, Portland, $101,586; $101,543.
Guthrie & MacDougall, Portland, $113,666; $113,451.

The award was reommended to the low bidder on the metal pipe alternate, $76,411.

BIDS WANTED

BAKER COUNTY, Oregon. — Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 1.28 miles grading on the Tunnel-Dixie Section of Old Oregon Trail, U.S.P.W. Project No. NRH 169-E. The work involves approximately 99,400 c.y. excavation, and 7,500 c.y. roadbed topping.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

LINN COUNTY, Oregon. — Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 0.71 mile of grading on the Lower Sheep Creek Section of Santiam Highway, U.S.P.W. Project No. NRH 196-B. The work involves approximately 87,350 c.y. excavation.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

WHEELER COUNTY, Ore. — Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 14.0 miles of crushed rock surfacing on the Kinzua Junction-Service Creek Section of John Day Highway (State project). The work involves approximately 14,000 cu. yds. crushed rock surfacing.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

MULTNOMAH COUNTY, Ore.—Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, Third floor, Public Service Bldg., 6th and Salmon, Portland, R. H. Baldock, State Highway Engineer, for 1.42 miles of grading and paving on the Swift Section of Swift Secondary Highway (State project). The work involves approximately 25,200 c.y. embankment, 9,400 sq. yds. Portland cement concrete pavement, 16,800 sq. yds. asphaltic concrete pavement, and 14,000 sq. yds. rock shoulders.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

HARNEY COUNTY, Oregon.—Until Oct. 11, 9 A. M., bids will be received by the Oregon State Highway Commission, Auditorium, 3rd floor, Public Service Bldg., Sixth and Salmon Sts., Portland, R. H. Baldock, State Highway Engineer, for 3.43 miles of grading on the Nigger Flat-Stinkingwater Mountain Section of Central Oregon Highway, U.S.P.W. Project No. FLEC 4-E. The work involves approximately 165,900 c.y. excavation and 5,000 c.y. roadbed topping.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

CONTRACT AWARDED

GILA COUNTY, Arizona—N. G. Hill & Co., and J. S. Boyera & Co., Phoenix, at $10,925 awarded contract by the Bureau of Public Roads, Phoenix, for 5.039 mi. of subgrade reinforcement on Section A of Route 11, the Payson-Colcord Mt. National Forest Highway, Tonto National Forest, Gila County, Ariz.

BIDS WANTED

COCONINO and Gila Cos., Arizona. —Until Oct. 16, 10 A. M., bids will be received by Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a base course on Section D of Route 10, the Pine-Winslow National Forest Highway, Coconino and Tonto National Forests, Coconino and Gila Counties, Ariz. The length of the project is 6.585 miles and involves:

(1) 11,200 tons subgrade reinf.;
(2) 13,000 tons crushed gravel base course;
(3) 3,500 tons selected material binder.

Plans and specifications obtainable from the above office and from the office at 807 Sheldon Bldg., 461 Market St., San Francisco, upon depsoit of $10.00.

BIDS WANTED

SAN FRANCISCO—Until October 8, 1 P. M., bids will be received by M. J. White, Custodian, U. S. Marine Hospital, 14th Avenue and Lake St., San Francisco, for grading, excavation, placing loam, crushed rock, construction of macadam driveway, removal of trees, rock shoulder protection, 2-in. crushed rock border adjacent to existing pavement, etc.

Plans and specifications may be obtained at Room 113, U. S. Marine Hospital.

BIDS WANTED

MONTEREY COUNTY, Cal.—Until October 15, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for about 1.4 mi. of bituminous surface treatment to be applied on Munras Ave., Abrego St. and Fremont St. in the City of Monterey.

Plans and specifications obtainable from above office.

BIDS WANTED

BEVERLY HILLS, Los Angeles Co., Cal.—Until Oct. 9, 8 P. M., bids will be received by the Beverly Hills City Council, E. J. Firminger, city clerk, for improving Santa Monica Blvd., Olympic Blvd. and other streets. The work involves:

SECTION NO. 1

South section of Santa Monica Blvd. being State Highway No. 162, between Alpine Drive and Doheny Drive, for a distance of 3928 ft., 37½- to 38-ft. in width, involving 147,860 sq. ft. asphalt concrete paving, average about 3-in. thick.

SECTION NO. 2

South Section of Santa Monica Blvd. between Rodeo Drive and Wilshire Blvd., being State Highway No. 162, pavement to be 50 ft. in width, 1898 ft. in length, with 3-in. asphaltic concrete, involving 94,913 sq. ft.

SECTION NO. 3

North section of Santa Monica Blvd. between Redeo Drive and Camden Dr., being State Highway No. 162, involving:

3750 sq. ft. fine mix asph. concrete;
250 sq. ft. fine mix asphaltic concrete for Camden Drive intersection;
4 catchbasins with 2 gratings;
1 catchbasin with 3 gratings;
3 shallow concrete manholes;
3 existing catchbasins to be remodeled
35 20-ft. Class B curb;
182 lin. ft. No. 12 gauge 18-in. corrugated pipe;
90 lin. ft. No. 14 gauge 12-in. do;
44 lin. ft. No. 14 gauge 12-in. do;

SECTION NO. 4

Portion of north roadway near vicinity of westerly boundary line of city limits, involving:

4100 sq. ft. asph. concrete to be removed;
91 lin. ft. of box section reinf. concrete storm drain (32.75 cu. yds. concrete);
83 cu. yds. excavation;
10 cu. yds. concrete for retaining wall;
750 cu. yds. backfill;
4100 sq. ft. 8-in. new asphaltic concrete pavement;
135 lin. ft. Class B curb;
337 sq. ft. 8-in. concrete gutter;

SECTION NO. 5

Portion of Olympic Blvd. being State Highway No. 173, between Robertson Blvd. and Beverly Drive, involving:

312,126 sq. ft. 2-in. asph. concrete resurfacing;
104 lin. ft. No. 14 gauge, 15-in. corrugated iron pipe;
2 catchbasins No. 27 with 2 gratings;
1 junction box;
208 sq. ft. replacing asphaltic concrete pavement.

SECTION NO. 6

Olympic Blvd. and Beverwil Drive, involving:

22,337 sq. ft. resurfacing, average 2- to 2½-in. thick;
216 lin. ft. No. 16 gauge, 18-in. corrugated iron pipe;
117 lin. ft. No. 16 gauge, 15-in. do;
774 sq. ft. replacing asphaltic concrete pavement;
2 catchbasins No. 2 with 2 gratings;
2 spill boxes with 1 grating;

Oakhurst Drive interesction, involving:

87 lin. ft. No. 14 gauge, 12-in. Corrugated iron pipe;
1 catchbasin No. 28 with 1 grating;
1 12-in. drainage valve;
174 sq. ft. replacing asphaltic concrete pavement.

Rexford Drive intersection, involving:

173 lin. ft. No. 14 gauge, 12-in. corrugated iron pipe;
2 catchbasins No. 28 with 1 grating;
2 spill boxes with 1 grating;
2 drainage valves;
346 sq. ft. replacing pavement.

CONTRACT AWARDED

KLAMATH COUNTY, Ore.—Dunn & Baker, Klamath Falls, at $123,809 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for 2.84 miles grading of the Gold Lake Trail-Odell Lake Section of the Willamette Highway; National Recovery Project No. NRH 195-B.

Complete bids follow:

Dunn & Baker, Klamath Falls	$123,809
G. I. Stebbins, Klamath Falls	127,585
Kern & Kibbe, Portland	133,381
Myers & Goulter, Seattle	134,250
Fisher Brothers	135,862
Colonial Const. Co., Spokane	157,395
Guthrie McDongall Co., Portland	157,924
E. C. Hall	159,536
Earl McNutt, Eugene	170,342

CONTRACT AWARDED

CLATSOP COUNTY, Ore.—Saxton & Looney, Corvallis, at $63,285 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for 11.28 miles regrading and surfacing on the Necanicum - Elsie Section of Wolf Creek Highway, Clatsop County; National Recovery Projects Nos. NRH 181-A, NRH 181-B, and NRH 181-C.

Complete total bids follow:

Saxton & Looney, Corvallis	$63,285
A. T. Dolan, Tillamook	63,716
United Contr. Co., Portland	66,285
Chas. H. Hoyt, Silverton	70,136
A. C. Greenwood, Portland	73,274
Earl McNutt, Eugene	75,177
Theo. Arenz, Portland	79,855
Joplin & Eldon, Portland	80,556
James Borin, Portland	81,190
E. Hefty, Portland	83,111
J. A. Lyons, Portland	84,440
H. G. Johnson, Portland	92,010
Newport Const. Co. and Kern & Kibbe, Portland	102,909
Edlefsen-Weygandt Co., Seattle	85,882
J. W. and J. R. Hillstrom, Tacoma	73,255

CONTRACT AWARDED

SONOMA COUNTY, Calif.—Hellwig Const. Co., Sebastopol, at $4,236 was awarded contract by the State Highway Commission, Sacramento, for 39.4 miles of existing roadbed to be treated with fuel oil in Sonoma County between Jenner and Mendocino county line.

CONTRACT AWARDED

LOS ANGELES and San Bernardino Cos., Cal.—George Herz & Co., Platt Building, San Bernardino, at $24,779 awarded contract by the State Highway Commission, Sacramento, for 6.6 miles of grading and treating with fuel oil and bituminous surface treatment applied in Los Angeles and San Bernardino counties between 5½ miles east of Llano and Camp Cajon.

CONTRACT AWARDED

LOS ANGELES COUNTY, Cal.—Los Angeles Paving Co., Inc., 3200 East Vernon Ave., Los Angeles, at $77,240 awarded contract by the State Highway Commission, Sacramento, for 0.6 mile grading and paving with asphalt concrete in Los Angeles between the west city limits and Beverly Blvd.

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $4122.15 awarded contract by the Sacramento County Board of Supervisors, Sacramento, for the construction of an emulsified asphalt retread surface on the Elk Grove-Sloughhouse Road.

BIDS OPENED

OKANOGAN COUNTY, Washington—Joslin & McAllister, E 3038 Trent St., Spokane, at $44,923 submitted low bid to the Bureau of Public Roads, 316 New Post Office Bldg., Portland, September 28, for surfacing 6.4819 miles of the Loup Loup Highway, Project FHEC-28-A1, B1, National Forest Road Project, located within the Chelan National Forest, Okanogan County, Washington. Complete bids follow:

Joslin Q McAllister, Spokane	$44,923
Fred C. Redmon, Yakima	45,521
Marsh Constr. Co., Spokane	49,462
L. Romano Eng. Corp., Seattle	54,390
A. C. Greenwood, Inc., Port.	54,812
E. Hefty, Portland	55,564

The award was recommended to the low bidder.

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Rock-Sand-Gravel-Plaster
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656 S. Los Angeles St. Los Angeles, Calif.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SANTA CLARA CO.—Vasona Dam and Canal—(District)

SANTA CLARA COUNTY, Cal.—Carl N. Swenson Co., 355 Stockton Ave., San Jose, at $100.943.10 submitted low bid to the Board of Directors of the Santa Clara Valley Water Concervation District, Room 62, Grant Bldg., San Jose, for the construction of the Vasona Dam and Canal.

Specifications call for the construction of an earth dam with concrete spillway section across Los Gatos Creek, for the purpose of creating a precolating reservoir, and a conduit consisting of canal in earth and pipe from said dam to San Tomas Aquinas Creek, a distance of approximately 2½ miles, and all appurtenant works.

The location is abount 2 to 3 miles northhely from the City of Los Gatos in Santa Clara County. The dam site is about 1½ mile north and 1 mile west of Los Gatos. The work involves:

(1) 65,000 cu. yds. embankment in dam;
(2) 40,000 sq. ft. concrete facing;
(3) 6800 sq. ft. steel sheet piling;
(4) 1420 cu. yds. 1:2:4 concrete in spillway and retaining walls;
(5) 310 cu. yds. 1:3:5 concrete in spillway buttresses;
(6) 13,500 sq. ft. concrete block mattress;
(7) 100 cu. yds. riprap;
(8) 10 radial crest gates (5'x21');
(9) 2 radial sluice gates (13'x10');
(10) 275 lin. ft. galvanized iron pipe handrail;
(11) 1 bronze tublet furnished and installed;
(12) 295,000 lbs. reinforcing steel;
(12) 40 lin. ft. 36-in. concrete pipe;
(14) 120 lin. ft. 24-in. concrete pipe;
(15) 470 lin. ft. 12-in. concrete pipe;
(16) 1 24-in. heavy duty slide gate furnished and installed complete with frame and hoist;
(17) 5 acres canal right-of-way clearing;
(18) 21,000 cu. yds. canal excavation without hauling;
(19) 3000 cu. yds. canal excavation requiring hauling;
(20) 1250 cu. yds. pipe conduit back fill;
(21-A) (Alternate to Item 21-B) 970 lin. ft. 42-in. concrete pipe;
(21-B) (Alternate to Item 21-A) 970 lin. ft. 42-in. steel pipe;
(22-A) (Alternate to Item 22-B) 142 lin. ft. 48-in. concrete pipe;
(22-B) (Alternate to Item 22-A) 142 lin. ft. 48-in. steel pipe;
(23) 84 lin. ft. No. 8 ga. 54-in. pure iron corrugated pipe;
(24) 30 lin. ft. No. 12 ga. 36-in. corrugated metal pipe;
(25) 30 lin. ft. No. 14 ga. 24-in. corrugated metal pipe;
(26) 8 reinforced concrete bridges complete;
(27) 140 cu. yds. 1:2:4 concrete, miscellaneous canal structures;
(28) 2 42-in. slide gates furnished and installed complete with frame and hoist;
(29) 1 24-in. slide gate furnished and installed complete with frame and hoist;
(30) 1 4-ft. x 4-ft. radial gate furnished and installed complete with automatic operating mechanism;
(31) Premiums on 50% surety and 100% performance bonds.

Total bids follow:

(A) Carl N. Swenson Co., San Jose, $100,943.10.
(B) F. O. Bohnett, Campbell, $101,820
(C) Peninsula Paving Co., San Francisco, $105,896.59.
(D) Fredrickson & Watson Constr. Co., Oakland, $106,744.09.
(E) John D. Carlson and Earl W. Heple, San Jose., $108,119.46.
(F) A. Teichert & Son, Inc., Sacramento, $121,279.00.
(G) Hanrahan - Wilcox Corp., San Francisco, $126,195.20.
(H) T. M. Morgan Paving Co., Loomis $131,456.68.
(I) Engineer's Estimate, $119,847.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .19	$ .22	$ .235	$ .25	$ .35	.353	.35	.40	.40
(2)	.21	.18	.235	.18	.17645	.20	.25	.20	.25
(3)	1.00	1.00	1.00	1.15	.80	1.30	1.00	1.20	1.05
(4)	14.00	15.00	14.50	14.00	13.2455	15.00	20.00	20.00	12.50
(5)	13.00	15.00	14.50	14.00	18.7528	20.00	19.00	18.00	11.00
(6)	.23	.30	.33	.30	.3402	.25	.50	.30	.45
(7)	6.00	3.00	2.00	2.50	2.00	3.00	1.80	3.00	2.50
(8)	838.00	500.00	560.00	720.00	438.00	600.00	600.00	650.00	700.00
(9)	1990.00	2000.00	1600.00	2000.00	1793.00	2000.00	1950.00	3400.00	2250.00
(10)	1.10	2.00	1.55	3.00	1.655	2.00	.15	2.00	2.00
(11)	75.00	75.00	175.00	120.00	100.00	75.00	80.00	75.00	75.00
(12)	.0425	.045	.04	.045	.039005	.05	.04	.048	.05
(13)	2.50	3.50	4.00	3.00	3.00	3.00	2.35	4.00	5.00
(14)	2.25	2.20	2.50	2.40	3.50	3.20	1.90	3.00	3.00
(15)	.30	.25	.40	.78	1.00	1.00	.30	1.50	1.50
(16)	50.00	150.00	120.00	140.00	150.00	140.00	116.00	400.00	125.00
(17)	60.00	60.00	80.00	100.00	100.00	60.00	50.00	50.00	100.00
(18)	.20	.20	.17	.12	.25	.20	.20	.25	.12
(19)	.45	.30	.225	.22	.30	.28	.30	.30	.40
(20)	.15	.25	.35	.25	.40	.30	.20	.50	.10
(21A)	4.98	5.50	5.85	6.00	5.20	6.50	7.00	7.00	8.50
(21B)	.. ....	.. ....	8.30	9.00	8.00	8.50	.. ....	8.00	8.50
(22A)	8.00	7.50	8.65	9.00	11.00	10.00	8.00	9.50	10.50
(22B)	.. ....	.. ....	10.00	10.00	12.50	12.00	.. ....	10.50	10.50
(23)	12.00	14.00	16.60	15.00	15.50	15.00	13.00	12.50	12.50
(24)	7.00	5.00	5.50	5.00	6.00	5.50	6.00	6.00	5.50
(25)	3.50	3.00	3.25	3.60	4.00	3.50	4.00	4.00	3.00
(26)	225.00	150.00	220.00	210.00	207.63	230.00	300.00	150.00	150.00
(27)	16.00	18.00	33.00	25.00	19.16	30.00	25.00	20.00	12.50
(28)	350.00	300.00	365.00	415.00	300.00	350.00	300.00	300.00	275.00
(29)	125.00	50.00	57.00	36.00	50.00	50.00	35.00	200.00	50.00
(30)	250.00	250.00	315.00	250.00	225.00	250.00	300.00	450.00	250.00
(31)	1500.00	1500.00	1588.14	1577.49	1600.00	1820.00	1261.95	2892.68	1771.00

The five low bids are being held under advisement pending approval of the PWA engineer.
Fred H. Tibbetts, 1320 Alaska Commercial Bldg., San Francisco, Engineer of the District.

COMPLETE BID LISTING

ARIZONA STATE.—George W. Orr, El Paso, Texas, at $316,938.38 submitted low bid to the Arizona State Highway Commission, Phoenix, September 25, for highway construction on Globe - Sholow Highway, NRH 99-G (1935) (A.F.E. 6054. The bid on the alternate was the same. The work, which is located about 46 miles northeast of Globe and 3½ miles northeast of the new Calt River bridge, consists of grading and draining about four miles of roadway.

(A) George W. Orr, El Paso, Texas, (cable road guard) $316,938.38; (plate road guard) $316,938.38.
(B) Thompson & Peck, Los Angeles, $364,163.54; $363,537.04.
(C) L. E. Dixon Co., Los Angeles, $383,158.23; $384,661.83.
(D) H. J. Hagen,, Globe, Ariz., $399,-229.13; $399,229.13.
(E) Lee Moor Contr. Co., El Paso, $475,339.24; $475,339.24.

Unit quantities follow:

(1) 326,614 c.y. rdwy. excav., unclass.;
(2) 1,654 c.y. struc. do;
(3) 3,389 c.y. drainage do;
(4) 32,600 c.y. slides and overbreakage;
(5) 484 c y. borrow excav. unclass.;
(6) 154,584 sta. yds. earthwork overhaul;
(7) 8,741 c.y. mi. earthwork, haul;
(8) 204 c.y. Class A conc., inc. cement;
(9) 12,501 lbs. reinf. steel (bars) CIP;
(10) 225 l.f. tunnel (8x6-ft.) at approximately Sta. 876 (complete);
(11) 994 l.f. 24-in. CMP (CIP including bands);
(12) 202 l.f. 36-in. do;
(13) 760 l.f. 48-in. do;
(14) 12,530 l.f. cable guard road (CIP)
(15) 50 c.y. grouted riprap (CIP);

(16) 102 each right of way markers (CIP);

ALTERNATE (In Lieu of Item 14)

(14a) 12,530 l.f. steel plate road guard (CIP);

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)....	$ .77	$ .87	$ .96	$ .96	$1.18
(2)....	2.00	2.50	2.50	2.50	2.50
(3)....	1.25	2.00	.96	1.25	1.18
(4)....	.5775	.6525	.72	.72	.885
(5)....	.80	.87	.96	.75	.50
(6)....	.02	.02	.01	.04	.06
(7)....	.40	.50	.30	1.00	.60
(8)....	25.00	35.00	30.00	33.00	30.00
(9)....	.07	.10	.07	.08	.065
(10)....	13.00	20.00	13.50	15.00	20.00
(11)....	3.00	4.00	3.32	3.25	4.00
(12)....	6.00	7.00	6.11	6.25	6.75
(13)....	10.00	10.00	10.38	11.00	10.50
(14)....	.85	.95	.83	1.10	1.00
(15)....	10.00	35.00	15.00	10.00	12.00
(16)....	2.50	4.00	5.00	3.00	3.00
(14a)..	.85	.90	.95	1.10	1.00

COMPLETE BID LISTING

LOS ANGELES and San Bernardino Cos., Cal.—George Herz & Co., Platt Bldg., San Bernardino, at $24,-779.60 submitted low bid to the State Highway Engineer, State Building, Los Angeles, for about 6.6 miles to be graded and treated with fuel oil and a bituminous surface treatment applied in Los Angeles and San Bernariino counties between 5½ miles east of Llano and Camp Cajon.

Total bids follow:

(A) George Herz & Co., San Bernardino, $27,779.60.

(B) Sharp & Fellows Const. Co., Los Angeles, $28,063.90.

(C) C. O. Sparks, Los Angeles, $30,-739.60.

(D) United Concrete Pipe Corp., Los Angeles, $32,500.50.

Unit quantities follow:

(1) 43 acres clear and grub right of way;
(2) 30,000 c.y. rdwy. excav., unclass.;
(3) 109,000 sta. yds. overhaul;
(4) 130 c.y. structure excavation;
(5) 52 l.f. 24-in. CMP;
(6) 54 l.f. 30-in. CMP;
(7) 116 l.f. 36-in. CMP;
(8) 715 tons fuel oil;
(9) 71,000 sq. yds. preparing surface and mixing and shaping oiled material;
(10) 76 tons asphaltic road oil;
(11) 610 c.y. screenings;
(12) 350 stations finishing roadway;
(13) 95 each monuments complete in place.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$40.00	$30.00	$30.00	$50.00
(2).....	.22	.22	.35	.35
(3).....	.01	.008	.01	.005
(4).....	.90	1.00	1.00	.75
(5).....	.50	.40	.50	1.00
(6).....	.60	.50	.60	.80
(7).....	.70	.60	.70	.80
(8).....	10.40	10.00	10.00	11.00
(9).....	.04	.05	.05	.06
(10).....	22.00	22.00	25.00	25.00
(11).....	3.00	4.75	5.00	6.00
(12).....	3.00	10.00	5.00	3.00
(13).....	3.00	3.00	2.00	3.00

LOW BIDDERS

ARIZONA STATE—Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $83,721 submitted low bid to the Arizona State Highway Commission, Phoenix, for highway construction on the Holbrook - Lupton Highway, NRH 83-E; A. F. E. 6621. The work which begins about 40 miles east of Holbrook and extends easterly about 13.7 miles, consists of aggregate base course and oil processing.

Tanner & Hall, Phoenix, at $84,888 submitted second low bid.

Complete bids will be published shortly. * 29

LOS ANGELES COUNTY—0.6 Mi. Grade and Pave—(State)

LOS ANGELES CO., Cal.—Los Angeles Paving Co., Inc., 3200 E. Vernon Ave., Los Angeles, at $77,240.50, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, Sept. 26, for about 0.6 mile in length to be graded and paved with asphalt concrete in Los Angeles between west city limits and Beverly Blvd.

Total bids follow:

(A) Los Angeles Paving Co., L. A., $77,240.50.

(B) J. L. McClain, Los Angeles, $80,-479.00.

(C) Southern California Roads Co., Los Angeles, $86,026.05.

(D) C. O. Sparks, Los Angeles, $86,-394.00.

(E) Oswald Bros., Los Angeles, $86,-795.70.

(F) Griffith Co. Los Angeles, $91,515.20

Unit quantities follow:

(1) 31 sta. clear and grub right of way;
(2) 13,000 c.y. rdwy. excav., unclass.;
(3) 20,000 sta. yds. overhaul;
(4) 11,000 c.y. imported borrow;
(5) 500 tons selected material;
(6) 3,400 c.y. struc. excavation;
(7) 8,000 sq. yds. subgrade preparation;
(8) 6,000 sq. yds. asph. paint binder;
(9) 5,200 tons asphalt concrete;
(10) 910 c.y. Class A portland cement concrete (structures);
(11) 150 c.y. do (curbs, gutters and walks);
(12) 128,000 lbs. bar rein. steel (struc.)
(13) 3,000 lbs. misc. iron and steel;
(14) 40 l.f. 8-in. CMP;
(15) 2 each spillway assemblies;
(16) 64 l.f. 6-in. cast iron soil pipe;
(17) 30 l.f. 24-in. reinf. conc. pipe;
(18) 350 c.y. concrete removed & disposed of;
(19) 5,000 l.f. furnishing steel sheet piling groynes;
(20) 410 each driving steel sheet piling groynes;
(21) 31,000 lbs. structural metal do;
(22) 5.5 MFBM Douglas fir timber do;
(23) 10,500 sq. ft. gunite slope protection panels;
(24) 4,000 lbs. steel wire mesh reinf.;
(25) 4 each moving and resetting electroliers;
(26) 15 each raising manholes to grade
(27) 470 M. gals. water;
(28) 72 tons fuel oil shoulders;
(29) 8,900 sq. yds. prepare, mix and shape shoulders;
(30) 136 each timber guide posts;
(31) 2 each culvert markers;
(32) 31 stations finishing roadway;
(33) 9 each monuments complete in place.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 5.00	$ 5.00	$ 5.00	$ 5.00	$ 2.00	$ 10.00
(2).....	.40	.50	.39	.35	.47	.40
(3).....	.05	.015	.005	.01	.005	.01
(4).....	.45	.50	.51	.35	.47	.21
(5).....	1.25	1.00	1.60	1.25	1.40	1.00
(6).....	.85	1.75	.47	.80	1.15	2.50
(7).....	.135	.13	.11	.10	.09	.15
(8).....	.04	.02	.03	.02	.02	.02
(9).....	3.35	3.20	3.65	3.25	3.70	4.00
(10).....	17.50	20.00	26.25	30.00	21.75	23.00
(11).....	15.00	16.00	14.00	12.50	13.50	15.00
(12).....	.04	.044	.043	.05	.05	.04
(13).....	.10	.12	.107	.12	.115	.10
(14).....	3.00	.30	.50	.50	.50	.50
(15).....	50.00	5.00	7.00	15.00	10.00	6.00
(16).....	3.00	1.00	1.15	1.00	1.50	.80
(17).....	5.00	3.30	4.00	2.50	3.25	3.00
(18).....	1.50	1.50	1.25	1.50	2.00	3.00
(19).....	1.35	1.10	1.46	1.55	1.40	1.40
(20).....	8.00	9.00	9.00	9.00	16.00	15.00
(21).....	.07	.05	.06	.05	.04	.08
(22).....	100.00	100.00	100.00	150.00	130.00	100.00
(23).....	.32	.25	.37	.25	.26	.24
(24).....	.10	.08	.084	.13	.12	.11
(25).....	50.00	50.00	60.00	45.00	100.00	40.00
(26).....	10.00	10.00	12.50	20.00	12.50	10.00
(27).....	1.00	.50	1.20	1.50	.66	.80
(28).....	9.00	9.00	10.00	9.00	10.00	9.00
(29).....	.07	.05	.045	.05	.05	.04
(30).....	1.50	2.00	1.70	3.00	2.00	2.00
(31).....	3.50	2.50	2.50	3.00	2.50	2.00
(32).....	5.00	5.00	6.00	5.00	2.50	10.00
(33).....	3.50	3.00	6.25	2.00	2.50	4.00

PLACER COUNTY — 0.6 MI. SURFACING — (STATE)

PLACER COUNTY, Calif.—T. M. Morgan Paving Co., 472 N. Barrington Ave., Los Angeles, at $7,315.20 submitted low bid to the Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Hotel Marysville, Marysville, for about 0.6 mile of surfacing with bituminous treated crushed gravel or stone in Placer County in Roseville between Church St. and the northerly city limits.

The work involves:

(1) 670 c.y. rdwy. excav., unclass.;
(2) 2,050 sta. yds. overhaul;
(3) 55 c.y. structure excavation;
(4) 700 tons crusher run base;
(5) 17 barrels fuel oil;
(6) 7,000 sq. yds. emulsified asphalt paint binder;
(7) 970 tons crushed gravel or stone (bituminous treated surfacing);
(8) 50 tons cut-back asphalt do;
(9) 50 c.y. concrete in existing pavement and structures removed and disposed of;
(10) 40 M gals. water;
(11) 150 l.f. existing culvert pipe removed and salvages;
(12) 50 l.f. salvaged pipe cleaned and relaid;
(13) 6 ea., manholes adjusted to grade;
(14) remove and salvage railroad spur track;
(15) 33 stations finishing roadway.

Total bids follow:

(A) T. M. Morgan Paving Co., Los Angeles, $7,315.20.

(B) C. W. Wood, Stockton. $7,844.00.

(C) A. Teichert & Son, Sacramento, $8,052.80.

(D) Rubin R. Carlson, Vallejo, $8,-303.50.

(E) Hemstreet & Bell, Marysville, $9,-222.00.

(F) Lee J. Immel, Berkeley, $9,894.50.

(G) Pacific States Const. Co., S. F., $10,733.25.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .75	$ .60	$ .75	$ .80	$ .75	$ 1.00	$ 1.00
(2)	.05	.02	.01	.03	.03	.05	.07
(3)	1.00	1.00	1.50	1.50	2.00	1.00	1 25
(4)	2.50	2.25	2.56	2.60	3.25	3.30	3.50
(5)	2.60	4.00	4.00	3.00	6.50	5.00	4 00
(6)	.04	.02	.0005	.06	.04	.03	.03
(7)	2.80	4.00	4.32	4.00	4.50	4.60	5 50
(8)	20.00	15.00	18.00	16.00	15.00	21.00	18.00
(9)	2.00	2.00	1.50	2.00	3.00	5.00	4 00
(10)	2.50	2.00	1.50	1.50	2.00	2.50	2.00
(11)	1.00	1.00	.50	.75	.50	.75	1.00
(12)	.50	1.00	.50	1.25	1.00	1.25	1.00
(13)	10.00	15.00	5.00	5.00	15.00	6.00	10.00
(14)	100.00	200.00	75.00	40.00	75.00	125.00	150.00
(15)	10.00	10.00	4.00	7.50	7.50	8.00	6.00

SACRAMENTO CO.—Benson Ferry Trestle—(County)

SACRAMENTO COUNTY, Cal.—Lord & Bishop, Box 355, Oroville, at $40,303.74 submitted low bid to the Sacramento County Board of Supervisors, Court House Bldg., Sacramento, for the construction of a trestle at Benson Ferry on the Lower Stockton Road, 25 miles south of Sacramento. The work involves:

(1) 8,888 l.f. furnishing piles;
(2) 5,520 l.f. driving piles;
(3) 21,428 MFBM redwood caps and dirt stop;
(4) 7.2 MFBM redwood X-bracing;
(5) 196,992 MFBM redwood stringers; scabs and bridging;
(6) 57,736 do sub-floor;
(7) 41,496 MFBM redwood posts, railings, blocks;
(8) 595.2 c.y. concrete;
(9) 98,814 lbs. reinf. steel;
(10) 100 c.y. excav. and backfill;
(11) lump sum, removal of old trestle.

Total bids follow:

(A) Lord & Bishop, Oroville, $40,303.74.
(B) M. A. Jenkins, Sacramento, $40,705.02.
(C) D. MacDonald & Poulos & McEwen, Sacramento, $42,831.43.
(D) Bodenhamer Constr. Co., Oakland $45,906.41.
(E) M. B. McGowan, San Francisco, $47,263.01.
(F) Duncanson, Harrelson Co., San Francisco, $47,741.84.
(G) Healy-Tibbitts Constr. Co., San Francisco, $49,453.58.
(H) Bundesen & Lauritzen, Pittsburg, $49,654.39.
(I) B. Rocca & Co., San Rafael, $53,920.32.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .44	$ .45	$ .48	$ .42	$ .40	$ .525	$ .555	$ .45	$ .4771
(2)	.55	.25	.48	.40	.20	.405	.50	.82	.49
(3)	70.00	70.00	80.00	80.00	90.00	90.50	85.00	78.00	78.45
(4)	67.00	85.00	90.00	80.00	94.00	140.00	95.00	96.00	78.45
(5)	73.00	75.75	69.00	87.00	78.00	82.00	95.00	81.00	78.45
(6)	56.25	60.00	54.00	62.00	60.00	52.50	80.00	65.90	78.45
(7)	65.50	85.00	86.00	80.00	116.00	118.00	90.00	111.00	78.45
(8)	10.50	12.50	15.00	13.00	15.00	11.50	13.00	13.00	12.33
(9)	.041	.04	.0485	.05	.06	.043	.04	.044	.0464
(10)	1.00	1.00	1.00	.50	1.00	1.00	2.00	1.25	100.00
(11)	1850:00	1000.00	900.00	2400.00	3100.00	3900.00	1500.00	3500.00	950.00

BIDS OPENED

SACRAMENTO COUNTY, Calif.—A. Teichert & Son, Inc., P. O. Box 1118, Sacramento, at $4,122.15 submitted low bid to the Sacramento County Board of Supervisors, Court House Bldg., Sacramento, for the construction of an emulsified asphalt retread surface on the Elk Grove-Sloughhouse Road.

Complete bids follow:

(A) A. Teichert & Son, Inc., Sacramento, $4,122.15.
(B) E. F. Hilliard, Sacramento, $4,304.90.
(C) McGillivray Const. Co., Sacramento, $4,498.50.

Unit quantities follow:

(1) 557 tons coarse screenings;
(2) 84 tons screenings;
(3) 116 tons fine screenings;
(4) 27 tons mixing grade emulsified asphalt;
(5) 38 tons penetration grade do.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ 3.25	$ 3.40	$ 3.50
(2)	3.25	3.50	3.50
(3)	3.40	3.50	3.75
(4)	25.30	26.50	28.00
(5)	25.30	25.20	28.00

BIDS OPENED

TILLAMOOK CO., Ore.—Jacobsen-Jensen Co., 517 NE Stantoo St., Portland, at $94,725 submitted low bid to the Oregon State Highway Commission, Portland, October 1, for 3.82 miles of grading on the Deadman Creek-Brooks Section of Wilson River Highway, Tillamook County; National Recovery Project No. NRH 191-B.

Complete bids follow:

Jacobsen-Jensen Co., Portland	$ 94,725
Berke Bros., Portland	102,452
Colonial Const. Co., Spokane	103,500
Fred Slate, Multnomah	105,974
James Borin, Portland	108,680
Fisher Brothers	118,421
J. A. Lyons, Portland	123,428
Earl McNutt, Eugene	125,201
United Contr. Co., Portland	132,717
F. C. Dillard	138,717
Joplin & Eldon, Portland	139,717
A. C. Greenwood, Portland	146,958

CONTRACT AWARDED

CLATSOP COUNTY, Oregon—Fred H. Slate, Multnomah, Oregon, at $94,181 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for 2.53 miles grading of the Ranger Station-Elsie Section of Wolf Creek Highway, National Recovery Project No. NRH 181-D. Complete total bids follow:

ALTERNATE 1-A

Fred H. Slate, Multnomah	$ 94,181
Joplin & Eldon, Portland	98,560
Earl McNutt, Eugene	115,468
J. A. Lyons, Portland	117,132
Berke Bros., Portland	123,746
Theo. Arenz, Portland	124,554
Kern & Kibbe Portland	124,469
James Borin, Portland	127,079
Colonial Constr. Co., Spokane	156,027

ALTERNATE 1-B

Fred H. Slate, Multnomah	$ 95,381
Joplin & Eldon, Portland	101,460
J. A. Lyons, Portland	118,132
Earl McNutt, Eugene	118,468
James Borin, Portland	125,077
Kern & Kibbe, Portland	126,469
Berke Bros., Portland	128,746
Theo. Arenz, Portland	136,554
A. C. Greenwood, Portland	137,977
Colonial Constr. Co., Spokane	156,027

COMPLETE BID LISTING

ARIZONA STATE.—R. C. Tanner & W. E. Hall Co., 522 Phoenix Title and Trust Bldg., Phoenix, at $40,421.78 submitted low bid to Arizona State Highway Commission, Phoenix, Sept. 25 for highway construction on the Holbrook-Lupton Highway, NRH 83-C (1935) (A.F.E. 6506, and 6 RH 83-G (1935) (A.F.E. 6635). Bids on the alternate was $35,816.38. The work, which begins approximately 14½ miles northeast of Holbrook and extends easterly approximately 6½ miles, consists of placing base course and either 3-inch cut-back plant mix with seal coat or 2¼-in. of Laykold, constructing shoulders and stockpile aggregate.

Total bids follow:

(A) Tanner & Hall Co., Phoenix (plant mix $40,421.78; (Laykold) $35,816.38.
(B) Arizona Sand & Rock Co., Phoenix $47,291.31; $37,084.22.
(C) Pleasant-Hasler Const. Co., Phoenix $49,770.83; $41,981.21.
(D) Southern California Roads Co., Los Angeles, $51,960.47; $48,359.88.
(E) Pearson-Dickerson Co., Riverside, Cal., $64,043.86; no bid.

Unit quantities follow:

NRH 83-C & G Combined Cut-Back Plant Mix

(1) 99,812 sq. yds. reshaping rd. surf.
(2) 200 M. gals. sprinkling (CIP);
(3) 2667 c.y. aggregate base course;
(4) 2197 c.y. mi. aggregate do haul;
(5) 2483 c.y. shoulder material;
(6) 4776 c.y. mi. do haul;
(7) 9785 tons local aggregate (CIP in mixer);
(8) 1500 tons imported aggregate (do)
(9) 548 tons cutback asph. CIP inc. seal coat);
(10) 11,756 tons mixing, hauling and placing plant mix;
(11) 558 c.y. screenings (CIP);
(12) 21,140 l.f. std. line fence (CIP);
(13) 170 c.y. stockpiled aggregate (CIP)

ALTERNATE: Laykold Asph. Conc. in lieu of Items 1 to 13 inc.

(1) 99,812 sq. yds. reshaping rd. surf.;
(2) 200 M. gals. sprinkling (CIP);
(3) 2667 c.y. aggregate base course;
(4) 2197 c.y. mi. do base course haul;
(5) 1901 c.y. shoulder material;
(6) 3660 c.y. do haul;
(7) 7340 tons local aggregate (CIP in mixer);
(8) 1126 tons imported aggregate (do)
(9) 424 tons bit. binder (do);
(10) 8887 tons mixing, hauling, placing Laykold asph. conc.;
(11) No item 11 in alternate proposal;
(12) 21,140 l.f. standard line fence, CIP
(13) 170 c.y. stockpiled aggregate, CIP in stockpiles.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .0025	$ 005	$ .01	$ .01	$ .005
(2)	2.50	4.60	3.50	3.50	4.25
(3)	.30	.49	.75	.37	.77
(4)	.25	.15	.12	.25	.15
(5)	.30	.49	.75	.37	.77
(6)	.25	.12	.12	.15	.15
(7)	.40	.68	.77	.78	.47
(8)	.60	1.98	1.25	1.55	5.50
(9)	26.00	26.50	26.00	27.00	37.00
(10)	1.20	1.23	1.30	1.55	1.65
(11)	2.50	4.00	4.00	4.00	5.35
(12)	.07	.06	.08	.065	.08
(13)	2.00	2.00	3.00	3.00	2.85

ALTERNATE

(1)	$ .0025	$ 008	$ .01	$ .01	.....
(2)	2.50	4.60	3.50	3.50	.....
(3)	.30	.49	.75	.28	.....
(4)	.25	.45	.12	.25	.....
(5)	.30	.49	.75	.38	.....
(6)	.25	.12	.12	.15	.....
(7)	.45	.72	.81	.97	.....
(8)	.60	.98	.25	1.72	.....
(9)	33.00	30.00	35.00	32.50	.....
(10)	1.40	1.31	1.45	2.15	.....
(11)	....	.....	.....	.....	.....
(12)	.07	.06	.08	.065	.....
(13)	2.00	2.00	3.00	3.00	.....

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Unit Price Review

OCTOBER 13, 1934

Vol. XVII—No. 41

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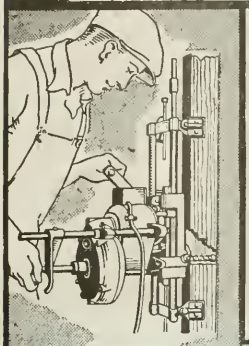

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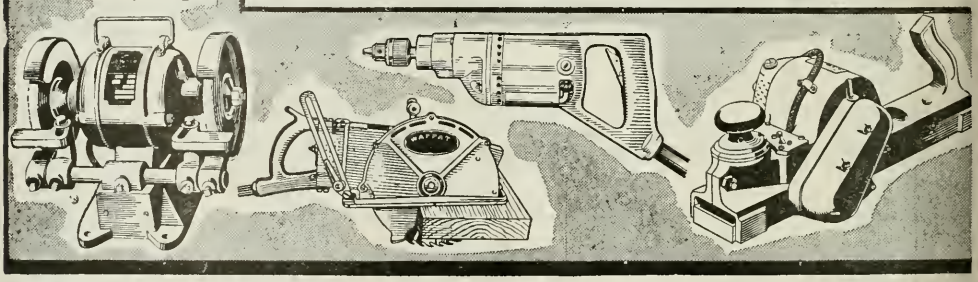

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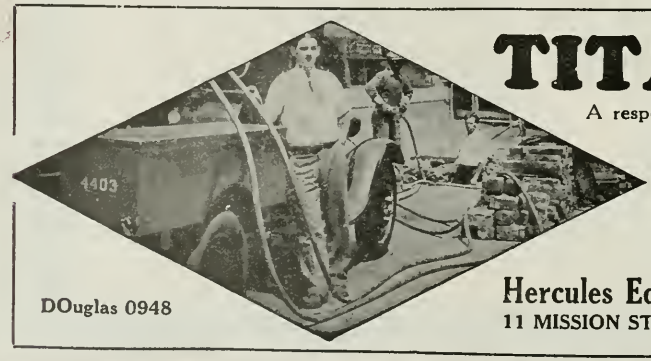

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NRA COMPLIANCE TO BE ENFORCED IN STATE COURTS

Construction Code Authorities Plan Prosecutions Under Calif. Recovery Act

Code authorities for various divisions of the construction industry yesterday mapped a vigorous campaign for compliance with NRA codes in California through prosecution of violations in state courts.

Such prosecutions have been upheld as constitutional in a decision of the District Court of Appeal given in Los Angeles September 30, according to a letter received from Donald Renshaw, special assistant to the administrator and state NRA compliance director.

Mr. Renshaw's letter to code authorities follows:

"In a decision handed down on September 30, 1934, by Justice Stephens of Division Two, District Court of Appeal for California, and concurred in by Associated Justices Desmond and Scott, the NRA codes of far competition are held to be legal and constitutional.

"Because of the importance of this decision, I am ending you a digest of it, prepared by Mr. Thomas H. Kennedy of the litigation division, NRA, Washington, D. C., who is now in California. I believe that it will be to your interest to give wide publicity to Justice Stephens' decision, particularly in the trades complaints.

"By Judge Stephens' decision, every state court in California is now open for either criminal or injunctive proceedings to enforce the codes. You are urged to have your attorneys contact your local district attorney for the State of California when your attorney is convinced that he has a proper case to submit for prosecution."

The decision is one given in the case of R. G. Lasswell, petitioner for a writ of habeas corpus. Lasswell was arrested for violation of several sections of the cleaners and dyers code, such violations being made misdemeanors by Section VI of California Industrial Recovery Act.

Two constitutional objections were raised by the petitioner on which he based his plea for release from arrest. First, that the California Industrial Recovery Act violated the due process of law clause of the Fourteenth Amendment to the Constitution of the United States; second, that the state legislature of California had illegally delegated to the federal government, the President, the Administrator for industrial recovery, and other federal officials the right of the state to control local business and intrastate commerce.

The court finds that "any business may be regulated to the extent and in the manner reasonably required to prevent its unreasonable interference with the welfare of the general public" and the Cleaners and Dyers code and the California Recovery Act judged by this rule are constitutional and valid.

"Everyone who has striven, seemingly against great odds, for the past months to make real the great purpose of the President in his recovery program, to bring order out of chaos in the business world, to spread employment and increase purchasing power, should take heart in this signal victory. This decision will undobutedly be considered one of the landmark opinions in the development of recovery law," declared Mr. Kennedy.

NEVADA LETS $166,000 HIGHWAY CONTRACTS

CARSON CITY, Nev., Oct. 10. — Three highway construction and improvement contracts aggregating approximately $166,000 were let by the Nevada State Highway Directors today. Union Paving Company of San Francisco, at $45,412 received a concatrt for construction of about 2.7 miles of the State highway system in Clark county. Isbell Construction Company of Carson City, at $39,893 was awarded a contract for construction of about 7.3 miles of the State highway system in White Pine county. J. C. Compton, McMinnville, Oregon, at $81,338 received a contract for asphalt surfacing about 50 miles in Clark and Lincoln counties. All three contractors were low bidders on the respective projects.

CHAS. THOMAS LOW BIDDER ON CIVIC BUILDING

Four Contractors Offer Figures For Auditorium At San Jose

SAN JOSE, Oct. 8.—Charles A. Thomas, 127 Clayton Avenue, San Jose submitted the low bid to the City Council tonight on the general contract for construction of the San Jose Civic Auditorium. The bid was $314,000. Four bids were received on the general contract.

Hately and Hately of Sacramento submitted the low bid at $42,393 for mechanical work. Other low bids were A. J. Peters, 455 Washington St., San Jose, plumbing at $11,628; Guilbert Bros., 286 W. Santa Clara Street, San Jose, electrical at $17,150; Rockwood Sprinkler Co., San Francisco, sprinklers at $6170.

Complete bids on the general contract follow:

Chas. A. Thomas, San Jose	$314,000
Dinwiddie Construction Co., San Francisco	318,800
Fredrickson & Watson, Oakland	341,730
K. E. Parker Co., San Francisco	344,000

Bids on the project were received for the second time tonight after plans had been revised. Original figures were in excess of the amount of money available. The work is financed in part by PWA grant and the balance from a bond issue. Contractor Thomas, the low bidder tonight, also submitted the low figure when bids were received previously.

The building was designed by Architects Binder and Curtis of San Jose.

$15,000,000 Additional Aqueduct Contracts Advertised by Metropolitan Water District

With an additional $15,000,000 available for construction on the Colorado River Aqueduct, the Metropolitan Water District of Southern California has called for bids, to be opened October 31, on 30.5 miles of conduit and siphons. This work is in addition to the 110.62 miles of canals, conduits and siphons for which bids will be opened October 11.

When final disposition is made of this work the entire main line of the aqueduct, 241 miles in length, between the Colorado River and Cajalco Reservoir, will be under construction with the exception of the pumping plants and reservoirs and the conduits and siphons on the Coachella division. Bids for the work on the Coachella division will not be asked at this time due to the fact that all the district's facilities are needed for construction of the 30 miles of tunnels in the Little San Bernardino Mountains now in progress.

Projects included in the new call for bids comprise 18.07 miles of cut and cover conduit, 11.52 miles of siphons and 0.91 mile of outlet channel. These are grouped in nine possible contracts with 17 bidding schedules.

Work for which bids will be opened October 11 (date extended from October 3) includes 33.65 miles of cut and cover conduit, 63.33 miles of canals and 14.64 miles of siphons. These projects are grouped in 16 possible contracts with 57 bidding schedules.

Probable cost of the work covered by the new call for bids is unofficially estimated at $15,000,000. Probable cost of the work for which bids are to be opened October 11 is estimated at approximately $35,000,000, making the grand total for all the new work to be started about $50,000,000.

Expansion of the aqueduct construction program at this time is prompted by the urgency of providing all possible employment rather than by any necessity for hastening completion, according to officials of the district. About 4500 men have been employed in construction of the 91 miles of tunnels which has been under way for twenty months. More than 42 miles of tunnels have already been excavated and the work of lining the tunnels with concrete has been started.

An additional 2000 men will be given employment under the first of the new groups of contracts to be let and at least 1000 men will be provided with work under the second group, district officials state.

The $15,000,000 to be made immediately available for aqueduct construction by purchase of Metropolitan Water District bonds to that amount by the Reconstruction Finance Corporation, authorized by its directors at Washington, September 24, is in addition to the $40,000,000 bonds which the corporation previously had agreed to buy.

LOCAL FIRMS LOW BIDDERS ON AQUEDUCT

Hanrahan - Youdall Combination To Get $3,500,000 Work For Water Dist.

LOS ANGELES, Oct. 11.—A syndicate of California contractors today submitted the apparent low bids on seven of sixteen schedules for construction of portions of 110 miles of conduit and siphon for the Colorado River Aqueduct. Bids were received by the Metropolitan Water District at 10 a. m. and tabulation of the figures continued throughout the day. Fifty-seven separate schedules were involved, including alternate proposals on the sixteen main divisions of the work.

First tabulations indicated that the bulk of the work would go to a combination composed of Hanrahan Co., Youdall Construction Co., Charles Harlowe, Jr., all of San Francisco, Elliott, Stroud Bros. & Seabrook, Bakersfield, and C. M. Elliott, Pasadena.

Low bids on Schedules I, II, VI, VIII, X, XI and XIII were submitted by this group, according to preliminary totals. The aggregate of their low bids was in excess of $4,000,000 and a stipulation with their bid limits the amount they will accept to $3,500,000, indicating that one or more schedules will be refused.

Other low bidders on portions of the work were Mittry Bros., Los Angeles, two schedules; Jahn and Bressi, one schedule; Six Companies, Inc., one schedule; Clyde W. Wood and M. J. Bevanda, Stockton, one schedule; Three Companies, Inc., Denver, one schedule; Thompson-Starrett Co., New York, three schedules.

Western Pipe and Steel Corporation submitted low bid on Schedule 6S, an alternate for construction of the Freda siphon, using welded steel pipe.

WARN BIDDERS ON CODE SCALE FOR TRUCKING

Contractors Advised To Include State Minimum Rates in Figures

Contractors were warned yesterday by the California State Code Authority for the Trucking Industry that trucking contractors must comply with code provisions for their industry in all for-hire operations, including the minimum rental scale for dump truck equipment.

General contractors or others not engaged primarily in the trucking business, but renting their equipment to other contractors, also will be required to observe the minimum rental rates.

It was pointed out by W. G. Kessler, rate administrator for the code authority, that contractors who failed to figure truck rental in their bids at the established scale were risking a loss on their operations or the possibility of the contract being tied-up if trucks were rented at less than the minimum rate. Complaints have been received at the headquarters in San Francisco of refusal of highway contractors in some instances to pay the scale and enforcement machinery has been set in operation to compel withdrawal of trucking sub-contractors from these jobs, Mr. Kessler said.

The following schedule of rental rates has been approved by the State Trucking Code Authority as a minimum for dump truck equipment without driver:

NORTHERN CALIFORNIA

Equipment	Col. 1	Col. 2
1½ to 2 yard	$ .82	$1.09
2½ to 3 yard	1.59	1.87
3½ yard	1.70	2.00
4 yard	1.91	2.25
5 yard	2.12	2.50
7 yard	2.77	3.25

SOUTHERN CALIFORNIA

1½ to 2 yard	$ .85	$ .98
2½ to 3 yard	1.40	1.65
3½ to 4 yard	1.75	2.05
4½ to 5 yard	2.00	2.30
5½ to 7 yard	2.25	2.55

In computing rates for equipment larger than 7 yards' capacity water level in both Northern and Southern California, add 25c per yard per hour to the rates shown for 7 yard equip-

(a) Rates named in Column 1 apply for the rental of dump truck equipment for light highway maintenance work, light constructon work or other use where the average daily mileage does not exceed 75 miles and the loading is by hand shovel.

(b) Rates named in Column 2 apply for the rental of dump truck equipment to be used in connection with heavy highway construction, heavy grading or excavating work or other use where loading is performed under a chute or by power shovel and where the average daily mileage does not exceed 125 miles.

(c) To all of the minimum rates names in this tariff should be added the hourly wage of the driver.

See Encouraging Prospect For Material Dealers; Building Industry Surveyed

The building supply trades have been given their strongest impetus to expansion for some years by the benefits to be derived from the National Housing Act and consequently the outlook for fall business is the best for years, states a survey of the building industry issued by Dun & Bradstreet, Inc.

The analysis of the current position and immediate future prospects for building continues:

While there still is a surplus of homes in many cities, the desire for better-built homes, with more modern equipment, undoubtedly will increase improvements and repairs and thus stimulate new construction later on. Most lumber and building supply houses report fairly substantial increases in business over a year ago, with sales of cement increasing as much as 50 per cent in some districts over the figures for the first eight months of 1933. Shingles, roofing materials, small timbers, cement, tiles, hardware, and electrical supplies have formed the bulk of the orders, although since August there has been an expanding call for plumbing supplies, radiators, and heating units. As a whole, dealers are carrying only moderate stocks.

Real estate agents report a decided shortage of desirable small houses in many communities and a scarcity of apartments. The rental situation is improving, with a rising trend already in evidence. One and two-family houses are finding a readier buying and renting market, while not so noticeable as in the apartment field, it promises well for the future. The greater efficiency in the apartment house management and maintenance fields with a resultant increase in earnings, has been one of the outstanding developments of the past two years.

Spring Upturn Foreseen

One of the principal causes of declining volume in construction work during recent years is attributed to the lack of adequate financing. In view of this condition and also in recognition of the importance of the building industry in its relation to many lines allied with the various phases of construction work, the program sponsored by the Federal Housing Administration, when fully under way, doubtless will prove an important factor in achieving recovery. Many contracts, which have been deferred, are being placed, in order to take advantage of the easy financial arrangements offered.

Permit Values Above 1933

According to the compilation of building permit values, prepared each month by Dun & Bradstreet, for the 215 identical cities of the United States, the results for the first eight months of the current year revealed some progress. The total volume of building for which permits were granted during this period amounted to $235,707,511, as compared with $202,297,272 for the corresponding eight months of 1932, or an increase of 16.5 per cent. Contrasted with the like period of 1932, however, there was a drop of 18.8 per cent.

Although building operations, as a rule, show a falling off during the Summer months, the contrary was the case during July and August of this year. Operations during August showed a further slight improvement, the increase over July amounting to 1.6 per cent, against a normal seasonal rise of about 1 per cent. The total volume of building permits at the 215 identical cities amounted to $34,452,738, slightly higher than the July total of $33,899,650, and compared with $32,391,868 in August, 1933, a gain of 6.4 per cent. The analysis of the group totals showed that only two of the eight sections—the New England and Mountain states—reported smaller amounts expended for building in August than in the mouth preceding, while comparisons with August, 1933, brought an advance for four groups and a decline for four.

Building Costs Reduced

Prices of most building materials are dragging along at the low levels of the last few years, the increases in a few divisions being more than counterbalanced by markdowns in others. While the general average of lumber prices increased less than $10 a thousand board feet during 1933, the average still is around 8 per cent under the 1929 level. Some prices were lowered in July to conform with code provisions, but no further changes are anticipates until after the turn of the year. Wages remain stationary, being largely regulatory, although in many instances the union scales are not being observed with much care. As a whole, the cost of building a small-sized house is about the same as it was in 1930, and nearly 50 per cent lower than in 1920.

Collections are about on a par with those of a year ago, although there has been a tightening of terms and a tendency to wait until there is a sufficient amount of cash for the construction planned. Due to existing conditions, suppliers of materials have been extending only short-term credits, and are exercising extreme care in scrutinizing applications. While reports of fair are general from wholesalers, in the retail division complaints of slowness still are frequent.

S. F. BAY SPAN PAINTING BIDS OPEN NOV. 7

Proposals Asked on Final Field Coats For Bridge Superstructure

Bids will be received until November 7 at the San Francisco-Oakland Bay Bridge office for the contract to put the final four coats of field painting on this world's largest bridge.

The paint job, which will be the largest of its kind in San Francisco, if not anywhere in the United States, involves the painting of 121,000 tons of steel in the spans and towers of the bridge, in addition to cables and accessories.

According to specifications issued by Chief Engineer C. H. Purcell, the bridge will be painted four coats. The first coat will be of orange shade, the second and third darkening to brown, and the final coat a bright black, made brilliant with prussian blue.

No estimate is made by the State on the amount of paint involved, that being left to the bidder's calculations.

The painting is to start as rapidly as the steel is erected, and the last of it will be finished by July, 1936, according to bridge officials.

Harms Brothers Low on Federal Levee Project

SACRAMENTO, Oct. 10.—Harms Bros. of Sacramento, today submitted low figure to the U. S. Engineer Office for raising and strengthening existing levees along the Feather and Yuba Rivers, near Marysville.

The work involves about 78,000 cubic yards of earth embankment of the Feather River and 34,000 cubic yards on the Yuba River.

Total bids submitted on the project were as follows:

Harms Bros., Sacramento	$16,240
Hemstreet & Bell, Marysville	19,880
Delta Dredg. Co., Pittsburg	23,072
R. R. Carlson, Vallejo	23,520
Olympian Dredging Co., San Francisco	24,012
D. M. McDonald, Sacramento	28,448
Peninsula Paving Co., S. F.	33,040

The engineer's estimate of cost of the work was $23,671. All bids were taken under advisement.

(Complete unit bids appear in the Advance Report section.)

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
501	Recorder	Cahill	120,000
502	Nelson	Owner	4000
503	Nelson	Owner	3500
504	Nelson	Owner	4000
505	Eastern	Owner	3000
506	Babies	Owner	10000
507	Geauque	Owner	1500
508	Taylor	Owner	4000
509	Lewin	Owner	2800

PRINTING OFFICE
(501) SE MISSION, VAN NESS AVE South and 12th St. Two-story Class B printing and office building.
Owner—The Recorder Printing & Publishing Co., 460 Fourth St., S. F.
Engineer—W. P. Day, 405 Montgomery St., San Francisco.
Contractor—Cahill Brothers, 206 Sansome St., San Francisco. $120,000

DWELLING
(502) W MELBA 47 S Ocean Avenue One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, 19th Ave. and Sloat Blvd., S. F.
Architect—Not Given. $4000

DWELLING
(503) W MELBA 131 S Ocean Ave. One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, 19th Ave. and Sloat Blvd., S. F.
Architect—Not Given. $3500

DWELLING
(504) W MELBA 90 S Ocean Avenue. One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, 19th Ave. and Sloat Blvd., S. F.
Architect—Not Given. $4000

ALTERATIONS
(505) NW VAN NESS AVE. AND Green St. Alter church.
Owner—The Eastern Orthodox Church Society of San Francisco, 1520 Green St.
Architect—Harry W. Abrahams, 461 Market St., San Francisco.
Contractor—Not Let. $3000

BUILDING
(506) E THIRTY-SEVENTH AVE. 225 S Balboa St. One-story and basement frame building.
Owner — Babies Aid, 31st Ave. and Balboa St., San Francisco.
Supervision of Constr. — By A. C. Hamerton. $10,000

ALTERATIONS
(507) NO. 712 LAKE ST. Alter dwelling.
Owner—Mr. Geauque, Premises.
Architect—Not Given. $1500

ALTERATIONS
(508) NO. 307-311 CAPP ST. Alter flats.
Owner — George W. Taylor, 2320 Acton St., Berkeley.
Architect—Not Given. $4000

ALTERATIONS
(509) NW JACKSON and Laguna; alter apartments.
Owner—J. Lewin, 110 Sutter Street.
Architect—Not Given. $2800

ALAMEDA COUNTY

53	Central	Doell	1997
395	Petersen	Petersen	3500
396	Mortensen	Owner	3430
397	Jordan	Scammell	8000
398	Palmquist	Owner	3000
399	Bonds	Owner	6000
400	Herrod	Owner	1800
401	Guido	Ungaretti	2000
402	Grubb	Owner	3000
403	Patterson	Anderson	4000
404	Lena	Owner	1000
405	Webber	Rose	1000

STATION
(394) NO. 1 UNIVERSITY AVE., **BERKELEY.** Type 4 service station.
Owner—Standard Oil Co.
Architect—Not Given. $6000

DWELLING
(395) NO. 3311 KINGSLAND AVE., **OAKLAND.** One-story five-room dwelling.
Owner—Paul L. Petersen, 3440 Coolidge Ave., Oakland.
Architect—Not Given.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland. $3500

DWELLING
(396) NO. 1787 CLEMENS ROAD, **OAKLAND.** One-story 5-room dwelling.
Owner—Paul Mortensen, 217 Palmetto St., Oakland.
Architect—Not Given. $3430

DWELLING
(397) W WRENN ST. 100 S Leimert Blvd., **OAKLAND.** Two-story 7-room dwelling.
Owner—E. B. Jordan, Mera Street, Oakland.
Architect—Not Given.
Contractor — J. M. Scammell, 424 Scenic Ave., Piedmont. $8000

DWELLING
(398) NO. 3854 HIGH ST., **OAKLAND.** One and one-half-story 6-room dwelling.
Owner—Knute Palmquist, 3850 High St., Oakland.
Architect—Not Given. $3000

DWELLING
(399) NO. 671 SPRUCE ST., **BERKELEY.** Two-story ten-room frame dwelling and garage.
Owner—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Architect—Not Given. $6000

REPAIRS
(400) NO. 2435 COLLEGE AVENUE, **BERKELEY.** Fire repairs.
Owner—R. H. Herrod, Premises.
Architect—Not Given. $1800

ADDITION
(401) NO. 2126 TWENTY-SEVENTH Ave., **OAKLAND.** Addition.
Owner—Frank Guido, Premises.
Architect—Not Given.
Contractor — Chas. Ungaretti, 1727 Foothill Blvd., Oakland. $2000

DWELLING
(402) NO. 1815 109TH AVE., **OAKLAND.** One-story 5-room dwlg.
Owner — Jas. B. Grubb, 1801 109th Ave., Oakland.
Architect—Not Given. $3000

ALTERATIONS
(403) NO. 1456 FIRST AVE., **OAKLAND.** Alter apartments.
Owner, J. E. Patterson, 748 Lincoln Ave., Alameda.
Architect—C. H. Treichel, 696 Cleveland Ave., Oakland.
Contractor—A. A. Anderson, 417 49th St., Oakland. $4000

ALTERATIONS
(404) NO. 333 TWENTY - THIRD Ave., **OAKLAND.** Alterations.
Owner—Nat Lena, 1174 19th Street, Oakland.
Architect — Ray Keefer, 770 Wesley Ave., Oakland. $1000

REPAIRS
(405) NO. 5409 GROVE ST., **OAKLAND.** Fire repairs.
Owner—Ralph W. Webber, Premises.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1000

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
54	Alaska	Gerwich	3351

TRESTLE
(54) ALAMEDA. All work for construction of trestle.
Owner—Alaska Packers Corp.
Architect—Not Given.
Contractor—Ben C. Gerwick, Inc., San Francisco.
Filed Oct. 9, '34. Dated Sept. 24, '34.
End of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $3351
Bond, $3351. Surety, U. S. Fidelity & Guarantee Co. Limit. Dec. 1, 1934. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75 3881 24th Street; owner, Young & Hibbard, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 630 Franklin St. owner, Victory Garage, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
STORE house, $15; 3036 22nd St.; owner, Mrs. Anna Martin, Prem.
ALTER dwelling, $950; 376 Castenado St.; owner, C. C. Berwick, Prem.
ALTER monastery, $500; NW Parker Ave. and Fulton St.; owner, The Carmelites, Prem. contractor, J. S. Malloch, 666 Mission St.
SIGN, electric, $200; 2437 Mission St.; owner, Jos. Palonsky, Premises; contractor, Neon Sign Service Co. 1707 Folsom St.
STUCCO dwelling, $690 622 Connecticut St.; owner, Ettore Gregori, Prem.; contractor, Victor Oliva, 2729 21st St.
ALTER dwelling, $800; 2764 Greenwich St.; owner, G. Behrens, 2764 Greenwich St.
ALTER dwelling, $250; 250 Lowell St. owner, Katherine and Vernon Murasko Premises.
ALTER dwelling, $160; 515 2nd Ave.; owner, Nellie T. Sullivan, Prem.
GARAGE, private, $60; 1379 Palou St. owner, E. Mazzucato, 5110 3rd St.
ALTER dwelling, $80; 2400 Broadway owner, Mrs. Florence Richardson, Premises.
SIGN, electric, $75; 2972 Diamond; owner, Bernal Tavern, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Miss. Supplies &

1— APARTMENTS

Contract Awarded

ALTERATIONS Cost, $5000
OAKLAND, Alameda Co., Calif. 1456 First Avenue.
Alterations to residence for apts. (four 3-room apts.) frame work, stucco exterior, new tile roof, hot water heating system, revise plumbing.
Owner—J. E. Patterson.
Architect—Chester Treichel, 696 Cleveland Ave., Oakland.
Contractor—A. A. Anderson, 417 49th St., Oakland.

To Be Done By Day's Work.

ALTERATIONS Cost, $3000
SAN FRANCISCO. NW Jackson and Laguna Streets.
Alterations to apartments.
Owner—J. Lewin, 110 Sutter St., an Francisco.
Architect—Not Given.

2— BONDS

NO BIDS RECEIVED

GRIDLEY, Butte Co., Cal.—No bids were received by the Gridley Elementary School District for the sale of bonds in the amount of $35,000. Proceeds were to finance construction of a new elementary school in Gridley.

BIDS WANTED

SAN FRANCISCO—Until October 15, 3 P. M., bids will be received by the Board of Supervisors, J. S. Dunnigan, Clerk, for the sale of $260,000 in Airport Bonds.

The proceeds of the bond sale, together with a PWA grant, will be used to finance improvements at the San Francisco Municipal Airport.

3— CHURCHES

Contract Awarded

CHURCH IMPROVEMENT.
NAPA, Cal. Third and Patchetts Sts.
Move present church buildings and alterations to same (roofing, stuccoing, alterations for Sunday School facilities, etc.).
Owner—St. Mary's Parish.
Architect—Not given.
Contractor—E. W. Doughty, 1218 First St., Napa.

Sub-contracts Awarded.

ADDITION Cont. Price, $3358
WOODLAND, Yolo Co., Cal.
Frame and stucco addition to church (add two Sunday school rooms, social room in basement, etc.)
Owner—Baptist Church, Woodland.
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—J. G. Motroni, Box 537 Woodland.
Plumbing—R. P. Edie, Woodland.
Electric Wiring—Fred Welder, Woodland.
Sheet Metal—Jack Barth, Woodland.
Painting—Edwin Jewett, Woodland.
Hardware—Cranston Bros., Woodland
Construction started October 1.

Plans Completed.

ALTERATIONS Cost, $3000
SAN FRANCISCO. NW Van Ness Ave. and Green St.
Alterations to frame church building (alter choir, enralge west end of building, office in basement).
Owner—The Eastern Orthodox Church of Society of San Francisco, 1520 Green St.
Architect—Harry W. Abrahams, 461 Market St., San Francisco.
Bids will be asked in about two weeks.

Planned.

CHURCH Cost, $4000
SANGER, Fresno Co., Cal.
One-story frame and stucco church (36x60 feet) gallery to be 24x32 ft.
Owner—St. Paul's German Lutheran Church.
Architect—Not Given.
The building committee consists of Peter Scharton, Chairman; Christ Grass, Sr.; Andreas Krum, Fred Fink Ted Schingel. Jacob Steinert and Henry Ehoff. Schingel is the treasurer of the church fund.

To Take Segregated Bids October 25.

CHURCH Cost, $45,000
BERKELEY, Alameda Co., Cal. Vine and Walnut Strets.
One-story frame and stucco church (auditorium to seat 300, 10 classrooms, social hall with stage) tile and composition roof, hot air heating system, etc.
Owner—Church of Jesus Christ of the Latter Day Saints.
Architect—Theo. Ruegg, 1515 Tyler St., Berkeley.
Mr. Ruegg will start taking bids on segregated contracts on October 25.

4 — FACTORIES & WAREHOUSES

Planned

TANNERY Cost, $——
SANTA CRUZ. Santa Cruz Co., Calif.
Rebuild tannery recently destroyed by fire.
Owner—A. K. Salz Tannery (Stuart Miller, General Manager) Santa Cruz.
Architect—Not Given.
Further details will be announced shortly.

PREPARING PLANS

PASADENA, Los Angeles Co., Cal. —United States Forest Service; Henry S. Gierlich, supervisor of construction, Federal Bldg., Pasadena, is preparing plans for five large warehouses, machine shops and offices to be erected in the Arroyo Seco. The plans will be submitted to the regional forester at San Francisco for approval within a few days.

Planned.

SUGAR PLANT Cost. $1,500,000
CLARKSBURG, Yolo Co., Cal. Near City of Clarksburg; 75 acre tract.
Construct new sugar refinery (plant will comprise 15 buildings, railway tracks and spurs, cattle feeding pens and warehouses for shipping).
Owner—Amalgamated Sugar Co., (H. A. Benning, Vice President), Ogden, Utah.
Architect—Not Given.

To Be Done By Day's Work

SHED Cost, $2000
BURLINGAME, San Mateo Co., Calif. Lot 7, Block 14, Palo Field.
Corrugated iron shed.
Owner and Builder—C. A. Buck, 1433 Chapin St., San Mateo.
Architect—Not Given.

Sub-Contracts Awarded.

SHEDS Cost each, $3000
STOCKTON, San Joaquin Co., Cal. Stockton Harbor.
Two one-story gear sheds (30x62 feet each) galvanized siding, automatic sprinkler system, wood frame, concrete floors, etc.
Owner—City of Stockton(Port Commission).
Plans by Engineering Dept. of Owner. City Hall, Stockton.
Contractor—John Hackman, Farmington Road & Walker Lane, Stockton.
Masonry—J. Silver.
Plumbing—Gibson Plumbing Co., 123 S-Grant St., Stockton.
Electric Kiring—Girder Electric Co., 409 E. Weber St., Stockton.
Mill Work — Electric Planing Mill, Hezelton & Monroe Sts., Stockton.
Structural Steel — Valley Steel and Welding Co., 935 E. Scott Street, Stockton.
Reinforcing Steel—F. Klinger, 1269 N. Pilgrim St., Stockton.
Sheet Metal—Fraser Furnace Co., 445 S. San Joaquin St., Stockton.
Painting—J. Ecker, 17 W. Poplar St., Stockton.
Grading—Willard & Biasotti, 40 W. Clay St., Stockton.
Glass and Glazing—W. P. Fuller & Company.
Hardware—Austin Bros.
Lumber—Stockton Lumber Co.
Underground Water and Sprinkling Systems—Fire Protection Engineering Co., 369 Pine St., San Francisco.
All contractors of Stockton unless otherwise noted. Construction started September 26.

Sub-Contracts Awarded.

WAREHOUSE Cont. Price, $28,000
SAN JOSE, Santa Clara Co., Calif. Stockton Avenue.
One-story reinforced concrete warehouse and cutting room (126x165 feet); cement floors, reinforced concrete walls, 15-year guaranteed built-up roof, steel sash, some structural steel, plumbing, etc.
Owner—Muirson Label Co., 435 Stockton Ave., San Jose.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.
Masonry—Frank Filben, 1140 Martin Ave., San Jose.
Mill Work—Minton Lumber Co., Mt. View.
Structural Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Ornamental Iron—Harold Helwig, 577 W. Santa Clara St., San Jose.
Roofing—California Roofing Co., 4th St., San Jose.

Plastering — Joe Provenzano, 85 N. Willard St., San Jose.
Glass and Glazing—Sylvain Ledeit, 85 E. Humboldt St., San Jose.
Lumber—Chase Lumber Co., 547 W. Santa Clara St., San Jose.
Steel Sash—Soule Steel Co., 1750 Army St., San Francisco.

As previously reported, plumbing awarded to A. J. Peters, 455 Washington St., San Jose, at $2347; sheet metal to Wm. Ehlert, 956 The Alameda, San Jose, at $825; cement floors to Carl N. Swenson, 355 Stockton Ave., San Jose, at $4458.

Sub-Contracts Awarded.
PRINTING PLANT Cost, $150,000
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
One- and part two-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth St., S. F.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Grading — L. Devincenzi & Co., 148 Blake Street.
Plastering — A. Knowles, 982 Bryant Street.
Painting—Raphael Co., 270 Tehama Street.

As previously reported, heating and humidifying system awarded to Carrier Engr. Corp. of California, 748 E. Washington St., Los Angeles.

5— FLATS

To Be Done By Day's Work.
ALTERATIONS Cost, $4000
SAN FRANCISCO. No. 307-311 Capp Street.
Alterations to frame flats.
Owner—George W. Taylor, 2320 Acton St., Berkeley.
Architect—Not Given.

Being Done By Day's Work.
ALTERATIONS Cost, $300
NAPA, Napa Co., Cal. Division St.
Alterations to frame flats (two 5- and 6-room flats) remodel exterior, new entrances, etc.
Owner—L. J. Norton, 2150 Third St., Napa.
Architect—Not Given.
Agent—Louis A. Ezettle, Napa.
Construction is under way under the supervision of the owner.

6—GARAGES & SERVICE

Contract Awarded.
SERVICE STATION Cost, $10,000
FRESNO, Fresno Co., Cal. Van Ness Avenue and Olive Street.
New super service station (100 foot frontage); steel construction (3 pumps).
Owner—Hancock Oil Co.
Plans by J. T. Cowan.
Contractor — J. T. Cowan, 316 Brix Bldg., Fresno.

Contracts Awarded.
SERVICE STATION Cost, $7000
SAN FRANCISCO. NW Twenty-third and Valencia Streets.
One-story Class A service station and greasing station.
Owner—Standard Stations, Inc., 200 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Concrete—J. A. Grant, 666 Mission St.
Plumbing—Fred W. Snook, 596 Clay Street.
Wiring—Chas. Langlais, 472 Tehama Street.

Sub-Contracts Awarded.
ALTERATIONS Cost, $2000
SACRAMENTO, Sacramento Co., Cal. No. 2930 L Street.
Alterations to service station.
Owner—Standard Oil Co., Tenth and J Sts., Sacramento.
Plans by Engineering Dept. of Owner.
Contractor — E. H. Markwart, 286 Sacramento St., Sacramento.
Carpentry—Markwart Co., P. O. Box 286, Sacramento.
Plumbing—D. H. McAlpine, 800 36th St., Sacramento.
Electric Wiring—Sierra Mill & Lumber Co., 201 V St., Sacramento.
Sheet Metal—Dunphy Sheet Metal Works, 3136 Folsom Blvd., Sacramento.
Plastering—Thos. Scollan, 2919 T St., Sacramento.

Contract Awarded.
SERVICE STATION Cost, $10,000
FRESNO, Fresno Co., Cal. Broadway and Inyo Street.
New super service station (100 foot frontage); steel construction (3 pumps).
Owner—Hancock Oil Co.
Plans by J. T. Cowan, 316 Brix Bldg., Fresno.
Contractor—J. T. Cowan, Brix Bldg., Fresno.

Bids In—Held Under Advisement.
SERVICE STATION Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. Ninth and N Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Announcement will be made within a few days.

Contract Awarded
SERVICE STATION Cost, $10,000
BERKELEY, Alameda Co., Cal. 1201-1203 Grove St. (between Yolo and Hopkins Streets.)
Super - service station, Spanish-style architecture, brick, tile roof, steel sash.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.

7—FEDERAL BUILDING

BIDS WANTED
SAN FRANCISCO.—Until Oct. 16, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, for materials only for the construction of a one-story reinforced concrete army transport storage building and a one-story reinforced concrete chemical storage building at Ft. Mason. Bids are wanted on the following materials:
(1) steel frames and kalamein doors;
(2)steel door frames;
(3) steel sash;
(4) reinforcing steel;
(5) 45 yards readymix concrete;
(6) wire glass.
(7) mill work;
(8) lumber;
(9) miscellaneous bldg. materials;
(10) hardware;
(11) plumbing materials;
(12) electrical materials;
(13) asphalt and gravel for roofing.

TO ASK BIDS
RENO, Nevada—Bids will be asked shortly by the Treasury Department for the construction of a retaining wall along the Truckee River in front of the Post Office building in Reno. Estimated cost $30,000. Filling, landscaping and planting will cost an additional $3000. Further details will be announced shortly.

BIDS WANTED
FRANCE FIELD, C. Z.—Until Nov. 5, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, for the construction of a parachute, armament, radio and photo laboratory building and paint and dope house with appurtenances and utilities at France Field, Canal Zone Plans and specifications may be obtained from the above office upon deposit of $5.00.

Plans Being Completed.
POST OFFICE Cost, $214,500
HOLLYWOOD, Los Angeles Co., Cal. NW Wilcox and Selma Aves.
United States Post Office Building.
Owner—United States Government.
Architect—Claud Beelman, 1019 Union Bank Bldg., and Allison & Allison, Edison Bldg., Los Angeles.

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following have procured plans for the purpose of submitting bids to the Bureau of Yards and Docks, Navy Department, Washington, D. C., on Nov. 14, 11 A. M., for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor. The work includes concrete, hollow concrete unit work, steel and iron work, built-up roofing and sheet metal, pressed steel doors, steel windows, stucco and plastering, marble work, plumbing, refrigerating drinking fountain and electrical work. Specification No. 7770:
Detroit Steel Products Co., Washington, D. C.
Belmont Iron Works, 22nd and Washington Ave., Philadelphia, Pa.
Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.
Ingalls Iron Works Co., Birmingham, Alabama.
Rictor Constr. Co., 441 Lexington Ave.., New York City.
W. P. Thurston Co., Richmond, Va.
Russell & Irwin, New Britain, Conn.
Phoenix Bridge Co., Phoenix, Pa.
Crane Co., Washington, D. C.

CONTRACT AWARDED
LONG BEACH, Cal.—Schatz Venetian Blind Co. at $1,400 awarded contract by Post Office Department for furnishing and installing blinds or shades in the U. S. post office at Long Beach.

BIDS OPENED
CEDAR CITY, Utah — Arthur M. Gelden Co., 1240 N. Wells St., Chicago, submitted the only bid to the Treasury Department, October 3, at $1342, for painting plaster in the United States Post Office at Cedar City, Utah.

CONTRACT AWARDED
SAN DIEGO, Cal.—John F. and Laura Jackman Shanley, 2700 Kettner Blvd., San Diego, awarded contract by Bureau of Yards and Docks, at $4345 for repairs to buildings at the Eleventh Naval District (Hospital), San Diego; Specifications 7803.

October 10, 1934

BIDS WANTED
CANAL ZONE.—Until Nov. 20, bids will be received by the Governor of the Panama Canal, Balboa Heights, C. Z., for construction of the following buildings on the Canal Zone:
(1) 25 two-family concrete and wood quarters;
(2) 1 16-room concrete and wood bachelor quarters;
(3) 1 16 - apartment concrete apartment building (above to be constructed at Gatun);
(4) 2 one-family concrete and wood cottages at Ancon;
(5) 1 oil and paint storehouse of concrete at Mt. Hope.

Panama Canal will furnish all materials for structures. Contractor will furnish material for forms, scaffolding etc. Bids on all or part will be accepted. Plans available in the Canal Zone only. Specifications may be obtained from Washington, D. C.

CONTRACT AWARDED

CORVALLIS, Oregon. — J. Thomson, Philomath, Ore., at $1935 awarded contract by Treasury Department, for miscellaneous changes to the post office at Corvallis.

CONTRACT AWARDED

ELLENSBURG, Ore.—Cooper & Day Ellensburg, at $1,386 awarded contract by Treasury Department for interior painting of the post office building at Ellensburg.

BIDS WANTED

NOGALES, Ariz.—Until October 15 bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for plaster models for Nogales.

Low Bidders.

POST OFFICE Cost, $56,700
HILLSBORO, Oregon.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — Joseph H. Anderson, 3132 N. E. 69th St., Portland, Oregon, at $39,260.
Second low bid was submitted by Hoffman Construction Co., Portland, at $41,950. Complete bids will be published shortly.

BIDS WANTED

MARE ISLAND, Cal.—Until Oct 24, 11 A. M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for removing an existing coal fired air heating furnace located in the basement of double barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to compass house, Building No. 1 at the U. S. Naval Direction Finder Station, Point Reyes, Calif. Specification No. 7756
Plans and specifications may be obtained from above office and from Chief of the Bureau of Yards and Docks, Washington, D. C., upon deposit of $5.

Sub-Contracts Awarded.

OAKLAND, Cal. — Fred J. Early, Jr., 369 Pine St., San Francisco, awarded the following sub-contracts for the construction of additions and changes on the first floor and basement of the U. S. Post Office Building and Custom House in Oakland.
Mill Work and Lumber—E. K. Wood Lumber Co., Frederick and King Sts., Oakland.
Miscellaneous Iron—Frauneder Ornamental Iron Co., 335 8th Street, Oakland.
Plastering—Fatta & Grinaldi.
Electric—Scott-Buttner Co., 23rd & Webster Sts., Oakland.
Painting—Raphael Co., 270 Tehama St., San Francisco.
Plumbing and Heating—Max Finzel, 2025 Hopkins St., Oakland.
Hardware—Associated Hardware Co. 3860 San Pablo Ave., Oakland.
Cork Floor—Royal Floor Co., 7th and Brannan Sts., San Francisco.
Tile—H. C. Hallert.

BIDS OPENED

POST OFFICE Cost, $68,200
PITTSBURG, Contra Costa Co., Cal.
Fifth and Cumberland Streets.
United States Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. .
Low Bidder — Oliver S. Almlie, 60 Sussex St., San Francisco.
Complete bids follow:

Oliver S. Almlie, S. F.	$38,390
Schuler &McDonald, Oakland	39,441
Wm. Spivock, San Francisco	39,597
K. E. Parker Co., S. F.	39,693
A. Nelson, San Francisco	39,974
Young & Horstmeyer, S. F.	41,000

Bids held under advisement.

Revised Sketches Awaiting Approval.

POST OFFICE Cost, $55,000
LODI, San Joaquin Co., Cal.
One-story and basement Class A brick and steel Post Office building (60x 100 ft.) flat roof, brick and terra cotta front, steam heating system.
Owner—United States Government.
Architect—H. Heiman, 605 Market St., San Francisco.
Upon approval working drawings will be started.

BIDS WANTED

POINT MONTARA, Cal. — Until October 24, 11 A. M., bids will be received by Public Works Officers, Mare Island Navy Yard, for removing an existing coal fired hot air heating furnace located in basement of barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to the Compass House, Building No. 1, at the U. S. Naval Direction Finder Station, Point Montara, Calif. Specification No. 7758. Plans and specifications may be obtained from above office and from the Chief of the Bureau of Yards and Docks, Washington, D. C., upon deposit of $5.

BIDS OPENED

HILLSBORO, Oregon—Studio Architecture Sculpture, Washington, D. C., at $26.50 submitted low bid to Treasury Department for plaster models for the U. S. Post Office at Hillsboro, Oregon. Other bidders were:
Lombard & Ludwig, Inc. Washington D. C., $68.
Gorge Rosalie, New York City, $90.

CONTRACT AWARDED

SEATTLE, Wash.—Nelse Mortensen Co., 2021 Westlake Ave., N. Seattle, at $2190 awarded contract by the Treasury Department for alterations to third floor of the U. S. Federal Bldg., Seattle. Work involves wire mesh and hollow tile partitions, etc.

BIDS OPENED

MONTESANO, Wash.—Studio Architectural Sculpture, Washington, D. C., at $24 submitted low bid to the Treasury Department, for plaster models for the U. S. Post Office at Montesano, Washington. Other bids were:
Lombard & Ludwig, Inc., Washington, D. C., $48.
George Rosalie, New York City, $80.

BIDS OPENED

SILVER CITY, New Mexico.—Robert E. McKee, 108 W. 6th St., Los Angeles and El Paso, Texas, at $39,-875 submitted low bid to Treasury Department, Washington, D. C., for the construction of the U. S. Post Office at Silver City, New Mexico. Only other bid was submitted by Wm. MacDonald Construction Co., St. Louis, Mo., at $42,000. Bids held under advisement.

Date of Opening Bids Postponed Until October 26, 1 p. m.

ADDITION Cost, $——
SAN FRANCISCO. Fourteenth Avenue and Lake St. (Marine Hospital).
Construct addition to Plague laboratory.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Date was previously set for October 12.

Bid Opening Date Postponed Until November 15, 1 p. m.

COMPLETE POST OFFICE $24,000
LONG BEACH, Los Angeles Co., Cal.
Finishing fourth, fifth, six and seventh floors of Long Beach Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Date was previously set for Oct. 15.
Plans and specifications may be obtained from Treasury Department, Washington, D. C.

8— CLUB BUILDINGS

Planned.

AUDITORIUM Cost, $——
FRESNO, Fresno Co., Cal. Italian Entertainment Park.
Construct auditorium and social hall.
Owner—Verdi Club (Joseph Ochinero, President).
Architect—Not Selected.
Following have been appointed on a committee to secure estimates of costs, etc: Al Savino, A. Faretta, Tony Telesco, Tony Astone and John Kenna. Further details will be announced after October 21.

9— HOSPITALS

Bids Opened

HOME Cost, $100,000
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (two-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Low Bidder—Ira W. Coburn, 2048 Market St., San Francisco, $67,388.50.
Heating—Scott Co., 113 10th St., Oakland, $2,720.
Complete bids follow:

General Work

(1) deduct if Unit B is omitted.
(2) deduct if tea house is omitted.
(3 deduct for changing plaster to cheaper grade in Unit A.
(3-a) deduct for changing plaster to cheaper grade in Unit B.
(4) add for changing to metal lath in Unit A.
(4-a) add for changing to metal lath in Unit B.
(5) deduct for composition floors in Unit A.
(5-a) deduct for composition floors in Unit B.
(6) water bound macadam.

Ira W. Coburn, S. F.		$67,388.50
	(1)	25,650.00
	(2)	390.00
	(3)	400.00
	(3-a)	900.00
	(4)	220.00
	(4-a)	590.00
	(5)	200.00
	(5-a)	500.00
	(6)	50.00
A. F. Mattock, S. F.		$68,136.00
	(1)	23,364.00
	(2)	590.00
	(3)	369.00
	(3-a)	887.00
	(4)	365.80
	(4-a)	136.00
	(5)	190.00
	(5-a)	454.00
	(6)	85.40
Young & Horstmeyer, S. F.		$68,410.00
	(1)	25,000.00
	(2)	500.00
	(3)	369.00
	(3-a)	887.00
	(4)	173.00
	(4-a)	130.00
	(5)	190.00
	(5-a)	454.00
	(6)	30.00
K. E. Parker Co., S. F.		$69,600.00
	(1)	24,500.00
	(2)	400.00
	(3)	400.00
	(3-a)	900.00

	(4)	200.00
	(4-a)	100.00
	(5)	200.00
	(5-a)	500.00
	(6)	30.00
Robt. McCarthy, S. F.		$69,840.00
	(1)	26,000.00
	(2)	400.00
	(3)	369.00
	(3-a)	900.00
	(4)	223.00
	(4-a)	160.00
	(5)	190.00
	(5-a)	450.00
	(6)	50.00
A. Cederborg, Oakland		$71,300.00
	(1)	25,182.00
	(2)	572.00
	(3)	336.00
	(3-a)	480.00
	(4)	499.00
	(4-a)	285.00
	(5)	181.00
	(5-a)	284.00
	(6)	120.00
Frank J. Reilly, S. F.		$71,471.00
	(1)	25,800.00
	(2)	800.00
	(3)	369.00
	(3-a)	369.00
	(4)	120.00
	(4-a)	144.00
	(5)	190.00
	(5-a)	204.00
	(6)	50.00
E. T. Leiter & Sons, Oakland		$71,887.00
	(1)	26,000.00
	(2)	900.00
	(3)	100.00
	(3-a)	700.00
	(4)	500.00
	(4-a)	285.00
	(5)	100.00
	(5-a)	300.00
	(6)	120.00
William Spivock, S. F.		$71,927.00
	(1)	25,300.00
	(2)	335.00
	(3)	335.00
	(3-a)	680.00
	(4)	233.00
	(4-a)	250.00
	(5)	150.00
	(5-a)	280.00
	(6)	53.00
Kelly & Tulloch, Oakland		$73,000.00
	(1)	23,500.00
	(2)	550.00
	(3)	295.00
	(3-a)	737.00
	(4)	224.00
	(4-a)	100.00
	(5)	158.00
	(5-a)	394.00
	(6)	50.00
Lindgren and Swinerton, San Francisco		$73,834.00
	(1)	26,400.00
	(2)	540.00
	(3)	360.00
	(3-a)	800.00
	(4)	225.00
	(4-a)	140.00
	(5)	190.00
	(5-a)	400.00
	(6)	50.00
Joel Johnson, S. F.		$79,932.00
	(1)	18,187.00
	(2)	698.00
	(3)	369.00
	(3-a)	887.00
	(4)	143.00
	(4-a)	150.00
	(5)	190.00
	(5-a)	454.00
	(6)	30.00
W. G. Thornally, Oakland		$74,640.00
	(1)	28,400.00
	(2)	500.00
	(3)	370.00
	(3-a)	995.00
	(4)	499.00
	(4-a)	200.00
	(5)	205.00
	(5-a)	402.00
	(6)	120.00
Geo. J. Maurer, Piedmont		$76,299.00
	(1)	28,000.00
	(2)	500.00
	(3)	350.00
	(3-a)	900.00
	(4)	400.00
	(4-a)	300.00
	(5)	225.00
	(5-a)	500.00
	(6)	100.00
C. Dudley DeVelbiss, Oakland		$84,657.00
	(1)	28,541.19
	(2)	496.00
	(3)	350.00
	(3-a)	800.00
	(4)	250.00
	(4-a)	116.00
	(5)	175.00
	(5-a)	450.00
	(6)	15.00

Heating

(1) deduct.

Scott Co., Oakland		$2,720
	(1)	296
Standard Mech. Co., Oakland		$3,660
	(1)	411
O'Mara & Stewart, S. F.		$3,769
	(1)	457
W. H. Pickard, Oakland		$3,904
	(1)	387
Fred. W. Snook, S. F.		$4,004
	(1)	345
M. J. Reeves Heating Co., S. F.		$4,377
	(1)	520
Carl T. Doell, Oakland		$4,391
	(1)	421
Carpenter and Mendenhall, Sacramento		$4,570
	(1)	398
Pacific Heating & Ventilating Co. Oakland		$4,725
	(1)	470

Contracts awarded to low bidders.

Plans Being Figured—Bids Close Nov. 5, 2:30 P. M.

ALTERATIONS Cost, $3500

WOODLAND, Yolo Co., Cal. County Hospital Grounds.

Alterations to half of basement to provide for 30 additional beds at the Yolo County Hospital (basement to be walled and floored with concrete, heating and plumbing facilities, etc.)

Owner—County of Yolo.

Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

Plans and specifications may be obtained from the architect upon deposit of $10.

Sketches Prepared

DORMITORY Cost, $7,500

SAN JOSE, Santa Clara Co., Cal. Almshouse site.

One-story frame and stucco dormitory (shingle roof, gas heating system).

Owner—County of Santa Clara.

Architect — Chas. McKenzie, Twohy Building, San Jose.

BIDS WANTED

YREKA, Siskiyou Co., Calif.—Until Nov. 5, 10 A. M., bids will be received by W. J. Neilson, Clerk, Board of Supervisors, for remodeling and constructing fire escape on the new County General Hospital in Yreka. Also bids will be received for remodeling the warehouse and kitchen of County Hospital into bed wards.

Plans and specifications may be obtained from the County Surveyor at Yreka. Certified check for 10% of the amount bid required with each bid.

BIDS WANTED

BAKERSFIELD, Kern Co., Cal.—Until Monday, October 15, bids will be received by the Kern County Supervisors, Bakersfield, for steam heating at Stony Brook retreat.

Bids Rejected

BOILER PLANT Cost, $——

CAMARILLO, Ventura Co., Calif.

One - story reinforced concrete boiler plant (clay tile roof).

Owner—State of California.

Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Department of Public Works rejecteded all bids. Plans will be revised and new bids asked. Bids will also be asked at the same time for construction of the kitchen and dining hall, patient's unit, etc., at the Camarillo Hospital. Complete bids for the boiler plant published Sept. 19.

10— HOTELS

Contract Awarded

HOTEL, ETC. Cost, $25,000

QUINCY, Plumas Co., Cal.

Two-story hotel (Grand Central Hotel) 25 rooms and 3 stores); auto camp cottages to contain two rooms each in rear (type of construction not yet determined).

Owner—Mrs. Edith Hemstalk.

Architect — George Sellon, California State Life Bldg., Sacramento.

Contractor — C. J. Lee, Jackson St., Quincy.

11—ICE AND COLD STORAGE PLANTS

CONTRACT AWARDED

SAN DIEGO, Cal.—West Coast Gas Engine Co., San Diego, awarded contract by Bureau of Yards and Docks, at $3299, for replacement of refrigerating machinery at the Naval Operating Base (Training Station), San Diego; Specification 7792.

12— POWER PLANTS

BIDS WANTED

SEATTLE, Wash. — Until October 15, 10 A. M., bids will be received by the Seattle Board of Public Works, Room 511 County City Bldg., for the construction of a power house building, a combination transformer and switch platform, railroad bridge and tailrace, furnishing and placing concrete in generator pedestals, walls, beamts, slabs, and around machinery in Power House Building, for the Diablo Power Project, Skagit River Power Development Ordnaance No. 64869, Proposition "D" only.

Plans and specifications obtainable at the office of the City Light Engineer Division, 604 County-City Bldg., upon deposit of $20.

SACRAMENTO COUNTY, Cal.—Sacramento Utility District Directors have set Novemmer 6 as the date for a special eleection on a bond issue of $12,000,000, proceeds to be used in acquisition or construction of an electric power plant (steam operated) and distribution system to serve Sacramento and vicinity. Estimates of costs and revenues were completed recently by the firm of Burns & McDonnel. Albert Girvan is Chief Engineer and General Manager of the district.

CONTRACT AWARDED

PEARL HARBOR, T. H.—Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco, at $378,850 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for construction of an electrical distribution system with two substation buildings at the Repair Basin, Pearl Harbor Navy Yard. The work includes concrete, steel and iron, built - up roofing and sheet metal, pressed steel and steel rolling doors, steel windows, motor generator sets having automatic control, transformers and auxiliary equipment, new underground primary and secondary alternating current feeders, new under-

ground direct current feeders, series lighting system and telephone cables and terminal boxes. Spec. No. 7604.
Complete bids follow:
Alta Electric & Mechanical Co., San Francisco, $378,850.
C. C. Moore Co., San Francisco, $389,000.
George Hess, Los Angeles, $394,681.
H. H. Walker, Inc., & Fritz Ziebarth, Los Angeles, $398,780.
Hawaiian Electric Co., Honolulu, T. H., $414,000.
J. E. Morgan & Sons, El Paso, Texas, $422,688.
Watson Flagg Engineering Co., New York, $422,750.
Hawaiian Contracting Co., Honolulu, T. H., $423,000.
W. P. Thurston Co., Richmond, Va., $426,675.
E. A. Koeneman Electric Co., St. Louis, Mo., $430,765.
H. Z. Altberg, Inc., New York City, $432,300.
Jones Gas Process Corp., San Francisco, $486,243.
MacDonald Construction Co., St. Louis, Mo., $539,558.
Bids held under advisement.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Planned.
CITY HALL Cost, $20,000
SAN LEANDRO, Alameda Co., Cal.
New City Hall.
Owner—City of San Leandro (A. E. Pelton, City Manager).
Preliminary plans prepared by A. Pelton, Jr., San Leandro City Hall.
Further details will be announced shortly.

Bids Wanted—To Close November 5, 10 A. M.
JAIL.
YREKA, Siskiyou Co., Cal. Happy Camp.
One-story jail building.
Owner—County of Siskiyou.
Architect—Not given.
Plans and specifications may be obtained from County Surveyor, Yreka, Cal.
Certified check of 10% of amount of the bid must accompany each bid.

Contract Awarded.
COURT HOUSE Cont. Price, $34,308
WEAVERVILLE, Trinity Co., Cal.
Three-story reinforced concrete court house building (54x62 feet), 20 ft. annex to present building (steam heating system, oil burner, plumbing, electrical work, linoleum and shades, cells, guards, gates and grilles).
Owner—County of Trinity.
Architect—Jens C. Petersen, 812 26th St., Sacramento.
Contractor—J. C. Meyers, Rt. 1, Box 439, Stockton.
Following are three low bids received:
J. C. Meyers, Stockton.....$34,308
Young & Horstmeyer, S. F. 36,100
B. A. Howkins, S. F..... 37,944

Plans Being Prepared.
COURT HOUSE Cost, $385,000
SAN LUIS OBISPO, San Luis Obispo Co., Calif.
Three-story reinforced concrete court house (Spanish style) building will house assessor, tax collector, clerk, court rooms, supervisors' chambers, jail and sheriff's offices, etc.
Owner—County of San Luis Obispo.
Architect—Walker & Eisen, Pacific Commerce Bldg., Los Angeles.

BIDS OPENED
AUDITORIUM Cost, $375,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three-story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.).
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder & Curtis, 35 W. San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
Low Bidder—Charles A. Thomas, 127 Clayton Ave., San Jose, $314,000.
Complete bids follow:

General Contract
Charles A. Thomas, San Jose....$314,000
Dinwiddie Construction Co., San Francisco 318,800
Fredrickson & Watson, Oakland 341,730
K. E. Parker, San Francisco.... 344,000

Sprinklers
Rockwood Sprinkler Co., 7 Front St., San Francisco.....$6170

Plumbing
A. J. Peters, 455 Washington St., San Jose.....$11,628
Hately & Hately, Sacramento 11,660
Carpenter & Mendenhall, Sacramento 11,850
Scott Co., San Francisco..... 11,967
Wm. Ehlert, San Jose..... 16,320
Carl T. Doell, Oakland 18,014

Electric
Guilbert Bros., 286 W. Santa Clara St., San Jose.....$17,150
Roy M. Butcher, San Jose..... 17,328
T. H. Armstrong, San Jose..... 17,889

Mechanical
Hately & Hately, 1710 Tenth St., Sacramento $42,393
Carpenter & Mendenhall, Sacramento 43,138
James A. Nelson, San Francisco 44,100
A. J. Peters, San Jose..... 44,459
Carl T. Doell, Oakland 45,938
Scott Co., San Francisco..... 47,135
All bids taken under advisement except bid for sprinkler system which was rejected.

14— RESIDENCES

Contract Awarded
ALTERATIONS Cost, $2000
SAN MATEO, San Mateo Co., Cal. 414 Dorchester Street.
Alterations to frame residence.
Owner—Rolla B. Watt, 414 Dorchester St., San Mateo.
Architect—Not Given.
Contractor—B. Norberg, 832 Morrell, San Mateo.

To Be Done By Day's Labor.
RESIDENCE Cost, $3500
OAKLAND, Alameda Co., Cal. No. 1815 109th Avenue.
One-story frame and stucco residence 5 rooms).
Owner and Builder—Jas. B. Grubb, 1801 109th Ave., Oakland.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2500
FRESNO, Fresno Co., Cal. No. 803 Divisadero Street.
Alterations to residence.
Owner—F. F. Sherman, Premises.
Architect—Not Given.
Contractor—O. R. Osterode, Lind St., Fresno.

Contract Awarded.
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal.
One-story and basement frame and stucco residence (7 rooms) English type, wood shingle roof, electric heating system, tile baths, hardwood floors, etc.
Owner—J. M. Mannon.
Architect—Erle J. Osborne, 251 Kearny St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Construction has just started.

Plans Being Figured
ADDITION Cost, $——
MILL VALLEY, Marin Co., Calif.
Sun porch additon to residence (frame construction).
Owner—T. J. Sewell.
Architect—D. E. Jaekle, Call Bldg., San Francisco.

Plans Being Figured — Bids Close October 16.
RESIDENCE Cost, $——
HUGHSON, Stanislaus Co., Cal.
Two-story and basement frame and stucco residence (9 rooms and 2 baths) shingle roof, oil heating system, hardwood floors, tile baths etc.
Owner—S. C. Galt.
Architect—G. N. Hilburn, 1213 I St., Modesto.

Preparing Sketches.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
One-story and basement frame and stucco residence (5 rooms) Studio type, shake roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Prepared.
RESIDENCE Cost, $9000
BERKELEY, Alameda Co., Cal. Berkeley Highlands Terrace.
Two-story frame and stucco residence (6 rooms and 3 baths, recreation room); shake roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Bids will be asked in about sixty days.

Sub-Bids Being Taken.
RESIDENCE Cost, $5500
MILL VALLEY, Marin Co., Cal.
One-story and basement wood and brick residence (5 rooms) Studio type, shingle roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Mrs. Evelyn Lord.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Architect is receiving the sub-bids.

Plans Being Completed.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. Cragmont Ave. and Grizzly Peak Blvd.
Two-story frame and stucco residence (6 rooms, 2 baths) shake roof, gas heating system, hardwood floors, tile baths, etc.
Owner and Builder—J. M. Walker, 1709 Grove St., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Sub-bids will be taken in about ten days.

Plans Being Prepared
RESIDENCE Cost, $6000
ORINDA, Contra Costa Co., Calif.
One - story and basement frame and brick veneer residence (6 rooms) tile roof, oil heating system, hardwood floors, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Bids will be asked in about 2 weeks.

To Be Done By Day's Work
ALTERATIONS Cost, $1500
SAN FRANCISCO, 712 Lake Street.
Alterations to frame residence.
Owner—Mr. Geauque, 712 Lake Street.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $10,912.30
PETALUMA, Sonoma Co., Cal.
Two-story and basement frame and stucco residence (10 rooms and 2 baths) tile roof, some composition, gas fired warm air heating plant.
Owner—G. Zitlau.
Architect—Brainerd Jones, 226 Washington St., Petaluma.
Contractor—Albert Hermann, Penngrove, Calif.
Plumbing—Frank Holrup, Petlauma.
Electric Wiring—H. Weber, Petaluma
Terra Cotta—Ben Shell, Petaluma.
Reinforcing Steel—Van Bebber Bros., Petaluma.

Sub-Contracts Awarded.
RESIDENCE Cost, $12,000
SALINAS, Monterey Co., Cal. Maple Park.
Two-story frame and stucco residence
Owner—Peter A. Stolich, Salinas.
Architect—W. A. Doctor, 362 Hudson St., Oakland.
Contractor — Harry C. Knight, 1435 Harrison St., Oakland.
Lumber — Square Deal Lumber Co., Salinas.
Hardware — Salinas Hardware Co., Salinas.
Grading & Excavation—W. A. Dontanville, Salinas.
Concrete Work—W. A. Dontanville.

Sheet Metal—Ben Shell, Petaluma.
Ornamental Iron—Van Bebber Bros.
Painting—Wm. Kruse, Petaluma.
Lumber—Canm & Hedger Co., Petaluma.
Hardwood Floors—W. B. Chamberlin, Petaluma.
Iron Grille Work—Van Bebber Bros.

Contract Awarded
RESIDENCE Cost, $5,000
SAN MATEO, San Mateo Co., Calif. Lot 12 Block 7, 24th Avenue.
One - story and basement frame and stucco residence.
Owner—A. Corbelli, 1463 Lombard St., San Francisco.
Architect—Not Given.
Contractor—D. Amoroso, 1053 Park Ave., San Mateo. 4

To Be Done By Day's Work
RESIDENCE Cost, $3000
SAN MATEO, San Mateo Co., Calif. Lot 11, 39th Avenue.
Owner and Builder — F. Hurlbut, 735 Laurel Ave., San Mateo.
Architect—Not Given. 4

Contract Awarded
ALTERATIONS Cost, $1475
SAN FRANCISCO. 2638 Anza Street.
Alterations to frame and stucco residence (add room and bath, new roof, etc.)
Owner—Leonard and Florence C. De Carlo, 2638 Anza Street.
Architect—Not Given.
Contractor—Walter G. Vodden, 1135 Cabrillo Street. 1

Preliminary Plans Being Prepared.
COTTAGE Cost, $4000
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
One-story frame warden's cottage (5 rooms) ;art tile roof, etc.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

Additional Contracts Awarded
RESIDENCE Cost, $18,000
PALO ALTO, Santa Clara Co., Calif., 27 Crescent Drive.
Two - story and basement frame and stucco residence (10 rooms and 3 baths) tile roof, gas heating system, hardwood and tile floors, etc.
Owner—Mrs. Anna Maskey, Los Altos.
Architect—Gardney Dailey, 219 Post St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.
Tile—Art Tile & Mantel Co., 221 Oak St., San Francisco.
Sheet Metal — Stanford Sheet Metal Works.
Roofing—Reeves Roofing Co.
Plastering—Wm. Makin, 2141 Livingston, Oakland.
Heating—Standard Heating & Sheet Metal Works, 921 Alma St., Palo Alto.
Other awards reported Sept. 11, 1934.

To Be Done By Day's Work.
RESIDENCES Cost, $5000 each
SAN FRANCISCO. W Melba 47 S Ocean Avenue.
Three one-story and basement frame and stucco residences (5 and 6 rooms each).
Owner and Builder—Fernando Nelson & Sons, 19th Ave. and Sloat Blvd. San Francisco.
Plans by Owner.

Contract Awarded.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal. W Wrenn St. 100 S. Leimert Blvd.
Two-story and basement frame and stucco residence (7 rooms).
Owner—E.B. Jordan, Mera St., Oakland.
Architect—Not Given.
Contractor — J. W. Scammell, 424 Scenic Ave., Piedmont.

To Be Done by Day's Work.
RESIDENCE Cost, $3500
OAKLAND, Alameda Co., Cal. No. 3854 High Street.
One and one-half-story frame and stucco residence (6 rooms).
Owner and Builder—Knute Palmquist 3850 High St., Oakland.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Cal. No. 1787 Clemens Road.
One-story and basement frame and stucco residence (5 rooms).
Owne and Builder—Paul Mortensen, 2417 Palmetto St., Oakland.
Architect—Not Given.

Contract Awarded.
OAKLAND, Alameda Co., Cal. No.
RESIDENCE Cost, $4000
3311 Kingsland Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner—Paul L. Petersen, 3440 Coolidge Ave., Oakland.
Architect—Not Given.
Contractor—Olaf Petersen, 3626 Rhoda Ave., Oakland.

Preparing Working Drawings.
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Cal. St. James Wood.
Two-story frame and stucco residence (8 rooms).
Owner—Withheld.
Architect—W. E. Schirmer, Bank of American Bldg., Oakland.
Bids will be asked shortly.

Preparing Working Drawings.
RESIDENCE Cost, $8000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence (7 rooms)
Owner—Withheld.
Architect—W. E. Schirmer, Bank of America Bldg., Oakland.
Bids will be asked shortly.

Contract Awarded.
RESIDENCE Cost, $6000
SAN JOSE, Santa Clara Co., Cal. No. 1565 Calaveras Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—C. I. Joakimson, 1386 Naglee Ave., San Jose.
Architect—Not Given.
Contractor—Paule Anderson, 1210 Lincoln Ave., San Jose.

To Be Done By Day's Work
RESIDENCE Cost, $7000
BERKELEY, Alameda Co., Calif. 671 Spruce Street.
Owner and Builder—Milton S. Bonds, 30 Halkin Lane, Berkeley.
Plans by Owner.

Sub-Contracts Awarded
ALTERATIONS Cost, $3450
SAN CARLOS, San Mateo Co., Calif. 700 Chestnut Street.
Alterations and additions to residence.
Owner—Henry Wrigley, 700 Chestnut St., San Carlos.
Plans by Owner.
Carpentry—Roy Gaven, San Carlos.
Plumbing—Wm. J. Scott, 548 El Camino Real, San Carlos.
Electric Wiring—San Carlos Elec. Co., 1163 San Carlos Ave., San Carlos.
Mill Work — Pacific Mfg. Co., Santa Clara.
Roofing — Jack Johnson Roofing Co., 2013 Broadway, Redwood City.
Sheet Metal—Redwood City Sheet Metal Works, 502 Arguello, Redwood City.
Glass and Glazing—Pacific Mfg. Co., Santa Clara.
Lumber—San Carlos Lbr. Co., County Road, San Carlos.
Brick Work—Harry Gee, 777 Elm St., San Carlos.
Bids are being taken on heating, painting, plastering, tile work, hardware, hardwood floors and window shades.

Low Bidder
RESIDENCE Cost, $3500
PLEASANTON, Alameda Co., Calif.
One-story frame and stucco residence (four rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Low Bidder—Mark Bristol, 1038 McKinley St., Oakland.

15— SCHOOLS

Engineers Appointed.
SCHOOL Cost, $300,000
SAN FRANCISCO. Twenty-fifth and Bryant Streets (Sunshine - Buena Vista School).
Two-story reinforced concrete school (18 classrooms, dining room, exercise room, vocational room, rest rooms, auditorium to seat 500).
Owner—City and County of San Francisco.
Architects — Martin J. Rist, Phelan Bldg.; Charles F. Strothoff, 2274 15th St.; Smith O'Brien, 2032 Baker St., and Albert Schroepfer, 681 Market Street.
Structural Engineer—H. J. Brunnier, Sharon Bldg.
Mechanical and Electrical Engineer—A. R. McLaren, 611 Howard St.

Associate Architects Named.
SCHOOL Cost, $——
SAN FRANCISCO. Geary and Scott Streets.
Restoration of portion of Girls' High School (portion recently destroyed by fire).
Owner—City and County of San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Associate Architects—Henry C. Smith Humboldt Bank Bldg., and Mark T. Jorgensen, 525 Market St.

CONTRACTS AWARDED
LONG BEACH, Los Angeles Co., Cal.—W. E. Allen, 752 W. Anaheim St., Long Beach, awarded general contract by Long Beach Board of Education at $35,483 (using salvaged materials) for construction of building at Seaside School site. Thomas E.

Williams Co., 256 Alamitos Avenue, Long Beach, award d plumbing and heating at $795 and B. Hartman, 168 Sunset St., Long Beach, the electric wiring at $2505. Roger K. Nissen, 501 Termino St., Long Beach, architect.

Bids Opened.
SCHOOL Cost, $2500
MODESTO, Stanislaus Co., Cal.
One-story frame and stucco school (Ensien School Building).
Owner — Modesto Elementary School District (E. D. Abbott, Secretary) Modesto.
Architect—J. J. Donovan, 915 Barker St., Berkeley.
Low Bidder—H. W. Johnson, 1229 W. Magnolia St., Stockton.
Complete bids follow:
H. W. Johnson, Stockton.....$2856.39
M. O. Ward, Modesto..... 2990.00
L. Uhels, Ripon..... 3058.00
Wendell Thompson, Modesto.. 3119.00
Bids held under advisement.

BIDS WANTED
TULE LAKE, Siskiyou Co., Cal.—Until October 23, 7:30 P. M., bids will be received by E. H. Kaupp, Clerk, Siskiyou Union High School District, for installation of an electrical wiring system in the gymnasium building at Tule Lake. Starks & Flanders, Forum Bldg., Sacramento, architects.
Plans and specifications may be obtained at the office of the High School District. Superintendent, A. G. Grant, Park Hotel Bldg., Mount Shasta. Certified check in the amount of 10% of the total amount bid is required with each bid.

LOW BIDDER
PASADENA, Los Angeles Co., Cal.—E. F. Wopschall, 35 N. Broadway, Pasadena, submitted low bid to Pasadena Board of Education at $32,931, for reinforcing and altering the shop building at the Washington Junior High School. Frederick Kennedy Jr., 1041 E. Green St., Pasadena, Architect.

Plans Being Completed.
SCHOOL Cost, $100,000
SAN FRANCISCO. Patrick Henry School, 18th and Vermont Sts.
Two-story reinforced concrete school unit (8 classrooms).
Owner—City of San Francisco (School Department).
Architect — W. D. Peugh, 333 Montgomery St. and Gardner A. Dailey 210 Post St., San Francisco.
Structural Engineer—Walter Huber, 1 Montgomery Street.
Mechanical Engineer—Leland & Haley, 58 Sutter Street.
Plans will be completed in about two weeks.

Plans Being Prepared.
SCHOOL Cost, $130,000
LA GRANDE, Oregon. Eastern Oregon Normal School Campus.
Two-story concrete and cast stone training school (192x86 feet), oil burning heating system.
Owner—State of Oregon.
Architect—J. V. Bennes, Lewis Bldg. Portland, Oregon.
Project will be financed by PWA allotment and state grants.

BIDS OPENED
SAN FRANCISCO—M. E. Vukicevich, 666 Mission St., at $6393 submitted low bid to Department of Public Works for fire escapes at the Starr King School located on the southeast corner of 25th and Utah Streets.
Complete bids follow:
M. E. Vukicevich.....$6393
Golden Gate Iron Works..... 6598
F. C. Amoroso & Son..... 6890
O. Monson 6934
William Spivock 8169
Bids held under advisement.

PLANS AWAITING APPROVAL
ONTARIO, San Bernardino Co., Cal.—Architects Allison & Allison, 1014 Edison Building, have completed working drawings and have received state approval of plans for a library building to be built at the Chaffey junior college, Ontario, for the Chaffey Junior College and High School District. Cost $65,000. 5

Plans Being Completed.
SCHOOL Cost, $35,000
GRIDLEY, Butte Co., Cal.
Replace McKinley Primary School with one-story frame and stucco building (8 rooms); concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans will be forwarded to the State Division of Architecture for approval in two weeks.

Bids Wanted—To Close October 18, 8 P. M.
SCHOOL Cost, $48,000
ROSEVILLE, Placer Co., Calif.
One-story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner — Roseville Elementary School District (Pete Priest, Clerk).
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.
Plans and specifications may be obtained from the architect. No deposit required.

PLANNED
ROSEVILLE, Placer Co., Cal. — Roseville Elementary School District will file an application with SERA officials for improvements to grounds at the Vernon Street School. Plans call for planting lawn and shrubbery, filling and leveling, installation of sprinkling system and installation of curbing.

SALE OF PROPERTY
HEALDSBURG, Sonoma Co., Cal.—Healdsburg Grammar School District will offer for sale old grammar school building and property located on Tucker Street. Sale is scheduled for October 26 at 8 p. m. Minimum price of whole is set at $18,000.

CONTRACT AWARDED
SAN FRANCISCO—Inlaid Floor Co., 600 Alabama St., at $74.50 awarded contract by Department of Public Works for laying hardwood floors in two offices in the Bay View School.
Work includes laying approximately 70 square feet of 5/16 x 8 S. C. plain oak; border of same; two nails to each board and 7 in. apart. Finish with one coat paste filler, color as selected; two coats of shellac and one coat of wax.

CONTRACT AWARDED
SAN FRANCISCO—Ace & Square Del Floor Co., 2323 Broderick Street, at $16.50 awarded contract by Department of Public Works for sanding floors in Domestic Science rooms at the Daniel Webster School preparatory to laying linoleum. Work involves approximately 1800 sq. ft. of floor space.

BONDS FOR SALE
WILLIAMS, Colusa Co., Cal.—Williams Union Elementary School District will sell bonds in the amount of $8,000 on October 29, 2 p. m. Proceeds are to assist financing of the new grammar school in Williams, estimated to cost $14,000, for which the PWA has approved loan of $6,000. Plans prepared by Architects Starks and Flanders, Forum Building, Sacramento.

BIDS WANTED
SONOMA, Cal.—Until October 24, 7:30 p. m., bids will be received by Sonoma Valley Union High School District, Sonoma for furnishing lumber and cement for the construction of a high school building in Sonoma. Plans and specifications may be obtained from R. O. Hotz, Clerk of the Board of Trustees of the School District, Sonoma. Certified check of 5% of amount bid must accompany each bid.

BOND ELECTION
DALY CITY, San Mateo Co., Cal.—Jefferson School District will hold an election on November 2 (date postponed from October 5), at which time bonds in the amount of $105,000 will be voted to finance construction of the Crocker Elementary School, Jefferson Elementary School and the Woodrow Wilson Elementary School, estimated cost $35,000 each. Preliminary sketches for the buildings have been prepared by Architect Albert F. Roller, Crocker First National Bank Building, San Francisco.

Material Bids Wanted—To Close Oct. 19, 2 P. M.
MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Cal.
One-story frame and stucco music building (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Construction—Wm. Radtke, P. O. Box 494, Gilroy.
(1) Ornate tile and brick.
(2) Structural steel.
(3) Lumber.
(4) Lumber.
(5) Gas heaters.
(6) Mill work.
(7) Cement.
(8) Aggregate.
(9) Reinforcing steel.
(10) Hardware.
(11) Plaster materials.
(12) Roofing materials.
(13) Electrical materials.
(14) Plumbing materials.
(15) Sheet metal materials.
Plans and specifications may be seen at the office of the architect or at the office of the high school in Gilroy.

Plans Being Prepared.
SCIENCE BLDG. Cost, $48,000
WASCO, Kern Co., Cal. Wasco Union High School.
One-story reinforced concrete science building (reinforced concrete frame and filler walls, wood frame partitions and roof framing, tile roof, linoleum and maple floors, tile floors in toilets, acid proof floors in chemistry laboratory; metal lath, etc.
Owner — Wasco Union High School District.
Architect—E. J. Symmes, 215 Haberfelde Bldg., Bakersfield.
Bonds are to be sold on October 29 and bids will be asked immediately after that date.

Bids Wanted—To Close Oct. 29, 8 P.M.
SCHOOL Cost, $——
LOWER LAKE, Lake Co., Calif.
One-story brick grammar school bldg. (three classrooms) tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant Street, Healdsburg.
Plans and specifications may be obtained from Mrs. Alloe E. Kugleman, Clerk of the Board, upon deposit of $10.00 .

Prospective Bidders
SCHOOL Cost, $16,300
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 192 Main St., Hayward.
Following have procured plans. Bids open Oct. 13, 8 P. M:
William Spivock, Hobart Bldg., San Francisco.
Emil Person, 829 San Luis Road, Berkeley.
Chester Gossett, 327 Woodland Park, San Leandro.
Geo. Petersen, 1841 Bancroft Ave., San Leandro.
Albert Haskell, 255 Ridgway Ave., Oakland.
A. Holyoake, 2839 East Ave., Hayward.
Jacob Meek, 1455 154th Street, San Leandro.
L. C. Dunn, 681 Market Street, San Francisco.
H. Suttle, 1701 D St., Hayward.
A. Cederborg, 1455 Excelsior Ave., Oakland.
Kelly & Tulloch, 335 Eighth Street, Oakland.
John E. Branagh, 354 Hobart Street, Oakland.
M. E. Vukicevich, 666 Mission St., San Francisco.
J. R. Armstrong, 1131 Fleet Road, Oakland.
Geo. Lund, 21696 Montgomery Ave., Hayward.
E. T. Leiter & Son, 811 37th Street, Oakland.
N. H. Sjoberg & Sons, Call Bldg., San Francisco.
Young & Horstmeyer, 461 Market St. San Francisco.
Bids will be opened at the residence of Mr. Guy Cauble, Dixon St., Valle Vista, four miles from Hayward.
Plans and specifications may be obtainable from Mr. McCall upon deposit of check in the amount of $25 made payable to Guy Cauble.

CONTRACT AWARDED
WILMINGTON, Los Angeles Co., Cal.—Monolith Constr. Co., 169 N. La Brea Ave., awarded contract at $49,477 by Los Angeles Board of Education for reconstruction, rehabilitation and strengthening main building at Gulf Avenue School, Wilmington Monolith Construction Co. submitted the names of the following subcontractors with their bid: Lee Mead, demolition, $3271; City Ornamental Iron Works, steel and iron, $2226; Ed Westberg, gunite, $11,997; Long Beach Marble & Tile Co., marble and tile, $1004; Main Cornice Works, sheet metal, $130; Arenz-Warren Co., painting, $473; Hickman Bros., plumbing, heating and ventilating, $899; B. Malloy electric wiring, $450. H. L. Gogerty, 116 N. Santa Fe Ave., Compton, architect. Structural Engineer, R. McC. Beanfield, Chamber of Commerce Bldg., Los Angeles.

16—BANKS, STORES AND OFFICES

Contract Awarded.
RESTAURANT Cost, $2700
EAST PALO ALTO, Santa Clara Co., Cal. University Ave. and Bayshore.
One-story frame restaurant.
Owner—J. L. Mollenhauerr.
Architect—Charles K. Sumner, Dockweiler Bldg., Palo Alto.
Contractor—E. J. Schmaling, 863 Melville Ave., Palo Alto.

Sub-Contracts Awarded.
ADDITION Cont. Price, $17,561
SALINAS, Monterey Co., Cal. Monterey and San Luis Streets.
Addition to Drive-in-Market (125 feet frontage) add two 20-foot store fronts (work includes concrete construction, concrete floors, steel and glass doors, tile trim, etc.)
Owner—Salinas Drive-in-Market, San Luis and Monterey Sts., Salinas.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Sam Trondhjem, 45 Geil St., Salinas.
Plumbing—Anderson & Dougherty & Co., Salinas.
Electric Wiring—Evans Electric Co., Salinas.
Mill Work—Salinas Planing Mill, Salinas.
Structural Steel—Engfer Iron Works, San Jose.
Sheet Metal — Anderson-Dougherty-Hargis Co., Salinas.
Painting—C. F. Smith, Salinas.
Tile Work — Rigney Tile Co., 3012 Harrison St., Oakland.
Grading and Excavation—E. Ayers, Salinas.
Glass and Glazing—W. P. Fuller & Co.
Lumber—Tynan Lumber Co., Salinas Co., 301 Mission St., S. F.

Glass Contract Awarded
ALTERATIONS Cost, $9000
SAN FRANCISCO. Fifth and Mission.
Alterations to lobby and depot of Pacific Greyhound Lines.
Owner—Pacific Greyhound Lines, 5th and Mission Streets.
Architect—W. D. Peugh, 333 Montgomery Street.
Contractor—G. P. W. Jensen, 320 Market Street.
Glass—W. P. Fuller Co., 301 Mission Street.
As previously reported.
Mill Work—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Sts.

Owner Taking Bids.
STORE Cost, $7000
QUINCY, Plumas Co., Cal.
One-story reinforced concrete store building.
Owner—Mr. Huskinson.
Architect — Harry Devine, California State Life Bldg., Sacramento.

FIRE LOSS
GEORGETOWN, Eldorado Co., Cal.—Fire destroyed ten business houses and two residences and a public garage in Georgetown October 4. Damage estimated at $75,000. Following property owners announce plans for rebuilding in the near future:
J. C. Ackley, residence.
James Smith and Ramuel Roy, coffee shop.
S. J. Franci, butcher shop and refrogerating plant.
R. J. Nelson, general store and warehouse.
Andrew Johnson, liquor store and barber shop.
Alex Francis, liquor store.
Sornberger Estate, Club.
Orelli Estates, cafe.
Pacific Telephone and Telegraph Co. offices.
E. M. Hammond, residence.
Barklage Estate, garage.

Sub-Bids Being Taken.
BUILDING Cost, $10,000
SAN FRANCISCO. E Twenty-seventh Ave. 225 S Balboa St.
One-story and basement frame and stucco building.
Owner — Babies Aid, 31st Ave. and Balboa St., San Francisco.
Architect—Not Given.
Contractor—A. C. Hamerton, 155 Taraval St., San Francisco.

Planned
DANCE HALL Cost, $25,000
SANTA CLARA COUNTY, Cal. Bayshore Highway and Alviso Road.
Construct new dance hall.
Owner—Jack Kaiser and Chas. Mackrell, 1415 G St., Sacramento.
Architect—Not Given.
Application to erect the building has been filed with the County Board of Supervisors and upon approval further details will be announced.

PREPARING PLANS
LOS ANGELES, Cal.—Architect S. Charles Lee, 2404 W. 7th St., is preparing working plans for a commercial building to be built at the corner of Hawthorne and Highland Aves. for Max Factor. The front of the present four-story building will be cut off on account of the widening of Highland Ave., and a four-story side and rear addition will be constructed. The entire project will cover an area 200x140 feet. Reinforced concrete construction. Cost, $250,000.

BIDS WANTED
BAKERSFIELD, Kern Co., Cal.—Until Monday, October 15, bids will be received by the Kern County Supervisors, Bakersfield, for alterations to county farm advisor's office.

Structural Steel Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 1660 Haight Strett.
Alterations to store (new front, etc.)
Owner—Mrs. C. E. Hart, 897 Clayton St., San Francisco.
Architect—Not Given.
Contractor — Geo. Wagner, 181 South Park, San Francisco.
Structural Steel—Western Iron Works 141 Beale St., San Francisco.

Plastering Contract Awarded.
OFFICE Cost, $8000
SAN FRANCISCO. SW Sixteenth and Illinois Streets.
One-story frame office, garage and warehouse.
Owner — Rio Grande Oil Co., 417 S. Hill St., Los Angeles.
Plans by Engineering Dept. of Owner.
Contractor — Harman-Pacific Co., 7 Front St., San Francisco.
Plastering — Lee Nix, 4127 Kirkham St., San Francisco.
Painting bids are being taken.
As previously reported, plumbing awarded to James H. Pinkerton, 927 Howard St.; electric to Collonan Elec. & Mfg. Co., 3201 Mission St.; lumber to Rolando Lumber Co., 301 Berry St.

17— THEATRES

Sub-Contracts Awarded.
ALTER THEATRE Cost, $12,000
FRESNO, Fresno Co., Cal. No. 1213 Fuuton Street.
Alterations and redecorating of Kinema Theatre (remodel entrance, lobby, foyer, orchestra pit, rearrange seating, etc.) work includes plastering, millwork, lumber, etc.
Owner—Fresno Theatres, Inc. (Subsidiary of Fox West Coast Theatres).
Plans by Engineering Dept. of Owner.
Contractor — Alfred J. Hopper, 1769 Pleasant Valley Ave., Piedmont.
Carved Glass—Pioneer Carved Glass Co., 468 Hayes St., San Francisco
Doors—Western Door & Sash Co., 112 Market St., Oakland.
Concrete Materials—Chas. R. Thompson, Fresno.
Ornamental Iron—C. Frauneder, 835 Eighth St., Oakland.
Plastering—C. W. Purcell, 238 Abby St., Fresno.
Lumber—Willard Lumber Co., Fresno

Hardware — Marchall-Newell Supply Co., Spear and Mission Sta., San Francisco.
Contracts on plumbing and electric wiring not yet let.

18—WHARVES & DOCKS

CONTRACT AWARDED
RICHMOND, Cal. — Healy-Tibbitts Construction Co., 64 Pine St., San Francisco, has been awarded a contract by the Standard Oil Co. of California, H. H. Hall, Chief Engineer, 225 Bush St., San Francisco, for repairs to the long wharf at Richmond in the Outer Habror. Work includes new piling and decking. Contract price approximately $30,000.

Construction Under Way.
EXTEND DOCK Cost, $6000
BENICIA, Solano Co., Cal.
Pile and timber extension to dock (60 feet).
Owner—Paul S. Wetmore, Benicia.
Architect—Not Given.
Contractor—David Paganini, 519 California St., San Francisco.

19—MISC. CONSTRUCTION

Additional Sub-Contracts Awarded.
RACE TRACK Cost, $140,000
SAN MATEO CO., Cal. Bay Meadows (Curtiss-Wright Airport).
Horse racing plant (structural steel, frame and concrete grandstand to seat 6000) parking area, etc.
Owner—California Jockey Club (Wm. P. Kayne, General Manager), 1945 Broadway, San Francisco.
Architect — Maury I. Diggs, 364 14th St., Oakland.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Floor and Wall Tile — Mangrum & Holbrook, 1235 Mission St., San Francisco.
Cast Cement—P. Bradley, 639 Brannan St., San Francisco.
Glass (Grand Stand)—W. P. Fuller & Co., 301 Mission St., S. F.
Glass (Club House(— Center Hardware & Glass Co., 600 4th St., San Francisco.
Hardwood Floors (Club House) — Royal Floor Co., 7th and Brannan Sts., San Francisco.
Painting contract will be awarded within a few days.
Other awards reported Sept. 12.

BIDS OPENED
SAN FRANCISCO—Plombo Bros. & Co., 1571 Turk St., San Francisco, at $78,280 submitted low bid to the Public Utilities Commission, City Hall, for the construction of a levee for extension of the landing field at San Francisco Airport, under Airport Contract No. 31.
Bids were taken as follows:
(1) 140,000 cu. yds. constructing levee
(2) 10 MFBM constructing spillway.
(3) Total.
Complete bids follow:
Plombo Brls. & Co., San Francisco, (1) $0.552; (2) $100; (3) $78,280.
Healy-Tibbitts Constr. Co., (1) $0.70; (2) $70; (3) $98,700.
Sibley Grading & Teaming Co., Ltd., (1) $0.75; (2) $150; (3) $106,500.
Hanrahan - Wilcox Corp., (1) $0.77; (2) $80; (3) $108,600.
Granfield-Farrar & Carlin, (1) $0.79; (2($55; (3($111,105.
MacDonald & Kahn Co., Ltd., (1) $1.38; (2) $100; (3) $194,000.
Bids held under advisement.

Contract Awarded.
RETAINING WALL Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 405 W. Santa Clara St.
Retaining wall.
Owner—L. O. Normandin, Premises.
Engineer — W. D. Lotz, 35 W. San Carlos St., San Jose.
Contractor—Chas. Thomas, 127 Clayton Ave., San Jose.

BIDS OPENED
SAN FRANCISCO.—Following bids received by the U. S. Engineer Office, Custom House, under Circular Proposal 35-15, for furnishing all labor, material, fittings, equipment, tools, etc., and performing all work for repairing the U. S. Seagoing Hopper Dredge "A. Mackenzie":
General Engineering & Drydock Co., San Francisco, $55,694.35.
Bethlehem Shipbuilding Corp., Ltd., S. F., $57,592.70.
Moore Dry Dock Co., S. F., $58,666.20.
Engineer's Estimate, $45,008.88.

BIDS OPENED
GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1258, for furnishings:
(1) 2 30' steel lookout towers, complete, f. o. b. bidder's shipping point.
(1a) Same f.o.b. Porterville.
(2) 1 30' steel lookout tower, complete, f. o. b. bidder's shipping point.
(2a) Same f. o. b. Porterville.
Complete bids follow:
(a) Golden Gate Iron Works, San Francisco.
(b) Independent Iron Works, Oakland.
(c) Judson Pacific Co., San Francisco.
(d) International Derrick & Equip. Co., Torrance.
(e) Herrick Iron Works, Oakland.
(f) Schrader Iron Works, San Francisco.
(g) Dyer Bros. Golden West Iron Works, San Francisco.

	(1)	(1a)	(2)	(2a)
(a)	$1200.00	$1314.00	$525.00	$582.00
(b)	1068.00	1121.00	514.00	530.50
(c)	1360.00	1490.00	665.00	730.00
(d)	1750.00	1809.92	875.00	986.09
(e)	1330.00	1460.00	630.00	690.00
(f)	1336.00	.....	668.00	.....
(g)	1368.00	.....	650.00	.....

CONTRACT AWARDED
RICHMOND, Contra Costa Co., Cal. —Fluor Corporation, Ltd., 909 E. 59th St., Los Angeles, has been awarded a contract by the Standard Oil Co. of California, H. H. Hall, Chief Engineer, 225 Bush St., San Francisco, for construction of a solvent plant for treatment of lubricating oils at the Richmond refinery. The contract price is approximately $300,000.

BIDS WANTED
GLENN COUNTY, Cal.—Until Oct. 18, 2 P. M., bids will be received by the Board of Directors of Glenn-Colusa Irrigation District, Willows, for construction as follows:
(1) Fish screen, involving furnishing installation of a steel bar fish screen on wooden piles and steel frames in the intake in front of the pumping plant of said district, near Hamilton City, Glenn County.
(2) Fish screen cleaner, involving furnishing and installation of a movable screen cleaner in the above location.
Plans and specifications obtainable from the above office upon deposit of $5. H. R. Allard, Secretary. Frank S. Robinson, Civil Engineer, Chico, is the engineer for the District. Estimated cost $13,000.

BIDS OPENED
BERKELEY, Cal.—Following bids received by F. L. Connor, Acting Director, California Forest Experiment Station, 351 Giannini Hall, University of California, for furnishing refrigerators to burn compressed gas:
(1) 5 cu. ft. capacity (2) each f. o. b. Los Angeles.
(2) 6 cu. ft. capacity (2) each f. o. b. Los Angeles (alternate).
(3) 7 cu. ft. capacity (1) f. o. b. Los Angeles.
Thompson & Holmes, Ltd., San Francisco, (1) $158.51; (2) $168.13; (3) $186 (installation additional).
Wharton Refrigeration Co., San Francisco, (1) $198.25; (2) $210.15; (3) $243.35 (installed).
Carl S. Merriman Co., Clovis, Cal., (2) $219.60 (installed).

Plans Being Revised.
ALTERATIONS Cost, $——
SAN FRANCISCO. Divisadero and McAllister Streets.
Alterations to undertaking parlors and add one story.
Owner—Halstead-Dierks & Co., 901 Divisadero St., San Francisco.
Plans by A. J. Laib, 3335 Clay Street San Francisco.
New bids will be asked in about one week.

CONTRACT AWARDED
SAN FRANCISCO—Farnsworth Electric Works, 549 Mission Street, at $147.50 awarded contract by Constructing Quartermaster, Fort Mason, for remodeling a ½-ton hoist and for erecting and placing same on tracks in Pier Shed No. 1, Dock Area, Fort Mason. Complete bids published Oct. 2.

Bids Opened.
MAUSOLEUM & CHAPEL Cost, $——
WOODLAND, San Mateo Co., Calif. Woodlawn Cemetery.
Reinforced concrete mausoleum with marble and bronze interior and concrete and granite chapel.
Owner—Masonic Cemetery Assn.
Architect—W. G. Merchant; Maybeck & White, Associated, Russ Bldg., San Francisco.
Low Bidder—H. H. Larsen, 64 South Park, San Francisco.
Complete bids follow:
H. H. Larsen, San Francisco..$184,721
Geo. J. Maurer, Piedmont..... 184,900
Larsen & Larsen, S. F..... 192,449
Chas. Stockholm & Sons, San Francisco 192,888
Bryant & Reilly, S. F..... 198,460
Lindgren & Swinerton, S. F... 206,615
Ira W. Coburn, S. F..... 210,671
Bids held under advisement.

TO ASK BIDS
SACRAMENTO, Cal.—City of Sacramento will ask bids for the construction of a 500 watt short wave radio set to be used to send police calls. City Manager James S. Dean has estimated the cost at $7000 to $9000. Further details will be announced shortly

Contract Awarded
WALL, ETC. Cost, $3,000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos Street.
Construct retaining wall and deck slab over Los Gatos River.
Owner—Louis O. Normandin, nIc., 1225 Hanchett St., San Jose.
Engineer—Wm. D. Lotz, 35 W. San Carlos St., San Jose.
Contractor — Charles A. Thomas, 127 Clayton Ave., San Jose.

PROSPECTIVE BIDDERS
SAN FRANCISCO. — Following have procured plans for the purpose of submitting bids to the Constructing Quartermaster, Fort Mason, on October 15, 10:30 A. M., for completion of underground electrical system at Fort Mason. Bid No. W 6616-35-4.
All bidders of San Francisco unless otherwise indicated.
Globe Electric Works, 1899 Mission.
Scott-Buttner Elec. Co., 34 Harriet.
Eddy Electric Co., 309 E. Webster St., Stockton.

Severin Electric Co., 172 Clara St.
G. H. Armstrong, 1398 Van Ness Avenue, South.
Eureka Electric Radio Co., 3469 Mission Street.
General Electric Co., Russ Bldg.
Enterprise Electric Co., 1164 Mission.
H. S. Tittle Co., 85 Columbus Square.
Chas. A. Langlais, 472 Tehama St.
H. C. Reid & Co., 389 Clementina St.
Alta Electric & Mech. Co., 467 O'-Farrell Street.
Westinghouse Elec. & Mfg. Co., 1 Montgomery Street.
Wiedenthal-Gosliner Electric Works, 353 10th Street.
Tattenham Electric Co., 35 Marston Avenue.
Acme Electric Co., 1335 Polk Street.
Frank J. Klimm Co., Inc., 456 Ellis.
Strom & Smith, 1077 Valencia St.
West Coast Electric Co., 160 10th St.
Victor Lemoge, 281 Natoma Street.
Parkside Electric Co., 129 Clement.
Spencer Electric Co., 2059 Webster St., Oakland.
L. R. Moser, 63 Columbia Square.
Anaconda Wire & Cable Co., 360 Ninth Street.
Okonite Co., 1662 Russ Bldg.
B. J. Doherty Co., 1725 Church St.
A. Soda & Son, 554 42nd St., Oakland.
General Electric Supply Corp., 1201 Bryant Street.
G. M. Gest, 1218 24th St., Oakland.
W. K. Jennings, Jr., Box 453, San Rafael.
General Cable Corp., 130 Otis St.
Graybar Elec. Co., 9th and Howard.
Pennsylvania Transformer Co., 1701 Island, Ave., Pittsburg, Pa.
Edw. J. Lynch Elec. Co., 2080 Sutter Street.
C. E. Ingalls, Rialto Building.
Bennett & Taylor, 1978 South Los Angeles St., Los Angeles.
Theo. Cohn, Russ Building.
Barrett & Hilp, 918 Harrison St.
Soule Steel Co., 1750 Army Street.

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

LOS ANGELES, Cal.—P. J. Akmadzich, 3028 Gilroy St., was awarded the contract by A. J. Helm, Los Angeles City Purchasing Agent, October 1, at $38,070 (estimated total based upon daily estimate of $634.50 or monthly estimate of $12,690) for furnishing Los Angeles Bureau of Engineering with oil and mineral aggregate and asphaltic concrete wearing surface during the period commencing Oct. 1, 1934, and ending Dec. 31, 1934, under Spec. No. 3352.

CONTRACTS AWARDED

SAN FRANCISCO, Cal. — Simmons Company, 295 Bay Street awarded contract by City Purchasing Department for metal stools for the new Jail for the City and County of San Francisco at Sneath Ranch. Bid No. 1257.

BIDS OPENED

SAN FRANCISCO.—The Enterprise Foundry Corp., 2902 19th St., San Francisco, at $71,075.55 submitted low bid to T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1260, for furnishing cast steel specials.

General Metals Corp., at $73,158.87 submitted the only other bid.

BIDS OPENED

SAN FRANCISCO. — Vernon Foundry, Inc., 280 San Bruno Ave., San Francisco, at $16,875.60, submitted low bid to T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1261, for furnishing cast iron specials.

The other bids were:

Enterprise Foundry Corp.	$32,659.57
United Iron Works	33,112.50

BIDS OPENED

SAN FRANCISCO—Following bids received by the Department of Public Works, Division of Highways, Jno. H. Skegga, District Engineer, State Bldg., San Francisco, for the rental of one pneumatic tired dump truck, chassis weight not less than 2800 lbs., body capacity not less than 1½ cu. yd. hand loading, for approximately 890 hours; to be used in the vicinity of Point Reyes, Marin County.

Identical bids at $1.50 per hour submitted by the following: Louis Lambretti, Mill Valley; Daniel Gallagher, San Francisco; H. E. Von Krusze, Guerneville; H. Barbee, Felton; Fred Mullineaux, Oakland; Rock Gravel Trucking Co., San Francisoc; L. C. Smith, San Mateo, and Lloyd Budkheld, Oakland.

James T. Thornton, Fairfax, bid $1.60 per hour.

Identical bids at $1.57 per hour, submitted by the following: G. Wigginton, Oakland; John Hocking, Daly City; L. M. Clough, Oakland; M. Berteline, San Francisco, F. Erickson, Oakland; Truck Contracting Co., Oakland; Chas. Hills, Oakland; A. Texerla, Oakland; George Newton, Oakland; A. E. Garcia Jr., Irvington; A. L. Philbrick, Glenwood; Louis Green, Oakland; Triangle Trucking Co., Oakland; Oliver Gothers, Oakland; Bruno Skibe, Oakland; Eugene Della Rosa, Martinez, and Clarence Phillips, San Francisco.

CONTRACT AWARDED

LOS ANGELES, Cal.—Truscon Steel Company, 5480 E. Slauson Ave., Los Angeles, at $11,351.58 awarded contract by Los Angeles County Board of Supervisors, October 8, for furnishing steel to be used in the construction of a debris dam on Verdugo Wash, Glendale. Bids were taken as follows:

(1) 375 cwt. 1-in. round deformed;
(2) 1 cwt. ⅞-in. do;
(3) 560 cwt. ¾-in. do;
(4) 1865 cwt. ⅝-in. do;
(5) 120 cwt. ½-in. square deformed;
(6) 1065 cwt. ½-in. round deformed;
(7) 22 cwt. ⅜-in. square deformed;
(8) 24 cwt. ⅝-in. round deformed;
(9) 1 cwt. ¼-in. round plain.

Identical bids at (1) $2.7183; (2) $2.7183; (3) $2.7183; (4) $2.8183; (5) $2.9183; (6) $2.9183; (7) $3.1183; (9) $3.1183; (9) $3.7183; total, $11,351.58, were submitted by the following: Truscon Steel Co., Blue Diamond Co., Security Materials Co., Graham Bros., Hammond Lumber Co., Concrete Engineering Co., Patten-Blinn Lumber Co. J. W. Black Co., Pacific Coast Steel Co. and Soule Steel Co.

AWARD RECOMMENDED

LOS ANGELES, Cal. — Samuel M. Fisher, Flood Control Engineer, 205 S. Broadway, Los Angeles, has recommended that the bid of E. K. Wood Lumber Co. at $18,264.42 for furnishing lumber for use in constructing a timber facing on San Gabriel Dam No. 2 be accepted.

BIDS OPENED

GOVERNMENT ISLAND, Calif. — George Grifall, 1532 California Street, Mountain View, at $102 less 10 per cent 10 days, submitted low bid to the Bureau of Public Roads, Government Island, for hauling a "75" Caterpillar tractor with trailbuilder attached, from Government Island to a point 30 miles west of Willows on the Covello-Alder Springs Road. Approximate weight 31,275 lbs.

Complete bids follow:

George Grifall, Mountain View	$102
Thomas Rigging Co., Oakland	107
Epperson Drayage Co., Woodland	110
Badencourt & Warren, Hayward	145
Bigge Drayage Co., Oakland	165
J. P. Breen, Sacramento	165
Palmer Drayage & Rigging Co.	165

Contract will be awarded the low bidder.

BIDS OPENED

LOS ANGELES, Cal.—Identical bids at $1150 were submitted to the U. S. Forest Service, 751 S. Figueroa St., Los Angeles, October 4, for furnishing 2000 bags of Portland cement under Bid No. D. P. M. 528. The bidders were: Southwestern Portland Cement Co., Monolith Portland Cement Co., Blue Diamond Co., Riverside Cement Co., and California Portland Cement Co.

BIDS OPENED

SAN FRANCISCO—Identical bids at Code price less 3% were received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1278, for furnishing Fir and Redwood for the term October 15, 1934 to January 14, 1935, from the following: S. F. Lumber Co.; Beronio Lumber Co.; E. D. Swift Lumber Co.; Van Arsdale-Harris Lumber Co., Inc.; Loop Lumber Co.; Acme Lumber Co.; Roth-Maier Lumber Co.; Sudden Lumber Co; Christenson Lumber Co; Rolando Lumber Co.; Smith Lumber Co.; Allen & Dettmann Lumber Co.; Spring Valley Lumber Yard, and West Coast Lumber Co.

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO—Port Costa Brick Works, Sixth and Berry Streets, at $14 per 1,000 bricks, fob yard at Port Costa, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1150, for furnishing bricks for various departments.

BIDS OPENED

LOS ANGELES, Calif.—The Following bids received by the Los Angeles County Board of Supervisors, October 8 for furnishing 120,000 l.f. piling:

J. H. Baxter & Co., 12⅛ cents foot, total $14,500.

Chas. R. McCormick Lumber Co., 12¼ cents foot, total $14,700.

Consolidated Lumber Co., 13⅝ cents foot, total $16,186.50.

McCormick Supply Co., 12.7 cents foot, total $15,079.20.

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing gasoline under Proposal No. 557:

(1) 50,000 gals. gasoline delivered fob Corporation Yard, tank car;
(2) 10,000 gals. gasoline delivered at Orinda Filter Plant, trucks.

Complete bids follow:

Mileage Gasoline Co., Oakland, (1) $0.115 per gallon, total $5,750; (2) $.125 per gal., total $1,250. Grand total $7,000.

Signal Oil & Gas Co., Oakland, (1) $.13, $6,500; (2) $.145, $1,450. Grand total, $7,950.

Richfield Oil Co., Oakland, (1) $.13, $6,500; (2) $.145, $1,450. Grand total,

Shell Oil Co., Oakland, (1) $.14, $7,000; (2) $.165, $1,650. Grand total $8,650.00.

Standard Oil Co., Oakland, (1) $.13, $6,500; (2) $.145, $1,450. Grand total, $7,950.

Associated Oil Co., Oakland, (1) $.13 (medium); (1-alt.) $.1525; (2) $.145 (medium), (2-alt.) $.1712 (best).

Hancock Oil Co., Oakland, (1) $.125, $6,250; (2) $.135, $1,350. Grand total, $7,600.

Union Oil Co., Oakland, (1) $.13 (medium), (1-alt.) $.1525 (best); (2) $.145.

All bids held under advisement.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

WAR DEPARTMENT

SAN FRANCISCO — Until October 16, 10 A. M., bids will be received by H. N. Krenkel, Material Officer, U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco, for furnishing:
(1) 23 traps rapid vent., 60 lb. capacity, inverted bucket type, ½".
(2) 3 traps, same as above, but ¾".
(3) 46 ½" 125 lb. rough brass gate valves.
(4) 5 ¾" 125 lb. rough brass gate valves.
(5) 1 1½" 125 lb. rough brass gate valve.
(6) Miscellaneous pipe, tees, ells, unions, pipe covering, etc.
Specifications obtainable from above office.

SACRAMENTO, Cal.—Until October 18, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under order No. 6787/C.P., for the sale of miscellaneous used equipment including: Chairs, settees, office stools, storage batteries, cable, hose, tubes, fire extinguishers, gasoline pump, cooking range, boat (Launch "John" hull, without engine); pipe, rope, pontons, scrap iron, etc.
Specifications obtainable from above office.

SACRAMENTO, Cal.—Until October 15, 3 P. M., bids will be received by the U. S. Engineer Office, Cat. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6780/HMR, for furnishing and operating three dump trucks (4 cu. yd. capacity) for approximately 900 hours. The trucks are to be used for hauling earth loaded into them by a dragline and depositing it into the levee along the easterly side of the Sacramento River southerly from Colusa Weir, and about 2 miles upstream from Colusa.
Specifications obtainable from the above office.

SAN FRANCISCO.—Until Oct. 16, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-79, for furnishing:
(1) 1 set Ironers, sock, men's, adjustable heels, mounted on a metal table, 2 ironers to a set.
(2) 4 Presses, laundry, full automatic air drive, power operation for steam from central plant.
Prices to include delivery fob March Field, Riverside.
Specifications obtainable from above office. Req. No. QM 724-29-35; Memo. 4953.

SACRAMENTO, Cal.—Until Oct. 16, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. No. 6783, for furnishing and delivering miscellaneous castings.
Specifications obtainable from above office.

OAKLAND CITY

OAKLAND, Cal.—Until October 22, 4:30 P. M., bids will be received by the City of Oakland Port Commission for furnishing three-ton lift truck for the Port Commission.

U. S. FOREST SERVICE

BERKELEY, Cal.—Until October 17, 2 P. M., bids will be received by F. L. Conner, Acting Director, Forest Service Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing Parkway cable, two - conductor No. 6, 50-AWG strand, non-metallic, 600 volts, for direct burial in soil; 600 ft. f.o.b. Hall's Flat R. R. Station, and 400 ft. f.o.b. Sonora.
Specifications obtainable from above office

BERKELEY, Cal.—Until Oct. 15, 2 P. M., bids will be received by F. L. Conner, Acting Director, California Forest Experiment Station, Berkeley, for furnishing butts, locksets, flush bolts, door stops, floor hinges, push plates, hooks, indicator bolts, friction catches, elbow catches, bronze metal knobs and drawer pulls. Delivery fob Fresno.
Specifications obtainable from above office.

BERKELEY, Cal.—Until Oct. 15, 2 P. M., bids will be received by F. L. Conner, Acting Director, California Forest Experiment Station, Berkeley, for furnishing gas burning refrigerators as follows: two each fob Glendora; one fob Fresno; one fob bidder's plant.
Specifications obtainable from above office.

BERKELEY, Cal.—Until October 17, 2 P. M., bids will be received by F. L. Conner, Acting Director, Forest Service Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing two electric plants, gasoline driven, fully automatic, direct connected, D. C., 2 K.W., 115 volt, one f.o.b. Hall's Flat R. R. Station and one f.o.b. Sonora. Alternate bids will be received for the two plants f.o.b. bidder's plant.
Specifications obtainable from above office.

SANTA CLARA COUNTY

SANTA CLARA COUNTY, Cal.—Until October 29, 11 A. M., bids will be received by the Board of Supervisors of Santa Clara County, Court House, San Jose, for the sale of the following used equipment:
(1) 1 Austin gyratory crusher No. 3 mounted and powered.
(2) 1 3½-ton White truck with 1000 gal. tank and sprinkler equipped for road sprinkling.
(3) 1 winch and drag line.
(4) 1 drag line bucket.
(5) 1 20- h.p. motor and starter.
(6) 1 8 h.p. vertical cylinder gas engine on 4-wheel truck.
The above equipment may be inspected at 345 Oak St., Mountain View. Also one 60 h.p. used Best tractor which can be seen at the San Jose Tractor Co.
Specifications obtainable from above office. H. A. Pfister, County Clerk.

RECLAMATION SERVICE

BOULDER CITY, Nev.—Until Oct. 15 bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 629-D for furnishing and delivering fob cars at factory shipping point or Boulder City, crane rails and accessories for 300-ton generator room cranes, crane rails and accessories for the 50-ton machine shop crane, and crane rails and accessories for the 10-ton pipe shop crane for installation on the Boulder Power Plant, Boulder Canyon Project.
Specifications obtainable from above office without charge to prospective bona fide bidders; to others, 50c, not returnable.

NAVY DEPARTMENT

LUALUALEI, T. H.—Until Nov. 28, bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7801, for motor- and hand-operated winches for antennas at the Naval Radio Station, Lualualei, Oahu, T. H.
Plans and specifications may be obtained from the above office and from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, and from the Commandant, 14th Naval District, Pearl Harbor, T. H., upon deposit of $10. Estimated cost, $25.000.

SUMMIT, Canal Zone.—Until Nov. 28 bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., under Spec. No. 7800, for motor- and hand-operated winches for antennas at the Naval Radio Station, Summit, C. Z. Est. cost, $20,000.
Plans and specifications may be obtained from the above office and from the Commandant, 15th Naval District, Balboa, C. Z., upon deposit of $10.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies, materials, and equipment as follows:
Broadcast System — Centralized radio receiver broadcast system equipments and spares; East & West Yards. Sch. 3401; October 16.
Steel—Corrosion-resisting bar; Puget Sound & Mare Island. Sch. 3418; October 16.
Machines—2 motor-driven metal cutting saw machines; Mare Island. Sch. 3438; October 16.
Saw—1 motor-driven power hack saw; Puget Sound. Sch. 3443; October 16.
Fittings — Composition pipe; East & West Yards. Sch. 3440; October 16.
Glasses—Water gauge glasses; East & West Yards. Sch. 3425; October 16.
Oars—Ash; 144, San Diego; 65, Mare Island; 450, Puget Sound. Sch. 3452; October 19.
Blades—3250 doz. hack saw blades; Mare Island. Sch. 3444; October 19.
Cups—Oil and grease; East & West Yards. Sch. 3446; October 19.
Lathes — Motor - driven lathes and spares; East & WestYards.Sch. 3465; October 19.
Gears—Main and cruising reduction gears and spares; East & West Yards. Sch. 3448; October 23.
Specifications obtainable from the above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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26.—Railroads
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28.—Fire Equipment
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Pleygrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

GOVERNMENT ISLAND, Oakland, Cal.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $1200 awarded contract by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, for furnishing one 30-foot steel lookout tower fob Pasadena and one 30-ft. do fob Del Rosa.

BIDS REJECTED

BAKER COUNTY, Oregon—All bids received by the Oregon State Highway Commission, Portland, October 1, for the construction of a bridge over Burnt River and approaches thereto on Baker-Unity Highway near Unity, Baker County, were rejected. National Recovery Project NRS 235-A. The bids were:

Dunn & Baker, Klamath Falls	$11,877
G. I. Stebbins, Klamath Falls	12,759
R. H. Jones	13,668

CONTRACT AWARDED

LINN COUNTY, Oregon—Mountain States Constr. Co., Eugene, at $8116 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for widening of Oak Grove and Lake Creek Bridges on the Pacific Highway south of Albany, Linn County.

Complete total bids follow:

Mountain States Constr. Co., Eugene	$ 8,116
O. N. Pierce, Portland	9,490
Barham Bros., Salem	9,567
Averill & Philpott, Chinook Washington	9,570
C. J. Montag, Portland	9,704
The Construction Co.	9,858
G. I. Stebbins, Klamath Falls	11,244
Shattuck & Neland, Portland	10,955

AWARD

TILLAMOOK COUNTY, Oregon—Tom Lilleho, Reedsport, Oregon, at $18,701 awarded contract by the Bureau of Public Roads, Portland, for constructing the McMinnville - Tillamook Highway Reconstruction (3 bridges and reconstructing the Alder Creek Bridge) Project FHES-1-A2, National Forest Road Project, Siuslaw National Forest, Tillamook Co., Oregon.

ALLOTMENTS CHANGED

SACRAMENTO COUNTY, Cal.—Federal Public Works Administration has reduced a grant of $24,700 allotted to Sacramento County for construction of two highway trestles as a part of the north approach to Benson Ferry Bridge to $17,000 and authorized the county to use the money for finishing an uncompleted portion of the Benson Ferry bridge approach.

A grant of $4500 allotted to Sacramento County for trestle on the Lower Marysville Road and grant of $4500 allotted for repairing trestle at Fair Oaks have been rescinded at the request of the county.

The work has been done with funds from other sources.

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—L. F. Piazza, 296 N. 6th St., San Jose, at $3400 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the construction of two reinforced concrete culverts on the Louis Road in Supervisor District No. 5; one across Clark Ditch and the other across Matadore Creek. Complete bids follow:

L. F. Piazza, San Jose	$3400.00
John Carcano, San Rafael	3527.00
Collins & Martin, San Jose	3571.00
A. Soda & Son, Oakland	3611.30
Sam Sciarrino, San Jose	3619.85
O. G. Ritchie, San Jose	3655.00
C. Cacitti, Los Gatos	4202.00
G. M. Gest, Oakland	4298.00

CONTRACT AWARDED

SANTA CLARA COUNTY, Calif.—John Carcano, 122 Clarinda Avenue, San Rafael, at $1615 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the construction of a reinforced concrete culvert on Summerhill Avenue in Supervisor District 5.

Complete bids follow:

John Carcano, San Rafael	$1615.00
Collins & Martin, San Jose	1865.00
C. Cacitti, Los Gatos	1886.00
O. G. Ritchie, San Jose	1890.00
A. Soda & Sons, Oakland	1890.00
Sam Sciarrino, San Jose	1922.75

BIDS WANTED

VENTURA CO., Cal.—Until Nov. 2, 10 A. M., bids will be received by the Ventura County Board of Supervisors for constructing two creosoted timber bridges with steel girders carried on creosoted pile bents and earth fill approaches and all incidental work on Santa Ana Creek, under cash contract.

The work involves:

(1) 14 c.y. earthwork embankment;
(2) 1,948 l.f. creosoted piles;
(3) 18,300 ft. BM lumber;
(4) 75,900 lbs. structural steel;
(5) 3,800 lbs. rods, galvanized;
(6) 1,750 lbs. bolts and washers;
(7) 800 lbs. dowels and reinf. steel;
(8) 80 l.f. gutter drains, 8-in. pipe;
(9) 24 c.y. concrete;
(10) 36,400 sq. ft. road surfacing;
(11) 2,600 sq. ft. bridge surfacing.

Plans and specifications obtainable from County Surveyor Chas. W. Petit, L. E. Hallowell, county clerk.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

VENTURA CO., Calif.—Until Nov. 2, 10 A. M., bids will be received by the Ventura County Board of Supervisors for constructing Elisee Creek bridge in Wheeler Canyon, a creosoted timber structure, 30-ft. long, 24-ft. wide, under cash contract, involving:

(1) 350 c.y. road embankment;
(2) 3 c.y. concrete footings;
(3) 700 l.f. creosoted piles;
(4) 16,500 ft. BM timber;
(5) 720 sq. ft. bridge surfacing;
(6) 1,500 sq. ft. road surfacing.

Plans may be obtained from County Surveyor Chas. W. Petit, L. E. Hallowell, Clerk.

PLANS APPROVED

SUTTER COUNTY, Cal.—Plans and specifications for the new Pleasant Grove Creek Bridge estimated to cost $5000 have been approved by the Sutter County Board of Supervisors.

Oscar Lanzendorf, County Engineer.

BIDS WANTED

SACRAMENTO COUNTY, Cal.—Until October 31, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of two bridges near Walnut Grove one across Georgiana Slough ad the other across North Fork Mokelumne River, Sacramento County.

NOTE: No certificate of compliance will be required on this project.

The work involves:

(1) 1 lot existing fence construction to be removed and disposed of;
(2) 7,500 l.f. furnish creosoted Douglas fir piles;
(3) 150 each driving do;
(4) 14 MFBM creosoted Douglas fir timber;
(5) 18 MFBM untreated do;
(6) 16.5 MFBM redwod timber dense select all-heart struc. grade;
(7) 7,200 lbs. hardware;
(8) 1 lot fender lighting work;
(9) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the District Engineer's offices in San Francisco, Los Angeles and the district in which the work is situated.

BIDS WANTED

KERN COUNTY, Cal. — Until Oct. 31, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of an underground crossing under the tracks of the Atchison Topeka and Santa Fe Railway, consisting of two concrete abutments with wing walls and a steel plate girder span, and approximately 0.26 mi. of roadway to be grader and paved with Portland cement pavement in the City of Bakersfield, Union Ave., Kern County. The work involves:

(1) 15,000 cu. yds. roadway excav.;
(2) 1900 cu. yds. structure excav.;
(3) 1600 cu. yds. old concrete pavement and structures to be removed;
(4) 5250 sq. yds. preparing surface and mixing and shaping oiled material;
(5) 7500 sq. yds. subgrade for pavament;
(6) 65 tons fuel oil;
(7) 110 cu. yds. Class A Portland cement concrete (structures);
(8) 1440 cu. yds. do (pavement);
(9) 290 cu. yds. do (slope paving);
(10) 250 cu. yds. do (curb and gutters)
(11) 89 cu. yds. (sidewalks);
(12) 630 cu. yds. Class A Portland cement concrete;

(13) 330 cu. yds. rock filling material
(14) 89,000 lbs. bar reinforcing steel;
(15) 200,000 lbs. structural steel;
(16) 6080 lbs. cast steel;
(17) 490 lin. ft. 8-in. plain concrete pipe;
(18) 1239 lin. ft. 10-in. plain concrete pipe;
(19) 64 lin. ft. 12-in. plain concrete pipe;
(20) 1450 lin. ft. 8-in. perforated metal pipe underdrains;
(21) 104 lin. ft. 10-in. C.M.P.;
(22) 10 lin. ft. 18-in. C.MP;
(23) 500 lin ft. 12-in. cast iron discharge pipe;
(24) 1 lot waterproofing;
(25) 1 lot pumping equipment;
(26) 1 lot miscellaneous items of work

Plans and specifications obtainable from above office; and on file at the District Engineer's offices in San Francisco, Los Angeles, and the district in which the work is situated.

CONTRACT AWARDED

STANISLAUS COUNTY, Cal.—Nelson & Wallace, Escalon, at $5142 submitted low bid and awarded contract by the Stanislaus County Board of Supervisors, C. C. Eastin, Clerk, Modesto, for the construction of two reinforced concrete bridges; one over the Turlock Irrigation District's Ceres Main Canal, about 1¼ miles east of the A. T. and S. F. Railroad, on the road known as Seventh St., extended from the Town of Hughson; and one over Del Puerto Creek on Vineyard Ave., in Patterson Colony. Complete bids follow:

Nelson & Wallace, Escalon	$5142.00
Valley Constr. Co., Modesto	5170.00
Frank Bryant, S. F.	5223.00
Clyde C. Wood, Stockton	5258.50
A. Soda & Son, Oakland	5393.00
B. Rocca & Co., San Rafael	5910.39
Engineer's Estimate	5050.00

PLANS COMPLETED

LOS ANGELES, Cal.—R. W. Stewart, Los Angeles City Bridge Engineer, has completed plans for Macy Street Subway, to be built between Avila St. and Date Street, 5046 ft. in length between portals, 68 feet wide, 17 feet high, involving:
(1) 9,200 c.y. Class F concrete;
(2) 2,550,000 lbs. reinforcing steel;
(3) 100 tons structural steel hinges;
(4) 34 soft subway lights;
(5) 4 ornamental bracket lights;
(6) 7,000 sq. ft. tile lining.

Quantities for appurtenant street work are not included. Plans to be made by the engineering department.

CONTRACT AWARDED

RICHVALE, Butte Co., Cal.—Carl R. Fiedler, 2631 30th St., Sacramento, at $4490 submitted low bid and awarded contract by the Richvale Irrigation District, Alvin Harry, Secretary, Richvale, for the construction and repair of a reinforced concrete siphon under the Cherokee Channel. Complete bids follow:

Carl R. Fiedler, Sacto.	$4490
F. H. Nielson, Orland	6490
O'Connor Bros., Red Bluff	6915
O. G. Ritchie, San Jose	6990

CONTRACT AWARDED

SHASTA COUNTY, Cal. — F. H. Nielson, 96 8th St., Orland, at $4065.30 submitted low bid and awarded contract by the Shasta County Board of Supervisors, October 2, for the construction of a bridge across Rock Creek on the Iron Mountain Highway. The other bids were:

A. Soda & Son, Oakland	$5282.00
J. P. Brennan, Redding	5825.00
O'Connor Bros., Red Bluff	6030.00
Rolla Arbuckle, Anderson	6394.50
Engineer's Estimate	4500.00

C. R. Wiegel, County Surveyor.

PROSPECTIVE BIDDERS

GRAND COULEE DAM, Washington. — Following are additional planholders on the construction of the Columbia River Highway bridge at Grand Coulee Dam, Columbia Basin Project, about 22 miles northwest of Almira, for which bids will be opened October 18, 10 A. M., by the Bureau of Reclamation, Almira, under Spec. No. 593, as previously reported:

Puget Sound Bridge & Dredging Co. 2929 16th SW., Seattle.

Hansell Elcock Co., 3153 S. California St., Chicago.

Siems-Helmers, Inc., St. Paul, Minn.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

SAN DIEGO, Cal.—Until October 18, 2 P. M., bids will be received by the San Diego Harbor Commission, 1040 W. Broadway, San Diego, for dredging a yacht basin at the foot of Talbot St. and a connecting channel leading to a point near Beacon No. 5 in the Bay of San Diego, and depositing of the dredged material on designated areas.

Plans and specifications obtainable from the Purchasing Agent, 524 "F" St., San Diego, under deposit of $15, of which $10 will be returned. Certified check 5%. H. J. Schafer, Assistant Purchasing Agent.

BIDS WANTED

SAN FRANCISCO.—Until Oct. 17, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, Felton Taylor, Secretary, for excavation and embankment for the University Mound Reservoir, under Spec. W. D. 64.

The work involves:
(1) lump sum, moving caretaker's residence;
(2) 250,000 c.y. excavation and disposal of surplus material;
(3) 170,000 c.y. construction of embankment;
(4) 2,500 hours, providing and operating rolling equipment;
(5) 500 c.y. structure excavation;
(6) 75 c.y. concrete work;
(7) 1,500 l.f. 6-in. tile drain.

N. A. Eckart, chief engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $20.00.

BIDS WANTED

SACRAMENTO, Cal.—Until October 15, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6752, for furnishing, delivering and carefully placing approximately 7800 tons of Class A or Class B rip-rap stone, in sizes 20 to 300 lbs., along the banks of the Sacramento River, in the vicinity of Chicery and Oak Hall Bends, or approximately from 3.5 to 5.5 miles below "M" Street Bridge, Sacramento.

Plans and specifications obtainable from above office.

BIDS WANTED

SAN PEDRO, Cal.—Until October 17, 11 A. M., bids will be received by the Public Works Department, Headquarters, 11th Naval District, Foot of Broadway, San Diego, under Spec. No. 7818, for repair to Mooring A1 at Los Angeles Harbor, San Pedro.

The work includes the repairs to one existing ship's mooring, consisting of a steel buoy to which is connected eight lines of 2¾" chain, each line of which is about 270 ft. long and terminating at the outboard end with a 16,000 lb. anchor.

Plans and specifications obtainable from the Public Works Officer, above office, upon deposit of $10. Lieut-Comdr. G. D. Westel, Assistant Public Works Officer.

BIDS OPENED

COWLITZ RIVER, Washington—Columbia Contract Co., 44 S. E.Salmon St., Portland, at $2340 submitted low bid to the U. S. Engineer Office, Customhouse, Portland, under Bid No. 35-174, October 2, for the removal and disposal of 600 snags and/or sinkers in the Cowlitz River, Washington, between triangulation survey station "Tongue," at the river mouth, and the Longview, Portland & Northern R. R. bridge, about 1.6 miles above the mouth. Complete bids follow:

Columbia Contract Co., Portland,	$2340.
Brookfield Co., Astoria,	$2700.
Portland Dredging Co., Portland,	$2370.
S. S. Montague, Portland,	$4350.
Portland Tug & Barge Co., Portland.	$4950.
Engineer's Estimate,	$4608.

BIDS WANTED

SAN DIEGO, Cal.—Until October 18, 2 P. M., bids will be received by the San Diego Harbor Commission, 1040 W. Broadway, San Diego, for dredging the area adjacent to the U. S. Bulkhead Line from the Benson Lumber Company's pier to approximately 200 ft. beyond the Richfield Oil Company's pier in the Bay of San Diego, and depositing the dredged materials in solid fill upon designated adjacent areas.

Plans and specifications obtainable from the Purchasing Agent, 524 "F" St., San Diego, upon deposit of $15, of which $10 will be returned. H. J. Shafer. Assistant Purchasing Agent. Certified check, 5%.

MARYSVILLE, Yuba Co., Calif.—Harms Bros., 5220 21st Ave., Sacramento, at $0.145 per c.y., total $16,240 submitted low bid to the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, for raising and strengthening of existing levees along the Feather and Yuba rivers, near Marysville. About 34,000 c.y. earth embankment are required on the Yuba river and 78,000 c.y. on the Feather river.

Complete bids follow:

Harms Bros., Sacramento,	$0.145; $16,240.
Hemstreet & Bell, Marysville,	$0.1775; $19,880.
Delta Dredging Co., Pittsburg,	$0.206 $23,072.
R. R. Carlson, Vallejo,	$0.21; $23,520.00.
D. M. McDonald, Sacramento,	$0.254; $28,448.
Peninsula Paving Co., San Francisco,	$0.295; $33,040.
Engineer's estimate,	$23,671.

Bids held under advisement.

ENGINEER APPOINTED

SACRAMENTO, Cal. — George F. Nicholson, Los Angeles, has been retained by the City of Sacramento as consulting engineer for the municipal harbor development project.

23— IRRIGATION PROJ.

CONTEMPLATED

GLENN AND COLUSA COS., Cal.—The Glenn-Colusa Irrigation District, Willows, will call for bids shortly for the construction of a fish screen structure near the district's headgates at Hamilton City, estimated to cost $15,000. Frank S. Robinson, civil engineer, Chico, engineer for the district.

APPLICATIONS FILED

SACRAMENTO, Calif.—Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during the month of September, 1934:

8089 (Sierra County) Mrs. Cora E. Thayer, Forest, for 3 cu. ft. per second from springs tributary to Kanaka Creek. To be diverted for mining and domestic purposes.

8090 (Riverside County) Idyllwild Mountain Park Co., 729 Rives-Strong Bldg., Los Angeles, for 0.04 cu. ft. per second from an unnamed spring tributary to Strawberry Creek. To be diverted for domestic and recreational purposes. Est. cost, $1200.

8091 (Riverside County) Idyllwild Mountain Park Co., 729 Rives-Strong Bldg., Los Angeles, for 0.06 cu. ft. per second from a spring tributary to Stone Creek. To be diverted for domestic and recreational purposes. Est. cost, $2,000.

8092 (Riverside County) Idyllwild Mountain Park Co., 729 Rives-Strong Bldg., Los Angeles, for 0.06 cu. ft. per second from Marion Creek, tributary to Strawberry Creek. To be diverted for domestic and recreational purposes. Est. cost, $500.

8093 (Riverside County) Idyllwild Mountain Park Co., 729 Rives-Strong Bldg., Los Angeles, for 0.04 cu. ft. per second from a spring tributary to Strawberry Creek. To be diverted for domestic and recreational purposes. Est. cost, $800.

8094 (Monterey Co.) Hans Ewoldsen, Big Sur, for 0.05 cu. ft. per second from a spring tributary to Sur River. To be diverted for irrigation and domestic purposes on 10 acres. Est. cost $400.00.

8095 (Sierra County) Mrs. Edith McKenzie, care Earl S. Bradbury, Forest, for 0.25 cu. ft. per second from Baker spring, tributary to Brush creek, and Middle Fork Yuba River. To be diverted for mining and domestic purposes. Est. cost, $200.00.

8096 (Trinity County) Wm. H. Labaree, 1708 Broadway, Oakland, for 75 cu. ft. pr second from Rush and East Weaver creeks, tributary to Trinity river. To be diverted for domestic and mining purposes. Est. cost, $20,000.

8097 (Orange Co.) L. F. Moulton & Co., care Rutan & Mize, Attys., Santa Ana, for 2500 ac. ft. per annum from Aliso Creek tributary to Pacific ocean. To be diverted for irrigation and domestic purposes. Est. cost, $100,000.

8098 (Santa Clara Co.) Santa Clara Valley Water Conservation District, San Jose, for 3500 ac. ft. per annum from Calero creek tributary to Alamitos and Guadalupe creeks. To be diverted for irrigation and domestic purposes on 133,000 acres. Est cost, $351,000.

8099 (Santa Clara Co.) Santa Clara Valley Water Conservation District, San Jose, for 6,000 ac. ft. per annum from Almaden creek tributary to Alamitos and Guadalupe creeks. To be diverted for irrigation and domestic purposes on 133,000 acres. Est cost, $126,000.

8100 (Nevada Co.) J. A. Mackenzie, care C. F. Metteer, Atty., Sacramento, for 142.50 cu. ft. per second from the Middle Fork of Yuba river, tributary to Yuba river. To be diverted for mining purposes. Est. cost, $800,000.

8101 (El Dorado Co.) E. Y. Thomas, Camino, for 1 cu. ft. per second from Long Canyon and South Fork Long Canyon tributary to South Fork American river. To be diverted for power purposes. Est. cost, $500.

8102 (Trinity Co.) A. C. McMillan, trustee, care John C. Fales, Weaverville, for 275 cu. ft. per second from Stewart fork, Stoney creek and Mule creek, tributary to Trinity river. To be diverted for mining purposes.

8103 (Nevada Co.) Maben Hill Mine & Milling Co., care G. Y. Peters, 855 Santa Rey Ave., Oakland, for 0.15 cu. ft. per second from Wolf Creek tributary to Bear river. To be diverted for mining purposes.

8104 (Siskiyou Co.) C. R. Wiegel, Redding, for 0.025 cu. ft. per second from a spring in Six Bit gulch tributary to Hungry creek. To be diverted for mining purposes. Est. cost, $700.

8105 (Trinity Co.) Dorothy Hoffman, 1500 Sutter St., San Francisco, for 0.82 cu. ft. per second from Rowdy and Relletreau creeks tributary to Trinity river. To be diverted for irrigation and domestic purposes. Est. cost, $350.

8106 (El Dorado Co.) H. C. Farber, et al, 260 A Crescent Road, San Anselmo, for 1,000 gals. per day from Rocky canyon tributary to South Fork American river. To be diverted for domestic purposes. Est. cost, $250.

8107 (San Diego Co.) J. C. Critchett, Julian, for 0.05 cu. ft. per second from Chariot creek tributary to Banner or San Felipe creek. To be diverted for mining and domestic purposes.

8108 (Del Norte Co.) W. D. Hill, 1428 S. Bronson St., Los Angeles, for 50 cu. ft. per second from Granite gulch tributary to Hurdy Gurdy creek thence Smith river. To be diverted for mining purposes.

8109 (Sierra Co.) Scales Placer Mining Co., care G. F. Taylor, Downieville, for 60 cu. ft. per second from various sources tributary to Slate creek. To be diverted for mining purposes.

8110 (Siskiyou Co.) Dunphy Pepper, Clear Creek, for 2 cu. ft. per second from Pepper Creek tributary to Klamath river. To be diverted for mining and domestic purposes.

8111 (El Dorado Co.) C. T. Oeste, Youngs, for 2 cu. ft. per second from Middle Fork Cosumnes river tributary to Mokelumne river. To be diverted for power purposes, 3-hp. to be developed. Est. cost, $300.

8112 (Mono Co.) A. D. Snyder, Huntington Park, for 400 gals. per day from Rock creek, tributary to Owens river. To be diverted for domestic purposes. Est. cost, $300.

8113 (El Dorado Co.) H. J. Garlbaldi, Amador City, for 25 cu. ft. per second from Sopiago or Clear creek tributary to Middle Fork Cosumnes river. To be diverted for mining and domestic purposes.

8114 (Santa Barbara Co.) U. S. Santa Barbara National Forest, Santa Barbara, for 0.025 cu. ft. per second form unnamed springs tributary to Corrales Canyon creek. To be diverted for stock watering purposes. Est. cost, $50.

8115 (Amador Co.) Raymond Silva, Sacramento, for 270,000 ac. ft. per annum from Cosumnes river tributary to Mokelumne river. To be diverted for power purposes, 13360-hp. to be developed. Est. cost, $5,700,000.

8116 (Amador Co.) Raymond Silva, Sacramento, for 270,000 ac. ft. per annum from Cosumnes river tributary to Moklumne river. To be diverted for municipal purposes in Sacramento Municipal Utility District.

PERMITS ISSUED

SACRAMENTO, Cal. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of September, 1934:

4390, Application 8015 (Placer County) issued to Ralph B. Aitken, Rocklin, Calif., September 4, 1934, for 0.87 cubic feet per second from Antelope Creek for irrigation of 69 acres. Estimated cost, $500.

4391, App. 8025 (Shasta County) issued to Rodes E. Yager, Shasta, Calif. September 5, 1934, for 0.5 cubic foot per second from Little Dog Creek, for mining and domestic purposes.

4392, App. 7913 (Santa Clara County) issued to R. Balanesi, Morgan Hill, Calif., September 5, 1934, for 1.33 cubic feet per second from Uvas Creek for domestic purposes and irrigation of 12 acres.

4393, App. 7998 (San Diego County) issued to Billie Eichenlaub and Harry A. Boegeman, San Diego, Calif., September 6, 1934, for 0.1 cubic foot per second from 3 springs for domestic purposes and irrigation of 8 acres. Estimated cost $300.

4394, App. 7814 (Inyo County) issued to Enda Fitzgibbons, Long Beach, Calif., September 11, 1934, for 0.075 cubic foot per second from Pleasant Canyon for mining and domestic purposes. Estimated Cost $100.

4395, App. 7987 (Sutter County) issued to Sacramento and San Joaquin Drainage District, Sacramento, Calif., September 11, 1934, for 0.5 cubic foot second from Wadsworth Canal for use for irrigation of 17 acres.

4396, App. 7988 (Sutter County) issued to Sacramento and San Joaquin Drainage District, Sacramento, Calif., September 11, 1934, for 37.5 cubic feet per second from Wadsworth Canal and East and West Borrow Pits of Sutter By-Pass for irrigation of 1500 acres.

4397, App. 7981 (Sutter County) issued to Sacramento and San Joaquin Drainage District, Sacramento, Calif., September 11, 1934, for 27.0 cubic feet per second from East and West Borrow Pits of Sutter By-Pass for irrigation of 1090 acres.

4398, App. 7570 (Ventura County) issued to Dalbert M. Greenleaf, Frazier Park, Calif., September 11, 1934, for 0.205 cubic foot per second from Bitter and Greenleaf Creeks for domestic purposes and irrigation of 5.5 acres. Estimated cost, $350.

4399, App. 8014 (Siskiyou County) issued to Clyde G. Smith, Clerk Creek Calif., September 11, 1934, for 10.0 cubic feet per second from Swillup Creek for mining purposes. Estimated cost, $10,000.

4400, App. 8013 (Santa Clara County) issued to John Marchetti, Morgan Hill, Calif., Septemberr 12, 1934, for 0.65 cubic foot per second from Uvas Creek for irrigation of 41 acres. Estimated cost $750.

4401, App. 8037 (Placer County) issued to Kenneth Cooper, Roseville, Calif., September 12, 1934, for 0.62 cubic foot per second from Antelope Creek for irrigation of 54 acres.

4402, App. 7677 (Kern County), issued to R. P. Stine, Caliente, Calif., September 13, 1934, for 0.022 cubic foot per second from an unnamed stream for domestic purposes. Estimated cost, $50.

4403, App. 8032 (Plumas County), issued to John M. Maynard, Strawberry Valley, Calif., September 14, 1934, for 3.0 cubic feet per second from Onion Creek for mining purposes. Estimated cost $4,000.

4404, App. 7885 (Plumas County) issued to Walter I. Nelson and J. W. McKay, Crescent Mills and Quincy, Calif., September 20, 1934, for 0.75 cubic foot per second from Deadwood Creek for power purposes. Estimated cost $200.

4405, App. 7927 (Plumas County) issued to Walter I. Nelson and J. W. McKay, Crescent Mills and Quincy, Calif., September 20, 1934, for 0.115 cubic foot per second from Deadwood Creek for mining and domestic purposes. Estimated cost $100.

4406, App. 7968 (Plumas County) issued to Schist Lode Mine, Suisun, Calif. September 20, 1934, for 0.25 cubic foot per second from unnamed stream and two springs for mining and domestic purposes. Estimated cost $250.

4407, App. 7921 (El Dorado County) issued to Charles Sumner Mering, Sacramento, Calif., September 21, 1934 for 650 gallons per day from South Fork American River for domestic purposes.

4408, App. 8008 (Kern County) issued to Frank C. Jewett, Bakersfield, Calif., September 21, 1934, for 0.025 cubic foot per second from unnamed springs for mining and domestic purposes. Estimated cost $3500.

4409, App. 7984 (Humboldt County) issued to Irigold Corporation, Salyer, Calif., September 24, 1934, for 60.0 cubic feet per second from Mahela Creek for mining purposes. Estimated cost $5000.

4410, App. 8051 (Plumas County) issued to U. S. Plumas National Forest, Quincy, Calif., September 25, 1934, for 30,000 gallons per day from a spring for domestic purposes.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN BERNARDINO, Calif.

Following bids received by the State Bureau of Purchases, Sacramento, October 3, for furnishing a tractor f. o. b. San Bernardino, under Req. No. 1563½.

J. D. Adams Co., $1880.50 less 10% 30 days.
Bron Bevis Co., $1855; no discount.
Crook Co., $1855; less 2% thirty days.
Bids held under advisement. 5

CONTRACT AWARDED

SAN FRANCISCO. — Western Iron Works, 141 Beale St., at $1,796 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1268, for furnishing shaft covers for Hetch Hetchy Project.

October 10, 1934

CONTRACT AWARDED

OAKLAND, Cal.—United Iron Wks, 580 2nd St., Oakland, at $1,346 awarded contract by the East Bay Municipal Utility District, Oakland, under Spec. No. LS 130, for furnishing and installing two centrifugal pumps and motors at the Orinda Filter plant.

BIDS WANTED

MODESTO, Stanislaus Co., Calif.—Until Oct. 16, 10 A. M., as previously reported, bids will be received by the Modesto Irrigation District, C. S. Abbott, Secretary of the Board of Directors, 823 11th St., Modesto, for constructing a rock cut, repair of old lining by gunite, construction of concrete lining and construction of reinforced concrete structure in the Main Canal of the Modesto Irrigation Dist. Estimated cost, $110,000.

The work involves:
(1) 12,000 c.y. rock cut;
(2) 170 c.y. reinforced concrete;
(3) 251,700 sq. ft. 1½-in. gunite;
(4) 237,060 sq. ft. 2-in. gunite;
(5) 201,535 sq. ft. 2½-in. conc. lining;
(6) 155,000 sq. ft. 3-in. do;
(7) 130 ft. 12-in. dia. plain concrete pipe (short lengths).

Plans and specifications obtainable from the above office. N. M. Cecil, irrigation engineer. 3

BIDS OPENED

LOS ANGELES, Calif.—The following bids received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, October 8, for furnishing internal combustion engines and accessories to drive turbine pumps for San Xavier Indian Reservation, Ariz.

Fairbanks, Morse & Co., (1) 2 engines, $3923.35, fob Beloit; spare parts, $186.03; $4,143.75 fob Tucson; $609.17 for installation; $558 fob well site. (2) one 25-hp. engine, $2340.90 fob Beloit, $205.04 for spare parts; $2472.17 fob Tucson, $491.26 installation, $496 fob well site. (3) one 30-hp. engine, same as one above, B T U's (1) $9875, (2) $9513, (3) $9443. Terms net.

Enterprise Engine Corp., (1) $3500 fob San Francisco, installation, $200, $3789.80 fob Tucson. (2) $1750, $156 for installation, $1894.90 fob Tucson. (3) same as above, B T U's (1) $9003, (2) $8550, (3) $8360. Terms, 2% 10 days.

BIDS OPENED

SACRAMENTO, Cal.—Lord & Bishop Native Sons Bldg., Sacramento, at $4.-50 per hour, total $1840 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Sacramento, under Order No. 6771, for furnishing and operating one dragline near Colusa, for approximately 400 hours.

Complete bids follow:

Lord & Bishop, Sacramento, (per hour) $4.60; (total) $1840.00.

Olympian Dredging Co., San Francisco, $5.00; $2000.00.

Delta Dredging Co., Pittsburg, $6.70; $2680.00.

J. R. Reeves, Sacramento, $7.00; $2,-800.00.

Hemstreet & Bell, Marysville, $7.00; $2800.00.

Wieland Equipment Co., Berkeley, $7.40; $2960.00.

All bids held under advisement.

BIDS OPENED

MODESTO, Cal.—Following bids received by the Modesto Irrigation District, C. S. Abbott, Secretary, Modesto, for furnishing and delivering feeder voltage regulators to the Electric Department of the District under Spec. No. E-21.

Westinghouse Electric Co., $3430 each.

Allis-Chalmers, $6650 for two.

General Electric Co., $6860 for two.

BIDS OPENED

MODESTO, Cal.—Gardner Electric Mfg. Co., 4227 Hollis St., Emeryville, at $3525 submitted low bid to the Modesto Irrigation District, C. S. Abbott, Secretary, Modesto, for furnishing and delivering high voltage transformers to the Electric Department of the Distroict under Spec. No. E-20.

Complete bids follow:

Gardner Electric Mfg. Co.	$3525
Pennsylvania Transatlantic	3554
Maloney Electric Co.	3855
Wagner Electric Co.	3981
Uptgraph Mfg. Co.	3999
Allis-Chalmers Co.	4020
Westinghouse Electric Co.	4143
General Electric Co.	4143

26— RAILROADS

PERMIT GRANTED

SAN FRANCISCO—The Board of Supervisors has granted permission to the San Francisco Materials Co. to construct a standard gauge spur track across Treat Avenue, northerly from 23rd Street.

PLANS REVISED

SAN JOSE, Cal.—Southern Pacific Co., W. H. Kirkbride, Chief Engineer, has submitted revised plans to the City of San Jose and State Railroad Commission for relocation of tracks on Fourth St. in San Jose, including construction of four grade separation structures. When revised program is approved, company will proceed immediately with construction. Work includes subways at Bird Ave., Prevost St., Delmas Ave., and Willow St. crossings and station building at San Fernando St.

LOAN APPROVED

VIRGINIA CITY, Nevada — The Reconstruction Finance Corparation has approved a loan of $160,000 to Sutro Tunnel Coalition, Inc., to be used in relocation of tracks of the Virginia & Truckee Railroad and construction of a mill of 100 tons capacity. Tracks of the railroad are to be moved in order to make accessible an ore body lying beneath the right-of-way.

James Leonard, Virginia City, is General Manager.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

LOS ANGELES, Calif.—Case Const. Co., 905 Westminister Ave., Alhambra, at $169,627.50 awarded contract by the Los Angeles County Board of Supervisors for constructing a timber facing on San Gabriel Dam No. 2.

POWER SHOVELS PURCHASED

GRAND COULEE, Wash.—The Mason-Walsh-Atkinson-Kier Co. have awarded a contract to the Clyde Equipment Co., 3410 First St., Seattle, for furnishing two Bucyrus Erie 120-B electric 4-yard combination shovels and draglines. Estimated amount of contract, $122,000. 30

SUB-CONTRACTS AWARDED

GRAND COULEE, Wash.—The Mason-Walsh-Atkinson-Kier Co., general contractors on the Grand Coulee Dam, have made the following awards on sub-contracts:

(1) White Pine Sash Co., 34005 Broadway, Seattle, Henry G. Klopp, President, awarded contract for 3,000,-000 ft. of lumber in ready-to-erect shapes and cuts for the Mason City Dwellings and camp at dam. Estimated amount of contract, $200,000.

(2) Wasnington Brick, Lime & Sewer Pipe Co., S 151 Washington, Seattle, awarded contract for sewer pipe for Mason City. President A. B. Fosseen was instructed to start immediate delivery of the more than 15 carloads ordered.

(3) H. H. Walker, Inc., and Fritz Ziebarth, 1323 Venice Blvd., Los Angeles, awarded contract for 31-mile power line from Coulee to dam. Line will be built on "H" plan of 2 poles and cross member, with the insulators hanging. It will be a single transmission line of the 3-phase type.

Silas Mason, chairman of the Mason-Walsh-Atkinson-Kier Co., reports that the firm will erect a 2-story administration building costing about $50,000 at their camp. This structure and other buildings of the camp including warehouses, garages, stores and other service buildings will be built by the firm. It is estimated that the camp will cost about $750,000 without the construction equipment.

J. B. Canning has been appointed purchasing agent for the firm. His office will be located in the Peyton Bldg., Spokane.

Sam Mason, president of the Silas Mason Company in charge of the Fort Peck contract held by the firm, will spendhis time between the Grand Coulee dam and the Fort Peck project.

AWARD APPROVED

SANTA CLARA CO., Cal.—Award of a contract to Carl N. Swenson, 355 Stockton Ave., San Jose, low bidder at $100,943.10 for construction of the Vasona Dam and Vasona Canal has been approved by the Federal Public Works Administration, Clifton E. Hickok, Northern California Engineer. Formal award of the contract will be made shortly by directors of the Santa Clara Valley Water Conservation District.

ALLOTMENT RESCINDED

PHOENIX, Ariz.—The $4,000,000 allotment to the Bureau of Reclamation for the construction of a dam on the Verde River, north of Phoenix, was rescinded October 4 by the Public

Works Administration. The department reports that investigations have disclosed that the power and irrigation projects would be unable to repay the cost of the project. The cost of the work has been estimated at $10,000,000, according to a report by the engineering board.

CONTRACTS AWARDED

GRAND COULEE, Wash.—Contracts for equipment, power line, and water pipe and tanks have been awarded by contractors on the Grand Coulee Dam as follows:

Locomotive Crane to the Browning Crane & Shovel Co., Cleveland, by the Mason-Walsh-Atkinson-Kier Co.

Belt Conveyor System to Jeffry Mfg. Co., Columbus, Ohio, by the Mason-Walsh-Atkinson-Kier Co. at approximately $300,000. The system will carry material an average distance of about 1 mile.

Poles for Power Line to B. J. Carney & Co., Peyton Bldg., Spokane, by H. H. Walker, Inc., and Fritz Zeibarth, sub-contractor on 32 mile power line for Mason - Walsh - Atkinson-Kier Co. project. The award is for approximately 6,000 poles.

Power Shovels to Howard - Cooper Corp., Portland, by the Mason-Walsh-Atkinson-Kier Co. for two Marion 3-yard and two Marion 4-yard electric power shovels. Delivery within six weeks.

Water Pipe and Water Tanks to National Tank & Pipe Co., Portland, by the Mason - Walsh - Atkinson-Kier Co., for about 20,000 ft. of pipe varying from 6- to 12-in. in diameter; two 100,000-gal. wood tanks, and one 150,000-gallon wood tank. Approximate cost, $20,000.

SUB-CONTRACTORS ANNOUNCED

GRAND COULEE, Wash.—Sub-contractors working on various Grand Coulee contracts are announced as follows:

(1) Crick and Kuney contract: Goodfellow Bros. & Rowland Const. Co. for excavation. Swarty & Ragan for concrete work. The Crick & Kuney contract involves grading and structures for highway.

(2) David H. Ryan contract: Pegan & Mathis for culverts; G. C. Gorsuch for fencing. The Ryan contract involves construction of railroad and was awarded on low bid of $235,570.

(3) National Const. Co. contract: Herber & Sheldon, Rust Bldg., Tacoma, for plumbing; Palmer and Kordus for excavation and concrete work. This contract involves construction of 30 residences.

BIDS WANTED

BONNEVILLE, Ore.—Until Oct. 16, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland Major C. F. Williams, District Engineer, under Bid No. 35-202, for the drilling of about seven 6-in. core holes, with aggregate assorted drilling, exclusive of core recovered, of about 510 feet, at and near the site of the Bonneville Power & Navigation Project in the Columbia River near the Columbia River Highway, about 42 miles east of Portland.

The work involves:

(1) 300 l.f. overburden drilling 7½- to 8-in. drive pipe;
(2) 210 l.f. core drilling, 6-in. diameter core;
(3) 200 l.f. core recovered, 6-in. do.

Maps and specifications obtainable at the U. S. Engineer Office, Bonneville Dam Section, 341 Pittock Block, Portland; Map No. S-1-30, 31st Contract.

31—PIPE LINES & WELLS

CONTRACT AWARDED

TONOPAH, Nev.—R. L. Norris, 3975 Eighth Ave., Sacramento, has been awarded the contract by the Bureau of Biological Survey, Washington, D. C., for drilling five to eight wells within the federal migratory bird refuge, at Railroad Valley in eastern Nye County, Nevada. The work is part of a $25,000 public works program for this national project.

October 11, 1934

CONTRACT AWARDED

LOS ANGELES, Cal.—Blaw-Knox & Western Pipe Corp., 5717 Santa Fe Ave., Los Angeles, at $16,352 awarded contract by the Metropolitan Water District for furnishing approximately 168 ft. of movable steel telescoping forms and accompanying travel for lining 16-ft. tunnel under Spec. No. 71.

BIDS WANTED

RIVERSIDE, Cal.—Until October 31, 10 a. m., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for constructing cut-and-cover concrete conduit, precast and monolithic concrete siphons, steel pipe siphons, and appurtenant works of the Colorado River Aqueduct, Station 9289 plus 29 to 12122 plus 00, in accordance with Specifications No. 75. The work is located in Riverside County, and comprises approximately 30.5 miles of aqueduct construction between a point about 30 miles northwest of the City of Indio, California, located on the Southern Pacific Railway, and a point about 10 miles south of the City of Riverside. The work has been divided into schedules as follows:

Group Schedule Number	Conduit	Length in Miles Siphons	Outlet Channel	Tot.
18	5.11	0.12	.....	5.23
18K	.....	1.86	.....	1.86
19	6.68	.....	.....	6.68
19K	.....	0.42	.....	0.42
20	.....	3.51	.....	3.51
20K	.....	1.48	.....	1.48
21	.....	2.76	.....	2.76
22	.....	1.37	.....	1.37
23	6.28	.....	0.91	7.19
Total	18.07	11.52	0.91	30.50

The outlet channel is to have a bottom width of approximately 25 ft. The conduit is to be of semi-elliptical section with heights of about 15.4 and 16 ft. Sphons generally are to be of precast pipe or of monolithic (cast in place) construction, alternative bids being called for on these two types. For two siphons (length approximately 1.8 miles) alternative bids will be received for welded steel or precast pipe construction. Precast construction only will be considered for Schedule 20K.

Specifications may be obtained at the office of the district, Room 1007, upon payment of $5 per set, not returnable. Certified or cashier's check, 5%, must accompany each bid. F. E. Weymouth, General Manager and Chief Engineer.

SCHEDULE 18

Construction of cut-and-cover conduit and appurtenant works, between Stations 9289+29 and 9661+80; length 26,914 feet.

Note: A proposal under Schedule 18 will not be considered unless the bidder also submits proposals on Schedules 18A or 18P.

(1) 1,060,000 cu. yds. excav. for conduit—common;
(2) 2000 cu. yds. excav. for conduit—rock;
(3) to (7) Do not apply here;
(8) 690,00 cu. yds. backfill for conduit;
(9) 2500 cu. yds. compacted backfill for struc.;
(10) and (11) Do not apply here;
(12) 115,100 cu. yds. concrete in conduit;
(13) 50 cu. yds. concr. in struc.—reinforced;
(14) 70 cu. yds. concr. in struc.—plain;
(15) and (16) Do not apply here;
(17) 250,000 lbs. placing reinf. steel in conduit;
(18) 96,000 lbs. placing metal for construction joints;
(20) 194,000 lbs. placing metal for dummy joints;
(21A) Does not apply here;
(21B) 6200 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 1900 ton-mi. hauling steel;
(33) 215,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd. mi.;

SCHEDULE 18A

Construction of two circular monolithic siphons and appurtenant works, between Stations 9289+29 and 9661+80; Siphon diameter 12 feet 4 inches, total length 650 feet.

Note: Schedules 18A and 18P are alternative and will not be awarded separately from Schedule 18.

(1) 13,000 cu. yds. excav. for siphons—common;
(2) 100 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for structures—common;
(6) 5 cu. yds. excav. for structures—rock;
(7) Does not apply here;
(8) 6400 cu. yds. backfill for siphons;
(9) to (11) Do not apply here;
(12) 875 cu. yds. concrete in siphons;
(13) 860 cu. yds. concr. in structures—reinf.;
(14) 15 cu. yds. concr. in structures—plain;
(15) and (16) Do not apply here;
(17) 143,000 lbs. placing reinf. steel in siphons;
(18) 110,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 1000 ton-mi. hauling steel;
(33) 3300 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd.-mi.;

SCHEDULE 18K

Construction of two precast concrete siphons and appurtenant works, between Stations 9289+29 and 9661+80. Siphon diameter 12 feet 0 inches; total length 9811 feet.

Note: Schedules 18K and 18S are alternative.

(1) 142,00 cu. yds. excav. for siphons—common;
(2) 42,700 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for struc.—common;
(6) 5 cu. yds. excav. for struc.—rock;
(7) Does not apply here;
(8) 80,000 cu. yds. backfill for siphons;
(9) to (12) Do not apply here;
(13) 900 cu. yds. concr. in struc.—reinforced;
(14) 4100 cu. yds. concr. in struc.—plain;
(15) Does not apply here;
(16) 9659 lin. ft. precast concr. pipe in siphons;
(17) Does not apply here;
(18) 116,000 lbs. placing reinf. steel in struc.;

SCHEDULE 18P

Schedule of prices for the construction of two precast concrete siphons and appurtenant works, between Stations 9289+29 and 9661+80. Siphon diameter 12 feet 0 inches; total length 650 feet.

Note: Schedules 18P and 18A are alternative.

(1) 12,000 cu. yds. excav. for siphons —common;
(2) 100 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for structures —common;
(6) 5 cu. yds. excav. for structures—rock;
(7) Does not apply here;
(8) 5300 cu. yds. backfill for siphons;
(9) to (12) Do not apply here;
(13) 860 cu. yds. concr. in structures —reinf.;
(14) 215 cu. yds. concrete in structures—plain;
(15) Does not apply here;
(16) 475 lin. ft. precast concr. pipe in siphons;
(17) Does not apply here;
(18) 116,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (27) Do not apply here;
(28) 137,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) Do not apply here;
(32) 500 ton-mi. hauling steel;
(33) 3400 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd.-mi.;
(19) to (21A) Do not apply here;
(21B) 40,000 lbs. installing misc. metal work;
(22) to (27) Do not apply here;
(28) 3,005,000 lbs. furnishing and placing reinf. steel in cages;
(29) 1115 lin. ft. furnishing and placing steel cylinder reinforcement;
(30) and (31) Do not apply here;
(32) 600 ton-mi. hauling steel;
(33) 37,000 ton-mi. hauling cement;
(34) Overhal of concrete aggregates, fixed at ten cents ($0.10) per cu. yd.-mi.;

SCHEDULE 18S

Schedule of prices for the construction of two welded steel siphons and appurtenant works, between Stations 9289+29 and 9661+80. Siphon diameter 12 feet 8 inches; total length, 9811 feet.

Note: Schedules 18S and 18K are alternative.

(1) 83,000 cu. yds. excav. for siphons —common;
(2) 19,300 cu. yds. excav. for siphons —rock;
(3) and (4) Do not apply here;
(5) 4800 cu. yds. excav. for struc.—common;
(6) 1350 cu. yds. excav. for structures—rock;
(7) Does not apply here;
(8) 5100 cu. yds. backfill for siphons;
(9) to (12) Do not apply here;
(13) 1490 cu. yds. concr. in struc.—reinforced;
(14) 3610 cu. yds. concr. in struc.—plain;
(15) 1740 cu. yds. concr. in anchors —reinf.;
(16) and (17) Do not apply here;
(18) 340,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 19,000 lbs. installing misc. metal work;
(22) 169 assemblies, furnishing and installing ring girder assemblies;
(22A) for changes in weight of essemblies ordered by the District, deduct from or add to the bidder's price under Item 22;
(23) 205,000 lbs. furnishing and installing stiffening, types "Sa" and "Sb" with field joints "A";
(23A) 81,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb" with field joints "B";
(23B) 73,000 lbs. furnishing and installing stiffeners, type "2Sa" with field joint "B";
(24) 14 expansion joints, furnishing and installing expansion joints;
(25) 3 manholes, furnishing and installing manholes;
(26) 6 connections, furnishing and installing blow-off connections;
(27) 9313 lin. ft. furnishing and installing ⅝-in. plate steel pipe;
(28) to (31) Do not apply here;
(33) 13,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd-mi.;
(35) for lump sum, constructing experimental section;

SECTION 19

Schedule of prices for the construction of cut-and-cover conduit and appurtenant works, between Station 9682+40 and 10138+50; length, 35,229 feet.

(1) 1,410,000 cu. yds. excav. for conduit;
(2) 4700 cu. yds. excav. for conduit—rock;
(3) 6300 cu. yds. excav. for wasteway channel—unclassified;
(4A) 8500 cu. yds. excav. for drain pipe—common;
(4B) 100 cu. yds. excav. for drain pipe—rock;
(5) and (6) Do not apply here;
(7) 7300 cu. yds. grading for railroad;
(8) 935,000 cu. yds. backfill for conduit;
(9) 14,000 cu. yds. compacted backfill for structures;
(10) Does not apply here;
(11) 225 cu. yds. riprap;
(12) 152,000 cu. yds. concrete in conduit;
(13) 810 cu. yds. concrete in structures—reinforced;
(14) 140 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 590,000 lbs. placing reinf. steel in conduit;
(18) 107,000 lbs. placing reinf. steel in struc.;
(19) 126,000 lbs. placing metal for construction joints;
(20) 254,000 lbs. placing metal for dummy joints;
(21A) 22,000 lbs. installing gates, hoists, and operating mechanisms;
(21B) 12,000 lbs. installing misc. metal work;
(22) to (29) Do not apply here;
(30) 1000 lbs. placing hand railings;
(31) 450 lin. ft. laying 8-in. drain pipe;
(32) 2800 ton-mi. hauling steel;
(33) 204,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd.-mi.;

SCHEDULE 19A

Construction of one circular monolithic siphon and appurtenant works, between Stations 9682+40 and 10138+50. Siphon diameter 11 feet 5 inches; total length, 2235 feet.

Note: Schedules 19A and 19P are alternative.

(1) 45,000 cu. yds. excav. for siphon —common;
(2) 250 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here;
(8) 22,000 cu. yds. backfill for siphon:
(9) 900 cu. yds. compact backfill for struc.;
(10) and (11) Do not apply here;
12) 4030 cu. yds. concrete in siphon;
(13) 440 cu. yds. concrete in struc.—reinf.;
(14) 45 cu. yds. concr. in struc.—plain;
15) and (16) Do not apply here;
17) 905,000 lbs. placing reinf. steel in siphon;
(18) 60,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 2500 ton-mi. hauling cement;
(33) 6000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd-mi.;

SCHEDULE 19P

Construction of one precast concrete siphon and appurtenant works, between Stations 9682+40 and 10138+50. Siphon diameter 11 feet 1 inch, total length 2235 feet.

Note: Schedules 19P and 19A are alternative.

(1) 42,000 cu. yds. excav. for siphon —common;
(2) 230 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here
(8) 17,500 cu. yds. backfill for siphon;
(9) 500 cu. yds. compacted backfill for struc.
(10) to (12 Do not apply here;
(13) 435 cu. yds. concr. in struc.—reinforced;
(14) 830 cu. yds. cornr. in struc.—plain;
(15) Does not apply here;
(61) 2157 lin. ft. precast concr. pipe in siphon;
(17) Does not apply here;
(18) 60,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (27) Do not apply here;
(28) 750,000 lbs. furnishing and placing reinforcement steel in cages;
(29) to (31) Do not apply here;
(32) 200 ton-mi. hauling steel;
(33) 5400 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd.mi.;

SCHEDULE 20

Construction of two portions of a circular monolithic siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 4 inches, total length 18,561 feet.

Note: Schedules 20 and 20P are alternative.

(1) 300,000 cu. yds. excav. for siphon —common;
(2) 100 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures —common;
(6) and (7) Do not apply here;
(8) 185,000 cu. yds. backfill for siphon;
(9) 1100 cu. yds. compacted backfill for struc.;
(10) and (11) Do not apply here;
(12) 33,520 cu. yds. concrete in siphon;
(13) 260 cu. yds. concr. in struc.—reinf.;
(14) 195 cu. yds. concr. in struc.—plain;
(15) and (16) Do not apply here;
(17) 4,405,000 lbs. placing reinf. steel in siphon;
(18) 31,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 24,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 9000 ton-mi. hauling steel;

(33) 37,000 ton-mi. hauling cement;
(34) Does not apply here;

SCHEDULE 20P

Construction of two portions of a precast concrete siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 0 inches; total length 18,561 feet.

Note: Schedules 20P and 20 are alternative.

(1) 273,000 cu. yds. excav. for siphon—common;
(2) 100 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here;
(8) 165,000 cu. yds. backfill for siphon;
(9) 1100 cu. yds. compacted backfill for struc.;
(10) to (12) Do not apply here;
(13) 260 cu. yds. concr. in struc.—reinforced;
(14) 7915 cu. yds. concr. in struc.—plain;
(15) Does not apply here;
(16) 18,570 lin. ft. precast concr. pipe in siphon;
(17) Does not apply here;
(18) 31,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 24,000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 4,795,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 39,000 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 20K

Construction of two portions of a precast concrete siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 0 inches; total length 7800 feet.

(1) 125,000 cu. yds. excavation for siphon—common;
(2) 1000 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 5 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 80,000 cu. yds. backfill for siphon;
(9) 1300 cu. yds. compacted backfill for structures;
(10) to (12) Do not apply here;
(13) 220 cu. yds. concrete in structures—reinf.;
(14) 3320 cu. yds. concrete in structures—plain;
(15) Does not apply here;
(16) 7746 lin. ft. precast concrete pipe in siphon;
(17) Does not apply here;
(18) 28,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 9000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 2,295,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 16,000 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 21

Schedule of prices for the construction of three circular monolithic siphons and appurtenant works between Stations 11128+75 and 11431+25. Diameter 12 feet 4 inches; total length 14,585 feet.

Note: Schedules 21 and 21P are alternative.

(1) 242,000 cu. yds. excav. for siphons—common;
(2) 1200 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 125 cu. yds. excav. for structures—common;
(6) 15 cu. yds. excav. for structures—rock;
(7) 1500 cu. yds. grading for railroad;
(8) 151,000 cu. yds. backfill for siphons;
(9) 2400 cu. yds. compacted backfill for structures;
(10) and (11) Do not apply here;
(12) 26,640 cu. yds. concrete in siphons;
(13) 1275 cu. yds. cnocrete in structures—reinf.;
(14) 505 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 3,880,000 lbs. placing reinf. steel in siphons;
(18) 156,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 37,000 lbs. installing miscellaneous metal work;
(22) to (31) Do not apply here;
(32) 2100 ton miles hauling steel;
(33) 7600 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 21P

Schedule of prices for the construction of three precast concrete siphons and appurtenant works between Stations 11128+75 and 11431+25. Precast concrete siphon; diameter 12 feet 0 inches; length 14,585 feet.

Note: Schedules 21P and 21 are alternative.

(1) 225,000 cu. yds. excav. for siphons—common;
(2) 1100 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 125 cu. yds. excav. for structures—common
(6) 15 cu. yds. excav. for structures—rock;
(7) 1500 cu. yds. grading for railroad;
(8) 140,000 cu. yds. backfill for siphons;
(9) 2400 cu. yds. compacted backfill for structures;
(10) to (12) Do not apply here;
(13) 1275 cu. yds. concrete in structures—reinf.;
(14) 6475 cu. yds. concrete in structures—plain;
(15) Does not apply here;
(16) 14,309 lin. ft. precast concrete pipe in siphons;
(17) Does not apply here;
(18) 156,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 37,000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 4,150,000 lbs. furnishing and placing reinforcement steel in cages;
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 7900 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 22

Schedule of prices for the construction of one circular monolithic siphon and appurtenant works, between Stations 11551+00 and 11623+25. Siphon diameter 12 feet 4 inches; total length 7225 feet.

Note: Schedules 22 and 22P are alternative.

(1) 110,000 cu. yds. excav. for siphon—common;
(2) 500 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon;
(9) to (11) Do not apply here;
(12) 12,760 cu. yds. concrete in siphon;
(13) 435 cu. yds. concrete in structures—reinf.;
(14) 80 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 1,715,000 lbs. placing reinf. steel in siphon;
(18) 53,000 lbs. placng reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 16,000 lbs. installing miscellaneous metal work;
(22) to (31) Do not apply here;
(32) 1800 ton miles hauling steel;
(33) 7500 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 22P

Schedule of prices for the construction of one precast concrete siphon and appurtenant works, between Stations 11511+00 and 11623+25. Siphon diameter 12 feet 0 inches; total length 7225 feet.

Note: Schedules 22P and 22 are alternative.

(1) 100,000 cu. yds. excav. for siphon—common;
(2) 470 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(2) 57,000 cu. yds. backfill for siphon;
(9) to (12) Do not apply here;
(13) 435 cu. yds. concrete in structures—reinf.;
(14) 3060 cu. yds. concrete in structures—plain;
(15) Does not apply here;
(16) 7127 lin. ft. precast concrete pipe in siphon;
(17) Does not apply here;
(18) 53,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 16,000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 1,705,000 lbs. furnishing and placing reinforcement steel in cages,
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 7600 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 23

Schedule of prices for the construction of cut-and-cover conduit and appurtenant works, between Statons 11074+25 and 12122+00; length 33,161 feet.

Note: Schedule 23 will not be awarded separately from Schedule 23A.

(1) 1,225,000 cu. yds. excav. for conduit—common;
(2) 38,000 cu. yds. excav. for conduit—rock;
(3) and (4) Do not apply here;
(5) 80 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 775,000 cu. yds. backfill for conduit;
(9) 10,000 cu. yds. compacted backfill for structures;
(10) and (11) Do not apply here;
(12) 131,000 cu. yds. concrete in conduit;
(13) 60 cu. yds. concrete in structures—reinf.;
(14) 210 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 500,000 lbs. placing reinf. steel in conduit;
(18) 9000 lbs. placing reinf. steel in structures;
(19) 117,000 lbs. placing metal for construction joints;
(20) 214,000 lbs. placing metal for dummy joints;
(21A) Does not apply here;
(21B) 8000 lbs. installing miscellaneous metalwork;
(22) to (30) Do not apply here;
(31) 1530 lin. ft. laying 8-in. drain pipe;
(32) 1000 ton miles hauling steel;
(33) 70,000 ton miles hauling cement;
(34) Does not apply here;

SCHEDULE 23A

Schedule of prices for the excavation of an outlet channel between Stations 11074+25 and 12122+00; total length 4800 feet.

Note: Schedule 23A will not be awarded separately from Schedule 23.

(1) 163,000 cu. yds. excav.—common;
(2) 60,000 cu. yds. excav—rock. 31

BIDS OPENED

LOS ANGELES, Cal.—The following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing distribution transformers under Spec. No. 1511. The bidders were:

(A) Moloney Electric Co.; shipping weight, (1) 6,000 lbs.; (2) 2,500 lbs.; shipping point, St. Louis.

(B) General Electric Co., shipping weight, (1) 7,200 lbs.; (2) 4,400 lbs.; shipping point, Pittsfield. Mass.

(C) Westinghouse Electric & Mfg. Co., (1) 6,900 lbs.; (2) 3,600 lbs.; shipping point Sharon, Pa., or Emeryville, Calif.

(D) (Thomas Machinery Co.) Kuhlman Electric Co., (1) 32,856 lbs. for all 6; shipping point, Bay City, Mich.

(E) Wagner Electric Corp., (1) 6,650 lbs.; (2) 3,350 lbs.; shipping point, St. Louis.

(F) Allis-Chalmers Mfg. Co., (1) 6,800 lbs.; (2) 4,000 lbs.; shipping point, Pittsburg.

(G) Pennsylvania Transformer Co., (1) 7,050 lbs.; (2) 3,450 lbs.; shipping point, Pittsburg.

(H) Standard Transformer Co., (1) 7,000 lbs.; (2) 4,000 lbs.; shipping point Warren, Ohio.

The items are:

(1) for 3 only 500 KVA, 34,500 volt distribution transformers:
(a) fob cars bidder's shipping point;
(b) fob cars or trucks department's warehouse, 1630 N Main Street, Los Angeles.

(2) for 3 only 200 KVA, 34,500 volt distribution transformers:
(a) fob cars bidder's shipping point;
(b) fob cars or trucks department's warehouse, 1630 N Main Street, Los Angeles.

All bids were net.

The bids were:

	(1a)	(1b)	(2a)	(2b)
(A)	$1924.00	$2004.00	$1111.50	$1159.00
(B)	2223.00	2334.00	1387.00	1439.00
(C)	2230.00	2334.00	1385.00	1439.00
(D)	2163.00	2236.00	1330.00	1366.00
(E)	2185.00	2368.00	1312.00	1488.00
(F)	2146.00	2248.00	1312.00	1355.00
(G)	2050.00	2142.00	1250.00	1292.00
(H)	1751.00	1824.00	1086.00	1129.00

25

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

LOS ANGELES, Calif.—Byerts and Dunn, 7908 Santa Monica Blvd., Los Angeles, at $10,350 submitted low bid to the Los Angeles Board of Public Works, October 3, for the construction of the Harbor Blvd. sewage pumping plant at San Pedro, PWA Project No. 5633, Unit No. 4a. The work consists of the construction of a reinforced concrete pump pit, including cast iron force main, a reinforced concrete meter chamber and the 12-in. overflow sewer. The equipment is not to be installed under this contract.

Complete bids follow:

Byerts & Dunn, L. A.	$10,350
Shannahan Bros., Inc., L. A.	15,109
R. H. Travers	18,783
Oscar Oberg, Los Angeles	18,874

Bids held under advisement.

BIDS WANTED

FRESNO, Cal.—Until October 20, 10:30 A. M., bids will be received by the Fresno City Council, H. S. Foster, City Clerk, to be opened in the Council Chamber in the City Hall, at 11 A. M., for the construction of a storm water sewer system (North End Dist.) PWA Project 6751-1, in the City of Fresno.

Plans and specifications on file at the above office.

BID OPENING POSTPONED

PHOENIX, Arizona—Until October 17, 10 A. M., date postponed from Oct. 10, previously reported, bids will be received by the Phoenix City Commission, for the construction of sanitary sewer in accordance with plans and specifications prepared by C. E. Griggs, City Engineer.

NEW BIDS WANTED

LOS ANGELES, Cal.—Until October 24, 10 A. M., new bids will be received by the Los Angeles Board of Public Works for the construction of the Harbor Blvd. sewage pumping plant at San Pedro, PWA Project No. 5633, Unit No. 4a. The work consists of the construction of a reinforced concrete pump pit, including cast iron force main, a reinforced concrete meter chamber and the 12-in. overflow sewer. (The equipment is not to be installed under this contract.)

The work involves:

(1) 98 c.y. concrete;
(2) 20,212 lbs. reinforcing steel;
(3) 4,374 sq. ft. forms;
(4) 404 c.y. excavation;
(5) 2,126 sq. ft. sheet piling;
(6) 2 iron gates;
(7) 2 check valves;
(8) 2 snow gates;
(9) 1 manhole frame and cover set;
(10) 118 ft. 6-in. cast iron pipe;
(11) 5 ft. 12-in. do;
(12) 223 ft. 12-in. vit. clay pipe;
(13) 19 ft. 4-in. do;
(14) 1 ft. 24-in. cast iron pipe;
(15) 222 c.y. trenching;
(16) 80 sq. ft. Class A resurfacing;
(17) 101 sq. ft. Class C resurfacing;
(18) miscellaneous pipe and fittings.

All bids received Oct. 3 were rejected Oct. 8. Byerts & Dunn, 7908 Santa Monica Blvd., Los Angeles, at $10,350 submitted low bid at that time.

TO ASK BIDS

HEALDSBURG, Sonoma Co., Cal.—City Council has authorized City Engineer to receive bids for furnishing a chlorinator.

BIDS WANTED

LOS ANGELES, Cal.—Until October 24, 10 A. M., bids will be received by the Los Angeles Board of Public Works for the construction of Unit 2A of the Terminal Island outfall sewer with force main and clarifier, PWA Project 5633. The work involves:

(1a) 164.88 l.f. 30-in. CIP sewer, inc. concrete footings and 20-in. check valve (furnished by city);
(1b) 82.74 l.f. 20-in. do;
(2) 609.55 l.f. 30-in. cast iron (bolted joint pipe) sewer;
(2a) (alt. to Item 2) 60.55 l.f. 30-in. vitrified clay extra strength pipe sewer;
(3) 496 l.f. 30-in. CI pipe sewer;
(3a) (alt. to Item 3) 496 l.f. 30-in. CI pipe (bolted joint pipe) sewer.

BIDS WANTED

FRESNO, Cal.—Until October 20, 10:30 A. M., as previously reported, bids will be received by the Fresno City Council, H. S. Foster, City Clerk, to be opened in the Council Chamber in the City Hall, at 11 A. M., for the construction of a storm water sewer system (North End District) PWA Project 6751-1, in the City of Fresno. The work involves:

(1) 1756 lin. ft. 30-in. concrete pipe;
(2) 2664 lin. ft. 24-in. do;
(3) 651 lin. ft. 18-in. do;
(4) 247 lin. ft. 12-in. sewer pipe;
(5) 59 lin. ft. 8-in. sewer pipe;
(6) 5 concrete manholes;
(7) 6 brick manholes;
(8) 13 storm water inlets;
(9) 395 lin. ft. 24-in. corrugated metal and concrete culvert;
(10) 8 cast iron handholes.

Plans and specifications obtainable from above office upon deposit of $2.50.

CONTRACT AWARDED

GUSTINE, Cal. — United Concrete Pipe Corp., Ceres Highway, Modesto, at $2667.80 submitted low bid and awarded contract by the Gustine City Council, W. L. Chappell, City Clerk, for the construction of an industrial sewer consisting of approximately 2444 ft. of 18-in. concrete irrigation pipe; 724 ft. of 14-in. concrete irrigation pipe; 4 manholes and 3 8-in. verts. The other bids were:

A. Soda & Son, Oakland	$2868.53
H. A. Shoemaker, Yuba City	2889.46

BIDS OPENED

SAN FRANCISCO — Anderson & Rowe, 45 Belcher St., at $9880 submitted low bid to the Department of Public Works, City Hall, for the installation of a pump and auxiliary equipment for the Commercial street sewage pumping station. Complete bids follow. All bidders of San Francisco:

Anderson & Rowe	$ 9,880
Percy L. Burr	10,190
Scott Company	10,447
Frederick W. Snook	11,989
H. S. Tittle Co.	14,245

33— WATER WORKS

BIDS WANTED

PORTLAND, Ore.—Until October 20, 11 a. m., bids will be received by the Sylvan Water District, A. E. Horn, secretary, 628 Railway Exchange Bldg., Portland, for water works improvements for the Sylvan Water District.

The work consists of furnishing all materials and constructing a steel tank reservoir installation of two pumping plants, laying pipes, etc.

Plans and specifications obtainable from the above office upon deposit of $5.

BIDS WANTED

SAN FRANCISCO.—Until Oct. 17, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, Felton Taylor, Secretary, for the laying of 6- and 8-in. cast iron mains in the area from Division Street to Esmeralda Avenue and from Mission to Iowa St., under Spec. W. D. 51.

The work involves:

(1) 25,600 l.f. excavation and backfill for 6-in and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 410 c.y. additional excavation and backfill;
(3) 1,000 sq. ft. additional pavement removal and replacement;
(4) installing of pipe:
(a) 21,750 l.f. 6-in. bell and spigot cast iron pipe;
(b) 3,850 l. f. 8-in. do;
(5) 15,500 pounds installing of fittings, gate valves, etc.;
(6) 3,800 l.f. bell and spigot joints for pipe and fittings;
(7) 37,300 sq. ft. repavement;
(8) connections, work to be done by the S. F. Water Department.

N. A. Eckart, chief engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00.

BIDS WANTED

SAN FRANCISCO.—Until Oct. 17, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, Felton Taylor, Secretary, for the laying of 6- and 8-in. cast iron mains in the area from Ocean Ave. to Alemany Blvd. and from Junipero Serra Blvd. to Lee Ave., under Specifications W. D. 50.

The work involves:

(1) 37,160 l.f. excavation and backfill for 6-in and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 580 c.y. additional excavation and backfill;
(3) 1500 sq. ft. additional pavement re-removal and replacement;
(4) installing of pipe:
  (a) 30,070 l.f. 6-in. bell and spigot cast iron pipe;
  (b) 7,090 l.f. 8-in. do;
(5) 17,700 pounds installing of fittings, gate valves, etc.;
(6) 4,820 l.f. making joints, bell and spigot;
(7) 58,000 sq. ft. repavement;
(8) connections, work to be done by the S. F. Water Department.

N. A. Eckart, chief engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.00. .3

CONTRACT RE-AWARDED

PHOENIX, Arizona—O. F. Fisher, 516 S. Seventh St., Phoenix, at $99,-206.97 (based on use of mono-cast iron pipe with lead joints) awarded contract by W. C. Lefebvre, City Manager, October 1, for the construction of extensions to the city water system in the suburban section of the city.

The contract was previously awarded to the Arizona Concrete Co. at $97,241.8, but the award was not approved by the State PWA engineer, whose decision was upheld by the administration at Washington. The award must now be further approved by the city commission which has the alternative of approving the award or losing the PWA allotment.

Funds for the project will be furnished by the government under a PWA allocation of $250,000. A bond issue was voted last December to refinance the loan of $200,000, the $150,000 being a grant.

BONDS VOTED

ARCATA, Cal.—A $90,000 general obligation bond issue for the purchase and improvement of the water system now owned by the Public Utilities California Corporation was approved by the Arcata voters, Oct. 2, by a vote of 399 to 76.

It is planned to purchase the system for $75,000 and to expend the balance of the bond proceeds for necessary betterments. *

AWARD RECOMMENDED

BRAWLEY, Cal.—The Brawley City Council has recommended to the PWA that the contract for water system extensions be awarded to Marke Matich, 1269 E. Colorado Blvd., Los Angeles, low bidder at $95,672, and the contract for an elevated steel tank and tower be awarded Chicago Bridge & Iron Works, 608 S. Hills St., Los Angeles, at $23,790.

TO ASK BIDS

COOLIDGE, Ariz.—The U. S. Irrigation Service will issue a call for bids in about a week for furnishing pumps, motors, etc., for the San Carlos Project at Coolidge, Ariz. Bids will be taken on pumps of the following capacities: 1900- 2200- 2500- 3000- 3500- 4000- 4500- and 5000-gpm. Bids will also be taken on pumps of the above capacities with heads varying from 50 ft. to 120 ft. in steps of 10 ft. each, totaling 64 sizes. Pumps are to be complete with motor and pump house. It is planned to purchase approximately thirty pumps. Specifications will be issued and may be obtained from the San Carlos Project Office at Coolidge. .3

PURCHASE PLANNED

GALT, Sacramento Co., Cal.—The Galt Water District will use proceeds of a $30,000 bond issue to purchase the existing privately owned water system operated by Mrs. Rachel Haskins. Installation of new mains and fire hydrants is planed.

ALLOTMENT RESCINDED

BURLEY, Idaho—A loan and grant of $56,000 for improvements to the municipal water system, has been rescinded by the Federal Public Works Administration at the city's request.

PLANNED

TAFT, Kern Co., Cal.—The Taft City Council has instructed City Engineer Oscar Boyd to prepare plans for repair and extension of city fire mains and additional hydrants as an SERA project.

City will purchase used pipe, valves, etc., where possible.

FUNDS ALLOTTED

FOUNTAIN GREEN, Utah — The Federal Public Works Administration has allotted a loan and grant of $40,-000 to Fountain Green City, Sanpete County, Utah, for replacement of approximately 33,750 lin. ft. of existing wood stave pipe in water distribution system with cast iron pipe, including the installation of gooseneck for house connections, and additional fire hydrants.

The approximate cost of labor and material is $39,000, of which 30% is a grant. The balance is a loan secured by 4% revenue bonds.

34 — PARKS AND PLAYGROUNDS

BIDS REJECTED

SAN FRANCISCO. — Veterans' Administration rejected bids opened Sept. 28 for shrubs, trees, loam, etc., at the Veterans' Administration Facility, Ft. Miley. Bids will be re-advertised on the following items:

(1) trees and shrubs;
(2) 700 bales peat moss;
(3) 1800 lbs. Italian rye seed.

College Hill Nursery, at $1,600 submitted lowest bid for manure and contract will be awarded to them shortly.

Complete bids published October 1.

29—STREETS AND HIGHWAYS

AWARD

WHITE PINE COUNTY, Nevada.—Isbell Const. Co., Carson City, at $39,-893.18 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway system in White Pine County between Preston and the junction with Route 4, a length of 7.35 miles.

Harms Bros., Sacramento, at $41,-022.93 submitted second low bid.

AWARD

CLARK AND LINCOLN COS., Nev. —J. C. Compton, McMinnville, Ore., at $81,338.62 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for the surfacing of an asphaltic roadmix surface in Clark and Lincoln counties between Glendale and Maynard Lake, a legth of 49.78 miles.

C. F. Fredericksen & Sons, Lower Lake, Calif., at $89,963.06 submitted second low bid.

AWARD

TILLAMOOK CO., Ore.—Jacobsen-Jensen Co., 517 NE Stanton Street, Portland, at $94,725 awarded contract by the Oregon State Highway Commission, Portland, for 3.82 miles of grading on the Deadman Creek-Brooks Section of Wilson River Highway, Tillamook County, National Recovery Project No. NRH 191-B.

BIDS WANTED

MONTEREY, Cal.—Until October 23, 7:30 P. M., bids will be received by the Monterey City Council for improvement of portions of Lake and other streets by construction of sewers as specified in Resolution of Intention No. 3490, on file with City Clerk Clyde A. Dorsey. .3

PLANS APPROVED

EL CERRITO, Cal.—The El Cerrito City Council has approved plans and specifications submitted by City Engineer, H. D. Chapman for repaving Cutting Blvd., from San Pablo Ave. to the Richmond City line. Plans have been forwarded to State Highway Commission for approval. .3

BIDS WANTED

SAN FRANCISCO. — Until October 24, 2:30 p. m., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251 City Hall, for the improvement of Cayuga Ave., between Gorham St., and the easterly line of Milton St. Estimated cost, $725.

The work involves:

(1) 109 l.f. armored concrete curb.
(2) 57 l.f. 6" V.C.P. side sewer.
(3) 1635 sq. ft. asphalt concrete pavement, consisting of a 6" Class F concrete base and a 2" asphaltic concrete wearing surface.
(4) 440 sq. ft. one-course concrete sidewalk 6' wide.

Plans and specifications obtainable from City Engineer John J. Casey. *

NOTICE TO CONTRACTORS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento October 17, and in Los Angeles October 18 and 25.

Sacramento October 17

II-Plu-21-A between Rock Creek and Storrie: Plans, (No. Sheets) 7; (Cost) $0.70; Cross Sections, (No. Sheets) 69; (Cost) $6.90; (Total) $7.60.

VI-Fre-4-A bet. Selma and Fowler Switch Canal: Plans, (No. Sheets) 11; (Cost, $1.10; Cross-Sections, (No. of Sheets) 22; (Cost) $2.20; (Total) $3.30.

Los Angeles October 18

VII-L.A-60-L.Bch bet. Loma Avenue and Hathaway Ave.: (Plans, (No. of Sheets) 12; (Cost) $1.20; Cross-Sections, (No. of Sheets) 14; (Cost) $1.40; (Total) $2.60.

Los Angeles October 25

VII-L.A-60L.Bch bet. Pacific Ave. and Olive Ave.: Plans, (No. of Sheets) 9; (Cost) $.90; Cross-Sections, (No. of

Sheets, 14; (Cost) $1.40; (Total) $2.30.
VII-Ora-43-B bet. 0.4 mile east of Peralta School and Gypsum Creek; Plans, (No. of Sheets) 21; (Cost) $2.10 Cross - Sections, (No. of Sheets) 87; (Cost) $8.70; (Total) $10.80.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

BIDS WANTED

CHELAN CO., Wash.—Until Oct. 23, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for widening with Portland cement concrete about 1.7 miles of State Road No. 2, Wenatchee west, U. S. Public Works Project NRH 149-C (1935) in Chelan County.

The work involves about 10,420 c.y. excavation, 18,653 sq. yds. pavement, 1,074 l.f. pipe culverts, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

NOTICE TO BIDDERS

STATE OF CALIFORNIA—A representative of the District Office will accompany prospective bidders over the proposed project in Orange County between Peralta School and Gypsum Creek, road VII-Ora-43-B, for which bids are to be received in Los Angeles on October 25, 1934.

Said representative will meet prospective bidders at Adobe Potteries, ½ mile east of Peralta School on Santa Ana Canyon Road on Tuesday, October 16, at 10:30 A. M.

Prospective bidders are urged to co-operate with the District Office and arrange to make their field inspection on the above date.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until November 1, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 4.4 miles of grading and paving with asphalt concrete in Los Angeles County between Newhall Tunnel and Saugus.

The work involves:
(1) 233 sta. clearing and grubbing right of way;
(2) 1,700 c.y. rdwy. excavation, unclassified;
(3) 19,500 c.y. imported borrow;
(4) 515 c.y. structure excavation;
(5) 6,500 sq. yds. subgrade for pave.;
(6) 45,000 sq. yds. asph. paint binder;
(7) 19,500 tons asphalt concrete;
(8) 330 tons fuel oil;
(9) 4.36 miles prepare, mix and shape shoulders;
(10) 15 c.y. Class A Portland cement concrete (structures);
(11) 500 lbs. bar reinf. steel struc.;
(12) 510 lbs. misc. iron and steel;
(13) 64 l.f. 18-in. CMP;
(14) 310 l.f. 24-in. CMP;
(15) 24 l.f. 30-in. CMP;
(16) 500 M. gals. water;
(17) 2,545 l.f. bank protection fence;
(18) 84 l.f. laminated timber guard rail;
(19) 14 each culvert markers;
(20) 233 sta. finishing roadway.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Bldg., Sacramento, and on file at the District Engineer's offices in San Francisco and Los Angeles.

BIDS WANTED

SAN DIEGO COUNTY, Calif.—Until November 1, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 1.9 miles of grading and surfacing with bituminous macadam on crusher run base in San Diego County between the Military Reservation and Canon Street.

The work involves:

NOTE: No certificate of compliance will be required on this project.
(1) 15 sta. clearing and grubbing right of way;
(2) 60 each removing and disposing of trees;
(3) 10 each moving and replanting trees;
(4) 21,000 c.y. rdwy. excav., unclass.;
(5) 15,000 c.y. imported borrow;
(6) 70,000 sta. yds. overhaul;
(7) 600 c.y. structure excavation;
(8) 2 c.y. removing and disposing of concrete;
(9) 11 c.y. Class A Portland cement concrete (curb and structures);
(10) 350 lbs. bar reinf. steel (struc.);
(11) 5 each spillway assemblies;
(12) 44 l.f. 8-in. CMP;
(13) 492 l.f. 18-in. CMP;
(14) 60 l.f. 24-in. CMP;
(15) 90 l.f. 36-in. CMP;
(16) 1,100 M. gals. water;
(17) 0.4 mile new property fence;
(18) 1 only fence gate complete in place;
(19) 0.2 mile removing and disposing of property fence;
(20) 5,100 tons crusher run base;
(21) 3,250 tons broken stone bituminous macadam;
(22) 175 tons Grade E asphalt;
(23) 126 tons fuel oil;
(24) 21,000 sq. yds. prepare, mix and shape shoulders;
(25) 105 sta. finishing roadway.

Plans and specifications obtainable from the State Highway Engineer's office, Public Works Bldg., Sacramento, and on file at the District Engineer's offices in San Francisco and Los Angeles.

BIDS WANTED

SANTA BARBARA COUNTY, Cal.—Until October 31, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 3.8 miles of grading and paving with Portland cement concrete in Santa Barbara County, between Gaviota Creek and Nojoqui Creek. The work involves:
(1) 62 sta. clearing and grubbing right-of-way;
(2) 591,650 cu. yds. roadway excav. unclass.;
(3) 2,570,000 sta. yds. overhaul;
(4) 120 tons Grade E asph. (seal coat)
(5) 29,200 cu. yds. imported borrow;
(6) 8000 cu. yds. structure excav.;
(7) 700 cu. yds. conc. in existing pavement and structures to be removed and disposed of;
(8) 44,100 sq. yds. subgrade for pavement;
(9) 8835 cu. yds. Class A Portland cement concrete (pave.);
(10) 2000 cu. yds. do ,structures);
(11) 222,000 lbs. bar reinforcing steel (pavement and structures);
(12) 18,000 each pavement dowels;
(13) 1126 lin. ft. 8-in. C.M.P.;
(14) 484 lin. ft. 18-in. C.MP;
(15) 1086 lin ft. 24-in. C.M.P.;
(16) 294 lin. ft. 30-in. C.M.P;
(17) 336 lin ft. 30-in. C.M.P., 12 ga.;
(18) 110 lin. ft. 36-in. C.MP;
(19) 732 lin. ft. 38-in. C.M.P. gauge;
(20) 3160 lin ft. 8-in. perforated metal pipe underdrains;
(21) 32 each spillway assemblies complete in place;
(22) 7120 sq. yds. paved gutters and aprons;
(23) 1000 lin. ft. moving and resetting existing guard rail;
(24) 470 lin ft. laminated timber guard rail;
(25) 272 each timber guide posts;
(26) 68 each timber culvert markers;
(27) 7.9 miles new property fence;
(28) 19 each fence gates;
(29) 5175 M. gals. water;
(30) 590 tons fuel oil;
(31) 52,000 sq. yds. mixing fuel oil on road approaches, detours and shoulders;
(32) 850 lin. ft. bank protection fence
(33) 198 stations finishing roadway;
(34) 112 monuments complete in place

Plans and specifications obtainable from above office and on file at the District Engineer's officer in San Francisco, Los Angeles and the district in which the work is situated.

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—Hemstreet & Bell, 501 11th St., P. O. Box 550, Marysville, at $52,773.50 awarded contract for grading and constructing a bridge on Section B of Route 51 the Hoopa National Forest Highway, Trinity National Forest, Humboldt County, a length of 0.571 miles.

BIDS WANTED

KLAMATH CO., Ore.—Until Oct. 19, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Building, Portland, W. H. Lynch, District Engineer, for constructing or improving Crater Lake National Park Rim Road Project PEC-7-C1, Unit 1, Grading and PEC-7-B & 7-C (portions) widening, National Pk. Road Project, located within Crater Lake National Park, Klamath County, Oregon.

The length of the project is approximately 1.582 miles of grading and 9.36 miles of widening, and the work involves:
(1) 30 acres clearing;
(2) 25 acres grubbing;
(3) 231,400 c.y. unclassified excava.;
(4) 600,000 sta. yds. overhaul;
(5) 11.442 miles finishing earth graded road;
(6) 10 acres roadside cleanup;
(7) 2,000 c.y. ml. cushion haul;
(8) 360 l.f. extra strength reinforced concrete pipe;
(9) 50,000 l.f. rounding of cut slopes;
(10) lump sum, old road obliteration.

Plans and specifications obtainable from the above office upon deposit of $10.00.

CONTRACT AWARDED

CHANDLER, Arizona — Clinton Campbell, Phoenix, at $6480.70 awarded contract by the Arizona State Highway Commission, Phoenix, for concrete pavement widening and street improvement in the Town of Chandler.

CONTRACT AWARDED

NAPA, Cal.—Henry Grimoldi, Bauer Tract, Napa, at $1390.20 submitted only bid and awarded contract by the Napa City Council, October 8, for the improvement of one block on Palmer St., between Wilson and Seminary. H. A. Harrold, City Engineer.

BIDS OPENED

OAKLAND, Calif.—Identical bids at $1.10 per barrel, maximum $1.32 per barrel, were received by the City of Oakland School District and the Oakland High School District for furnishing fuel oil under Schedule No. 15. The bidders were: S. T. Johnson Co., Cook Oil Co., Richfield Oil Co., Gilmore Oil Co., Shell Oil Co., Union Oil Co., General Petroleum Corp. and Associated Oil Co.

The Standard Oil Co. bid $1.10 per barrel, with a maximum bid of plus 25%.

Bids held under advisement.

BIDS OPENED

SAN ANSELMO, Cal.—E. A. Forde, 640 Redhill Ove., San Anselmo, at $6040 submitted low bid to the San Anselmo City Council, Donald Wood, Superintendent of Streets, for paving, etc., on Redhill Ave. and Sir

Francis Drake Blvd. Total bids follow:
(A) E. A. Forde, San Anselmo, $6040.
(B) Frank J. Main, Fairfax, $6351.
(C) Lee J. Immel, Berkeley, $6426.
(D) A. G. Raisch, San Francisco, $6437.
(E) Engineer's Estimate, $6040.
Unit bids follow:
(1) 50,000 sq. ft. emulsified asph. full penetration pavement (A) $0.115; (B) $0.118; (C) $0.121; (D) $0.12; (E) $0.115.
(2) 3600 sq. ft. emulsified asph. conform built up present pavement, (A) $1.00; (B) .50; (C) .80; (D) .70; (E) $1.00.
(3) 110 lin. ft. concrete curb, (A) .05; (B) .11; (C) .08 (D) .10; (E) .05.
Bids held under advisement. * 9

AWARD RECOMMENDED

WHITE PINE & NYE COS., Nev.—Award of a contract to Dodge Construction, Inc., Fallon, Nevada, at $121,716.00 for grading and placing crushed gravel base course on Section A of Route 12, the Midland Trail (Currant Creek) Nat'l Forest Highway, Nevada National Forest, and Section C of Federal Lands Highway Project No. 1 (part of Midland Trail) Ely-Tonopah Highway, in White Pine and Nye counties, Nevada, has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco. Complete bids published October 10.

CONTRACT AWARDED

CLARK COUNTY, Nevada.—Union Paving Co., Call Bldg., San Francisco at $45,412.12 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway system in Clark County between three miles southwest of Apex and Apex, Route 6, Section D1, a length of 2.71 miles.

Gibbons and Reed Co., Salt Lake City, at $55,649.35 submitted second low bid.

BIDS WANTED

SNOHOMISH COUNTY, Wash.—Until October 12, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for the construction of improvement of the South Fork Stillaguamish Highway Grading Project FHEC-7-C, National Forest Road Project, located within the Mt. Baker National Forest, Snohomish County, Washington.

The length of the project is approximately 0.3559 miles, and involves:
(1) 6 acres clearing;
(2) 3.5 acres grubbing;
(3) 104,400 cu. yds. unclassified excavation;
(4) 42,000 sta. yds. overhaul;
(5) 452 lin. ft. extra strength reinf. concrete pipe;
(6) 5000 cu. yds. overruns in slides and overbreakage.

Plans and specifications obtainable from above office upon deposit of $10.

PRELIMINARY NOTICE TO CONTRACTORS

WASHINGTON STATE—The following project in Mt. Rainier Nat'l. Park, State of Washington, will be advertised for bids to be received possibly too late this season for contractors to view the project on the ground. It is therefore recommended that interested contractors go over the project immediately to insure that when advertisement for bids is issued they will be informed and in a position to submit bids.

PEC-1-B resurfacing and bituminous macadam. The improvement contemplated consists of resurfacing and the construction of a bituminous macadam 18 ft. wide and 2-in. compacted thickness on the Nisqually Road from Nisqually Bridge to Paradise including parking are approxi- 8.27 miles in length.

Contractors should contact the resident engineer, C. G. Polk at Longmire, Washington. W. H. Lynch, District Engineer.

CONTRACT AWARDED

MULTNOMAH COUNTY, Oregon—Jacobsen-Jensen Co., 517 N.E. Stanton St., Portland, at $145,725 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for 3.3 miles paving of the Portland-Washington County Line Section of West Side Pacific Highway. National Recovery Projects Nos. NRH 73 and 203-B.

Complete total bids follow:
Jacobsen - Jensen Co., Portland, $145,725.
Edlefsen - Weygandt Co., Seattle, $148,022.
Harold Blake, Portland, $153,430.
Kern & Kibbe, Portland, $163,630.
Theo. Arenz, Portland, $164,070.
Northwest Roads Co., Portland, $167,-181.
Parker-Schram Co., Portland, $171,-298.

CONTRACT AWARDED

LANE COUNTY, Oregon—Earl McNutt, Eugene, at $12,110 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 1, for 1.34 miles grading and surfacing of the Spencer Butte Section of Fox Hollow Secondary Highway. National Recovery Project No. NRS 236. Complete total bids follow:

Earl McNutt, Eugene	$12,110
M. L. O'Neil & Son	12,693
E. C. Hall	13,611
Slate Constr. Co., Albany	13,916
Saxton & Looney, Corvallis	14,545
Mountain States Constr. Co., Eugene	15,535

BIDS WANTED

SAN LUIS OBISPO COUNTY, Cal.—Until October 23, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 84, the Morro Bay National Forest Highway, Santa Barbara National Forest, San Luis Obispo County. The work involves:
(1) 25 acres clearing;
(2) 275,000 cu. yds. unclassified excavation;
(3) 1500 cu. yds. do for structures;
(4) 1,278,000 sta. yds. overhaul;
(5) 5900 cu. yds. mi. borrow haul;
(6) 600 cu. yds. hand-laid rock embankment;
(7) 3.578 mi. finishing earth graded road;
(8) 3372 lin. ft. C. M. pipe;
(9) 12 each Type A spillway inlets;
(10) 2 each 18-in. C.M.P. elbows;
(11) 240 cu. yds. concrete;
(12) 20,600 lbs. reinforcing steel;
(13) 68 cu. yds. cement rubble masonry;
(14) 48 each culvert markers;
(15) 5400 lin. ft. Type I protection ditch;
(16) 4593 lin. ft. wood guard rail;
(17) 322 each guide posts;
(18) 91 each right-of-way monuments

Plans and specifications obtainable from above office upon deposit of $10.

AWARD

LINN COUNTY, Oregon.—Fred H. Slate, Multnomah, Oregon, at $108,-510 (Metal pipe throughout) awarded contract by the Bureau of Public Roads, Portland, for constructing or improving the Santiam Highway Grading Project FHEC 23-H1. 1. National Forest Road Project, located within the Willamette National Forest, Linn County, Oregon. * 9

BIDS WANTED

MODOC COUNTY, Cal.—Until October 25, 2 p. m., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Federal Lands Highway Project No. 6, the Lava Beds Highway, Modoc County, and Section C of Route 11, the Lava Beds National Forest Highway, Modoc County. The work involves:

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA
POST STREET AT STOCKTON
SAN FRANCISCO

Phone TRinity 0241 for —Consolidated Rock Products Co.
Rock-Sand-Gravel-Plaster
Cement-Mixed Mortar-Stucco
Lath-Lime Putty-Reinforcing Steel
656 S. Los Angeles St. Los Angeles, Calif.

1) 17,700 c.y. unclassified excavation.
2) 132,000 c.y. do. for borrow.
3) 90 c.y. do. for structures.
4) 24,200 sta. yds. overhaul.
5) 143,400 c.y.-mi. borrow haul.
6) 7,496 mi. finishing earth graded road.
7) 114 l.f. C. M. pipe.
8) 35 c.y. concrete.
9) 2,635 lbs. reinforcing steel.
10) 14 each right of way monuments.
Plans and specifications obtainable rom the above office upon deposit of 10.

IDS OPENED

FERRY COUNTY, Wash. — March onstruction Co., 1928 W. 2d, Spokane, t $37,818 submitted low bid to the . S. Bureau of Public Roads, 316 New ostoffice Bldg., Portland, October 5, or constructing or improving the Re- ublic-Kettle Falls Surfacing Project R-20-A1, B1, National Forest Road roject, located within the Colville ational Forest, Ferry County, Wash- gton. The length of the project is pproximately 7.137 miles (including ye).

Complete bids follow:

arch Constr. Co., Spokane.....$37,818
arl Nyberg, Spokane..... 38,158
aterne Bros., Spokane..... 39,150
oslin & McAllister, Spokane..... 42,727
ax J. Kuney, Spokane..... 42,782
red G. Redmon, Yakima..... 43,427
riangle Constr. Co., Spokane..... 43,791
. Romane Engr. Corp., Saettle 53,392

All bids held under advisement.

IDS WANTED

COCONINO COUNTY, Arizona. — ntil October 25, 10 a. m., bids will e received by the Bureau of Public oads, 802 Title & Trust Bldg., Phoe- x, Arizona, for grading and placing lected material sub-grade reinforce- ent on Section B of Route 3, the lagstaff-Clints Well National Forest ighway, Coconino National Forest, oconino County, Arizona.

The length of the project is approxi- ately 7.563 miles, and the work in- lves:

1) 42 A. clearing.
) 20,500 cu. yds. unclassified excav.;
3) 46,000 c.y. do. for borrow.
4) 600 c.y. do. for structures.
5) 3,100 sta. yds. overhaul.
6) 16,200 c.y.-mi. borrow haul.
7) 21,000 c.y. subgrade reinforce- ment.
8) 1094 l.f. C.M.P. in place.
9) 176 l.f. remove and stockpile ex- isting C.M. Pipe.
0) 210 c.y. cements rubble masonry.
1) 133 c.y. concrete.
2) 14,200 lbs. reinforcing steel.
3) 0.7 MFBM untreated timber.
4) 23,000 l.f. Type 1 protection ditch.
5) 4 each cattle guard in place.
6) 3550 l.f. remove and reset fence.
7) 4 each right of way monuments.

Plans and specifications obtainable om the above office or from the Bu- au of Public Roads, 807 Sheldon dg., 461 Market., San Francisco, up- deposit of $10.

ONTRACT AWARDED

MARIN COUNTY, Cal.—Union Pav- g Co., Call Bldg., San Francisco, at 9,750 awarded contract by the State ighway Commission, Sacramento, for out 0.3 miles of slide removal in arin County between Greenbrae and to.

ONTRACT AWARDED

PLACER COUNTY, Cal. — T. M. organ Paving Co., Loomis, at $7315 arded contract by the State High- y Commission, Sacramento, for bout 0.6 mile of surfacing with bi- minous treated crushed gravel or one in Placer County in the City Roseville, between Church St.and northerly city limits.

BIDS OPENED

GRANT COUNTY, Ore. — Fred H. Slate, Multnomah, Oregon, at $58,983 (metal) and $59,181 (concrete) submitted low bid to the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, October 5, for constructing or improving 1.432 miles of the Canyon City-Burns Reconstruction Grading Project FHEC-35-A2, National Forest Road Project, located within the Malheur National Forest, Grant County. Complete bids follow:

Fred H. Slate, Multnomah, (1) concrete $59,181, (2) metal $58,983.
Dunn & Baker, Klamath Falls, (1) $63,477, (2) $63,257.
Coos Bay Construction Co., Portland, (1) $64,137, (2) $64,016.
Tony Marrazzo, Idaho City, Idaho, (1) $65,362, (2) $65,252.
J. A. Terteling & Sons, Boise, Idaho, (1) $66,506, (2) $66,341.
Earl McNutt, Eugene, (1) $66,926, (2) $65,794.
Kern & Kibbe, Portland, (1) $67,889, (2) $67,724.
Morrison-Knudsen Co., Boise, (1) $69,-189, (2) $68,991.
E. C. Hall, Eugene, (1) $69,764, (2) $69,709.
George F. Price, Dayton, Washington, (1) $73,884, (2) $73,422.
F. C. Dillard, Medford, (1) $75,251, (2) $75,141.
Colonial Constructon Co., Spokane, (1) 77,334, (2) $77,279.
A. C. Greenwood, Portland, (1) $78,-646, (2) $78,536.
Theo. Arenz, Portland, (1) $87,104, (2) $86,884.
G. I. Stebbens Construction Co., Klamath Falls, (1) $88,980, (2) $88,863.

BIDS OPENED

CHELAN COUNTY, Wash. — C. L. Creelman, 1079 25th N., Seattle, at $103,447 submitted low bid to the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, October 5, for constructing or improving the Stevens Pass Highway Reconstruction Grading & Advanc Clearing Project NR-8-A4, National Forest Road Project, located within the Wenatchee National Forest, Chelan County, Washington. The length of the project is approximately 1,5818 miles grading, and 3.163 miles clearing.

Complete bids follow:

C. L. Creelman, Seattle.....$103,447
Colonial Bldg. Co., Spokane..... 103,523
J. D. Harms, Inc., Seattle..... 107,536
Myers & Goulter, Seattle..... 108,394
A. Del Guzzo, Seattle..... 109,365
George V. Nolte, Bellingham..... 111,942
Alex Besoloff, Seattle..... 115,847
James Coyle, Seattle..... 116,423
James Borin, Portland..... 116,748
Siems-Spokane Co., Spokane..... 122,720
L. Romano Engineering Corp., Seattle 124,961
A. C. Greenwood, Portland..... 125,813
Max J. Kuney, Spokane..... 129,504
Goodfellow Bros., Wenatchee..... 136,097
Columbia Power & Investment Co., Stevenson, Wash..... 140,333

CONTRACT AWARDED

ARIZONA STATE.—George W. Orr, El Paso, Texas, at $316,938.38 awarded contract by the Arizona State Highway Commission, Phoenix, for highway construction on the Globe-Sholow Highway, NRH 99-G (AFE 6054). The work consists of 4 miles of grading and draining.

CONTRACT AWARDED

PLUMAS COUNTY, Calif.—Frank C. Cuffe, Box 441, San Rafael, at $85,-481.92 awarded contract for the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market Street, San Francisco, for grading Section A of Route 20, the Almanor National Forest Highway, Plumas National Forest, Plumas County.

CONTRACT AWARDED

ELDORADO COUNTY, Calif.—Hein Bros. Basalt Rock Co., P. O. Box 162, Petaluma, at $66,968.50 awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A (portion) of Route 32, the Placerville-Lake Tahoe National Forest Highway, Eldorado National Forest, Eldorado County, a length of 0.962 miles.

CONTRACT AWARDED

SANTA CLARA COUNTY, Calif.— A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $1,420 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for the Improvement of Blaney Avenue.

L. F. Plazza, San Jose, at $1918 submitted the only other bid.

BIDS OPENED

SAN FRANCISCO—Meyer Rosenberg 255 Bay Shore Blvd., San Francisco, at $1,735.02 submitted low bid to M. J. White, Custodian, U. S. Marine Hospital, 14th Avenue and Lake St., San Francisco, for grading, excavation ,placing loam, crushed rock, construction of macadam driveway, removal of trees, rock shoulder protection, 2" crushed rock border adjacent to existing pavement, etc., at the Marine Hospital. The other bids were:

Plombo Bros, S. F.....$2,097.00
E. J. Treacy, San Francisco..... 2,450.00
Devencenzi Bros., S. F..... 3,182.25

Bids held under advisement.

VISALIA, Cal. — Until October 22, 7:30 P. M., bids will be received by the Visalia Union High School Dist. for furnishing one school bus with chassis and body complete of the type designated as transit or urban double end coach, to be of complete unified design with specifications as follows: Motor not less than 110 h. p., Timken front and rear axles, rear axle full floating type, Budd disc wheels, dual in rear with one extra wheel, tires 900x20, Westinghouse air brakes, body capacity to seat 49 high school pupils, not including jump seats.

Certified check for 10% must accompany each bid. E. E. Baker, clerk

BIDS WANTED

YAKIMA CO., Wash.—Until Oct. 23, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for widening with Portland cement concrete and retopping existing pavement with asphaltic cocrete about 0.6 of a mile of State Road No. 3 in the City of Union Gap, U.S.P.W. Project NRM 194-F (1935) in Yakima County.

The work involves about 2,870 c.y. excavation, 7,700 sq. yds. Portland cement concrete pavement, 541 tons asphaltic concrete, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

PLANNED

STOCKTON, San Joaquin Co., Cal. The Stockton City Council has adopted a resolution of intention to improve portions of Wilson Way between Anderson and Jefferson Streets, including grading, paving with asphalt concrete and constructing concrete curb and gutter. Protests will be heard at a meeting Oct. 15, 8 P. M.

ALAMEDA, Cal.—Until October 16, 8 P. M., bids will be received by the Alameda City Council, D. Elmer Dyer, City Clerk, for furnishing one thousand gallon triple combination pumping engine.

Specifications obtainable from the above office.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

ARIZONA — 6.2 MILES SURFACING — (STATE)

ARIZONA STATE — N. G. Hill & Co., 1145 West Culver St., Phoenix, at $39,276.98 submitted low bid and was awarded contract by Arizona State Highway Commission, Phoenix, Oct. 3, for highway construction on the Ashfork-Kingman Highway, N.R.H. 80-J. The work, which is to begin at a point about 7¼ miles west of the Town of Peach Springs and is to extend southwesterly about 6.2 miles, consists of aggregate base course and oil processing (road mix method). The work involves:

(1) 2000 cu. yds. stripping pits;
(2) 174 M. gals. sprinkling CIP;
(3) 13,674 cu. yds. aggregate base course;
(4) 35,043 cu. yds. mi do haul;
(5) 527 cu. yds. shoulder material;
(6) 1350 cu. yds. mi. do haul;
(7) 6754 cu yds. mineral aggregate CIP;
(8) 121,579 gals. road oil (road mix) CIP;
(9) 122 tons emulsified asphalt (seal coat) CIP;
(10) 6.208 mi. processing road mix;
(11) 531 cu. yds. screenings CIP;
(12) 64.840 lin. ft. standard line fence CIP;
(13) 300 cu. yds. stockpiled aggregate CIP.

Total bids follow:

(A) N. G. Hill & Co., Phoenix, $39,276.98.
(B) M. O. Packard Jr., PJhoenix, $44,009.45.
(C) Pleasanton - Hasler Constr. Co., Phoenix, $45,037.06.
(D) Pearson & Dickerson Contractors Inc., Prescott, $47,063.61.
(E) Martin Bros. Wrecking Co., Long Beach., Calif., $47,307.68.
(F) R. C. Tanner and W. E. Hall Co., Phoenix, $46,701.17.
(G) Heuser & Garnett, Glendale, California, $50,144.82.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1).....	$ .30	$ .24	$ .25	$ .25	$ .40	$ .25	$ .30
(2).....	3.00	3.50	3.50	3.50	3.50	4.00	3.25
(3).....	.70	.50	.67	.62	.70	.80	.80
(4).....	.09	.12	.11	.12	.10	.12	.13
(5).....	.70	.60	.67	.62	.70	.80	.80
(6).....	.09	.12	.11	.12	.10	.12	.13
(7).....	.90	1.30	1.28	1.09	1.30	1.08	1.45
(8).....	.052	.0625	.06	.08	.058	.06	.07
(9).....	27.00	28.00	29.00	29.00	27.00	29.00	28.00
(10).....	500.00	700.00	500.00	700.00	650.00	650.00	600.00
(11).....	4.00	5.00	4.50	4.75	5.50	4.85	4.00
(12).....	.055	.065	.07	.07	.08	.065	.07
(13).....	1.50	1.30	.3.00	2.50	3.50	2.75	2.60

COCONINO CO., ARIZ.—3.16 MI. GRADING—(GOVT.)

COCONINO CO., Arizona.—Skousen Bros., Albuquerque, N. M., at $44,577.40, as previously reported, submitted low bid and recommended for award of contract by the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, October 2, for grading Section E of the Cameron - Desert View Approach to Grand Canyon National Park, Coconino Co., Ariz.

Complete bids follow:

(A) Skousen Bros., Albuquerque, $44,577.40.
(B) M. O. Packard, Jr., Phoenix, $45,175.00.
(C) H. J. Hagen, Globe, $47,400.0.
(D) Pearson & Dickerson, Contractors Inc., Prescott, $47,552.80.
(E) O. F. Fisher, Phoenix, $48,798.18.
(F) G. R. Daley and Vinson & Pringle Phoenix, $51,756.88.
(G) Engineer's estimate, $51,478.70.

Unit quantities follow:

(1) 20,200 c.y. unclass. excav.;
(2) 25,000 c.y. do, borrow;
(3) 510 c.y. do, structures;
(4) 1,000 sta. yds. overhaul;
(5) 8,700 c.y. mi. borrow haul;
(6) 3.164 miles finishing earth graded road;
(7) 84 l.f. 18-in. CMP;
(8) 574 l.f. 24-in. CMP;
(9) 236 l.f. 36-in. CMP;
(10) 42 l.f. 48-in. CMP;
(11) 38 c.y. Class A concrete;
(12) 77 c.y. Class D concrete;
(13) 217 c.y. masonry;
(14) 24,000 lbs. reinf. steel;
(15) 390 lbs. bronze bearing plates;
(16) 99 l.f. steel hand rail in place;
(17) extra work, obliterating existing roads.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1).....	$ .93	$ .78	$ .90	$ .87	$ .95	$ .95	$ 1.00
(2).....	.32	.41	.40	.38	.40	.47	.50
(3).....	2.00	2.50	2.00	3.00	2.50	2.60	200
(4).....	.04	.04	.10	.03	.04	.05	.03
(5).....	.30	.30	.40	.35	.30	.34	30
(6).....	100.00	400.00	200.00	200.00	400.00	320.00	300.00
(7).....	2.50	2.10	2.00	3.00	2.37	2.35	2.50
(8).....	3.00	3.20	3.00	4.50	3.25	3.50	3.50
(9).....	6.00	5.90	6.00	7.00	5.75	6.40	575
(10).....	10.00	8.70	8.50	10.50	8.25	8.50	8.00
(11).....	28 00	27.00	30.00	28.00	30.00	30.00	30.00
(12).....	30.00	27.00	31.00	29.00	30.00	33.00	32.00
(18).....	19.00	19.50	17.00	18.00	20.00	21.00	20.00
(14).....	.06	.065	.08	.08	.07	.075	.055
(15).....	.65	.81	.75	.50	.60	.45	25
(16).....	3.50	5.00	4.00	5.00	4.50	6.90	4.00
(17).....	500.00	500.00	500.00	500.00	500.00	500.00	500.00

October 10, 1934

BIDS OPENED

WHITE PINE and Nye Counties, Nev.—Dodge Construction, Inc., Fallon, Nevada, at $121,716 submitted the low bid to the Bureau of Public Roads 807 Sheldon Bldg., 461 Market Street, San Francisco, for 12.216 miles of grading and placing crushed gravel base course on Section A of Route 12, the Midland Trail (Currant Creek) National Forest Highway, Nevada National Forest and Section C of Federal Lands Highway Project No. 1 (part of Midland Trail) Ely-Tonopah Highway in White Pine and Nye counties, Nevada. The work involves:

(1) 114.900 c.y. unclass. excav.;
(2) 15,450 c.y. do, for borrow;
(3) 1,500 c.y. do, for structures;
(4) 137.700 sta. yds. overhaul;
(5) 12,400 c.y. mi. borrow haul;
(6) 1,012 l.f. 18-in. CGMP;
(7) 346 l.f. 24-in. CGMP;
(8) 176 l.f. 30-in. CGMP;
(9) 1867 l.f. remove and relay or stockpile existing CMP;
(10) 31 c.y. Class A concrete;
(11) 114 c.y. Class B concrete;
(12) 28 each remove and reset headwalls;
(13) 126 each demolish headwalls;
(14) 3,800 lbs. reinforcing steel;
(15) 18.7 MFBM treated timber;
(16) 106 sq. yds. asph. plank wearing aurface;
(17) 122 each culvert markers;
(18) 5.850 l.f. diversion ditch;
(19) 34,300 tons crushed gravel base course;
(20) 900 tons supplemental crushed gravel;
(21) 2 each right of way monuments;
(22) extra work, remove and reconstruct bridge at Station 250;
(23) extra work, right of way cleanup.

Total bids follow:

(A) Dodge Construction, Inc., Fallon, Nevada, $121,716.00.
(B) W. W. Clyde & Co., Springville, Utah, $122,784.25.
(C) Utah Const. Co., Ogden, $129,666.60
(D) Isbell Const. Co., Carson City, Nevada, $153,860.70.
(E) Engineer's estimate, $121,891.90.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1).....	$ .55	$ .60	$ .63	$ .60	$ .50
(2).....	.20	.35	.25	.40	.35
(3).....	1.50	1.25	1.50	1.50	1.50
(4).....	.02	.02	.03	.02	.02
(5).....	.25	.25	.40	.25	.20
(6).....	3.00	2.00	1.80	2.25	2.15
(7).....	4.00	3.00	2.75	3.00	3.35
(8).....	5.00	4.00	3.50	4.00	4.25
(9).....	1.50	.75	1.00	1.10	1.00
(10).....	30.00	30.00	33.00	.35	30.00
(11).....	30.00	28.00	30.00	.35	30.00
(12).....	10.00	10.00	15.00	10.00	10.00
(13).....	5.00	5.00	4.00	5.00	2.50
(14).....	.10	.07	.075	.10	.10
(15).....	120.00	110.00	120.00	135.00	120.00
(16).....	5.00	3.00	4.00	3.00	4.00
(17).....	5.00	3.00	2.50	4.25	3.00
(18).....	.15	0.5	.10	.18	.15
(19).....	.80	.75	.75	1.50	1.00
(20).....	.75	.75	.75	1.25	.95
(21).....	5.00	5.00	5.00	5.00	4.50
(22).....	700.00	700.00	700.00	700.00	700.00
(23).....	500.00	500.00	500.00	500.00	500.00

All bids held under advisement.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. Meyer Rosenberg, Inc., 255 Bayshore Blvd., San Francisco, at $3,263 submitted low bid and was recommended for award of contract by the Constructing Quartermaster, Hamilton Field, for the construction and completion of a drainage ditch at Hamil-

ton Field, under Spec. No. 6754-35-3.
Total bids follow:
(A) Meyer Rosenberg, San Francisco, $3,263.00.
(B) Dutton Dredge Co., San Francisco $3,860.00.
(C) Frank J. Main, Fairfax, $4,180.00.
(D) R. A. Farish, San Francisco, $4,-200.00.
Quantities were:
(1) 11,000 c.y. ditch excavation;
(2) overhaul per sta. yd. beyond free haul of 300 ft.
Unit bids follow: .....

	(A)	(B)	(C)	(D)
(1).....	$0.275	$0.28	$0.38	$0.33
(2).....	.015	.02	.02	.02

All bids forwarded to Washington for award. 32

BIDS OPENED

SACRAMENTO, Cal.—M. A. Jenkins 3560 Y St., Sacramento, at $4,413.00 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Sacramento, under Spec. 6707, for the construction of the Tisdale Weir abutments and for connecting abutments to existing levees by earth embankments. The weir is on the east side of the Sacramento river downstream about 10 miles from Meridian.
Total bids follow:
(A) M. A. Jenkins, Sacramento, $4,-467.30.
(B) Lord & Bishop, Sacramento, $4,-467.30.
(C) O. G. Ritchie, San Jose, no total.
(D) Nevis & Harp, Santa Clara, $5,-738.00.

Unit quantities follow:
(1) 130 c.y. excavation;
(2) 750 l.f. piling in place;
(3) 103 c.y. concrete;
(4) 6,400 lbs. reinforcing steel;
(5) 4,000 c.y. embankment;
(6) 10 c.y. gravel base;
(7) 60 tons rock revetment.
Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$ 1.25	$ .75	$ .75	$ 1.50
(2).....	1.25	1.50	1.75	1.50
(3).....	16.00	17.00	17.00	20.00
(4).....	.05	.042	.055	.045
(5).....	.28	.25	.40	.36
(6).....	3.00	3.00	2.00	3.00
(7).....	3.25	3.25	3.50	10.00

All bids held under advisement.

BIDS REJECTED

BERKELEY, Cal.—Ransome Co., 4030 Hollis St., Emeryville, at $4396.50 submitted low bid to the Berkeley City Council for improving Shattuck Ave., between Bancroft and Carlton Sts. All bids were rejected as excessive and the project will be readvertised. The work involves:
(1) 16,000 sq. ft. grading;
(2) 10 cu. yds. grading below subgrade;
(3) 13,700 sq. ft. asph. concrete pavement;
(4) 1000 sq. ft. resurfacing;
(5) 325 lin. ft. concrete curb;
(6) 2 each, junction boxes, reconstructed.
(A) Ransome Co., Emeryville, $4396.50
(B) Independent Constr. Co., Oakland, $4504.
(C) Heafey-Moore Co., Oakland, $4827
Unit bids follow:

	(A)	(B)	(C)
(1).....	$ .05	$ .05	$ .05
(2).....	1.00	1.50	1.50
(3).....	.21	.22	.225
(4).....	.07	.09	.12
(5).....	.50	.60	.50
(6).....	28.50	25.00	20.00

ARIZONA — 13.7 MILES SURFACING — (STATE

ARIZONA STATE—Arizona Sand & Rock Co., P. O. Box 1522, Phoenix, at $83,721.20 submitted low bid & awarded contract by Arizona State Highway Commission, Phoenix, October 3, for highway construction on the Holbrook-Lupton Highwty, NRH 83-E (A. F.E. 6621). The work, which begins about 40 miles east of Holbrook and exaends easterly about 13.7 mi., consists of aggregate base course and oil processing. The work involves:
(1) 1500 cu. yds. stripping pits;
(2) 7692 cu. yds. aggregate base course CIP;
(3) 149,343 sq. yds. reshaping road surface;
(4) 447 M. gals. sprinkling CIP;
(5) 4252 cu. yds. shoulder material CIP;
(6) 20,565 tons plant mix (include haul;
(7) 1030 tons cut-back asphalt (plant mix and seal coat) CIP;
(8) 13,674 mi. placing plant mix;
(9) 1173 cu. yds. screenings CIP;
(10) 400 sq. yds. placing intersections

NON-FEDERAL AID

(11) 50 tons stockpiled plant mix (CIP except cut-back asphalt);
(12) 200 cu. yds. stockpiled aggregate CIP.
Total bids follow:
(A) Arizona Sand & Rock Co., Phoenix, $83,721.29.
(B) R. C. Tanner and W. E. Hall Co., Phoenix, $84,888.15.
(C) Southern California Roads Co., Los Angeles, $89,448.22.
(D) Pleasant - Hasler Constr. Co., Phoenix, $92,360.37.
(E) Heuser and Garnett, Glendale, Calif., $94,217.65.
(F) Pearson & Dickerson Contractors Inc., Prescott, $98,188.82.
(G) Phoenix-Tempe Stone Co., Phoenix, $116,762.42.
Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1).....	$ .25	$ .25	$ .25	$ 25	$ .35	$ .28	$ .25
(2).....	1.92	1.20	1.30	1.23	1.24	1.30	1.75
(3).....	.005	.005	.0075	.0025	.015	.005	.005
(4).....	3.00	4.00	3.26	3.50	2.70	3.00	2.50
(5).....	1.39	1.32	1.30	1.45	1.40	1.30	1.75
(6).....	1.59	1.37	1.68	1.80	1.75	1.95	2.60
(7).....	25.00	28.00	27.00	26.00	29.00	29.00	28.50
(8).....	300.00	250.50	250.00	300.00	270.00	350.00	200.00
(9).....	2.00	5.00	3.50	4.75	4.00	3.75	5.00
(10).....	.15	.29	.20	.15	.15	.15	.25
(11).....	1.75	2.30	2.00	4.00	1.90	3.75	2.60
(12).....	1.35	2.00	3.00	2.30	1.24	2.50	2.00

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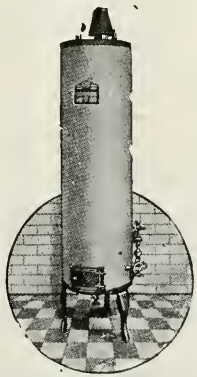

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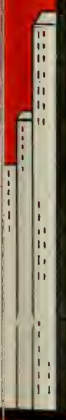

XVII—No. 42

OCTOBER 20, 1934

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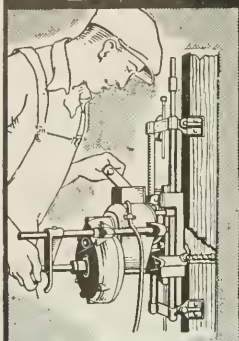

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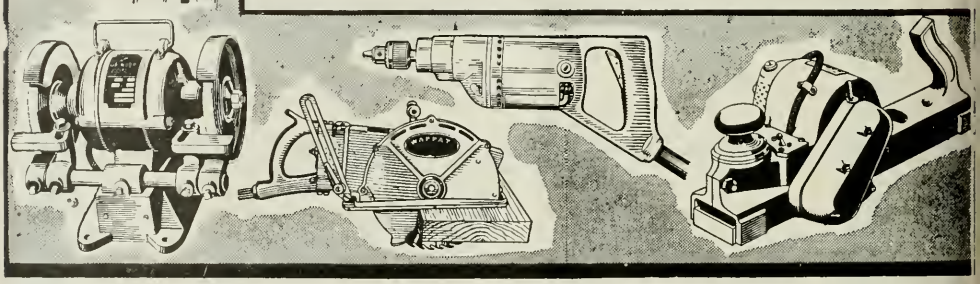

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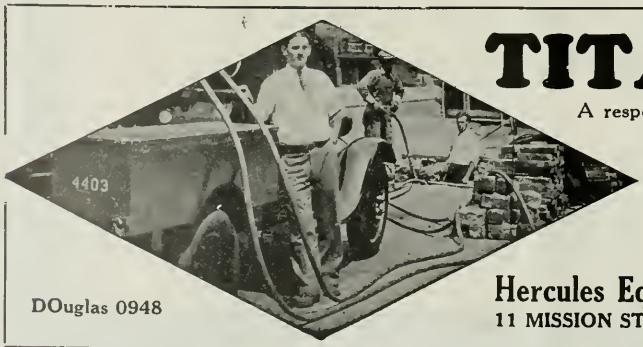

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Vol. XVII SAN FRANCISCO, CALIF., OCTOBER 20, 1934 No. 42

ASK BIDS ON ELEVATORS FOR BRIDGE TOWERS

Golden Gate Directors Will Take Figures October 31 on $40,000 Contract

Bids for installation of service elevators in each of the two towers of the Golden Gate bridge have been called by the board of directors and will be received October 31 at their meeting in San Francisco.

The contract will be of interest to all manufacturers of elevators, according to Chief Engineer Joseph B. Strauss. Specifications may be met by any manufacturer capable of handling a contract of this size, Mr. Strauss said. The cost of installation will be between $30,000 and $40,000, it is estimated.

The unusual lift involved, more than 700 feet, will make the installation unique on the Pacific Coast. One elevator is to be placed in each tower.

The past week's construction on the Golden Gate bridge was marked by the berthing of the huge caisson in the fender at the San Francisco tower site and its removal and abandonment after the contractors had decided it would menace the fender structure, itself, due to heavy seas. The pier will be erected within the fender, without use of the caission, it has been decided with the approval of Chief Engineer Strauss. Work of closing the fender by concreting the eight remaining units was started immediately after removal of the caisson.

It is anticipated that the fender ring will be completed before the end of the week.

UTILITIES COMMISSION LETS LEVEE CONTRACT

The San Francisco Public Utilities Commission yesterday awarded a contract for construction of a levee at the city airport to Piombo Brothers and Company, 1571 Turk Street, San Francisco. Amount of the contract was $78,280.

The work involves approximately 140,000 cubic yards levee construction and 10,000 feet board measure spillway construction.

MATERIAL PRICES SLIGHTLY LOWER

Building material prices declined fractionally in the week ending September 29, according to the weekly survey by the U. S. Bureau of Labor Statistics. Brick and tile, cement, lumber, structural steel and plumbing and heating materials showed no change. Items registering price decreases were Chinawood oil, linseed oil and turpentine. The bureau index was 85.3, the lowest point of the year and only slightly above the level of the corresponding week in 1933 when it was at 83.2. The price average is 11 percent below the 1929 average.

Code Authorities Of Eastbay Form Coordinating Board

Code authorities for the construction industry in Oakland and neighboring cities have organized the Eastbay Construction Divisions Conference, having for its purpose the same functions as the San Francisco Conference.

Both groups are composed of representatives from the code authorities and the trade associations of the building industry, which meet regularly to discuss code enforcement and to coordinate the activities of each code agency toward uniform compliance. Mano Zan, the code coordinator of the State Contractors' License Bureau, is chairman of the San Francisco conference. Herbert Schulz, district inspector for the bureau has been named chairman of the Eastbay conference. George Eldgidge, executive secretary for the Electrical Contractors Association of the Eastbay, is secretary.

Committee chairmen are: Frank Mero, code authority for the Master Plumbers, procedure; Harry McManus, code authority for the Master Painters, code coordination V. D. Bronson, chairman of the Electrical Contractors Administrative Committee, District Two, bid depositories.

CITY RECEIVES BIDS ON THREE PWA CONTRACTS

Open Proposals on Main Extensions, University Mound Excavation & Embankment

The San Francisco Public Utilities Commission yesterday opened bids on three contracts for improvements to the city's water system. The projects are a part of San Francisco's PWA financed program of waterworks improvements.

Granfield-Farrar & Carlin, at $97,025 submitted low bid for excavation and embankment for the University Mound Reservoir. Second low figure was submitted by Peninsula Paving Company, at $121,887.

The work involves approximately 250,000 cubic yards excavation and disposal of surplus material, construction of 170,000 cubic yards of embankment, 1500 feet of tile drain providing and operating rolling equipment for 1500 hours, moving the caretaker's residence, and other items.

Total bids submitted were as follows:

Granfield-Farrar & Carlin	$ 97,025
Peninsula Paving Company	121,887
MacDonald & Kahn, Ltd.	142,650
Fredrickson & Watson Co.	149,800
Sibley Grading & Teaming Co., Ltd.	164,650

On a contract for laying six- and eight-inch cast iron mains in the area from Ocean Avenue to Alemany Boulevard and from Junipero Serra Boulevard to Lee Avenue, Lowrie Paving Company, Inc., submittted low figure, at $41,687.

Total bids received on this project were as follows:

Lowrie Paving Co., Inc.	$41,687
Pacific Pavements Co., Ltd.	43,086
E. J. Treacy	48,395
Fay Improvement Co.	56,148
M. J. Lynch	58,746

On the third project Pacific Pavements Company, Ltd., submitted low bid at 37,688. This contract calls for laying six- and eight-inch mains in the area from Division Street to Esmeralda Avenue and from Mission Street to Iowa St. Other bids were submitted by Fay Improvement Company at $50,629, and Lowrie Paving Company, at $77,161.

GARREN HEADS ARCHITECTS OF NORTHERN CAL.

State President to be Named; Convention Features Housing Program

Ending one of the most successful conventions of its history the State Association of California Architects adjourned the annual session in San Francisco on Saturday.

Architects attending the annual meeting expressed their appreciation of the program arrauged by W. I. Garren, chairman of the program committee, which centered in an examination of the Federal Housing Program. The Producers' Council cooperated with the architects in preparing material for the session.

Five group meetings held Thursday conducted discussions of housing under the topics: Demolition and Re-housing; Modernization; New Homes; Building Costs; Credit and Finauce.

The group chairman reported the conclusions of each group at a symposium meeting Friday afternoon, which was attended by many members of the building industry.

The annual banquet was held Friday night at the Fairmont. Architect Harris Allen acted as chairman of the evening. A short business session Saturday morning concluded the convention.

Announcement of the new state officers of the association, usually made at the banquet, was deferred due to the failure of the Southern Section of the Association to complete election of its new officers. The Southern Section president will become president of the state association automatically. Officers of the Northern Section were elected as follows: William I. Garren, president; A. Appleton, vice-president; Ellsworth Johnson, secretary Harry Michelsen, treasurer. These four are members of the board of directors, together with C. J. Ryland, Harry J. Devine, Raymond W. Jeans and Birge M. Clark.

The committee on professional betterment was directed to study increased costs for architectural services occasioned by operation of the Field and Riley acts in the state of California. The committee will determined whether or not a higher fee should be charged in order to cover the expenses of design necessary to comply with the Riley act, which establishes lateral stress resistence minima. Fees for design of school buildings were increased to 8 percent by the architects after passage of the Field act.

The architects endorsed the report of the joint committee of architects and contractors that regular hours be established for receipt of bids and that no bid openings be scheduled for Mondays or days following holidays.

Commission Advertises Five Contracts For Highway and Bridge Construction

SACRAMENTO, Oct. 9.—The State Highway Commission today called for bids on five highway construction and improvement contracts. Bids will be opened on three contracts in Sacramento October 31 and on the remaining two in Los Angeles November 1.

The work on which figures are asked include grading, paving, surfacing, and construction of two bridges and an undergrade crossing.

The projects are located as follows:

Sacramento County: Construction of two timber bridges near Walnut Grove, one across Georgiana Slough and the other across North Fork Mokelumne River. The work involves furnishing and driving 150 creosoted piles, 48,500 feet of lumber, 7200 pounds hardware, and other items. Bids will be opened in Sacramento October 31.

Santa Barbara County: Grading and paving with Portland cement concrete about 3.8 miles between Gaviota Creek and Nojoqui Creek. The work involves, among other major items, approximately 591,650 cubic yards unclassified roadway excavation, 2,570,000 station yards overhaul, 29,200 cubic yards imported borrow, 44,100 square yards subgrade for pavement, 8,835 cu. yds. Portland cement concrete pavement 222,000 pounds bar reinforcing steel 7,120 square yards paved gutters and aprons, 3,160 feet of perforated metal pipe underdrains, 4,168 feet of corrugated metal pipe, and 52,000 square yards mixing fuel oil on road approaches, detours and shoulders. Bids open in Sacramento October 31.

Kern County: Construction of an undergrade crossing under the Santa Fe tracks at Union Avenue in Bakersfield. Work involves construction of two concrete abutments with wing walls and a steel plate girder span, and grading and paving with Portland cement concrete approximately 0.26 mile of roadway. Bids will be opened in Sacramento October 31.

Los Angeles County: Grading and paving with asphalt concrete about 4.4 miles between Newhall Tunnel and Saugus. The work involves major items of approximately 1,700 cubic yards of unclassified roadway excavation, 19,500 cubic yards imported borrow, 6,500 square yards subgrade for pavement, 19,500 tons asphalt concrete, 45,000 sq. yds. of asphalt paint binder, and others. Bids open in Los Angeles Nov. 1.

San Diego County: Grading and surfacing with bituminous macadam on crusher run base about 1.9 miles in San Diego between the Military Reservation and Canon St. The work involves, among others, major items of approximately 21,000 cubic yards unclassified roadway excavation, 15,000 cubic yards imported borrow, 70,000 sta. yds. overhaul, 5,100 tons crusher run base, 3,250 tons broken stone bituminous macadam, and 21,000 sq. yds. preparing, mixing and shaping shoulders. Bids will be opened in Los Angeles November 1.

ASK BIDS ON THREE NEVADA ROAD PROJECTS

State To Open Proposals October 30 on Construction, Surfacing Contracts

Proposals for three highway construction and improvement contracts have been asked by the Nevada State Highway Directors, to be opened in Carson City October 30. Two contracts call for highway construction and the third for asphalt surfacing. The projects are located as follows:

Esmeralda County: Construction of about 23.2 miles of the state highway system, Route 3, between four miles west of Millers and Coaldale. The work involves major items of approximately 119,750 cu. yds. roadway excavation, 26,188 sta. yds. overhaul, 96,300 tons crushed gravel or stone surface, 669 cubic yards concrete, 59,900 pounds reinforcing steel, 2,492 feet of corrugated metal pipe, 23.63 miles subgrade, 23.64 miles finishing roadway, and others.

Douglas County: Construction of 4.73 miles of the state highway system, Route 3, between Cradlebaugh and Clear Creek. The work involves approximately 26,400 cubic yards roadway excavation, 44,136 station yards overhaul, 283 cu. yds. concrete, 38,500 pounds of reinforcing steel, 49,000 pounds structural steel, 4,800 feet of lumber, 492 feet of corrugated metal pipe, 12,200 tons plantmix crushed gravel or stone base, 8,800 tons plantmix asphalt surface, 441 tons type MC-3 or MC-4 asphalt road material, 6,947 gallons type SC-1A asphalt road material, watering, and subgrade and finishing roadway.

Nye County: Approximately 17 miles asphalt surfacing between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5. The work involves 305,398 gallons of asphalt road material, roadmix and finishing roadway.

Domestic pumps valued at $1,114,599 were shipped during the first eight months of 1934, as compared with $870,149 during the same period last year, according to statistics compiled by the Bureau of the Census.

$1,800,000 Alameda County Courthouse Plans Completed; Await PWA Approval

Working drawings and specifications have been completed for the Alameda County Courthouse and Hall of Records and are now being examined by engineers for the Federal Public Works Administration. Bids will be advertised by the Alameda County Board of Supervisors as soon as approval of the specifications is received from the PWA, which is expected within a week.

The building is being constructed with funds from a bond issue of $1,712,000 and a PWA grant of $462,000. The estimated cost of the structure itself is $1,800,000.

It was designed by a board of architects composed of Will G. Corlett, Henry A. Minton, James W. Plachek, Wm. E. Schirmer and Carl Werner. G. M. Simonson is consulting engineer for the electrical and mechanical work.

The structure will be of steel frame with reinforced concrete walls. It will have twelve floor levels above the ground floor. First and second floors are 176 by 245 feet and the floors from the third up are 116 feet square.

The building has been planned to have the simplicity and efficiency of a practical office building in economy of space and circulation as well as architectural treatment, dependent upon pleasing mass, form and dignity without the use of expensive materials and elaboration of ornament, decoration or detail.

Those departments where large numbers of citizens conduct business will be located on the lower floors; court rooms and their adjuncts are to be located on the upper floors. Entrance will be from Fallon, Twelfth and Thirteenth Sts.

On the first floor will be the treasurer, tax collector, assessor, recorder, auditor, county superintendent of schools, county development commission, general information.

Below this will be the ground floor, where will be located an automobile underpass for the safe transfer of prisoners bound for the courts, the bureau of weights and measures, mosquito abatment district, the county library and the agricultural commission offices.

On the second floor will be the Alameda County Board of Supervisors chamber, public office and committee room, the county clerk, surveyor, civil service commission, purchasing agent and the law library. The next floor above accommodates individual offices of the supervisors, the accounting department and the pressroom. The law library extends through two floors from the floor below and has a mezzanine floor.

The third floor will be known as the first court room floor and will contain four civil court rooms, together with judges chambers, ante rooms and witness rooms. The court rooms extend two stories in height, each shut off from the public lobby by vestibules.

Adjuncts of the court rooms on the third floor, such as jury rooms and rooms for court reporters and transcribers, will occupy the fourth floor. Fifth floor quarters will consist of four court rooms, including that of the presiding judge, and adjuncts, a jury panel room and office for the presiding judge's secretary. Adjuncts of the fiifth floor court rooms will be found on the sixth floor, while on the seventh floor will be located two large criminal courts, with space for two additional courts. The public defender and public administrator will also be housed on these floors. Adjuncts of the criminal courts will be on the eighth floor, while the ninth floor will be given over to the district attorney, with space for all the departments required there, including an inspectors' squad room and its accessories.

The jail cells for prisoners on trial, the bureau of identification, teletype room, doctors' room, photographic headquarters and similar department will be on the tenth and eleventh floors, while the twelfth floor will house the elevator machinery, tanks and mechanical equipment for the ventilating system. Atop of this floor will be the observation tower, which may be reached by a flight of stairs. It will be 200 feet above the street level.

Bids probably will be taken for a general contract covering the entire job complete and for alternate proposals, deducting each of the following items: (1) jail equipment (2) excavation, structural steel and erection, elevators, mechanical; (3) excavation and foundation; (4) structural steel and erection; (5) elevators; (6) mechanical work.

WASHINGTON SCHOOL CONTRACTS AWARDED

The San Francisco Department of Public Works yesterday awarded the contract for construction of the George Washington High School to Meyer Construction Company, 735 Portola Drive, at $590,632. Lynn & Hefferman, at $56,510 received the electric work contract, and Anderson and Rowe, at $82,917, the mechanical equipment, gas fitting and plumbing. All three firms submitted low figures when bids were opened September 26.

COAST BUILDING GAIN REPORTED FOR SEPTEMBER

Increasing Permits Indicate FHA Stimulation of Small Jobs

Building on the Pacific Coast continued the upward trend started in August. The total for all principal cities of the seven western states, as reported by building inspectors, was $5,404,613, compared with $5,246,314 in August. This figure is approximately the same as that for September of 1933, which for the same group of reporting communities was $5,339,597.

A substantial increase in number of permits issued, however, is indicative of the spread of work among small property owners, probably stimulated by the Federal Housing Program. Few cities had actually commenced solicitation of work in September and the full benefits of this campaign will not be indicated in the building permits probably in less than ninety days. The number of permits issued in September increased to 7,271, the largest number reported for any month this year. It compares with 6612 in August and 6,502 in September, 1933.

The first jobs to be encouraged by the Federal campaign undouhtedly will be maintenance and repair work and equipment installations, which will not be reflected in the building totals. Alterations and additions, requiring inspection permits, probably will increase in proportion to the total in the latter stages of the campaign.

There were no exceptionally large permits reported during the month. Increases over the previous month's figures were reported by many cities.

Following are the ten leading cities ranked by value of work reported for the month of September:

BUILDING PERMITS

Los Angeles	$4,086,518
San Francisco	424,473
Pasadena	328,836
Portland	265,620
Santa Monica	194,039
Beverly Hills	171,613
Oakland	153,932
Long Beach	121 205
Seattle	108,530
Palo Alto	106,405

Offices of the divisional code authority for general contractors will be opened October 15 at Room 215, Gazette Building, Reno, in charge of Walker Boudwin.

The Nevada State Administrative committee is composed of Carl Dodge, Fallon, chairman; Walker Boudwin, Reno, vice-chairman, and C. V. Isbell, Carson City, treasurer. Floyd O. Booe, secretary of the California state administrative agency, also will act as secretary tor Nevada.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
510	Solari	Masarie	1000
511	Hansen	Owner	1200
512	Raffetto	Fracchia	6900
513	McKales	Spivock	6000
514	Tollini	Faggioni	4000
515	McKales	Spivock	1000
516	Piggly	Malloch	1000
517	Rose	Erickson	4000
518	Giovannini	Owner	2000
519	Butler	Owner	1600
520	Federated	Barrett	4000
521	Land	Owner	3500
522	White	Owner	3000
523	Samuels	McSheehy	4369
524	Petersen	Petersen	3000
525	Land	Owner	3500

ALTERATIONS
(510) SW PINE AND POLK STS. Alter store.
Owner—A. Solari, 3015 Franklin St., San Francisco.
Architect—Not Given.
Contractor — Masarie & Cuneo, 1285 Union St., San Francisco. $1000

REPAIRS
(511) NO. 22 RUDDEN ST. Repair fire damage to dwelling.
Owner—Walter E. Hansen, 455 Capistrano St., San Francisco.
Architect—Not Given. $1200

DWELLING
(512) S FRANCISCO STREET 169 W Baker St. One-story and basement frame dwelling.
Owner—William Raffetto, % Architect
Architect—Albert A. Schroepfer, 244 Kearny St., San Francisco.
Contractor—Fracchia & Trufelli, 2450 Chestnut St., S. F. $6900

STATION
(513) NE LOMBARD AND PIERCE Streetts. One-story steel service station.
Owner—McKale's Inc., 1600 Mission St., San Francisco.
Plans by Michel & Pfeffer, 10th and Harrison Sts., San Francisco.
Contractor—William Spivock, Hobart Bldg., San Francisco. $6000

DWELLING
(514) N HOLLISTER ST. 200 E Jennings St. One-story frame dwelling.
Owner—Mr. and Mrs. S. Tollini, 1174 Hollister St., San Francisco.
Architect—Not Given.
Contractor—C. A. Faggioni and J. Barsotti, 1567 Revere St., San Francisco. $4000

STATION
(515) NE LOMBARD AND PIERCE Streets. One-story steel greasing station.
Owner—McKale's Inc., 1600 Mission St., San Francisco.
Plans by Michel & Pfeffer, 10th and Harrison Sts., San Francisco.
Contractor—William Spivock, Hobart Bldg., San Francisco. $1000

ALTERATIONS
(516) NO. 232 O'FARRELL STREET. Alter store.
Owner — Piggly Wiggly Stores, 1000 Brannan St., San Francisco
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1000

DWELLING
(517) W MANOR DRIVE 200 N Ocean Ave. One-story and basement frame dwelling.
Owner—Walter V. Rose, 21 Eugenia St., San Francisco.
Architect—Not Given.
Contractor — Henry Erickson, 972 Chenery St., S. F. $4000

ALTERATIONS
(518) NO. 401 BROADWAY. Alter hotel and stores.
Owner—D. Giovannini and O. Sagentini, 2020 Alameda Ave., Alameda
Architect—Not Given. $2000

ALTERATIONS
(519) NO. 1914 SUTTER ST. Alter dwelling and funeral parlors.
Owner—Mrs. A. Butler, Premises.
Architect—Not Given. $1600

BUILDING
(520) NO. 75 FOLSOM ST. (Rear). Three-story Class C building.
Owner — Federated Metals Corp., 75 Folsom St., San Francisco.
Architect—Not Given.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco. $4000

DWELLING
(521) W TWENTY-SECOND AVE. 81 N Wawona St. One-story and basement frame dwelling.
Owner — Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given. $3500

ALTERATIONS
(522) SE SUTTER AND GRANT Ave. Alter department store.
Owner—The White House, Premises.
Architect—Not Given. $3000

REPAIRS
(523) NO. 214 VAN NESS AVENUE Repair fire damage to auto shop.
Owner—Samuels Estate, Mills Bldg., San Francisco.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace., S. F. $4369.28

DWELLING
(524) N TWENTY-SIXTH ST. 82 E Douglas. One-story and basement frame dwelling.
Owner—Olga Peterson, 4386 26th St., San Francisco.
Architect—Not Given.
Contractor—G. L. Peterson, 4386 26th St., San Francisco. $3000

DWELLING
(525) W TWENTY-SECOND AVE. 54 N Wawona St. One-story and basement frame dwelling.
Owner — Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given. $3500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
406	California	Leiter	8000
407	Dennis	Buckland	1952
408	Harry	Owner	1250
409	Lyon	Owner	3500
410	Gould	Owner	6000
411	Murra	Owner	1400
412	Madsen	Rose	1000
413	Roeth	Lindgren	7972
414	Scammell	Owner	4500

SHOP
(406) NO. 711 CAMELIA STREET, BERKELEY. One-story 2-room shop.
Owner—California Ink Co., Premises.
Architect—Not Given.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland. $8000

DWELLING
(407) NO. 6959 PASO ROBLES DR., OAKLAND. One-story four-room dwelling.
Owner—W. E. Dennis, 2322 Shattuck Ave., Berkeley.
Architect—Not Given.
Contractor—N. Buckland, 1735 68th Ave., Oakland. $1952

ALTERATIONS
(408) NO. 5802 LAWTON AVENUE, OAKLAND. Alterations and repairs and addition to garage.
Owner—Geo. K. Harry, 5332 Lawton Ave., Oakland.
Architect- Not Given. $1250

DWELLING
(409) NO. 15 VETERAN WAY, OAKLAND. Two-story six-room dwelling.
Owner—C. D. Lyon, 6501 Buena Ventura Ave., Oakland.
Architect—Not Given. $3500

DWELLING
(410) NO. 1665 THOUSAND OAKS, BERKELEY. Two-story 7-room frame dwelling and garage.
Owner—A. E. Gould, 1040 Ramona Ave., Berkeley.
Architect—Not Given. $6000

ALTERATIONS
(411) NO. 5701 AYALA ST., OAKLAND. Alterations.
Owner—Chas. Murra, Premises.
Architect—Not Given. $1400

REPAIRS
(412) NO. 5431 MILES AVE., OAKLAND. Fire repairs.
Owner—A. Madsen, Premises.
Architect—A. H. Rose, 478 25th St., Oakland. $1000

WAREHOUSE
(413) NO. 514 FIFTH ST., OAKLAND. One-story brick and concrete warehouse.
Owner—Roeth & Roeth, 514 Fifth St., Oakland.
Architect — Chas. F. B. Roeth, 2548 Cedar St., Berkeley.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland. $7972

DWELLING
(414) NO. 3732 ELSTON AVENUE, OAKLAND. One-story six-room dwelling.
Owner—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4500

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

97	McKales	Spivock	10590
98	Stelling	Young	1115
99	Ward	Dunn	190

SERVICE STATION
(97) PIERCE AND LOMBARD STS. All work for one-story service station including the 20-foot retaining wall, omitting super structure.
Owner—McKales, Inc.
Architect—Not Given.
Contractor—William Spivock, Hobart Bldg., San Francisco.
Filed Oct. 15, '34. Dated Oct. 13, '34.
In 3 payments according to how much work is completed on Nov. 1st and Dec. 1st. .....Balance
Usual 35 days.....
TOTAL COST, $10,590
Bond, $7493. Surety, U. S. Fidelity &

Guaranty Co. of Maryland. Limit, forfeit, plans and specifications, none.

ALTERATIONS
(98) NO. 2240 CHESTNUT ST. All work for alterations to store.
Owner—Martin Stelling Jr., 155 Montgomery St., San Francisco.
Architect—Francis A. Lloyd, 360 Pine St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Filed Oct. 16, '34. Dated Oct. 16, '34.
Upon completion 75%
Usual 35 days..... 25%
TOTAL COST, $1115
Bond, $1115. Surety, American Bonding Co. of Baltimore. Limit, 10 working days. Forfeit, none. Plans only filed.

RE-ROOFING
(99) NO. 1822 NINETEENTH AVE. and 1825 18th Ave. All work for re-roofing two buildings.
Owner—H. E. Ward, 1822 19th Ave., San Francisco.
Architect—Not Given.
Contractor—F. J. Dunn Roofing Co., 3597 Mission St., San Francisco.
Filed Oct. 17, '34. Dated April 20, '34.
TOTAL COST, $190
Bond, $190. Surety, Glens Falls Indemnity Co. Limit, forfeit, plans and specifications, none.

SAN FRANCISCO UNDER $1000

SIGN, electric, $250; 2128 Lombard St.; owner, Marina Curtain Laundry, Premises; contractor, Golden Gate Neon, 355 8th St.
ALTER store, $50; 5509 Geary St.; owner, Menjou Bros., Premises.
ALTER church, $800; 2409 Washington St.; owner, Bethel Armenian Church, Premises.
ALTER flats, $80; 1117-1119 Church; owner, Mrs. F. Girat, Premises; contractor, Thomas Brodie, Inc., 1281 Mission St.
BARBER pole, $40; 1054 Market St.; owner, E. R. Wiesner, 868 Noe; contractor, Daniel MBarch, 1335 Polk.
ALTER dwelling, $150; 3366 Sacramento St.; owner, S. Berger, 3366 Sacramento St.; contractor, M. H. Gnecco & Co., 36 Wood St.
ALTER restaurant, $500; 960 Bush St.; owner, Harry Etting, Prem.; contractor, M. E. Vukicevich, 666 Mission St.
SIGN, electric, $150; 972 Sutter St.; owner, Lucille Inn, Prem.; contractor, Golden Gate Neon, 355 Eighth St.
SIGN, electric, $150; 515 Balboa St.; owner, Bernice Beauty Salon, 515 Balboa; contractor, Laib, 7th and Folsom Sts.
ALTER store, $850; S Lombard 39 E Divisadero St.; owner, S. White, 550 Montgomery St.; contractor, H. H. Isaac, 517 Belvedere St.
ALTER dwelling, $200; 119 Grafton St.; owner, N. Gardener, 119 Grafton St.
SIGN, board, $75; 543 Van Ness Ave.; owner, Auto Electric Supply Co., Premises; contractor, L. Goldberg 1085 Golden Gate Ave.
ALTER store, $500; NE Stockton and Broadway; owner, Mercantile Properties Corp., 155 Montgomery St.; contractor, Young & Horstmeyer, 461 Market St.
FLUES (2) patent, $55; 1148 Ingerson St.; owner, Simicich, Premises; contractor, National Sheet Metal Works, 3168 Mission St.
ALTER flats, $450; 553-555 San Bruno Ave.; owner, Margaret Sharp, 555 San Bruno Ave.; contractor, Hanson Bros., 5840 Mission St.
ALTER flats, $200; 1520-1522 Sanchez St.; owner, C. J. Dinsmore, Route 1 Box 78, Gustine.
REPAIR fire damage to dwelling, $200 126 17th Ave.; owner, Thomas Pendergast, Premises; contractor, J. J. Irwin, 1040 Oak St.
ALTER apartments, $200; 1470 California St.; owner, E. H. Dettner, Sr., 955 Pine St.
SIGN, electric, $100; 2162 Polk St.; owner, Ramona Creamery, Prem. contractor, QRS Neon, 690 Potrero Ave.
SIGN, globe electric, $22.50; 1805 Haight St.; owner, Mr. Cofy, 1805 Haight St.; contractor, Century Elec. Constr. Co., 1552 Haight.
FLUE (1) patent, $131; 3971 26th St.; owner, P. O'Halloran, Premises; contractor, National Sheet Metal Works, 3168 Mission St.
SIGN, electric, $100; 2464 Mission St.; owner, Mr. Bloom, Premises; contractor, QRS Neon, 690 Potrero.
ALTER flats, $450; 547-549 San Bruno Ave.; owner, Margaret Sharp, 555 San Bruno Ave.; contractor, Hanson Bros., 5840 Mission St.
ALTER apartments, $100; 2030 Fell St.; owner, Mrs. F. P. Gamble, 2030 Fell St.
ALTER dwelling, $250; 2917 Octavia St.; owner, A. Cenqueni, 2917 Octavia St.; contractor, M. H Gnecco & Co., 36 Wood St.
SIGN, electric, $75; 2509 Bayshore Blvd.; owner, Rose Marie D'Arcy, Premises; contractor, QRS Neon, 690 Potrero Ave.
ALTER dwelling, $75; 1335 48th Ave.; owner, G. Canevari, 523 Dolores St.
ALTER apartments, $400; 2655 Pine St.; owner, R. Tatham, Premises.
ALTER flats, $100; 450 Missouri St.; owner, N. Bonnie, Prem.; contractor, Bay Shore Concrete Co.; 164 Talbert St.
ALTER store, $500; 2240 Chestnut St. owner, Martin Stelling Jr., 155 Montgomery St.; architect, Francis A. Lloyd, 360 Pine St.; contractor, Young & Harstmeyer, 461 Market St.
SIGN, electric, $75; 9th and Market; owner, Wolohan's, Prem.; contractor, QRS Neon, 690 Potrero Avenue.
SIGN, electric, $100; 2578 Mission St.; owner, Mr. Bloom, Premises; contractor, QRS Neon, 690 Potrero Avenue.
STUCCO dwelling, $95; 624 Van Ness Ave. South; owner, M. Alonso, Premises.
ALTER dwelling, $90; 1065 Minna St.; owner, Mary Bennett et al, Prem.; contractor, D. J. and T. Sullivan, 1940 Folsom St.
BARBER pole, $80; 359 Geary St.; owner, Stewart Hotel, 359 Geary St.; owner, National Elec. Co., 1080 Howard St.
FLUE (1) patent, $20; 501 Niagara; owner, M. Cuthbert, 940 Geneva Ave.; contractor, F. C. Johnson, 5240 Mission St.
ALTER flat, $55; 301½ Webster St.; owner, H. C. Wahman, Premises contractor, California Concrete Co., 1632 Steiner St.
ALTER flats, $150; 704 North Point St.; owner, A. Venezzia, Prem.
FLUE (1) patent, $20; 712C Lake St.; owner, Epp Sheet Metal Works, 4745 Geary Blvd.; contractor, Geanque, 712 Lake St.
ALTER apartments, $500; 61 Divisadero St.; owner, G. E. Hunt, 69 Divisadero St.
ALTER dwelling, $400; 322 26th Ave.; owner, Mrs. Rodrigues, 322 26th Ave.; owner, J. E. Bourdieu, 2625 20th St.
SIGN, electric, $75; 1423 Fillmore St. owner, Captain's Inn, 1423 Fillmore St.; contractor, Elec. Prod. Corp., 253 Golden Gate Ave.

ALAMEDA COUNTY UNDER $1000

SIGN, electric, $60; 7311 E-14th Street Oakland; owner, J. J. Cider, Prem. contractor, Radiant Neon Displays, 2561 San Pablo Ave.
SIGN, metal, $6; 4536 E-14th Street, Oakland; owner, Melrose Liquor Store, Premises; contractor, J. R. Warren, 4335 E-14th St.
SIGN, electric, $60; 2045 Hopkins St., Oakland; owner, Welcomes Tavern Premises; contractor, Radiant Neon Displays, 2561 San Pablo.
ALTERATIONS, $25; 739 E-12th St., Oakland; owner, Mary Hake, 737 E-12th St.
RESTAURANT, one-story, $750; 6500 San Pablo Ave., Oakland; owner, Wm. Gercke, 1094 65th St.
ALTERATIONS, $50; 1697 5th St., Oakland; owner, F. G. Lawrence, Premises.
ALTERATIONS and addition, $500; 5904 Hilton St., Oakland; owner, Frank Seput. Premises.
REPAIRS, $100; 3335 Adeline Street. Oakland; owner, Geo. H. Sanford 418 A St., Hayward.
ALTERATIONS, $50; 721 Washington St., Oakland; owner, F. J. Timmins 4450 Moraga Ave.
ALTERATIONS, $180; 450 38th St., Oakland; owner, Mr. Jorgenson, 450 38th St.
BILLBOARD, $100; SW E-9th St. and Fruitvale Ave., Oakland; owner, Southern Pacific Railway, Oakland Pier.
SIGN, electric, $160; 3813 Grove St., Oakland; owner, Brass Rail, Prem. contractor, Ace Elec. Sign Co., 1243 E-12th St.
SIGN, electric, $60; 6701 San Pablo Ave., Oakland; owner, Eagle Buffet, Premises; contracter, Radiant Neon Displays, 2561 San Pablo.
SIGNS, metal, $22; 914 Broadway, Oakland; owner, D. M. Jeskalian, 944 Broadway.
ADDITION, $900; 7618 Sunkist Drive, Oakland; owner, Mrs. F. Boyer, 7618 Sunkist Drive; contractor, Andrew Hexem, 2985 California.
ALTERATIONS, $946; 5648 Miles Ave. Oakland; owner, W. H. Barnes, Pramises; contractor, John Poston, 725 Virginia St., Berkeley.
ALTERATIONS, $100; 131 72nd Ave., Oakland; owner, V. J. Absuci, 210 Palm Ave., Piedmont.
ADDITION, $50; 5494 Fairfax Ave., Oakland; owner, Wm. Soar, Prem. contractor, W. H. Anderson, 1014 Doris Court, Alameda.
ALTERATIONS, $300; 7328 Circle Hill Drive, Oakland; owner, A. S. Arnall, Premises.
ADDITION, $75; 1066 80th Avenue, Oakland; owner, F. C. Conklin, Premises.
ALTERATIONS, $300; 573 Santa Rosa Ave., Berkeley; owner, Ed. Patterson; contractor, E. A. Patterson.
ADDITIONS, $250; 1421 Josephine St., Berkeley; owner, Horton, 1421 Josephine St.; contractor, Frank A. Stead, 3206 Boise St.
ALTERATIONS, $265; 1106 Colusa St. Berkeley; owner, Rush, Premises contractor, Guy Tyler, 1502 Cedar
ALTERATIONS, $102; 1842 Channing Way, Berkeley; owner, F. B. Thompson, Premises; contractor, Crown Roof Co., 2609 E-14th St., Oakland.
ALTERATIONS, $150; 1006 Shattuck Ave., Berkeley; owner, J. L. Parmenter, Premises.
SIGN, electric, $90; 468 10th Street, Oakland; owner, Tivoli Cafe, 468 Tenth St.; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
OFFICE, one-story and tool house, $900; Key Route Mole, Oakland; owner, Bates & Rogers, Premises; contractor, Jensen & Pedersen, 3443 Adeline St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

3— CHURCHES

PLANS BEING FIGURED

GLENDALE, Los Angeles Co., Cal. —Architect Georgius Y. Cannon, 901 Beaux Arts Bldg., Los Angeles, is taking bids for a frame and stucco chapel building to be built in Glendale for the Church of Jesus Christ of Latter Day Saints. The building will have a floor area of 9400 square feet and will contain chapel, 12 classrooms, kitchen, toilets, and patio. Bids are to be submitted October 25.

4 — FACTORIES & WAREHOUSES

To Be Done By Day's Work.

BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Three-story reinforced concrete brew house (40x40 feet) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Construction will start within one week under the supervision of Mr. Nishkian. Reinforcing steel, lumber, etc., will be purchased.

Bids Opened

SHOP Cost, $7000
MODESTO, Stanislaus Co., Calif. 8th and L Streets.
One-story machine and repair shop.
Owner—City of Modesto.
Plans by City Engineer, Modesto.
Low Bidder—Ernest Green, Sycamore Avenue, Modesto.
Complete bids follow:
(1) using transite roof;
(2) Summerbell truss;
(3) Summerbell truss and transite roof

Ernest Green, Modesto		$ 8,670
	(1)	9,850
	(2)	8,750
	(3)	9,870
L. Ubels, Ripon		$ 9,025
	(1)	10,175
	(2)	8,950
	(3)	10,175
H. Tennyson, Modesto		$ 9,700
	(1)	10,900
	(2)	9,700
	(3)	10,960
Valley Const. Co., Modesto		$10,000
	(1)	11,750
	(2)	10,000
	(3)	11,372

Bids held under advisement.

Contract Awarded.

SHOP Cost, $8000
BERKELEY, Alameda Co., Cal. No. 711 Camella Street.
One-story shop building (2 rooms).
Owner—California Ink Co., Premises.
Architect—Not Given.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland.

CONTRACT AWARDED

CURRY COUNTY, Ore. — Sig Ash, Medford, at $3,662 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, Ocober 11, for the construction of a frame maintenance building 32x72-feet on State Highway Commission property at Pistol River, Curry County.
Complete bids follow:

Sig Ash, Medford	$3,662.00
E. W. McCall, Klamath Falls	3,806.09
Mateer and Wustholz, Gold Beach	3,844.10
James Wright and Geo. Stafford, Gold Beach	3,989.61
R. J. Hillstrom, Marshfield	4,856.00

PLANNED

ARCADIA, Los Angeles Co., Calif.—Steuben Brewing Corp., 682 S. Vermont Ave., Los Angeles, contemplates erecting a brewery on a 10-acre site in Arcadia. George W. Harding, contractor and engineer, is a director of the company.

Contract Awarded.

CONDENSARY, ETC. Cost, $——
STOCKTON, San Joaquin Co., Cal. South of Boggs Tract (20 acres).
Condensary plant and milk distributing plant (capacity of 50,000 lbs. of milk daily).
Owner—Morning Milk Co., Lund Johnson, Operating Manager).
Plans by Engineering Dept. of Owner.
Contractor—J. A. Allen, 22 S-Sutter St., Stockton.

Plans Being Completed

PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton Wharf.
One - story corrugated iron shipside plant (500 ft. long by 78 ft. wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary) 16 California St., San Francisco.
Plans by Engineering Dept. of Owner Bids will be asked from a selected list of contractors in about 3 weeks.

Contract Awarded

TANNERY Cost, $15,000
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story wood frame tannery (heavy timber framing; 176x103 feet).
Owner—A. K. Salz Co., 86 Third St., San Francisco.
Architect—Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—J. J. Irwin, 1040 Oak St., San Francisco.

Contract Awarded

BAG HOUSE Cost, $7000
SAN FRANCISCO. Folsom Street.
Three-story steel frame bag house (20 x 30 ft.) 73-ft. high, steel plate floors, protective metal exterior, protective metal roof.
Owner — Federated Metals Corp., 75 Folsom Street.
Engineer—Ellison and Russell, Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.

Contract Awarded

REPAIR SHOP Cost, $4500
SAN FRANCISCO. 214 Van Ness Ave.
Repair fire damage to auto shop.
Owner—Samuels Estate, Mills Bldg.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace.

Contract Awarded.

WAREHOUSE Cost, $8000
OAKLAND, Alameda Co., Cal. No. 514 Fifth Street.
One-story brick and concrete warehouse.
Owner—Roeth & Roeth, 514 Fifth St., Oakland.
Architect — Chas. F. B. Roeth, 2548 Cedar St., Berkeley.
Contractor — Lindgren & Swinerton, Inc., 1723 Webster St., Oakland.

6—GARAGES & SERVICE

Contract Awarded

SERVICE STATION Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. Ninth and N Streets.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—C. J. Hopkinson, 1810 28th St., Sacramento.

Contract Awarded

BUILDING Cost, $1500
OAKLAND, Alameda Co., Calif. East 12th Street near Eighth.
One-story Class C garage type building for auto park (reinforced brick walls, steel sash, wood frame, concrete foundations, cement floor, tar and gravel roof, etc.)
Owner—George W. Colby.
Architect—Guy Brown, American Bldg. Oakland.
Lessee—Ballard Auto Wrecking Co.
Contractor—Olaf Peterson, 3626 Rhoda Ave., Oakland.

AWARD

FORT PECK DAM, Montana—Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo., at $33,072.69 awarded contract by the U. S. Engineer Office, Kansas City, Mo., for the construction of camp buildings in Group 4, at the Fort Peck Project, Montana.

To Ask Bids Within One Week

SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Calif. El Camino Real and University Avenue.
Construct new service station (reinforced concrete construction).
Owner—Standard Oil Co., 225 Bush St. San Francisco.
Plans by Engineering Dept. of Owner.

Contract Awarded.

SERVICE STATION Cost, $7000
SAN FRANCISCO. Pierce and Lombard Streets.
Steel service station.
Owner—McKales, Inc.
Plans by Engineering Dept. of Owner.
Contractor—William Spivock, Hobart Bldg., San Francisco.

October 16, 1934

Plans Being Prepared.

SERVICE STATION Cost, $7000
ALAMEDA, Alameda Co., Cal. Lincoln and Park Streets.
Steel and concrete service station.
Owner—General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner. Bids will be asked in about 2 weeks

Plans Being Prepared

SERVICE STATION Cost, $7500
BERKELEY, Alameda Co., Calif. NE Gilman and Neilson Streets.
Reinforced concrete service station (3 pumps, lift building, etc.)
Owner—B. B. Maynard Co., 3708 Balfour St., Oakland.

Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Work will probably be done by day's labor under owner's supervision, and will start in about thirty days.

Plans Being Figured—Bids Close Oct. 23rd.
SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Calif. El Camino Real and University Avenue.
Construct new service station (reinforced concrete construction).
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

PROSPECTIVE BIDDER
PALO ALTO, Santa Clara Co., Cal. —Lindgren and Swinerton, Inc., 225 Bush St., San Francisco (Gar. 2980) have procured plans for the purpose of submitting a bid to the Standard Oil Company on October 23rd for the construction of a new service station

Prospective Bidders.
SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Cal. El Camino Real and University Avenue.
Construct new service station (reinforced concrete construction).
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Following have procured plans. Bids close October 23.
Lindgren & Swinerton, Inc., 225 Bush St., San Francisco.
Carl N. Swenson, 355 Stockton Ave., San Jose.
Wells P. Goodenough, 310 University Ave., Palo Alto.

Sub-Contracts Awarded.
SERVICE STATION Cost, $7000
SAN FRANCISCO. Pierce and Lombard Streets.
Steel service station.
Owner—McKales, Inc.
Plans by Engineering Dept. of Owner.
Contractor—William Spivock, Hobart Bldg., San Francisco.
Plumbing—Scott Co., 243 Minna St.
Electric—Kuchel & Sievers, 468 5th
Tile — Albert Cook, 334 Claremont Blvd.
Sheet Metal—Wieland & Kolthoff, 2194 Folsom St.

7—FEDERAL BUILDING

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following have procured plans for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor, T. H., under Spec. No. 7770, for which bids will be opened November 14, 11 A. M., by the Bureau of Yards and Docks, Navy Department, Washington, D. C., ast previously reported:
United States Steel Products Co., 30 Church St., New York City.
General Electric Co., Schnectady, New York.
Pioneer Constr. Co., Textile Tower, Seattle.
Virginia Bridge & Iron Co., Roanoke, Virginia.
Honolulu Iron Works, 165 Broadway, New York.
Plans and specifications obtainable from above office and from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, and the Commandant, 14th Naval District, Pearl Harbor, T. H., upon deposit of $20.

BIDS OPENED
COALINGA, Fresno Co., Cal.—Following bids received by Post Office Department, for furniture and screen-line equipment for the U. S. Post Office at Coalinga:
St., San Francisco $1,550.00
Geo. Fensky Co., 761 Tehama
Alternate 1,585.00
McLane Mfg. Co. 2,286.80
Keyless Lock Co. 1,899.54
Federal Equip. Co. 2,328.00
Alternate 2,844.00
Corbin Cabinet Lock Co..... 1,982.00
Bids held under advisement.

SITE SELECTED
FLAGSTAFF, Arizona — Treasury Department has selected property located on San Francisco Ave., Flagstaff, Ariz., as the site for the U. S. Post Office to be erected in that city.

Prospective Bidders
POST OFFICE Cost, $——
COLTON, San Bernardino Co., Calif.
One - story and part basement post office building (65x70 ft.) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains, cork carpet, one-pipe, low pressure heating system, etc.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids open Nov. 2, 1 P. M.:
Mechanical Engr. Service, 1315 H St. NW, Washington, D. C.
W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.
N. A. Anderson, 4307 Van Buren Place, Los Angeles.
L. F. Dow Co., 1235 26th St., Santa Monica.
Wesco Constr. Co., 200 Hyperion Ave., Los Angeles.
Schuler & McDonald, Inc., 1723 Webster St., Oakland.
Theo. A. Beyer Corp., Chamber of Commerce Bldg., Los Angeles.
Eastern Contracting Co., 10 Calvert St., Baltimore, Md.
On previous bid opening lowest bid was submitted by Oliver S. Almlie, 60 Sussex St., San Francisco, at $32,-900.
Plans and specifications may be obtained from the Treasury Department, Washington, D. C., upon deposit of $15.00

Prospective Bidders
POST OFFICE Cost, $63,800
TORRANCE, Los Angeles Co., Calif. Marcelina Avenue.
Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids open Nov. 12:
Mechanical Engr. Service, 1315 H St., N.W., Washington, D. C.
W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C
N A. Anderson, 4307 Van Buren Place, Los Angeles.
L. F. Dow Co., 1235 26th St., Santa Monica.

ADDITIONAL PROSPECTIVE BIDDERS
SAN FRANCISCO.—Leo Epp, 4745 Geary St., and Monson Bros., 475 6th St., have procured plans for the purpose of submitting a bid to Treasury Department on October 26 for the construction of a plague laboratory at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco.

BIDS WANTED
CLOVIS, New Mexico—Until November 6, bids will be received by the Treasury Department, Washington, D. C., for painting the plaster at the U. S. Post Office, Clovis, New Mexico.

BIDS WANTED
SAN YSIDRO, San Diego Co., Cal.—Bids are being received by the Custodian, San Ysidro Post Office, for lawn sprinkler system for the grounds at the San Ysidro Post Office.

Complete Bid Listing.
POST OFFICE Cost, $56,700
HILLSBORO, Oregon.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Complete bids follow:
Joseph H. Anderson, Portland, Ore., $39,260.
Hoffman Construction Co., Portland, $41,950.
Murch Bros., Constr. Co., St. Louis, Mo., $41,959.
Roy O. Powers Portland, $43,435.
A. D. Bellanger, Everett, Washington, $44,886.
Dougan-Hammond Constr. Co., Portland, $45,400.
Wm. MacDonald Const. Co., St. Louis Mo., $45,567.
Mohr Bros., Hillsboro, Oregon, $47,-000.
Bids held under advisement.

BIDS OPENED
REDONDO BEACH, Los Angeles Co., Cal. — Bussard-Nelson Company, Washington, D. C., at $174.50 submitted low bid to Treasury Department for plaster models for the proposed U. S. Post Office for Redondo Beach. Complete bids follow:
Bussard-Nelson Co., Washington, D. C., $174.50.
Lohbard-Ludwig, Inc., Washington, D. C., $183.
Studio of Architecture Sculpture, Washington, D. C., $211.
George Rosalie, New York City, $350

BIDS WANTED
CHEHALIS, Wash.—Until November 5, bids will be received by the Treasury Department, Washington, D. C., for painting the plaster at the U. S. Post Office, Chehalis, Wash.

BIDS WANTED
MONTEREY, Cal.—Bids are being received by the Custodian, Monterey Post Office, for furnishing a bulletin board for the U. S. Post Office at Monterey.

BIDS OPENED
SAN FRANCISCO.—L. & E. Emanuel, Inc., 2665 Jones St., at $1,225.00 submitted low bid to Custodian, U. S. Post Office, for wickets and wood screens, etc., for the post office and courthouse in San Francisco. Complete bids follow:
L. & E. Emanuel.....$1,225.00
Brandlein Co. 1,300.00
Ostlund & Johnson..... 1,332.50
Bids held under advisement.

Supplemental Bids Being Taken—To Close October 31.
POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Sts.
One-story post office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 feet; Mission style.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. .
On previous bid opening lowest bid was submitted by K. E. Parker Co., 135 South Park, San Francisco, at $29,000.

CONTRACT AWARDED
FORT PECK, Mont.—Wm. MacDonald Const. Co., 3829 W Pine Blvd., St. Louis, Mo., awarded contract by the United States Engineer at $33,072, for the construction of 43 garage buildings at the site of the proposed Fort Peck construction camp, Montana.

BID OPENING DATE POSTPONED UNTIL OCTOBER 30.

HONOLULU, T. H.—Until October 30, 10 A. M., (date postponed from October 12), bids will be received by Treasury Department, Washington, D. C., for installing a sprinkler system in the U. S. Immigration Station at Honolulu, T. H. Plans and specifications may be obtained from above office and from the Custodian of the Building in Honolulu, T. H.

Complete Bid Listing

BUILDINGS Cost, $35,000
GRAND CANYON, Ariz. National Pk.
Group of buildings, including post office building, four residences, fire equipment storage bldg., etc. (All to be of wood frame and natural stone construction).
Owner—United States Government.
Plans by National Park Service, 525 Market St., San Francisco.
Low Bidder—Del E. Webb Const. Co., 1633 West Jefferson St., Phoenix, $45,637.
Complete bids follow:
Del E. Webb Const. Co., (1) post office $17,890; (2) fire equipment storehouse, $2682; (3) postal employee's quarters, $10,738; (4) employee's residence No. 9, $8646; (5) employee's residence No. 12, $5681; total, $45,637; (1a) alternates A to K and No. 1, deduct $613; (3a) alternates A to F, $1613; (4a) alternates A to K, deduct $1984; (5a) alternates A to H, deduct $847.
Olds Bros. Lumber Co., (1) $19,860; (2) $3055; (3) $9930; (4) $8776; (5) $5,269; total, $46,890; (1a) $1776; (2a) $575 (3a) $1809; (4a) $1882; (5a) $511.
Myers Brothers, (1) $22,671; (2) $3,576; (3) $12,942; (4a) $9927; (5) $6694; total $55,810; (1a) $1553; (2a) $621; (3a) $1477; (4a) $1441; (5a) $1208.45.
George C. Walters, Jr., (1) $22,194; (2) $4054; (3) $14,634; (4a) $12,269; (5) $7632; total, $60,783; (1a) $2311.53; (2a) $524.03; (3a) $652; (4a) $1697.38; (5a) $824.75.
P. W. Womack, (1) $25,931; (2) $3,707; (3) $14,294; (4) $11,286; (5) $7,426; total, $62,644; (1a) $1502.40; (2a) $539; (3a) $1789; (4a) $1684.50; (5a) $808.25.
Pima Pipe Co.'s bid was not considered because it was not itemized.

Additional Prospective Bidders.

POST OFFICE Cost, $63,800
TORRANCE, Los Angeles Co., Cal.
Marcelina Avenue.
Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids open November 12:
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
Theodore A. Beyer Corp., Chamber of Commerce Bldg., Los Angeles.
Daniel J. Patton, Amber and Tioga Streets, Philadelphia, Pa.

Contract Awarded.

CARLSBAD, New Mexico — Wm. McDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo., at $58,380 awarded contract by Treasury Department for the construction of the U. S. Post Office at Carlsbad, New Mexico.

Low Bidder.

POST OFFICE Cost, $59,400
LA JOLLA, San Diego Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Frank L. Stimson Construction Co., P. O. Box No. 23, La Jolla, at $38,000.
Complete bids will be published shortly.

Contract Awarded.

UTILITY BLDG. Cont. Price, $110,787
YOSEMITE PARK, Merced Co., Cal.
One- and two-story utility bldg. (70x260) reinforced concrete wall, steel frame, hollow tile partitions, cement floor, asbestos shingle roof, oil-fired steam heating system.
Owner—U. S. Government (National Park Service), Underwood Bldg., San Francisco.
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.
Contractor—L. S. Peletz, 1660 West Acacia St., Stockton.
Mill Work—Davis Hardwood Co., Bay and Mason Sts., San Francisco.
Construction has just started. Contract awarded for work complete excepting electric siren.

BIDS OPENED

COALINGA, Fresno Co., Cal.—Followings bids received by Post Office Department for wooden pigeonhole nest for the U. S. Post Office, Coalinga:

John E. Sjostrom Co.	$316.40
Original Cabinet Corp.	353.00
George Fensky	360.00
Federal Equip. Co.	383.00
Corbin Cabinet Lock Co.	392.00

BIDS OPENED

SACRAMENTO and Coalinga, Calif.—Following bids received by the Post Office Department for steel shelving for post offices at Sacramento and Coalinga:
(1) Sacramento; (2) Coalinga.

Worley & Company	(1)	$32.10
	(2)	69.69
Interior Steel Equip. Co.	(1)	39.04
	(2)	54.14
Lyon Metal Products Co.	(1)	$34.36
	(2)	105.72
De Luxe Metal Furn. Co.	(1)	31.10
	(2)	.....
Penn Metal Company	(1)	30.52
Struck Equipemnt & Supply Corp.	(1)	38.33
Federal Equipment Co.	(2)	69.65

Bids held under advisement.

Low Bidders.

POST OFFICE Cost, $64,900
ORANGE, Orange Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Tretsury Dept., Washington, D. C.
Low Bidder—L. F. Dow Co., Union League Bldg., Los Angeles, at $36,735.
Second low bid submitted by Schuler & McDonald, Oakland, at $36,897.
Complete bids will be published shortly.

BIDS WANTED

GLOBE, Ariz.—Until November 1, bids will be received by the Custodian, United States Post Office, Globe, Arizona, for interior and exterior painting.

Prospective Bidders.

COMPLETE POST OFFICE $24,000
LONG BEACH, Los Angeles Co., Cal.
Finishing fourth, fifth, six and seventh floors of Long Beach Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept. Washington, D. C.
Following have procured plans. Bids close November 15:
W. F. Jackson Co., Denrike Bldg., Washington, D. C.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
Eastern Contracting Co., 10 Calvert St., Baltimore, Md.
Lindgren & Swinerton, 605 W. Tenth St., Los Angeles.
S. W. Rindfleisch, 220 N Broadway, Milwaukee.
Louis C. Dunn, Monadnock Bldg., San Francisco.
Johnson St., Philadelphia.
Libbey & Libby Co., Minneapolis.
Wm. MacDonald Constr. Co., 2839 Lindell Blvd., St. Louis.
K. E. Parker Co., 135 South Park, San Francisco.
H. A. Nichols, 936 E. Slauson Ave., Los Angeles.
E. Fallgren Co., 119 S. Alvarado St., Los Angeles.
R. E. Campbell, 711 Central Bldg., Los Angeles.

PROSPECTIVE BIDDERS

CHEHALIS, Wash.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on November 5 for painting the plaster in the U. S. post office at Chehalis:
Arthur M. Gelden, Chicago.
J. Wallace Hurd, Inc., Maplewood, New Jersey.

BIDS WANTED

COLFAX, Wash.—Until Nov. 7, bids will be received by Treasury Department, Washington, D. C., for painting the plaster, etc., at the U. S. post office at Colfax. Following have procured plans:
Arthur M. Gelden, 1240 N. Wells St., Chicago.
J. Wallace Hurd, Inc., 1874 Springfield Ave., Maplewood, N. J.

BIDS OPENED

LAS VEGAS, Nev.—The Macey Co., Grand Rapids, Michigan, at $517 submitted low bid to Treasury Department, Washington, D. C., for metal counters, etc., at the U. S. post office at Las Vegas.
Complete bids follow:

Macey Co. Grand Rapids, Mich.	$517.00
Corry-Jamestown Mfg. Co. Corry, Pa.	580.00
General Fireproofing Co. Washington, D. C.	663.76
Globe Wernecke Co., Washington, D. C.	688.70
Metal Office Furniture Co. Grand Rapids	743.85
Watson Mfg. Co., Inc., Jamestown, N. Y.	774.35
Art Metal Const. Co., Washington, D. C.	862.75

Bids held under advisement.

LOW BIDDERS

FRESNO, Fresno Co., Cal.—Kyle & Co., 346 G St., Fresno, at $375 submitted low bid to the Department of Agriculture for steel and glass required to build greenhouse addition approximately 15½ ft. square at Fresno; Proposal No. 7735. Independent Iron Works, Oakland, submitted second low bid at $418. Bids held under advisement.

LOW BIDDER

CALEXICO, Imperial Co., Cal.—Arthur M. Gelden Co., 1240 N Wells St., Chicago, at $1,343 submitted low bid to Treasury Department, for painting plaster in the U. S. Inspection Station at Calexico. Only other bid was submitted by C. M. Higgins, Calexico at $2,530. Bids held under advisement.

Complete Bid Listing.

POST OFFICE Cost, $73,700
REDONDO BEACH, Calif.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Schuler & McDonald, 1723 Webster St., Oakland.
Complete bids follow:
Schuler & McDonald (1) construction complete with simplified entrance detail, $39,747; (2) construction com-

plete with ornamental entrance detail, $40,297.

Bettenson Constr. Co., (1) $41,389; (2) $41,586; bid not signed.

L. F. Dow Co., (1) $43,961; (2) $44,461.

Murch Brothers Constr. Co., (1) $44,100 (2) $45,100.

Harold Hansen, (1) $46,848; (2) $47,248.

N. A. Anderson, (1) $47,172; (2) $47,674.

M. M. Waddell, (1) $47,973; (2) $48,273.

Theo. A. Beyer Corp., (1) $48,684; (2) $48,927.

H. M. Baruch Corp., (1) $80,000; (2) $82,000.

LOW BIDDERS

SACRAMENTO, Cal. — D. Zelinsky & Sons, 165 Grove St., San Francisco, at $9278 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster, decorating, etc., in the U. S. Post Office and Court House at Sacramento. Following are three low bids reseived:

D. Zelinsky & Sons, S. F.....$ 9,278
Patterson Bros., Oakland..... 9,840
Raphael Co., San Francisco..... 14,200

Complete bids will be published shortly.

BIDS WANTED

VISALIA, Tulare Co., Cal. — Until October 19, bids will be received by Division of Supply, Treasury Department Washington, D. C., for eight racks metal shelving for the U. S. Post Office at Visalia. Proposal No.

Complete Bid Listing.

POST OFFICE Cost, $59,400
LA JOLLA, San Diego Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Frank L. Stimson Construction Co., P. O. Box No. 23, La Jolla, at $38,000.

Complete bids follow:

Frank L. Stimson Constr. Co., La Jolla, $38,000.
F. L. Dow Co., Los Angeles, $38,-461.
H. Mayson, Los Angeles, $39,850.
Murch Bros. Constr. Co., St. Louis, Mo., $40,261.
N. A. Anderson, Los Angeles, $40,300
Olmstead Bldg. Co., San Diego, $40,-400.
M. H. Dolden, San Diego, $41,000.
Wm. MacDonald Constr. Co., St. Louis, Mo., $43,500.
V. R. Dennis Constr. Co., San Diego, $49,699.

Plans Being Prepared.

POST OFFICE Cost, $120,000
ANAHEIM, Orange Co., Cal.
United States Post Office Building.
Owner—United States Government.
Architect—Fred H. Eley, 109 Orange Ave., Santa Ana.

CONTRACTS AWARDED

SAN FRANCISCO. — Constructing Quartermaster, Fort Mason, awarded the following contracts for materials only for the construction of a one-story reinforced concrete army transport storage building and a one-story reinforced concrete chemical storage building at Fort Mason:

(1) Door frames, including Kalamein doors and hardware; (2) Guilfoy Cornice Works, 1234 Howard Street, $130.00.

(2) Door frames, steel (2) Rincon Iron Works, 55 Sterling St., $42.00.

(3) Shelf angle, steel; (1) Rincon Iron Works, 55 Sterling St., $9.00.

(4 to 32 inclusive) Steel sash, commercial (4) Soule Steel Co., 1750 Army St., $88.99.

(32½) No. 12 tie wire for reinf. .5 lbs., Truscon Steel Co., 604 Mission St., $.17 per lb.

(33) Wire mesh, 700 sq. ft., Soule Steel Co., 1750 Army St., $9.10.

(34) Putty, Grade B, 25 lbs., W. P. Fuller & Co., 301 Mission St., $1.50.

(35) Concrete, readymix, 45 cu. yds. Golden Gate Atlas Materials Co., 16th and Harrison Sts., $338.85.

(36) Wire Glass, Type E corrugated, 36 lights, Arthur Goepp, 70 12th St., $19.44.

(36½) Overhead doors, 2 each, Overhead Door Co., 557 Market St., $29.

(37 to 41 inclusive) Sheathing, 2500 ft. B. M., San Francisco Lumber Co., Beach and Powell Sts., $129.49.

(42 43) Michel & Pfeffer Iron Works Harrison and 10th Sts., $336.00.

(43½) Hardware for overhead doors (2 sets) Marshall Newell Co., Spear and Mission Sts., $43.80.

(44 Building paper, 1 roll, San Francisco Materials Co., 3070 23rd St., $1.51.

(45) Felt, asphalt saturated (1 roll) San Francisco Materials Co., $1.80.

(46) Sheet copper, 150 lin. ft., Chace Brass & Copper Co., 678 2nd St., $33.

(47) Louver vents, copper, (6) Guilfoy Cornice Works, 1234 Howard.

(48) 2-in. floor drain (1) P. E. O'Hair, 945 Bryant St., $1.50.

(49) 2-in. open return bend, (1) Crane Co., 301 Brannan St., $.65.

(50, 51, 52) Pipe, niple, lawn faucet, P. E. O'Hair, $.99; $3.00; $.15.

(53) ½-in. lawn faucet, (1) Crane Co., $.40.

(54) ¾-in. W. I. pipe, galv. (72 ft.) P. E. O'Hair, $8.87.

(55) ½-in. W. I. pipe, galvanized threaded (26 ft.) P. E. O'Hair, $2.49.

(56) ½-in. elbow, M. I., P. E. O'Hair, $.05.

(57 to 62) Cuoplings (9) Crane Co., $.05, $.08, $.12, $.06, $.12, $.09.

(63 to 71) No. 10 copper wire, insulated conduit, switches, etc., Westinghouse Electric Supply Co., 260 5th St., $29.19.

(72) Asphalt, Type 2, gr. 1, 200 lbs., Construction Device Co., $6.00.

(73 Pea gravel, 3,000 bbls. San Francisco Materials Co., 3070 23rd St., $3.

(74 Paint, lead and zinc base, 1 gal. W. P. Fuller & Co., 301 Mission St., $2.50.

BIDS OPENED

CRESCENT CITY and Eureka, Cal. —Theo. Johanns, 2020 15th Street, San Francisco, at $2,825 submitted low bid to Public Works Officer, Mare Island Navy Yard, for installing an existing 1000-gallon water tank and replacing porch floors at Point St. George (Crescent City) and for replacing windows, miscellaneous repairs and painting at the Operating Building, Table Bluff (Eureka) and for installing a roof over the present water tank at Table Bluff; Specification No. 7798.

Complete bids follow:

(1) work complete; (2) deduct; (3) deduct.

Theo. Johanns, San Francisco..		
	(1)	2,825
	(2)	150
	(3)	400
F. J. Maurer & Sons, Eureka		
	(1)	$3,850
	(2)	175
	(3)	792
K. E. Nelson	(1)	$4,853
	(2)	140
	(3)	1,100
Mercer-Fraser Co., Eureka..	(1)	$4,993
	(2)	195
	(3)	715

Bids held under advisement.

BIDS WANTED

SAN FRANCISCO.—Until Oct. 25, 11 A. M., bids will be received by the Public Works Officer, 12th Naval District, Room 518, 100 Harrison Street, for installation of steel wire mesh partition at 12th Naval District headquarters, 5th floor, 100 Harrison St., San Francisco. Specifications No. 7808. Plans and specifications may be obtained from above office upon deposit of $5.00.

BIDS OPENED

NOGALES, Arizona.—Studio Architectural Sculpture, Washington, D. C., at $27.00 submitted low bid to Treasury Department for plaster models for Nogales.

Complete bids follow:

Studio Architectural Sculpture..$ 27.00
Lombard & Nudwig, Washington, D. C. 37.10
Bussard-Nelson Co., Washington, D. C. 56.00
Geo. Rosalie, New York City..... 100.00

BIDS WANTED

SAN RAFAEL, Marin Co., Calif.—Until Nov. 6, 10 A. M., bids will be received by the Treasury Dept., Procurement Division, Public Works Branch, Washington, D. C., for clearing the site of the new U. S. post office at San Rafael. Specifications may be obtained from above office and from the Custodian of the Building at San Rafael.

LATE LOW BID

CALEXICO, Imperial Co., Cal.—H. J. McKinley, Beverly Hills, at $1,250 submitted late low bid to Treasury Department, Washington, D. C., for painting plaster in the U. S. Inspection Station at Calexico. Second low bid was submitted by Arthur M. Gelden Co.; 2140 N. Wells St., Chicago, at $1,343.

BIDS WANTED

BEVERLY HILLS, Los Angeles Co. Cal.—Until Nov. 9, 10 A. M., blds will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. post office at Beverly Hills. Plans and specifications may be procured from the above office and from the Custodian of the Building.

Prospective Bidders.

COMPLETE POST OFFICE $24,000
LONG BEACH, Los Angeles Co., Cal.
Finishing fourth, fifth, sixth and seventh floors of Long Beach Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from Treasury Department, Washington, D. C.

Following are additional contractors who have procured plans. Bids open November 15:

Reed & Kaiser, 6348 Colgate Ave., Los Angeles.

Raymond J. Daun, 3964 Budlong Ave., Los Angeles.

8— CLUB BUILDINGS

Additional Sub-Contracts Awarded.

ALTER CLUB Cost, $200,000
SAN FRANCISCO. Post St., between Taylor and Mason Sts.
Alterations and addition to club building (addition over gymnasium re-tile swimming pool, showers, new grille, enlarge cafe, cleaning front of building, decorating, carpeting, etc.)
Owner—Olympic Club, Premises.
Architect—Douglas Stone, 110 Sutter St., San Francisco.
Consulting Architects—John A. Bauer Arthur Brown Jr. and John Bakewell, 251 Kearny St., S. F.
Contractor — Lindgren & Swinerton, 225 Bush St., San Francisco.
Painting — Raphael Co., 270 Tehama St., San Francisco.
Hardware—Palace Hardware Co., 581 Market St., San Francisco.

Planned.
ALTER LODGE BLDG. Cost, $——
BURLINGAME, San Mateo Co., Cal. No. 1110 Burlingame Ave.
Alterations to three-story concrete and brick building for lodge bowling alley, billiard hall and cafe, dance hall, lodge rooms, etc.)
Owner — Buringame Lodge No. 470, I. O. O. F.
Architect—Not Given.
Agent—R. W. Hurst, 1352 Vancouver Ave., Burlingame.

9— HOSPITALS

CONTRACT AWARDED
SAN FRANCISCO — American Art tile Co., 231 Franklin St., at $110.72 awarded contract by Treasury Department, Washington, D. C., for repairs of both ceramic and glazed tile in certain sections in the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco.

BIDS REJECTED
SEATTLE, Wash. — The Treasury Department rejected all bids for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering in the U. S. Marine Hospital at Seattle. Lowest bid was submitted by the Hanover Chemical and Manufacturing Co., Newark, N. J., at $4,078.

BIDS WANTED
SEATTLE, Wash. — Until November 9, 10 A. M., bids will be received by Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering, etc. Plans and specifications may be obtained from above office and from the Custodian of the Building at Seattle. On previous bid opening lowest bid was submitted by the Hanover Chemical & Manufacturing Co., Newark, New Jersey, at $4078.

PROSPECTIVE BIDDER
SAN FRANCISCO. — Lindgren and Swinerton, Inc., 225 Bush St., (Garfield 2980) have procured plans for the purpose of submitting a bid to the Department of Public Works on Oct. 22 for the construction of the psychopathic and cancer hospital for the City and County of San Francisco.

Planned
ADDITIONS Cost, $2500
MERCED, Merced Co., Calif. County Hospital Site.
Construct combined living room and dining room for tubercular unit (28x22 ft.) and bathroom for old men's barracks (tubs and shower)
Owner—County of Merced (W. E. Bedesen, County Surveyor) Merced.
Architect—Not Given.
State Board of Equalization refused permission requested by the Board of Supervisors to spend $30,000 for new isolation ward at the County Hospital.

10— HOTELS

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 401 Broadway.
Alterations to hotel and stores.
Owner—D. Diovannini and O. Sagentini, 2020 Alameda Ave., Alameda.
Architect—Not Given.

12— POWER PLANTS

CONTRACT AWARDED
SEATTLE, Wash.—Rumsey & Co., 3821 Airport Way, Seattle, at $339,010 submitted low bid and awarded contract by the Seattle Board of Public Works for the construction of a power house building, combination transformer and switch platform, railroad bridge and tailrace and furnishing and placing concrete in generator pedestals, walls, beams, slabs and around machinery in power house building, for the Diablo Power Project, Skagit River Power Development.
The other bids were:
Sound Const. & Engr. Co., Seattle, $349,653.00.
General Const. Co., Seattle, $380,940.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Sub-Contracts Awarded.
COURTHOUSE Cost, $125,721
VISALIA, Tulare Co., Cal.
Four-story reinforced concrete addition to present structure (50x100) steam heating plant, steel sash, elevator, dampproofing; granite exterior plaster, metal studs, vaults, hardwood trim, insulation, composition roofing.
Owner—County of Tulare.
Architect—Ernest J. Kump, Rowell-Chandler Bldg., Fresno.
Contractor — Frank J. Reilly, 6350 Fulton St., San Francisco.
Plumbing—Scott Co., 243 Minna St., San Francisco.
Heating—J. A. Nelson, Tenth and Howard Sts., San Francisco.
Other awards previously reported.

Bids Wanted—To Close Oct. 24, 2:30 P. M.
ARMORY Cost, $93,000
KLAMATH FALLS, Oregon.
Construct Klamath Armory.
Owner—Klamath Armory Bldg. Committee, City Hall, Klamath Falls.
Architect—Howard R. Perrin, 206 Underwood Bldg., Klamath Falls.
On previous bid opening lowest bid was submitted by Oscar Wayman, Worcester Bldg., Portland, at $125,789.
Plans and specifications may be obtained from the architect upon deposit of $25.00.

BOND ELECTION
SAN LEANDRO, Cal.—City of San Leandro will vote bonds on November 6th in the amount of $24,000. Proceeds to finance construction of a new City Hall in San Leandro. Preliminary plans prepared by A. Pelton Jr., City Hall, San Leandro.

Preparing Working Drawings
COURT HOUSE Cost, $380,000
SAN LUIS OBISPO, Calif.
Three-story reinforced concrete Class A court house (181x118 ft.) reinforced concrete frame, brick filler walls, hollow terra cotta tile partitions, reinforced with metal sash marble and tile work, plastered exterior, Spanish tile roof, steam heat, one elevator, etc.
Owner—County of San Luis Obispo.
Architect—Walker & Eisen, 708 Pacific Commerce Bldg., Los Angeles.
Building will contain a hall of records, storage rooms and county welfare department in the basement; supervisors' offices, assessor's, tax collector's, auditor's, and county clerk's offices on the ground floor; court rooms county engineer and surveyor's, superintendent of schools and district attorney's quarters on the second floor; sheriff's quarters and a jail with accommodations for 48 prisoners on the third floor.
Work on the rear wing, which will cost about $75,000, will be started first while construction of the rest of the building will probably be put under way upon completion of the first unit.

BIDS WANTED
SACRAMENTO, Cal. — Until Oct. 25, 8:15 P. M., bids will be received by H. G. Denton, City Clerk, City Hall, Sacramento, for furnishing and installing one electric passenger elevator for the Sacramento City Library.
Plans and specifications may be obtained from above office. Certified check in the sum of 10% of amount bid required with each bid.

To Ask Bids Shortly.
COURT HOUSE Cost, $1,800,000
OAKLAND, Alameda Co., Cal. Fallon and Twelfth Streets, Oak and 13th.
Twelve - story fireproof court house (structural steel frame, reinforced concrete walls, permanent and earthquake resistive; plumbing, heating, ventilating, electric work, elevators (to house all county offices and courts) three lower floors to be 176x245-ft. and upper floors 116x116-ft.
Owner—County of Alameda.
Architects—W. G. Corlett, James E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).
Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.
Upon approval of plans by PWA, bids will be asked on the following basis:
(1) Lump sum bid covering entire project, including furnishing and installation of jail equipment;
(2) Lump sum bid similar to (1) but excluding furnishing and installing of jail equipment;
(3) Lump sum bid similar to (2) but excluding (a) Excavation and foundation work; (b) structural steel and erection; (c) elevators; (d) mechanical work;
(4) Excavation and foundation work;
(5) Structural steel and erection;
(6) Elevators;
(7) Mechanical works;
(8) Furnishing and installing jail equipment.
Work will be financed by bonds proceeds of $1,712,000 and a PWA grant of $462,000.

Contracts Awarded.
AUDITORIUM Cont. Price, $314,000
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three-story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. E. Goodwin, City Manager).
Architect — Binder & Curtis, 35 W. San Carlos St., San Jose.
Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.
Contractor—Charles A. Thomas, 127 Clayton Ave., San Jose.
Mechanical Equipment — Hately & Hately, 1710 Tenth St., Sacramento, at $42,393.
Electric—Guilbert Bros., 286 W. Santa Clara St., San Jose, at $17,150.
Plumbing—A. J. Peters, 455 Washington St., San Jose, at $11,628.
Sprinkler bids rejected.

SITE BIDS WANTED
VISALIA, Tulare Co., Cal.—Visalia City Council will receive bids for the purchase of the present library site in Visalia. If present site is purchased it will pave the way for the proposed new library in the Tipton-Lindsay district. Preliminary plans prepared by Architect E. J. Kump, Rowell Bldg. Fresno.

14— RESIDENCES

Additional Sub-Contracts Awarded
RESIDENCE Cost, $——
WOODSIDE, San Mateo Co., Calif.
Addition to two-story frame residence.
Owner—D. C. Jackling, Hobart Bldg., San Francisco, and Woodside.
Architect — Floyd Brewster, Mission Canyon, Santa Barbara.
Contractor—Lindgren and Swinerton, Inc., 225 Bush St., San Francisco.
Glass—Acme Glass Co., 851 Alma St., Palo Alto.
Hardwood Floors—Royal Floor & Linoleum Co., 7th and Brannan Sts., San Francisco.
Othere awards reported October 1.

Contract Awarded
ADDITION Cost, $2000
REDWOOD CITY, San Mateo Co., Cal. 121 Lincoln Street.
Addition to residence.
Owner—A. Toriglios.
Architect—Not Given.
Contractor—J. Meconi, 615 Myrtle St. Redwood City.

Preparing Working Drawings.
COTTAGE Cost, $4000
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
One-story frame warden's cottage (5 rooms); art tile roof, etc.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Bids will be asked in about three weeks.

BIDS WANTED
STOCKTON, San Joaquin Co., Cal. —Until October 29, 11 A. M., bids will be received by J. H. Plummer, Deputy Clerk, Board of Supervisors, stockton, for erecting Ferry Tender's house at site of Venice Island Ferry on Empire Tract side of King Island Road about thirteen miles northwest of Stockton. Plans and specifications prepared by the County Surveyor, 105 S. Sutter St., Stockton, and same may be procured from him.

Contract Awarded
RESIDENCE Cost, $8000
SAN FRANCISCO. Baker and Francisco Streets.
One - story and basement frame and stucco residence (6 rooms) terra cotta tile roof, gas heating system, hardwood floors, tile bath).
Owner—William Raffetto.
Architect—Albert Schroepfer, 681 Market Street.
Contractor—Fracchia & Trufelli, 2450 Chestnut Street.

Contract Awarded
PENTHOUSE Cost, $5961
BAKERSFIELD, Kern Co., Calif. 2018 Chester Avenue.
Penthouse on P. Kosel Bldg. (install elevator, pit and shaft).
Owner—J. Kosel Bldg., Bakersfield.
Architect—Not Given.
Lessee—J. C. Penny.
Contractor—Stroud Bros. & Seabrook, Union Avenue, Bakersfield.

Plans Being Completed
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. Cragmont Avenue.
One - story and basement frame and stucco residence (5 rooms) shake roof, gas heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect — Fred Confer, 2812 Russell Street, Berkeley.
Bids will be sakel on about 1 week.

Plans Being Completed
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors, type of heating not determined.)
Owner—Wm. Shackleton. 429 College Ave., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Bids will be asked in one week.

To Be Done By Day's Work.
RESIDENCE Cost, $7500
BERKELEY, Alameda Co., Cal. Oakmore Highlands.
Two-story frame, stucco and brick residence (7 rooms and 2 baths) shake roof, gas heating system hardwood floors, etc.
Owner—C. C. Lotz.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Work will be done by day's labor under the owner's supervision.

Contract Awarded.
RESIDENCE Cost, $10,500
BURLINGAME, San Mateo Co., Cal.
One-story and basement frame and stucco residence (6 rooms); shake roof, gas heating system, tile bath, hardwood floors, etc.
Owner—W. J. Bevan.
Architect — Ed. Musson Sharpe, 525 Market St., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.

Bids In—Held Under Advisement.
ADDITION Cost, $——
SAN FRANCISCO. No. 2100 Jackson Street.
Addition to pent house.
Owner—Withheld.
Architect—Albert Burgren, 30 Woodland Ave., San Francisco.
Bids ran high. Plans may be revised and new bids asked in about two weeks.

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. N Hollister St. 200 E Jennings St.
One-story and basement frame and stucco residence.
Owner—S. Tollini, 1174 Hollister St., San Francisco.
Architect—Not Given.
Contractor — C. A. Faggioni and J. Barsotti, 1567 Revere St., San Francisco.

Plans To Be Prepared.
RESIDENCES Cost, $——
RICHMOND Contra Costa Co., Cal.
Two one-story frame and stucco residences.
Owner—Richmond Co., Inc., Richmond
Architect—F. W. Confer, 2812 Russell St., Berkeley.

BIDS WANTED
GRAND COULEE DAM, Wash.—Until Nov. 8, 10 A. M., bids will be received by U. S. Bureau of Reclamation, Almira, Washington, for the construction of fourteen, three-room and sixteen, four-room residences at the Government Camp at Grand Coulee Dam, Columbia Basin Project, Washington. Buildings will be one-story and basement timber frame construction shingle or siding exterior, wood shingle roofs, plaster interior walls, etc. Specification No. 599.
Plans and specifications may be obtained from Bureau of Reclamation, Almira, Wash., Washington, D. C., and Denver Colorado.

Planned.
RESIDENCES Cost, $5000 each
SAN MATEO, San Mateo Co., Cal. Bayshore Highway and E-Third Avenue.
Construct group of 15 or 18 one-story frame and stucco residences.
Owner—Shore View Realty Co. (Harry Friend, President), 1430 Bellevue Ave., Burlingame.
Architect—To Be Selected.
Further details will be announced shortly.

Contract Awarded.
ADDITION Cost, $——
MILL VALLEY, Marin Co., Cal.
Sun porch addition to residence (frame construction).
Owner—T. J. Sewell.
Architect — D. E. Jaekle, Call Bldg., San Francisco.
Contractor—Melvin Klyce, 25 Eugene St., Mill Valley.

Construction Postponed Indefinitely.
RESIDENCE Cost, $8500
NAPA, Napa Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 2 baths); shingle roof, warm air heating system, hardwood floors, tile baths, etc.
Owner—J. O. Sperry.
Architect—Arthur Dudman, 67 Bungalow Ave., San Rafael.

Contract Awarded.
RESIDENCE Cost, $——
SUISUN, Solano Co., Cal.
One-story and basement frame and stucco residence (4 rooms) tile roof.
Owner—Not Given.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Contractor — Sam Bingham, 4925 U St., Sacramento.

Plans Being Prepared.
RESIDENCE Cost, $12,500
CLARKSBURG, Yolo Co., Cal.
Two-story rustic residence (12 rooms and 2 baths) shingle roof, hot air heating system, oak floors, etc.
Owner—George Wilson.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Bids will be asked from a selected list of contractors in about one week.

Contract Awarded
RESIDENCE Cost, $8500
CORTLAND, Yolo Co., Calif.
Two-story frame and stucco residence (eight rooms, two baths) Spanish style, tile roof, tiled baths, hardwood floors, etc.
Owner—Mr. Merwin.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Contractor—Wallace Peterson, 7107 Weld St., Oakland.

To Be Done By Day's Work
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Calif. 1665 Thousand Oaks Blvd.
Two-story frame and stucco residence (7 rooms).
Owner and Builder—A. E. Gould, 1040 Ramona Ave., Berkeley.
Architect—Not Given.

To Be Done By Day's Work
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 15 Veteran Way.
Two-story frame and stucco residence (six rooms).
Owner and Builder—C. D. Lyon, 6501 Buena Ventura Ave., Oakland.
Architect—Not Given.

Contract Awarded.
REPAIR RESIDENCE $2684
CARMEL, Monterey Co., Cal. Lot 1 Blk A-3, Addition No. 1.
Repair fire damage to residence.
Owner—Edith M. Nott, Carmel.
Architect—Hugh W. Comstock, Carmel.
Contractor—Miles Bain, Carmel.

Contract Awarded.
RESIDENCE Cost, $7000
HUGHSON, Stanislaus Co., Cal.
Two-story and basement frame and stucco residence (9 rooms and 2 baths) shingle roof, oil heating system, hardwood floors, tile baths etc.
Owner—S. C. Galt.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Contractor—A. L. Swanson, Turlock.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3732 Elston Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $3000
SAN FRANCISCO. N 26th Street 82 E Douglas Street.
One - story and basement frame and stucco residence.
Owner—Olga Peterson, 4386 26th St.
Architect—Not Given.
Contractor—G. L. Peterson, 4386 26th Street.

To Be Done By Day's Work
RESIDENCES Cost, $4,000
SAN FRANCISCO. W 22nd Ave. 81 N Wawona Street.
Two 1-story and basement frame and stucco residence.
Owner & Builder—Land Development Co., 364 Bush Street.
Architect—Not Given.

Sub-Contracts Awarded
RESIDENCE Cost, $6000
SAN JOSE, Santa Clara Co., Cal. 1565 Calaveras Avenue.
One - story and basement frame and stucco residence (6 rooms).
Owner—C. I. Joakimson, 1386 Naglee Ave., San Jose.
Architect—Not Given.
Contractor—Paul Anderson, 1210 Lincoln Ave., San Jose.
Lumber and Mill Work—Chase Lbr. Co., 547 W. Santa Clara St., San Jose.
Plumbing—John Peabody, 690 Morse St., San Jose.
Electric Work—S. & K. Electric Co., San Jose.
Excavation—Henry Sand, 1450 E. San Antonio, San Jose.
Concrete—Pyle Bros., 1404 Jonathan, San Jose.

15— SCHOOLS

Low Bidders
SCHOOL Cost, $——
GRAND COULEE DAM, Columbia Basin, Washington.
One-story timber frame school (94x99) play room, 45x75 ft., built-up roof, lathing and plastering, plumbing, heating and electrical facilities.
Owner—U. S. Government (Bureau of Reclamation, Almira, Wash.)
Plans by Engineering Dept. of Owner.
Low Bidder—American Builders, Inc., 6th St. S. and Alaska, Seattle.
Three low bids follow:
American Builders, Inc., Seattle $33,360.00
Hazen & Clark, Spokane 36,876.25
Roy I. Gummere, Tacoma 40,778.00
Bids held under advisement.

Construction To Start Immediately
MUSIC BLDG. Cost, $5000
SONOMA, Sonoma Co., Cal. Sonoma High School.
One-story music room for high school.
Owner—Sonoma High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Construction will start immediately under the SERA.

Bids Wanted—To Close Oct. 25, 7:30 P. M.
SHOP Cost, $7000
SALINAS, Monterey Co., Calif.
One - story wood frame general shop (steel trusses, wood sash, etc.)
Owner — Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Plans and specifications may be obtained from the architect or from the clerk of the board, Melrowe Martin, upon deposit of $5.00.

Plans Completed
SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Calif.
One- and two-story wing addition to high school, reinforced concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Plans have been forwarded to Sacramento and upon approval bids will be asked.

Bids Opened
SCHOOL Cost, $315,000
CORVALLIS, Oregon.
Three - story brick high school (brick facing; classrooms, auditorium, gymnasium and locker rooms).
Owner—Consolidated District No. 9, Benton County, Ore. (Joint School District No. 9-A, Benton and Lynn Counties).
Architect — Whitehouse, Stanton and Church, Railway Exchange Bldg., Portland.
Complete bids follow:

General Work
Ross B. Hammond, Inc., Spalding Bldg., Portland $220,368
L. H. Hoffman Co., Portland .. 222,129
Tuefel & Carlson, Seattle 293,000

Plumbing and Heating
A. G. Rushlight & Co., 407 SE Morrison, Portland ..... $ 44,581
H. C. Hastorf, Inc., Portland ... 46,220
Kendall Heating Co., Portland 49,139
Urban Plbg. & Htg. Co., Portland 49,711
Scott Co., San Francisco 53,041
Shea & Spidel, Portland 54,014
Eddy Electric Co., Stockton 55,427

Electric Wiring
NePage - McKenny Co., 115 NW 9th Ave., Portland ..... $ 9,293
W. R. Grasle Co., Portland 9,298
Dimitre Electric Co., Portland 10,300
Eddy Electric Co., Stockton 13,339
Bids held under advisement.

BOND ELECTION
MONTEBELLO, Los Angeles Co., Calif. — Montebello school board has called an election for November 20 at which time it is proposed to vote bonds in the sum of $900,000, proceeds to be used to finance the reconstruction of all high school and elementary school buildings in Montebello. T. C. Kistner, 814 Architects' Bldg., Los Angeles, architect.

LOW BIDDER
LONG BEACH, Calif.—Person and Thiele Co., 6206 San Vicente Blvd., Los Angeles, submitted low bid to Long Beach board of education at $136,300 for reconstructing and repairing the auditorium building at the Polytechnic high school site. Hugh R. Davies, 430 E. Ocean Ave., Long Beach, architect. Laurence J. Waller, 600 Kress Bldg., Long Beach, structural engineer.

BIDS WANTED
LYNWOOD, Los Angeles Co., Cal.—Until Oct. 29, 7:30 P. M., bids will be received by the Board of Public Building Reconstruction for reconstructing, rehabilitating and strengthening the Colonel Lindbergh elementery school in Lynwood. Plans are available at 311 California State Bldg., Los Angeles, upon deposit of $25.00. Marsh, Smith & Powell, 516 Architects' Bldg., Los Angeles, architects.

Project Abandoned
ADDITION Cost, $8500
CHOWCHILLA, Madera Co., Calif.
One - story concrete addition to high school (add music room) tile roof.
Owner—Chowchilla Union High School District (Mrs. G. W. Hier, Clerk).
Architect—Howard Bissell, 327 East Channel St., Stockton.

BIDS WANTED
LOS ANGELES, Cal.—Until Nov. 1, 11:30 A. M., bids will be received by the Los Angeles Board of Education, 1425 S. San Pedro St., for reconstruction, rehabilitation and strengthening the main building at the Orange Street school, located on the northeast corner of Eschelman Ave. and 259th St., Lomita. C. F. Skilling, 1008 W. Adams Blvd., architect and S. B. Barnes, 802 W. 3rd St., engineer. Cost $40,484.

Contract Awarded.
SCHOOL Cont. Price, $2856
MODESTO, Stanislaus Co., Cal.
One-story frame and stucco school (Enslen School Building).
Owner — Modesto Elementary School District (E. D. Abbott, Secretary) Modesto.
Architect—J. J. Donovan, 915 Barker St., Berkeley.
Contractor—H. W. Johnson, 1229 W. Magnolia St., Stockton.

Plans Completed.
SCHOOL Cost, $100,000
SAN FRANCISCO. Thirtieth Avenue near Lawton Street.
Two-story and basement school building (Lawton School) 15 classrooms, auditorium, kindergarten; tar and gravel roof, steam heating system, concrete frame, concrete walls, concrete floors, wooden studs, metal lath, etc.
Owner—City and County of San Francisco.
Architect — Dodge R. Riedy, Pacific Bldg., and Charles E. J. Rogers, Phelan Bldg., San Francisco.
Structural Engineer—Hyman Rosenthal, 821 Market St., S. F.
Mechanical Engineer — Robert L. St. John, 544 Market St., S. F.

Prospective Bidders
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Calif.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School District.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Following have procured plans. Bids open Oct. 23, 11 A. M.:
Campbell Const. Co., 800 R Street, Sacramento.
W. H. Ecker, 1658 S San Joaquin St., Stockton.
N. H. Sjoberg & Sons, Call Bldg., San Francisco.
O'Connor Bros., Red Bluff.
H. H. Henning, 1751 Berkeley Ave., Stockton.
J. Ballard, Reno.
Chas. F. Unger, 4532 T St., Sacramento.
E. T. Alderman, Portola.
J. P. Brennan, Redding.
Gordon Lee, Quincy.
Young & Horstmeyer, 461 Market St., San Francisco.

Plans and specifications may be obtained from the architect upon deposit of $15.00.

Plans Being Completed

HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Calif.
One-story steel frame and wood high school building.
Owner — Trinity Union High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be forwarded to the State Division of Architecture for approval in about one week.

LOW BIDDER

LOS ANGELES, Cal.—Contracting Engineers, Inc., 2310½ W. Vernon Ave., submitted low bid at $69,645 to Los Angeles Board of Education for reconstructing, rehabilitating and strengthening north and west buildings at Lorena Street School, located on the west side of Lorena St., bet. 7th and Atlantic Sts. The names of the following subcontractors submitted with low bidder's bid: L. W. Mills, electric wiring, $650; Chas. B. Swank, heating and ventilating, $554; A. Brenner, plumbing, $830; Paller & Goldstein, sheet metal, $220; Rodifer Inc., plastering, $3400; Case Constr. Co., gunite, $18,500; Modern Iron Works, structural steel, $3200. Paul Kingsbury, 516 N. Gower St., architect. Francis N. Dlouhy, 9273 Cordell Dr., West Los Angeles, structural engineer. 5

Planned.

GYMNASIUM Cost, $——
CHICO, Butte Co., Cal.
Men's gymnasium and outside swimming pool for state teachers' college.
Owner—State of California.
Architect — George B. McDougall, State Architects, Public Works Bldg., Sacramento.

Contract Awarded.

GARAGE Cont. Price, $2530
SANGER, Fresno Co., Cal. High School Site.
One-story bus garage (two stall).
Owner — Sanger Union High School District (H. F. Knapp, Clerk).
Architect — W. D. Coates, 626 Rowell Bldg., Fresno.
Contractor—W. D. Crutchfield, Sanger.
Complete bids follow:

W. D. Crutchfield	$2530
Wm. Hopkins, Fresno	2530
Henry Rosenthal, Sanger	2861
W. H. Jones, Sanger	2882
T. C. Irwin, Fresno	2961

Bids Wanted—To Close October 27, 7:30 P. M.

SCHOOL Cost, $14,000
WILLIAMS, Colusa Co., Cal.
Reconstruction of auditorium of the Williams School.
Owner—Williams Union Elementary School District (Ralph F. Fouch, Clerk).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Plans and specifications may be obtained from the architects and from the Clerk of the School District, Williams, Calif.

BIDS WANTED

LONG BEACH, Cal.—Until Oct. 26, 4 P. M., bids will be received by the Long Beach board of education for the construction of the two-story reinforced concrete and steel frame academic building at the Jefferson Junior high school site, located at the corner of Euclid Avenue and 7th Street, Long Beach. Warren A. Dedrick, 901 Heartwell Bldg., Long Beach, architect, and C. D. Wailes, Jr., Ocean Center Bldg., Long Beach, structural engineer. 5

Low Bidders.

SCIENCE BLDG..... Cost, $270,000
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete and brick science building (100x200 ft.) 10-year built-up roof, linoleum and cement floors, one passenger elevator, terrazzo floors(will contain museum, classrooms, laboratories, heating from central plant, etc.
Owner—State of Washington.
Architect—S. A. Smith, Premises.
Low Bidder — Ross B. Hammond, Spaulding Building, Portland, at $194,312.
Plumbing and Heating—H. S. Hastorf, Inc., 735 S. E. Morrison St., Portalnd, and H. D. Powell, Pullman, at $26,000.
Bids held under advisement.

BIDS WANTED

SEATTLE, Wash.—Until October 29, 2 P. M., bids will be received by Board of Regents of the University of Washington for finish hardware (furnishing only), lighting fixtures, (construction and installation) for the addition to the library at the University of Washington, Seattle. Bebb & Gould, 715 Hoge Bldg., Seattle, architects. Plans and specifications may be obtained from the architects upon deposit of $10 for hardware and $15 for lighting fixture plans and specifications.

Plans Being Completed.

SCHOOL Cost, $300,000
SAN FRANCISCO. No. 150 Brompton Street.
Construct Glen Park School.
Owner—City and County of San Francisco.
Architects—Louis P. Hobart, Crocker Bldg., and Bliss & Fairweather, Balboa Bldg., San Francisco.
Structural Engineer—John B. Leonard 677 Tenth Ave., San Francisco.
Mechanical Engineer—Robert L. St. John, 544 Market St., S. F.
Bids will be asked shortly.

BONDS FOR SALE

WASCO, Kern Co., Calif. — Wasco Union High School District will sell bonds on November 5 in the amount of $42,000, proceeds of which are to finance construction of a one-story reinforced concrete science building at the Wasco High School. Plans prepared by Architect E. J. Symmes, 215 Haberfelde Bldg., Bakersfield.

Bids Opened

SCHOOL Cost, $16,300
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 192 Main St., Hayward.
Low Bidder—Geo. Petersen, 1841 Bancroft Ave., San Leandro.
Complete basic bids follow:

George Petersen, San Leandro	$11,634
Albert Haskell, Oakland	11,840
John E. Branagh, Oakland	12,900
A. Holyoake, Hayward	14,854
H. Suttle, Hayward	15,034
Kelly & Tulloch, Oakland	15,260
Young & Horstmeyer, S. F.	15,750

Alternate proposals will be available within a few days. Bids held under advisement.

Bids Wanted—To Close Nov. 1, 8 P.M.

SHOP Cost, $15,000
SELMA, Fresno Co., Calif.
One - story reinforced concrete shop building (steel trusses, concrete floors, gravel roof) will contain offices and tool room, etc.
Owner—Selma Union High School District (Geo. Howden, Principal).
Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.

Contracts Awarded

SCHOOL Cont. Price, $590,632
SAN FRANCISCO. Thirtieth to 32nd Avenues and Geary to Balboa Sts. (George Washington High School).
Three - story reinforced concrete academic unit (architectural tile in inserts on exterior, stone main entrance with metal canopy, interior to be treated throughout with acuostical material on the ceilings, terra cotta wall units as wainscoting; linoleum coverings in halls; natural slate blackboards; passenger elevator; electric dumbwaiter; California marble interior in lavatories and shower rooms; composition tile floor in cafeteria; tile and terrazzo in lavatories and utilities rooms; wood and metal sash; burglar-proof windows and tool-proof steel doors for armory; 2000 metal lockers; fencing; metal and bronze entrance doors; completely equipped kitchen.
Owner—City of San Francisco (School Department).
Architect—Miller & Pflueger, 580 Market Street.
Structural Engineer—W. L. Huber, 1 Montgomery Street.
Contractor—Meyer Const. Co., 735 Portola Drive (Alternates 1, 3, and 5 accepted).
Electric—Lynn & Heffernan, 114 Ashton Ave., $56,510.
Mechanical Equipment, Plumbing and and Gas Fittings:—Anderson and Rowe, 45 Belcher St., $82,917.
Following sub-contracts submitted with successful contractor's bid:

General Work

Picture Screens — Fred Turner, 557 Market, St., $296.
Misc. and Ornamental Iron—Monarch Iron Works, 262 7th St., $8490.
Terra Cotta—N. Clark & Sons, 112 Natoma St., $13,222.50.
Terra Cotta Units—Kraftile, Niles, Cal. $15,285.
Brick Work—J. R. Collins, 666 Mission St., $14,950.
Setting T. C. Units—Albert Cook Tile Co., 334 Claremont, $5500.
Painting—R. P. Paoli & Co., 3159 Fillmore St., $17,340.
Vitrolite — Vitrolite Const. Co., 1490 Mission St., $102.
Leather Mat—Leather Mat Mfg. Co., 340 Sansome St., $64.
Flag Pole—L. Bolander & Sons, 954 Bryant St., $428.
Lockers—Forderer Cornice W'ks, 16th and Potrero, $13,200.
Kalamein Work — Forderer Cornice Works, $6593.
Metal Windows—Soule Steel Co., 1750 Army St., $788.
Limestone — Indiana Limestone Co., 130 Lunado, $4023.
Safety Treads—D. N. & E. Walter Co., 562 Mission St., $2589.34.
Asphalt Tile—Van Fleet - Freear, 557 Howard St., $1869.90.
Linoleum—West Coast Linoleum Co., 2703 Mission St., $21,000.
Cork Carpet—West Coast Linoleum Co. $2300.
Excavation—R. A. Farish, 14 Pinehurst Way, $8500.
Screens—Forderer Cornice W'ks, $850.
Granite Alt. 6—McGilvray Raymond, 3 Potrero Ave., $4731.
Granite Alt. 7—McGilvray Raymond, $3498.
Cast Stone Alt. No. 1—MacGruer and Harrison Sts., $1913.47.
Cast Stone Alt. No. 2—MacGruer and Co., $15,998.
Finish Hardware — Palace Hardware

COLORADO RIV

LOS ANGELES, Cal. — Following is a complete tabulation of the total bids on each schedule received by the Metropolitan Water District, Oct. 11, under Specifications No. 70, for the construction of cut-and-cover conduit, concrete-lined canal, pre-cast and monolitic concrete siphons, steel pipe siphons, and appurtenant works of the Colorado River Aqueduct stations 675 plus 75 to 7251 plus 90. The work, which is located in San Bernardino and Riverside Counties, comprises approximately 110.62 miles of aqueduct construction between a point about 6 miles north of the town of Earp, California, on the Phoenix branch of the A. T. & S. F. Ry., and a point about 12 miles east of the town Indio, Calif., on the Southern Pacific Railway.

The bidders were:

(A) Hanrahan Co., Hobart Bldg., San Francisco; Youdall Constr. Co., 215 Market St., San Francisco; Elliott, Stroud Bros. & Seabrook, 1212 Ethel Street, Glendale; Charles Harlowe, Jr., 215 Market St., San Francisco, and C. M. Elliott, 1120 Atchison St., Pasadena. Cashier's check totalling $217,000. This group will not accept awards exceeding $3,500,000.

(B) Shofner & Gordon and Hinman Bros. Constr. Co., 5670 Wilshire Blvd., Los Angeles. Certified checks, $80,000.

(C) Barrett & Hilp, 918 Harrison St., San Francisco, and Macco Constr. Corp., Clearwater, California. Certified check, $150,000.

(D) Six Companies, Inc., Boulder City, Nevada. Certified checks totalling $600,000.

(E) Griffith Co., 502 L. A. Railway Bldg., Los Angeles, Certified check, $76,000.

(F) J. A. Terteling & Sons, Boise, Idaho. Certified checks, $75,000.

(G) Foley Bros., Inc., New York Bldg., St. Paul, Minn. Certified check, $375,000.

(H) Southwestern Contracting Group, Inc., 1304 Edwards & Wildey Bldg., Los Angeles. Certified check totalling $300,000. This firm is composed of the following members: Bent Bros., Inc.; Winston Bros. Co.; L. E. Dixon Co.; Wm. C. Crowell, and W. A. Johnson.

(I) West 615 Ri geles. $125,0

(J) Bate Co., B Certifie

(K) S. S rian, check,

(L) Mitt 5531 Angele $70,00

(M) C. Stockto da, 31 ton. (000. $1,500

(N) Jahr Co., L Los Ar check,

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	Sched. 1	Sched. 1A	Sched. 1B	Sched. 2	Sched. 2A	Sched. 2B	Sched. 2P	Sch
(A)	$ 930,331.00	$60,568.00	$ 45,875.00	$ 922,442.00	$55,626.00	$ 168,399.00	$	$ 587,
(B)	998,120.00	67,030.00	50,025.00	1,005,560.00	50,695.00	177,157.00	.....	.....
(C)	1,055,844.00	66,714.00	49,586.00	1,006,385.00	58,388.50	201,163.10	356,802.02	555.
(D)	1,063,280.00	76,785.00	56,376.50	1,053,931.00	58,329.06	232,061.50	.....	584,
(E)	1,066,561.50	59,731.50	45,495.00	1,069,309.00	50,565.00	167,956.00	392,471.62	.....
(F)	1,172,195.00	58,760.00	43,170.50	1,224,645.00	48,772.50	217,902.50	.....	667,
(G)	1,172,704.00	95,588.00	59,446.90	1,208,128.00	70,660.00	231,409.80	.....	867,
(H)	1,172,761.00	98,364.70	69,143.70	1,175,768.80	69,122.10	239,682.40	383,572.90	729,
(I)	1,255,115.00	88,706.00	65,551.00	1,224,000.00	70,652.00	295,681.00	362,239.52	751,
(J)	1,293,222.50	93,281.00	75,241.50	1,398,580.60	80,108.20	324,381.70	391,610.20	.....
(K)	1,322,801.00	95,482.00	72,742.10	.....	.....	.....	.....	.....
(L)	.....	.....	.....	988,592.00	54,588.00	262,892.00	356,802.02	465
(M)	.....	.....	.....	.....	.....	.....	.....	569,
(N)	.....	.....	.....	.....	.....	.....	.....	.....

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	Sched. 6	Sched. 6P	Sched. 6S	Sched. 7	Sched. 7A	Sched. 8	Sched. 8A	Sched. 8B	Sched. 8P	Sched. 9
(A)	$390,302.00	$.....	$.....	$456,786.50	$214,454.00	$427,840.00	$226,993.00	$122,997.00	$.....	$650,042.00
(C)	.....	.....	.....	578,089.00	275,371.00	637,641.00	274,281.40	125,128.50	224,035.75	683,956.30
(D)	425,374.50	.....	.....	409,501.30	239,083.50	716,862.00	300,858.50	137,941.00	.....	.....
(G)	472,901.30	.....	.....	.....	.....	.....	.....	.....	.....	.....
(H)	.....	.....	.....	558,962.80	272,024.50	787,902.80	320,957.80	146,042.20	240,792.45	854,096.40
(M)	400,884.00	.....	.....	576,715.50	206,180.00	565,835.00	223,832.00	95,039.50	.....	625,009.00
(N)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(O)	458,090.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
(P)	.....	643,831.50	.....	.....	.....	.....	.....	.....	.....	.....
(Q)	.....	655,698.00	.....	.....	.....	.....	.....	.....	.....	.....
(R)	.....	.....	846,803.25	.....	.....	.....	.....	.....	.....	.....
(S)	.....	.....	847,233.10	.....	.....	.....	.....	.....	.....	.....
(T)	.....	.....	925,907.58	.....	.....	.....	.....	.....	.....	.....
(U)	.....	.....	935,682.11	.....	.....	.....	.....	.....	.....	.....
(V)	.....	.....	.....	.....	.....	.....	.....	.....	.....	627,623.00
(W)	.....	.....	.....	.....	.....	.....	.....	.....	.....	776,742.00
(X)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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	Sched. 12	Sched. 12A	Sched. 12S	Sched. 13	Sched. 13A	Sched. 13B	Sched. 14
(A)	$1,309,900.50	$108,505.50	$159,748.00	$416,081.00	$ 54,057.50	$159,275.00	$1,001,655.00
(B)	1,300,431.50	154,170.00	212,586.70	.....	.....	.....	949,552.00
(C)	.....	.....	.....	522,270.00	66,387.85	190,752.50	1,168,726.00
(E)	.....	.....	.....	.....	.....	.....	1,008,379.25
(H)	1,384,055.95	.....	172,239.90	599,093.60	83,521.55	217,631.00	1,172,492.20
(I)	.....	.....	.....	.....	.....	.....	1,273,022.50
(J)	.....	.....	.....	.....	.....	.....	1,485,157.70
(M)	.....	.....	.....	450,831.00	65,325.00	166,021.00	1,059,480.00
(W)	1,578,014.00	130,195.00	.....	532,936.00	69,145.00	236,167.50	1,298,518.00
(X)	1,433,802.90	106,616.00	.....	558,905.00	74,116.25	196,307.50	1,071,641.30
(Y)	1,172,211.50	141,060.80	181,277.00	.....	.....	.....	.....
(Z)	1,609,500.00	161,075.00	193,495.85	.....	.....	.....	1,261,953.85
(AA)	.....	.....	.....	.....	.....	.....	847,219.05
(AB)	.....	.....	.....	.....	.....	.....	1,009,441.90
(AC)	.....	.....	.....	.....	.....	.....	.....

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Constr. Calif. 00.

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k 49, Bevan- Stock- $80,- over

Constr. Bldg., ified

(O) Barnard-Curtiss Co., 808 Phoenix Bldg., Minneapolis, Minn. Certified check, $30,000.

(P) United Concrete Pipe Corp., Box 1, Station H, Los Angeles. Certified check, $35,000.

(Q) American Concrete and Steel Pipe Co., P. O. Box 1428, Arcade Station, Los Angeles. Certified check, $33,500.

(R) Western Pipe & Steel Co. of Calif., 5717 Santa Fe Ave., Los Angeles. Certified check, $50,000.

(S) Babcock & Wilcox Co., 444 17th St., Denver, Colo. Certified check, $55,000.

(T) Consolidated Steel Corp. Ltd., P. O. Box 1348, Arcade Station, Los Angeles. Certified check, $50,000.

(U) Southwest Welding & Mfg Co., 3201 West Mission Road, Alhambra. Certified check, $50,000.

(V) Utah Construction Co., 1 Montgomery St., San Francisco. Certified check, $100,000.

(W) Bechtel-Kaiser-Warren Co., John Phillips Co., and Fredrickson & Watson Construction Co., Latham Square Building, Oakland. Certified checks totalling $500,000.

(X) John F. Shea Co., Inc., Portland, Oregon, and 610 S. Main St., Los Angeles. Certified check $350,000.

(Y) Three Companies, Inc., 1900 31st St., Denver, Colo. Certified check, $75,000. This firm is composed of the following members: Vincent K. Jones, W. S. Broderick and D. G. Gordon, all of Denver.

(Z) A. Guthrie Co., Inc., St. Paul, Minn.; Mark C. Walker & Son, Omaha, Neb., and Guthrie McDougall Co., Portland, Oregon. Certified check, $250,000.

(AA) Thompson-Starrett Co., Inc., 444 Madison Avenue, New York City. Certified check, $150,000.

(AB) Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg., Cleveland, Ohio. Certified check, $125,000.

(AC) Morrison-Knudsen Co., 411 W. Fifth St., Los Angeles. Certified creck, $45,000.

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ed. 3A	Sched. 3B	Sched. 3P	Sched. 4	Sched. 4A	Sched. 5	Sched. 5A
,949.00	$ 279,702.00	$	$ 744,986.00	$ 155,416.00	$ 740,214.00	$ 183,541.00
.....	.....	.....	.....	.....	.....	.....
,286.50	340,379.50	488,681.00	777,880.00	176,313.30	728,495.80	209,168.00
,709.50	386,308.00	.....	813,791.50	182,512.00	781,015.40	237,137.50
.....	.....	.....	.....	.....	.....	.....
,622.50	365,315.00	.....	936,937.50	169,265.00	902,228.00	222,787.50
.....	468,255.00	.....	.....	208,499.80	947,450.00	276,238.10
,873.90	310,381.10	525,315.80	858,296.70	207,964.70	.....	275,118.90
.....	494,188.00	496,061.35	1,028,432.50	202,386.50	989,219.50	263,475.50
.....	.....	.....	1,261,636.50	196,468.00	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	456,314.00	488,681.35	564,398.00	118,433.00	642,344.00	.....
,299.00	290,395.00	.....	.....	.....	.....	153,106.00
.....	.....	.....	580,725.00	123,593.00	551,405.00	161,602.00

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ed. 9B	Sched. 9C	Sched. 10	Sched. 10A	Sched. 10B	Sched. 11	Sched. 11A	Sched. 11B	Sched. 11C	Sched. 11P
,840.00	$ 22,506.00	$596,410.75	$174,441.00	$ 48,653.00	$424,390.00	$154,207.00	$186,010.00	$110,620.00	$ .....
,891.90	27,493.55	674,656.70	210,190.90	53,610.60	558,360.10	158,120.60	213,448.00	132,963.85	227,538.10
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,773.10	39,667.77	787,641.95	216,492.40	70,792.33	652,546.70	206,661.85	258,428.60	157,090.00	244,605.85
,196.00	19,416.00	611,544.50	186,256.00	43,568.50	519,696.00	216,996.50	207,486.00	126,330.00	.....
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,879.50	20,305.00	691,234.50	190,050.00	55,775.50	.....	.....	.....	.....	.....
,571.00	30,370.50	760,841.50	288,547.00	74,500.00	624,452.50	164,814.70	289,812.00	187,905.00	.....
.....	.....	.....	.....	.....	662,238.45	149,868.60	226,800.00	130,450.00	.....

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ed. 14P	Sched. 15	Sched. 15B	Sched. 15A	Sched. 15P	Sched. 16	Sched. 16B	Sched. 16A
.....	$1,059,670.00	$ 42,815.00	$ 61,335.00	$.....	$702,111.00	$103,242.00	$ 64,401.00
.....	1,084,172.00	40,325.00	58,089.00	.....	694,216.00	93,912.25	63,698.25
54,526.25	1,246,356.00	47,005.00	72,057.00	.....	.....	.....	.....
170,082.00	1,092,243.50	39,245.50	50,922.00	.....	.....	.....	.....
166,248.75	1,212,415.30	58,218.00	91,065.70	.....	.....	.....	.....
157,049.25	1,409,808.00	51,255.00	79,306.50	.....	.....	.....	.....
170,128.50	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....
.....	1,421,528.00	55,313.00	86,543.00	.....	892,165.50	132,492.00	83,451.00
.....	1,144,442.40	49,174.00	77,316.00	.....	.....	.....	.....
.....	1,384,293.50	54,458.00	88,715.00	.....	879,255.00	129,217.50	79,167.00
.....	915,790.70	44,394.40	67,861.65	.....	641,590.90	112,554.30	60,776.00
186,832.68	1,091,665.10	45,786.25	71,246.74	144,405.80	.....	.....	.....
.....	.....	.....	.....	.....	648,199.00	103,465.00	65,367.00

581 Market St., $13,200.
Blackboards — American Seating Co., 521 Mission St., $8295.
Roofing—Alta Roofing Co., 976 Indiana St., $3787.
Kitchen Equipment—John G. Ills Co., 2902 19th St., $10,499.
Fencing—Michel & Pfeffer, 10th and Harison Sts., $1913.47.
Fumi Cabinet Flue—Western Asbestos Co., 675 Townsend St., $277.
Window Hardware—Dalmo Sales Corporation, 511 Harrison St., $9000.
Elevator Dumb Waiter—Pacific Elevator Co., 45 Rausch St., $7800.
Shades—D. N. & E. Walter Co., 562 Mission St., $5427.30.
Duraflex Floors—Gunn-Carle & Co., 20 Potrero Ave., $461.70.
Terrazzo—M. H. Gnecco and Co., 36 Wood St., $2545.
Marble—Eastman Marble Co., 209 Mississippi St., $3800.
Lathing—S. Buford Chasten, 660 Mission St., $12,480.
Handrails—E. D. Philbrick, 41 Sheridan, $980.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., $15,383.
Tile—Richmond Tile Co., 1115 Clement St., $7740.
Asphalt Paving—Theo. Cohn, 645 Russ Bldg., $.03 sq. ft.
Acoustic Tile—Acoustical Engr. Co., 557 Market St., $11,487.
Plaster Waste Mold—P. O. Tognelli, 475 Francisco St., $600.
Vault Door—Munthe Co., 7 Front St., $125.
Key Cabinet—Trask & Squire, 39 Natoma St., $581.
Folding Partition—Dwan & Co., Call Bldg., $934.
Steel Filing Cabinets—Munthe Equip. Co., 7 Front St., $420.
Picture Screens — Fred Turner, 557 Market St., $296.

Electric

Clock and Program System — F. A. Thomas Co., Inc., 47 2nd Street, $3,091.76.
Fire Alarm System—The Autocall Co., 320 Market St., $1,315.16.
Connecting Telephone and Centralized Radio Systems—Cain Telephone & Signal Co., 420 Market, $387.60.
Mechanical Equipment, Plumbing and Gas Fitting
Oil Burner—Ray Burner Co., 401 Bernal Ave., $1,371.
Covering—Western Asbestos Magnesia Co., 675 Townsend St., $3,694.
Temperature Control — Johnson Service Co., Rialto Bldg., $3,284.
Sheet Metal and Ventilation—Jas. A. Nelson, Inc., 1375 Howard Street, $2,349.
Brick—S. F. Firebrick and Furnace Const. Co., 1135 Mission St., $1,-131.00.

Sub-Contracts Awarded
SCHOOL REPAIRS Cost, $18,000
LOS GATOS, Santa Clara Co., Calif.
Repairs and reconstruction of elementary school (timber frame bldg.) carpentry work, some structural steel, etc.
Owner—Los Gatos Elementary School District (Dr. E. E. Colvin, Pres.)
Engineer—W. L. Huber, 1 Montgomery St., San Francisco.
Contractor—J. C. Monk, 45 Tait St., Los Gatos.
Electric Wiring—D. C. Heath Electric Co., P. O. Box 105, Los Gatos.
Structural Steel—Golden Gate Iron Works, 1541 Howard Street, San Francisco.
Reinforcing Steel—San Jose Steel Co., 13th and Berryessa Road, San Jose
Roofing—Fred Hayden, Stockton St., San Jose.
Painting—A. A. Zelinsky & Sons, Inc. 4420 California St., San Francisco.
Plastering—G. Romani and Sons, 465 Manor Ave., San Jose.
Lumber — Sterling Lumber Co., 1607 32nd St., Oakland.
Concrete—A. Contardo and Co., 228 Bachman Ave., Los Gatos.
Construction is just starting.

BIDS WANTED
LOS ANGELES, Cal.—Until Nov. 6, 11:30 A. M., bids will be received by the Los Angeles board of education purchasing bureau, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening of the main brick building at Wadsworth Street school, 1025 E. 38th St. Rea & Garstang, 907 Pacific Southwest Bldg., Los Angeles, architect, and C. G. DeSwarte, 811 W. 7th St., structural engineer. Cost, $92-884.

BIDS WANTED
BELLFLOWER, Los Angeles Co., Cal.—Until Nov. 5, 2 P. M., bids will be received by the Board of Public Building Reconstruction at Bellflower for repairing the Washington school in Bellflower. Separate bids will be taken on the general work and the electric wiring. Plans may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, architects.

BIDS WANTED
COMPTON, Los Angeles Co., Cal.—Until Nov. 5, 11 A. M., bids will be received by the Board of Public Building Reconstruction at Compton for reconstructing the Orange Ave. School in Compton. Plans may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. H. L. Gogerty, 6272 Yucca St., Los Angeles, architect.

BIDS WANTED
LOS ANGELES, Cal.—Until Nov. 6, 11:30 A. M., bids will be received by the Los Angeles board of education purchasing division, 1425 S. San Pedro St., for reconstructing, rehabilitating, and strengthening the main building at the Woodlawn Ave. school, 6314 Woodlawn Ave., Bell. L. A. Parker, 804 Architects' Bldg., architect. Cost, $24,412.

CONTRACT AWARDED
LAS VEGAS, Nev.—O. K. Plumbing Co., Las Vegas, awarded contract by Las Vegas Union School District, at $2259, for repairs to heating plant of the old Las Vegas high school and the installation of radiators in school tents.

GRANT APPROVED
BERKELEY, Alameda Co., Calif.—Federal Public Works Administration has approved grant of $228,000 to Berkeley School District, representing 30 percent of the estimated cost of labor and materials in construction of high school buildings planned under the $677,000 bond issue to be voted on November 6.

Plans Completed.
SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Cal.
One-and two-story wing addition to high school, reinforced concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Final plans have been forwarded to Sacramento and upon approval bids will be asked.

Plans Being Prepared.
ALTERATIONS Cost, $——
SACRAMENTO, Sacramento Co., Cal.
NW Ninth and K Streets.
Alterations and additions to store building (123x160 feet); lighting fixtures, air conditioning system, show cases, etc.
Owner—Hale Bros., Fifth and Market Sts., San Francisco.
Architect—To Be Selected.
Proposed work is in a preliminary stage and further details will be announced in about two weeks.

Contract Awarded.
ALTERATIONS Cost, $500
BERKELEY, Alameda Co., Cal. No. 2573 Shattuck Avenue.
Alterations to store building (new flooring, etc.)
Owner—American Trust Co., 464 California St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—George Swanstrom, 1615 78th Ave., Oakland.

Plans Being Figured—Bids Close Oct. 22, 3 P. M.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. 19th and Franklin Streets.
Alterations and additions to medical building (changes to lobby and entrance).
Owner—Not Given.
Architect — Aloert Schroepfer, 681 Market St., San Francisco.
Bids are being received from a selected list of contractors.

CONTRACT AWARDED
LOS ANGELES, Cal.—Lilly-Fletcher Const. Co., 9815 Wilshire Blvd., Beverly Hills, awarded contract for erection of a 2-story reinforced concrete medical office building (130x81-ft.) on the northwest corner of Wilshire and Lucerne Blvds., for the Medical Foundation, D. H. Naylor, Jr. president. A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., are the architects. Construction will start within 30 days.

16—BANKS, STORES AND OFFICES

Planned
ALTERATIONS Cost, $—
OAKLAND, Alameda Co., Calif. NW Shattuck Ave. and Bancroft Way.
Alterations to Donogh Bldg. for food markets.
Owner—Withheld.
Architect—Not Given.
Agent—White Pollard & Wood, Inc., 1727 Franklin St., Oakland.

Preliminary Plans Being Prepared
STORE Cost, $300,000
SACRAMENTO, Sacramento Co., Cal. SW Ninth and K Sts. (80x160 ft.)
Two - story, basement and mezzanine floor structural steel and reinforced concrete department store and mail order house.
Owner—Montgomery Ward & Co.
Plans by Engineering Dept. of Owner, Chicago.

PROSPECTIVE BIDDER
OAKLAND, Cal.—Dinwiddie Const. Co., 210 Crocker Bldg., San Francisco have procured plans for the purpose of submitting a bid to Architect Albert Schroepfer, 681 Market St., San Francisco, for the construction of alterations and additions to Medical Building on 19th and Franklin Streets, Oakland, for which bids will be opened October 22.

CONTRACT AWARDED
SAN FRANCISCO—M. E. Vukicevich, 666 Mission St., at $6393 awarded contract by Department of Public Works for fire escapes at the Starr King School, located on the southeast corner of 25th and Utah Streets.

Contract Awarded
ALTERATIONS Cost, $1000
SAN FRANCISCO. SW Pine and Polk Streets.
Alterations to store building.
Owner—A. Solari, 3015 Franklin St.
Architect—Not Given.
Contractor—Masarie and Cuneo, 1285 Union Street.

Sub-Contracts Awarded.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. NE Market and Powell Streets.
Alterations to office building.
Owner—Flood Realty Co., Flood Bldg., San Francisco.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.
Engineer — T. Rosenberg, Crocker Bldg., San Francisco.
Contractor—H. S. Meinberger, 343 4th St., San Francisco.
Concrete—Bay Concrete Co., 365 Ocean Ave., San Francisco.
Electric Wiring—Chas. Langlais, 472 Tehama St., San Francisco.
Structural Steel—Schrader Iron Wks. 1247 Harrison St., San Francoisco.
Reinforcing Steel—W. C. Hauck Co., 280 San Bruno Ave., S. F.
Plastering—G. Jacobson, 63 Brady St. San Francisco.
Elevators—Westinghouse Elec. Elevator Co., 1 Montgomery St.
Marble — Vermont Marble Co., 525 Market St.
Lumber—Spring Valley Lumber Co., 2401 San Jose Ave.

Sub-Contracts Awarded
ALTERATIONS Cost, $9000
SAN FIANCISCO. Fifth and Mission.
Alterations to lobby and depot of Pacific Greyhound Lines.
Owner—Pacific Greyhound Lines, 5th and Mission Streets.
Architect — W. D. Peugh, 333 Montgomery Street.
Contractor—G. P. W. Jensen, 320 Market Street.
Mill Work for Lobby — Davis Hardwood Co., Bay and Mason Streets.
Plumbing—Frank Davison, 65 Chesley.
Mill Work for Depot—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Streets.
Glass—W. P. Fuller & Co., 301 Mission Street.

BONDS VOTED
PITTSBURG, Contra Costa Co., Cal. Pittsburg School District votes bonds in the amount of $79,000 on October 16. Proceeds are to be used for financing the reconstruction of the (1) primary school; (2) junior high school, and (3) intermediate school.

Estimated cost of the projects as follows: (1) $40,000; (2) $38,000; (3) $18,000.

Additional funds will be secured from the sale of the post office site at $10,000 and $4,000 is available in the building fund.

Louis Stone, Humboldt Bank Bldg., San Francisco, is the architect.

CONTRACT AWARDED
LOS ANGELES, Cal.—Contracting Engineers, Inc., 3310½ W. Vernon Ave., awarded contract at $69,645 by Los Angeles Board of Education, for reconstructing, rehabilitating and strengthening of the north and west buildings at the Lorena Street School located on the west side of Lorena St., between 7th and Atlantic Sts. Paul Kingsbury, 516 N. Grover St., architect, and Francis N. Dlouhy, 9273 Cordell Dr., West Los Angeles, structural engineer. Cost, $47,500.

BIDS WANTED
LOS ANGELES, Cal.—Until Nov. 7, 11:30 A. M., bids will be received by Los Angeles Board of Education Purchasing Bureau, 1425 S. San Pedro St., for reconstruction, rehabilitation and strengthening of the east building and central portion of the Bridge Street School, located on the north side of Bridge St., between Echandia St. and N. Boyle Ave. Ralph A. DeLine, structural engineer, 1144 S. Grand Ave. and the architectural division of the board, A. S. Nibecker, Jr., architect. Cost, $68,609.

TO ASK BIDS
SANTA BARBARA, Cal. — Santa Barbara Board of Education this week authorized the immediate calling for bids for initial rehabilitation work at the Jefferson School in Santa Barbara. The work will consist of waterproofing concrete walls and the removal of the tower and heavy stone ornamentation from the building.

BIDS WANTED
ONTARIO, San Bernardino Co., Cal.—Until November 2, 2 P. M., bids will be received by Chaffey Junior College and High School District for the erection of a library building at Chaffey Juiior College, Ontario. Will contain a repository for books, reading room with a capacity of 200, high school reading room with a capacity of 100, periodical room, etc. Cost, $65,000. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

Contract Awarded
SCIENCE BLDG. Cont. Price, $194,312
PULLMAN, Washington. University of Washington.
Four - story reinforced concrete and brick science building (100x200 ft.) 10-year built-up roof, linoleum and cement floors, one passenger elevator, terrazzo floors (will contain museum, classrooms, laboratories, heating from central plant, etc.)
Owner—State of Washington.
Architect—S. A. Smith, Premises.
Contractor—Ross B. Hammond, Spalding Bdg., Portland.
Electric—Stewart Electric Co., Seattle $8,415.
Plumbing and heating bids held under advisement.

To Be Done By Day's Work
ALTERATIONS Cost, $3000
SAN FRANCISCO. SE Sutter St. and Grant Avenue.
Alterations to department store.
Owner—The White House, Sutter St. and Grant Avenue.
Architect—Not Given.

PREPARING PLANS
SAN FRANCISCO—City Architect, Chas. H. Sawyer, City Hall, is preparing plans and specifications for the replacement of shelving and other work at the Bayview School. Estimated cost, $945 67. Bids will be asked in about two weeks.

18— WHARVES & DOCKS

Plans Being Completed
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Calif.
New municipal yacht harbor (work includes approach trestle 850 feet in length; wharf, 250x40 ft.; wood construction, creosoted piling, boat landing facilities, piling, filling, levee work, etc.)
Owner—City of Martinez.
Consulting Engineer—Lochiel M. King 1339 Grove St., Alameda.
Plans will be forwarded to the PWA about November 1 and upon their approval bids will be asked.

PLANNED
RICHMOND, Contra Costa Co., Cal.—The Standard Oil Company of California has applied to the U. S. Engineer, San Francisco, for permission to construct an extension to a wharf at Richmond to be 720 feet in length, extending northwesterly along the pierhead line from the end of the existing wharf. Estimated cost, $100,000.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
SAN FRANCISCO.—Piombo Bros. & Co., 1571 Turk Street, at $78,280 were awarded contract by the Public Utilities Commission, City Hall, for the construction of a levee for extension of the landing field at San Francisco Airport, under Airport Contract No. 31.

BIDS WANTED
BURBANK, Los Angeles Co., Cal.—Warner Brothers - First National Studios, Burbank, are taking bids for four additional sound stages to be built at the company's Burbank studio. The stages will be built in two double units, each unit to cover an area of approximately 304x130 feet. Will be steel frame structures with steel trusses, rock wool insulation, steel sliding doors, gas-steam radiators, electrical work, etc.

BIDS WANTED
SAN FRANCISCO—Until October 31, 10 A. M., bids will be received by the directors of the Golden Gate Bridge and Highway District, Room 1000, 111 Sutter St., San Francisco, for furnishing and installing service elevators in the Marin and San Francisco towers of the Golden Gate bridge. One elevator is to be installed in each tower. Estimated cost $40,000.

Specifications available at the office of W. W. Felt Jr., Secretary, 111 Sutter St., on deposit of $50.

ELECTION
TEHAMA CO., Cal.—A proposal to form the Tehama Municipal Utility District, comprising a portion of the County of Tehama, will be submitted to voters at an election November 6.

ELECTION
GLENN COUNTY, Cal.—A proposal to form the Glenn Municipal Utility District, comprising a portion of the County of Glenn will be submitted to voters at an election November 6.

BIDS OPENED
SAN DIEGO, Cal.—E. C. Nickel, 912 Micheltorena St., Los Angeles, at $9786 submitted low bid to the Haedquarters, Naval Operating Base, 11th Naval District, San Diego, under Spec. 7810, for furnishing motor generator set and electrical connections to dry dock at the Naval Operating Base (Destroyer Base), San Diego. Complete bids follow:

E. C. Nickel, Los Angeles	$ 9,786
Moore Electric Co.	10,086
Bennett & Taylor	10,242
W. C. Gill & S. S. Sutherland	10,538
Capitol Electric Co.	10,964
G. C. Clardy	11,198

BONDS SOLD
SAN FRANCISCO.—Board of Supervisors accepted the bid of Weeden and Co., San Francisco, for an issue of $260,000 in Airport Improvement bonds. The interest rate of 2.83% fixed by the bidder was the lowest of six bids received.

The proceeds of the issue, together with a PWA grant, will be used to finance improvements at the San Francisco Municipal Airport.

PLANNED
LOS ANGELES, Cal.—Treasury Department on October 13 announced approval of an allotment of $2,900,000 for purchase of a site and construction of a new postal distributing bldg. in Los Angeles. The project is to be

financed under appropriations of the 1934 emergency public building construction act. Bids were opened in Los Angeles July 23 for a site for the building, which will be erected adjoining the new union passenger station, but no announcement has been made of the selection of the site.

BIDS WANTED

SAN FRANCISCO.—Until Oct. 25, 10 A. M., bids will be received by Capt. R. B. Woolverton, Signal Officer, Headquarters Ninth Corps Area, Presidio of San Francisco, for installation of telephone conduit and manhole at the Letterman General Hospital.

Plans and specifications obtainable from the above office upon deposit of $5.00. *)

BIDS OPENED

LOS ANGELES, Cal. — Following bids were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, for furnishing steel lockers under Spec. No. 1527 as follows:

Frank R. Peck Co., (1) for 320 steel lockers, single row units, 5 lockers wide, (a) f.o.b. bodder's shipping point, $6.01; (b) f.o.b. department warehouse, $6.01; (1-A) for 144 lockers, single row units, 6 lockers wide, (a) f.o.b. bidder's shipping point, $6.01 (b) f.o.b. department warehouse, $6.01; (2) for 320 steel lockers single row units, 5 lockers wide of different finish than those under item 1, (a) f.o.b. bidder's shipping point, $6.49; (b) f.o.b. department warehouse, $6.49; (2-A) for 144 steel lockers, single row units, 6 lockers wide of different finish than specified under (1-A), (a) f.o.b. bidder's shipping point, $6.49; (b) f.o.b. department warehouse, $6.49.

Worley & Co., (1a) $6.01; (1b) $6.01 (1A-a) $6.01; (1A-b) $6.01.

Bradfield Building Products Co., (1b), $6.01; (1A-b) $6.01.

Lyon Metal Products Co., (1a) $4.79 knocked down; $5.25 set up; (1b) $4.79 knocked down; $.525 set up; (1A-a) $4.79 knocked down; (1A-b) $.525 set up.

Berger Manufacturing Co. of California, (1b) $5.64; (1A-b) $5.64.

Fred Medart Manufacturing Co. (1b) $6.01 knocked down, $6.55 set up; (1A-b) $6.01 knocked down, $6.55 set up.

Southern California Safe Co., (1b) $6.06 knocked down, $6.66 set up; (1A-b) $6.06 knocked down, $6.66 set up.

All bids were net. *)

To Be Done by Day's Work.

ALTERATIONS Cost, $2000

SAN FRANCISCO. No. 1914 Sutter Street.

Alterations to residence and funeral parlors.

Owner—Mrs. A. Butler, 1914 Sutter St., San Francisco.

Architect—Not Given.

CONTRACT AWARDED

SAN BERNARDINO COUNTY, Cal.—Pacific System Homes, 5800 S. Boyle Ave., Los Angeles, awarded contract by Metropolitan Water Dist. at $23,305.25, for the construction of nine frame buildings at Division 2 headquarters, near Rice, San Bernardino County. The group will consist of an office building, mess hall, one 12-car garage and repair shop, warehouse, three 5-room cottages, one 20-man dormitory and one fan house, together with appurtenant sewers, sewage disposal plant and water supply system.

PROSPECTIVE BIDDER

SAN FRANCISCO—Monson Bros., 475 Sixth St., has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on October 26 for the construction of a plague laboratory at the U. S. Marine Hospital, San Francisco.)

New Bids Being Taken.

ALTERATIONS ost, $——

SAN FRANCISCO. Divisadero and McAllister Streets.

Alterations to undertaking parlors and add one story.

Owner—Halstead-Dierks & Co., 901 Divisadero St., San Francisco.

Plans by A. J. Laib, 3335 Clay Street San Francisco.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing pipe as follows:

SCHEDULE NO. 1

(1) 25,000 ft. 4-in. cast iron pipe;
(2) 10,000 ft. 6-in. do;
(3) 10,000 ft. 8-in. do;

SCHEDULE NO. 2

(1) 5,000 ft. 4-in. cast iron pipe;
(2) 5,000 ft. 6-in. do;

Complete bids follow:

National Cast Iron Pipe Co., 571 Mission St., San Francisco, (W. F. Dixon) Schedule No. 1: (1) $10,250; (2) $6,100; (3) $10,200; total $26,550. Schedule No. 2: (1) $2,250; (2) $3,375; total $5,625. Grand total, $32,175.

Pacific States Cast Iron Pipe Co., San Francisco, Sched. No. 1: (1) $11,000; (2) $6,400; (3) $10,500; total $27,900. Sched. No. 2: (1) $2,400; (2) $3,500; total $5,900.

American Cast Iron Pipe Co., San Francisco, Sched. No. 1: (1) $10,625; (2) $6,300; (3) $10,400 ;total $27,325. Sched. No. 2: (1) $2,325; (2) $3,475; total $5,800.

U. S. Pipe & Foundry Co., San Francisco, Sched. No. 1: (1) $10,500; (2) $6,250; (3) $10,375; total $27,125, if given complete Sched. No. 1, $26,950. Sched. No. 2: (1) $2,300; (2) $3,450; total $5,750, if given complete Sched. No. 2: $5,715.00. Grand total, $32,665.

R. D. Wood & Co., Oakland, Sched. No. 1: (1) $13,050; (2) $7,580; (3) $11,230; total $31,860. Sched. No. 2: (1) $2,810; (2) $4,115; total $6,925. Grand total $38,785.

Bids held under advisement. Spec. No. L. S. 131.

CONTRACT AWARDED

GOVERNMENT ISLAND, Cal.—Geo. Grifall, 1532 California St., Mountain View, at $102, less 10% 10 days, was awarded contract by the Bureau of Public Roads, Government Island, for hauling a "75" Caterpillar tractor with trailbuilder attached, from Government Island to a point 30 miles west of Willows on the Covello - Alder Springs Road. Approximate weight 21,275 pounds.

CONTRACT AWARDED

SAN FRANCISCO.—Charles Nelson Co., 230 California St., at $1310.39 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1270, for furnishing lumber for Camp Mather Recreation Dept. Delivery 10 to 15 days.

CONTRACT AWARDED

SAN FRANCISCO. — Van Arsdale-Harris Lumber Co., Inc|, Fifth and Brannan Sts., at code price less 3% awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1278, for furnishing fir and redwood for the term October 15, 1934 to January 14, 1935.

BIDS OPENED

SACRAMENTO, Cal.—The following bids received by the U. S. Engineer Office, Sacramento, under Spec. 6780 HMR for furnishing and operating 3 dump trucks (4 c.y. capacity) for approximately 900 hours, in the vicinity of Colusa:

J. P. Barrett, Colusa, $2.20 per hour; $1980, total.

J. Starkenburg, San Bernardino, $2.33 per hour; $2,097.

Meyer Rosenberg, San Francisco, $2.40 per hour; $2,160.

P. D. Farrar, Los Angeles, $2.47 per hour; $2,223.

Ashurst Bros., Hopland, $2.55 per hour; $2,295.

Identical bids at $2.60 per hour, $2,340 total, were submitted by the following: L. B. Andrews, Oakland; C. A. Baker, Sacramento; Hemstreet and Bell, Marysville; Bruno Skibo, Oakland; Oliva Brothers, Oakland; J. P. Breen, Sacramento.

L. G. Kipp, Sacramento, $2.65 per hour; $2,385.

J. R. Reeves, Sacramento, $2.70 per hour; $2,430.

Della Rosa Trucking Co., Martinez, $3.00 per hour; $2,700.

C. A. Baker, Sacramento, submitted an alternate bid using 5 yd. trucks, reducing the hours from 900 to 720, at $2.60 per hour, total $1,842.

Bids held under advisement.

MEDUSA Portland Cement PAINT

A permanent bond to concrete, brick and stucco . . . it is highly decorative . . it is dampproof . . . . it economical.

GUNN, CARLE & CO.

20 Potrero Ave. . UNderhill 5480 . San Francisco

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

WAR DEPARTMENT

SAN FRANCISCO—Until October 22, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 661-44-35, Memo. 5022, for furnishing 65,000 ft. B. M. of Douglas Fir lumber.

Specifications obtainable from the above office.

RECLAMATION SERVICE

BOULDER CANYON, Nevada—Until November 1, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. 630-D, for furnishing and delivering 10 centrifugal type fan units, capacities from 7000 to 20,000 cu. ft. per mi.; 5 propeller type fan units, capacities of 5000, 12,000 and 20,000 cu. ft. per min.; 7 combination surface cooler and heater units, cabinet floor type, and air flow control equipment for ventilating and air coolig system for Boulder Power Plant. Materials will be installed by the Government.

Plans and specifications obtainable from the above office without charge to prospective bona fide bidders; to others, 75c, not returnable.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment as follows:

FITTINGS, malleable and cast iron pipe fittings; East and West Yards. Sch. 3466; Oct. 23.

PLATES, 94,380 lbs. medium steel plates; approximately 200,000 lbs. do; and 23,200 lbs. high tensile steel; East or West Yard. Sch. 3507; Oct. 26.

ROPE, 6300 ft. plow steel wire rope; East or West Yards. Sch. 3484; Oct. 26.

STEEL, 11,000 lbs. plain steel, and 108,000 lbs. steel half-rounds; East or West Yards. Sch. 3495; October 26.

FUSES; East and West Yards. Sch. 3487; Oct. 26.

ASH, white; 62,000 ft. b. m., Mare Island; 78,000 ft. b. m., Puget Sound. Sch. 3503; Oct. 30.

HANDSETS, 110 telephone handsets and 11 sets spares; San Pedro. Sch. 3496; Oct. 30.

INDICATORS and RECORDERS, 20 combined No. 2 indictors and recorders; San Pedro; 7 do, Puget Sound. Sch. 3493; Oct. 30.

BOXES, Jack boxes and molds; East and West Yards. Sch. 3492; Oct. 30.

TUBES, 275 vacuum tubes; Mare Island. Sch. 3489; Oct. 30.

MACHINE, 1 gage testing machine; Mare Island. Sch. 3521; Oct. 30.

Specifications obtainable from the above office.

BREMERTON, Wash. — Until Oct. 23, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, Wash., under Req. 232 NSA, for furnishing 12 MFBM lumber for delivery to Puget Sound Navy Yard.

Specifications obtainable from above office.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until October 23, 3 P. M., bids will be received by R. H. Stalnaker, Equipment Engineer, Division of Highways, 1805 34th St., Sacramento, for the sale of the following equipment:

CHC 3017 Truck, F.W.D. Model H6, 1¾ yd., pneumatic tired, power dump.
1 3 x 4 Duplex pump, geared to 5 h. p., F.M. engine.
1 Type "K" Fess Oil Burner, with motor, base, starting switch and three nozzles, complete.
3 18-in. Furnace doors, complete.
1 Main frame for 10-20 McCormick-Deering Tractor.
CHC No. 55 Snow Plow-Rightway Rotary with "V" plow.
CHC No. 68 Snow Plow-Rightway Rotary with "V" plow.
3 Portable stands for Moon-Hopkins Bookkeeping Machines.
1 Typewriter Desk (metal type).
1 Hadley Grant Tray (11-in. x 11-in.).
2 Wood Top Tables, 15-in. high.

The above equipment may be inspected at the Division of Highways yards, 1805 34th St., Sacramento, on any working day between the hours of 8, A. M. and 4:30 P. M.

SAN LUIS OBISPO, Cal.—Until Oct. 23, 3 P. M., bids will be received by R. P. Hamlin, Supt. of Equipment, Division of Highways, Shop 5, San Luis Obispo, for the sale of the following equipment:

CHC 33 Asphalt Kettle, 150-gal., on trailer, solid rubber tires;
CHC 34 Asphalt Kettle, 150-gal. do;
CHC 36 Asphalt Kettle, 150-gal. do;
CHC 157 Asphalt Kettle, 135-gal. do;
CHC 338 Adams 7-foot rubber-tired grader, leaning wheel;
CHC 136 Sullivan Air Drill, Class L8;
CHC 139 Sullivan Air Drill, Class L8.
1 LOT Sullivan Class L8 Air Drill Parts, new.

Above equipment may be inspected at Shop 5, San Luis Obispo.

FRESNO, Fresno Co., Cali.—Until October 23, 3 P. M., bids will be received by F. F. Green, Superintendent of Equipment, Division of Highways, P. O. Box 1353, Fresno, for the sale of the following: CHC 2997 - Dodge Screenside, ¾-ton.

Above equipment may be inspected at the Division of Highways Yard, 645 W. Olive Ave., Fresno, from 8 A. M. to 5 P. M. on any working day.

WAR DEPARTMENT

SAN FRANCISCO—Until October 25, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-83, for furnishing miscellaneous supplies including baling rope; Manila rope; water hose; mop handles; cotton mops; ash cans, etc.

Specifications obtainable from above office.

U. S. FOREST SERVICE

BERKELEY, Cal. — Until October 22, 2 P. M., bids will be received by the Forest Service Experiment Station, F. L. Conner, Acting Director, 331 Giannini Hall, University of California, Berkeley, for furnishing two storage tanks, 16 ga. galvanized circular iron tanks, to hold approximately 2000 gals. and be approximately 6 ft. high and 8 ft. in diameter, with one 2-in. connection in the bottom of each tank f.o.b. Hall's Flat Branch Station, U. S. Forest Service, Susanville. Alternate bids will be received on the same tanks f.o.b. bidder's plant.

Specifications obtainable from above office.

BERKELEY, Cal. — Until October 22, 2 P. M., bids will be received by F. L. Conners, Acting Director, California Forest Experiment Station, Berkeley, for furnishing one 8-foot windmill with 33 ft. towers, and one windmill pump. Delivery f. o. b. Susanville and/or bidder"s plant.

Specifications obtainable from above office.

SELF-LOCK ROOSHOR ADJUSTABLE
ROOSHORS AND
with
CUT LABOR COSTS
ROOS COLUMN CLAMPS
W. J. BURKE & CO. Northern California Distributors
200 Davis Street Phone DOuglas 8590 - San Francisco

REINFORCING STEEL
FABRICATED AND INSTALLED
WIRE AND WIRE MESH
W. S. WETENHALL CO.
Office and Warehouse: Corner 17th and Wisconsin Streets
Telephone HEmlock 1480

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipmant
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

MULTNOMAH COUNTY, Ore. — C. J. Montag, Worcester Bldg., Portland, at $26,932 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, Oct. 11, for the construction of a bridge over Oregon Electric Railroad tracks on West Side Pacific Highway south of Portland; U. S. P. W. Project NRH 203-B.

Complete bids follow:

C. J. Montag, Portland	$26,932
Joplin & Eldon, Portland	27,898
Barham Bros., Salem	28,695
Mountain States Const. Co., Eugene	28,895
Hoffman Const. Co., Portland	29,780
Averill & Philpott, Portland	29,882
S. A. Bingham, Portland	30,967
Settergren Brothers	32,505
United Contr. Co., Portland	34,605
Shattuck & Neland, Portland	36,350

CONTRACT AWARDED

BAKER COUNTY, Ore.—J. A. Terteling & Sons, Boise, Idaho, at $13,264 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, Oct. 11 for the construction of a bridge over Burnt River on Old Oregon Trail near Dixie; U. S. P. W. Project NRH 169-E.

Complete bids follow:

J. A. Terteling & Sons, Boise	$13,264
Colonial Const. Co., Spokane	13,617
C. J. Montag, Portland	14,150
R. H. Jones	14,817
Clifton & Applegate, Spokane	15,500
Barham Bros., Salem	15,516
O. N. Pierce, Portland	15,638
Dunn & Baker, Klamath Falls	15,721
Joplin & Eldon, Portland	16,268
Morrison-Knudsen Co., Boise	18,165

CONTRACT AWARDED

UKIAH, Mendocino Co., Cal.—Frank S. Mitchell, Ukiah, at $1554.84 submitted low bid and awarded contract by the Ukiah City Council October 10 for the construction of a reinforced concrete culvert with headwalls and railings across Gibson Creek on Bush Street.

A. Soda and Son, Oakland, at $1970 submitted the only other bid.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

SACRAMENTO, Cal.—D McDonald, 204 23rd St., Sacramento, and Poulous & McEwen, 2522 17th St., Sacramento, bidding jointly, at $22,960 submitted low bid to the U. S. Engineer Office, Capt. J. G Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Spec. No. 6732, for raising and strengthening of an existing levee on the easterly side of the Sacramento River between Colusa and Butte Slough for a distance of about 3,850 ft., the total amount of earth to be moved being approximately 82,000 c.y.

Complete bids follow:

D. McDonald and Poulous & McEwen, Sacramento, (per c.y.) $0.28; (Total) $22,960.

Claude C. Wood, Stockton, $0.38; $31,160.

J. R. Reeves, Sacramento, $0.382; $31,324.

Olympian Dredging Co., San Francisco, $0.417; $34,194.

Peninsula Paving Co., San Francisco $0.565; $46,330.

All bids held under advisement.

BIDS OPENED

SACRAMENTO, Calif.—Blake Bros. Co., 204 Balboa Bldg., San Francisco, at $38,280 submitted low bid to the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. No. 6718, for furnishing, delivering and carefully placing approximately 24,000 tons of Class A or Class B riprap stone, in sizes 20 to 300 lbs., along the banks of the Sacramento river at various points between the mouth of Cache Slough and Collinsville, as directed by the contracting officer.

Complete bids follow:

Blake Bros. Co., San Francisco, (per ton) $1.595; (Total) $38,280.00.

Hutchinson Co., Oakland, $1.65; $39,600.00.

Daniel Contr. Co., San Francisco, $1.71; $41,040.00.

Healy-Tibbitts Const. Co. San Francisco, $1.73; $41,520.00.

Basalt Rock Co., Napa, $1.75; $42,000.00.

All bids held under advisement.

BIDS OPENED

CLATSKANIE RIVER, Oregon — Corgan Constr. Co., 900 S. First Ave., Portland, at $1900 submitted low bid to the U. S. Engineer Office, Portland, October 9, under Bid 35-176, for dredging approximately 7600 cu. yd. of material from channel in Clatskanie River and beaver Slough, about 65 miles below Portland.

The other bids were:

Brookfield Co., Astoria	$1976
Columbia Digger Corp., Portland	2188
Portland Dredging Co., Portland	2204
Engineer's estimate	1710

BIDS OPENED

SACRAMENTO, Calif. — Hutchinson Co., 1450 Harrison, Oakland, at $17,550 submitted low bid to the U. S. Engineer Office, Sacramento, under Spec. No. 6752, for furnishing, delivering and carefully placing approximately 7,800 tons of Class A or Class B rip-rap stone, in sizes 20 to 300 lbs., along the banks of the Sacramento river, in the vicinity of Chicory and Oak Hall bends, or approximately 3.5 to 5.5 miles below the "M" Street bridge, in Sacramento.

Complete bids follow:

Hutchinson Co., Oakland, (1) $2.25 per ton; (2) $17,550 total.

Basalt Rock Co., Napa, (1) $2.40; (2) $18,720.

Healy-Tibbitts Const. Co. San Francisco, (1) $2.43; (2) $18,954.

Daniel Contr. Co., San Francisco, (1) $2.62; (2) $20,436.

Blake Bros. Co., San Francisco, (1) $2.85; (2) $22,230.

Bids held under advisement.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS OPENED

LOS ANGELES, Calif.—Shannahan Bros., 6181 Eastern Ave., Los Angeles at $57,341 (Proposal No. 1) and $57,262 (Proposal No. 2) submitted low bid to the Los Angeles County Board of Supervisors, October 15, for the construction of Unit No. 7 of the San Gabriel river outlet at Alamitos Bay.

Bids were taken as follows:

PROPOSAL NO. 1

(1) 140,000 c.y. excavation;
(2) 19,200 tons riprap via rail (district to pay freight)
(3) 1900 l.f. R.R. track on top of the levees.

PROPOSAL NO. 2

(1) 140,000 c.y. excavation;
(2) 19,200 tons riprap via truck (district to pay freight).

The bids were:

Shannahan Bros., Los Angeles: Proposal No. 1 (1) $0.2175; (2) $1.36; (3) $0.41; total $57,341. Proposal No. 2, (1) $0.23; (2) $1.36; total $57,262.

Kemper Const. Co., Los Angeles, Proposal No. 1, (1) $0.23; (2) $1.34; (3) $0.40; total $58,688. No bid on Proposal No. 2.

Karl B. Kumpe, Los Angeles, Proposal No. 1, (1) $0.285; (2) $1.50; (3) $0.40; total, $69,460. Proposal No. 2 (1) $0.285; (2) $1.44; total, $67,548.

G. L. Skolfield, Proposal No. 1, (1) $0.265; (2) $1.60; (3) $1.75; total, $71,145. Preposal No. 2, (1) $0.265; (2) $1.80; total, $71,660.

Merritt - Chapman and Scott, San Pedro: Proposal No. 1, (1) $0.30; (2) $1.60; (3) $1.75; total, $76,045. Proposal No. 2, (1) $0.30; (2) $1.785; total $76,272.

BIDS WANTED

NEWPORT BAY, Cal.—Until Nov. 12, 3 P. M., bids will be received by the U. S. Engineer Office, 751 S. Figueroa St., Los Angeles, for dredging and rock removal in Newport Bay (Orange County) in accordance with specifications obtainable from the U. S. Engineer at the above address. Bids will be taken as follows:

SCHEDULE 1 (Entire Work)

(1) Sections A, B, C, D and E, 8,482,000 cu. yds. (place measurement). Dredging and depositing of all material, except ledge rock.

(2) Sections A and E, 25,640 cu. yds. (place measurement). Excavating and depositing ledge rock.

SCHEDULE II (By Sections)

(3) Section A, 1,641,000 c.y. (place measurement). Dredging and depositing of all material except ledge rock.

(4) Section A, 16,000 cu. yds. (place measurement). Excavating and depositing ledge rock.

(5) Section B, 1,827,000 c.y. (place measurement). Dredging and depositing of all material except ledge rock.

(6) Section C, 2,020,000 c.y. (place

measurement). Dredging and depositing of all material except ledge rock.

(7) Section D, 434,000 c.y. (place measurement). Dredging and depositing of all material except ledge rock.

(8) Section E, 2,560,000 c.y. (place measurement). Dredging and depositing of all material except ledge rock.

(9) Section E, 9,640 cu. yds. (place measurement). Excavating and depositing ledge rock.

23— IRRIGATION PROJ.

BONDS VOTED

STANISLAUS COUNTY, Cal.—The Modesto Irrigation District voters approved a bond issue of $177,000, proceeds to be used in concrete lining canals to cost $165,000 and installation of second circuit on transmission line between Modesto and Don Pedro powerhouse to cost $60,000.

PWA grant allocated to the district will supplement bond money.

LOW BIDDERS

MODESTO, Stanislaus Co., Calif.—Following are the low bids submitted to the Modesto Irrigation District, C. S. Abbott, Secretary of the Board of Directors, for constructing a rock cut, repair of old lining by guniting, construction of concrete lining and construction of reinforced concrete structure in the Main Canal of the Modesto Irrigation District.

Bids were taken as follows:

(1) 12,000 c.y. rock cut;
(2) 170 c.y. reinforced concrete;
(3) 251,700 sq. ft. 1½-in. gunite;
(4) 237,060 sq. ft. 2-in. gunite;
(5) 201,485 sq. ft. 2½-in. conc. lining;
(6) 155,000 sq. ft. 3-in. do.

The bids were:

Item (1) A. Teichert & Son, Sacramento, $0.86, $10,320 (total).

Item (2) J. N. Kristich, Knightsen, $15.00; $2,550.

Item (3) California Gunite Co., Hollywood, $0.066; $16,612.20.

Item (4) California Gunite Co., Hollywood, $0.084; $19,912.20.

Item (5) J. N. Kristich, Knightsen, $0.0675; $13,600.24.

Item (6) J. N. Kristich, Knightsen, $0.0075; $15,112.50.

J. N. Kristich submitted a total bid of $31,262.74 for Items 2, 5, and 6. California Gunite Company submitted a total of $35,524.40 for Items 3 and 4.

All bids held under advisement.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

OAKLAND, Cal.—Following bids received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing one motor truck chassis, 25,000 lb. capacity, under Proposal No. 558:

George P. Petersen (Indiana) $4,698.50.

Spears-Wells Machy. Co., Oakland (Colman) $5,500.

Fageol Truck & Coach Co., Oakland, $3,256 net.

General Motors Truck Co., Oakland (Eaton) $4,132.28.

Western Traction Co., San Francisco (Marmon-Herrington) $5,585.

International Harvester Company of America, Oakland, $6,304.

Autocar Sales & Service Co., Oakland, $5,000.

All bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO — Westco Pump Sales Co., 951 Folsom St., San Francisco, at $491.20 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1265, for furnishing 2 direct connected motor driven pumping units.

CONTRACT AWARDED

SAN FRANCISCO—Wallace & Tiernan Co., 171 Second St., San Francisco at $971 each, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1249, for furnishing 2 4000-lb. capacity dial type platform scales with automatic recording devices.

PROSPECTIVE BIDDERS

LUALUALEI, T. H. — Following have procured plans for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, T. H., under Spec. No. 7801, for which bids will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., on November 28, 11 A. M., as previously reported:

Aldrich Pump Co, Allentown Pa.

New York Engineering Co., 75 West St., New York City.

American Hoist & Derrick Co., St Paul, Mo.

Clyde Sales Co., Duluth, Minn.

General Electric Co., Schenectady, New York.

Centaur Constr. Co., 210 E. 40th St., New York City.

R. W. Klatenbach Corp., Bedford Ohio.

Plans and specifications obtainable from the above office and from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, and from the Commandant, 14th Naval Dist., Pearl Harbor, T. H., upon deposit of $10. Estimated cost, $25,000.

PROSPECTIVE BIDDERS

SUMMIT, Canal Zone—Following have procured plans for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Summit, C. Z., under Spec. No. 7800, for which bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 28, 11 A. M., as previously reported:

New York Engineering Co., 75 West St., New York.

Clyde Sales Co., Duluth, Minn.

General Electric Co., Schnectady, New York.

American Hoist & Derrick Co., St. Paul, Mo.

Robinson-Branin Co., 90 W. Broadway, New York.

Centaur Constr. Co., 210 E. 40th St., New York.

R. W. Kaltenbach Corp., Bedford, Ohio.

Plans and specifications obtainable from above office and from the Commandant, 15th Naval District, Balboa, Canal Zone, upon deposit of $10. Estimated cost $20,000.

BIDS REJECTED

SAN FRANCISCO—All bids received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-79, for furnishing ironers and laundry presses, were rejected. The bids will be re-advertised.

CONTRACT AWARDED

ALAMEDA, Alameda Co., Calif. — Westinghouse Electric Co., at $4,108.50 awarded contract by the Alameda City Board of Public Utilities, R. N. Harvey, Secretary, for furnishing 3 250-Kva electric transformers.

The other bids were:

Maloney Electric Co.	$3,765.00
Gardner Elec. Mfg. Co.	3,315.25
General Electric Co.	4,108.50

The Wagner Electric Co. submitted informal bids on transformers without oil, at $3,960. The West Coast Electric Co. submitted an informal bid which was not read.

The award was made on the basis of time of delivery.

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Smith Booth Usher Co., Los Angeles, at $818 fob factory, submitted only bid to the Forest Service Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing two electric plants, gasoline driven, fully automatic, direct connected, D. C., 2-k.w., 115-volt.

26— RAILROADS

SURVEY AUTHORIZED

SAN FRANCISCO—Golden Gate Bridge District directors have authorized Chief Engineer Joseph B. Strauss to make a survey of the cost of modifying structural design of the Golden Gate Bridge to accommodate a rapid transit system. Original plans provided only for vehicular and pedestrian traffic. Cost of survey estimated at $15,000.

October 17, 1934

BIDS WANTED

STOCKTON, San Joaquin Co., Cal. —Until October 30, 4 P. M., bids will be received by the City of Stockton Port Commission, City Hall, B. C. Allin, Secretary, for extension to the railroad system at the Stockton port.

The work involves:

(1) 6,000 c.y. excavation for grading;
(2) 2,600 l.f. railroad track;
(3) 2 crossings;
(4) switches.

Plans and specifications obtainable from above office.

28—FIRE EQUIPMENT

BIDS OPENED

ALAMEDA, Cal. — Following bids received by the Alameda City Council, D. Elmer Dyer, City Clerk, for furnishing one thousand gallon triple combination pumping engine:

Mack International Truck Co., $12,359.50; alternate, $15,309.50.

Aremican, La France and Foamite Co., $14,175; alternate, $15,099.

Seagrave Corp., $15,940.05.

Bids held under advisement.

30—RESERVOIRS & DAMS

NOTICE TO MATERIALMEN

GRAND COULEE, Wash. — Purchases of materials for the Grand Coulee Dam to be furnished by the government will be made through the U. S. Bureau of Reclamation, Customhouse, Denver. Prospective bidders should file their names with the Bureau to receive bid calls. Materials to be furnished by the contractor are being purchased at the Spokane office of the Mason-Walsh-Atkinson-Kier Company.

TO ASK BIDS

SAN DIEGO, Cal.—It is anticipated that the San Diego City Council will authorize within a few days a call for bids for the circular diameter inner lining to be installed in the El Capitan Reservoir Dam Outlet Tunnel. The work involves lining of about 500 feet og 25' tunnel and the completion of the tunnel plug and will require about 3000 cu. yds. of concrete, 125,000 lbs. reinforcing steel, 4100 bbls. cement, and miscellaneous items.

CONTEMPLATED

YOLO COUNTY, Calif.—Yolo County Board of Supervisors is considering a system of percolation reservoirs for water conservation in Putah Creek near Winters.

BIDS OPENED

HYRUM DAM, Utah.—J. A. Terteling & Sons, Boise, Idaho, at $27,316 submitted low bid to the Bureau of Reclamation, Hyrum, Utah, October

11 under Spec. No. 627-D, for the construction of earthwork on the Hyrum-Mendon Canal from Station 10 plus 50 to Station 731 plus 06, on the Hyrum Feeder Canal from Station 4 plus 00 to Station 69 plus 49, and on the Wellsville Canal from Station 10 plus 62 to Station 284 plus 84, Hyrum Project, Utah. The work, which is located near Hyrum and Wellsville, includes: (1) 154,150 c.y. all classes excavation; (2) 14,800 sta. c.y. overhaul.

The other bids were:

Olof Nelson, Logan, Utah	$32,852.00
Moser & Hill, Logan	42,562.00
T. G. Rowland, Salt Lake City	44,181.50
Thos. Lindley, Wellsville	2,215.00

(Schedule 6 only).

31—PIPE LINES & WELLS

PROSPECTIVE BIDDERS

RIVERSIDE COUNTY, Calif.—Following have procured plans for the construction of cut-and-cover conduit, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct, Stations 9289 plus 29 to 12122 plus 00, under Spec. No. 75, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Oct. 31, 10 A. M., as previously reported:

F. J. O'Leary, 1136 S. Hayworth Ave. Los Angeles.

W. E. Callahan Const. Co., 1220 Arcade Bldg., St. Louis.

C. C. Moore & Co., 204 Edison Bldg., Los Angeles.

Aetna Casualty & Surety Co., 810 S. Spring St., Los Angeles.

Consolidated Steel Corp., P. O. Box 1348, Arcade Station, Los Angeles.

Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles.

Southwest Welding & Mfg. Co., 3201 W. Mission Road, Alhambra.

Henry J. Kaiser Co., 1522 Latham Square Bldg., Oakland.

W. A. Bechtel Co., 155 Sansome St., San Francisco.

Bates & Rogers Const. Co., 111 W. Washington, Chicago (580 Market St., San Francisco).

Truscon Steel Co., 5480 E. Slauson Ave., Los Angeles.

Shofner & Gordon, 5670 Wilshire Blvd., Los Angeles.

Northwest Engineering Co., 3703 Santa Fe Ave., Los Angeles.

Belyea Truck Co., 6800 S. Alameda, Los Angeles.

S. S. Magoffin, Inc., Ardian, Ore.

United Concrete Pipe Corp., Box 1, Station H, Los Angeles.

Pacific Coast Steel Corp., 11,100 S. Central Ave., Los Angeles.

Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles.

James M. Conlon, 323 Transamerica Bldg., Los Angeles.

C. W. Wood, Box 49, Stockton.

Fidelity & Deposit Co. of Maryland, 405 Montgomery St., San Francisco.

Apache Powder Co., 426 S. Hill St., Los Angeles.

White Turck & Transfer, 4950 Santa Fe Ave., LosAngeles.

Santa Fe Railway, 6th and Main, Los Angeles.

Kemper Const. Co., 3701 S. Overland, Los Angeles.

American Concrete & Steel Pipe Co., Box 1428, Arcade Station, Los Angeles.

Gardner-Denver Co., 845 E. 61st St., Los Angeles.

Barrett & Hilp, 918 Harrison Street, San Francisco.

Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.

Youdall Const. Co., 215 Market St., San Francisco.

Six Companies, Inc., Boulder City, Nevada.

Soule Steel Co., 6200 Wilmington Ave., Los Angeles.

Morrison - Knudsen Co., 1121 Title Guarantee Bldg., Los Angeles.

Heuser & Garnett, 816 Allen Ave., Glendale.

Mittry Bros., 5531 Downey Road, Los Angeles.

Trojan Powder Co., 126 W. Third, Los Angeles.

Oscar Oberg, 150 N. Vista St., Los Angeles.

Swinyer Const. Co., Box 128, Marysville.

J. A. Terteling & Sons, Boise, Idr.

Babcock & Wilcox Co., 444 17th St., Denver.

Barnard-Curtis Co., Nyssa, Oregon.

Globe Indemnity Co., 210 W 7th St., Los Angeles.

Foley Bros., 900 New York Bldg., St. Paul, Minn.

J. F. Shea Co., Inc., Mecca, Calif.

West Const. Co., Whitewater, Calif.

Clarence Vollmer, Blythevilla, Ark.

Guthrie - McDougall Co., 552 Sherlock Bldg., Portland.

Columbia Steel Co., 510 Arcade Sta., Los Angeles.

LOW BIDDERS

LOS ANGELES, Cal.—Low bids for constructing 110.62 miles of the Colorado River Aqueduct, submitted to F. E. Weymouth, General Manager and Chief Engineer, Metropolitan Water District, October 11, as shown by the first unofficial analysis of the bids and stiplations, are as follows:

Sched. No. (1) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. and C. M. Elliott, Hobart Bldg., San Francisco, $1,036,774.

Sched. No. (2) *Barrett & Hilp, San Francisco, and Macco Const. Corp., Clearwater, $1,094,991.91.

Sched. No. (3) *Barrett & Hilp, and Macco Const. Corp., $974,754.49.

Sched. No. (4) Jahn & Bressi Const. Co., Lane Mortgage Bldg., Los Angeles, $704,318.00.

Sched. No. (5) Jahn & Bressi Const. Co., $715,057.00.

Sched. No. (6) C. W. Wood and M. J. Bevanda, Elks Building, Stockton, $400,884.00.

Sched. No. (7) Barrett & Hilp, and Macco Const. Corp., $853,460.70.

Sched. No. (8) C. W. Wood and M. J. Bevanda, $881,716.50.

Sched. No. (9) Utah Const. Co., 1 Montgomery St., San Francisco, $955,248.50.

Sched. No. (10) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $819,504.75.

Sched. No. (11) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $973,227.

Sched. No. (12) Three Companies, Inc., Denver, Colo. (Vincent K. Jones, W. S. Broderick and D. G. Gordon) $1,313,272.30.

Sched. No. (13) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $632,037.25.

Sched. No. (14) Thompson-Starrett Co., Inc., 444 Madison Avenue, New York City, $926,961.10.

Sched. No. (15) Thompson-Starrett Co., Inc., $1,028,046.75.

Sched. No. (16) Thompson-Starrett Co., Inc., $814,921.20.

* The totals of the bids of Barrett & Hilp and the Macco Const. Co., on Schedules 2 and 3, shown above, show the deduction of $323,024 (or 5.4%) offered for combined award of Schedules 2 and 3.

The total contract cost of constructing the 110.62 miles, according to the above analysis, amounts to $14,125,175.45, which is reported as below the engineer's estimate.

In the complete tabulation of total bids published October 15, the figure listed under Schedule 6 as the bid of Jahn & Bressi (Bidder "N") should be corrected to read as the bid of C. W. Wood and M. J. Bevanda (Bidder "M") the bid being $400,884.00.

The bid of Barrett & Hilp and Macco Const. Co. (Bidder "C") at $578,089 on Schedule No. (7) was omitted from the previous tabulation.

BIDS OPENED

LIVERMORE, Alameda Co., Calif.—Following bids received by the Supervising Superintendent of Construction, Veterans' Administration Facility, Palo Alto, L. H. Tripp, Director of Construction, for laying and finishing complete a water line under Arroyo Del Valle, for the Veterans' Administration Facility, Livermore:

Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles: (1) $5,500, job complete; (2) $200, addition for extra depth; 60 days.

A. Soda & Son, Oakland, (1) $7,230; (2) $1,500; 60 days.

G. M. Gest, Oakland, (1) $6,320; (2) $465; 45 days.

P. L. Burr, San Francisco, (1) $5,457; (2) $250; 90 days.

Ben C. Gerwick, Inc., San Francisco (1) $7,992; (2) $498; 35 days.

Penalty of $25 per day each day work is not completed after specified time.

CONTRACT AWARDED

SAN BERNARDINO COUNTY, Cal.—D. A. Beck & Sons, Alta Loma, at $1,095.05 awarded contract by State Highway Commission, Sacramento, for drilling a well at Cronese Maintenance Station, San Bernardino County.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

LOS ANGELES, Cal.—F. F. Greenfield Co., 7310 S. Figueroa Street, Los Angeles, submitted low bid to the Los Angeles board of public works Oct. 10, at $10,134, for constructing the Thompson St. sewage pumping plant in the Culvert Blvd. and Thompson St. Sewer District under cash contract. The work involves constructing a reinforced concrete pumping structure and reinforced concrete wet well structure, including furnishing, installing all equipment appurtenant to enter structure, grading plant site, constructing walks, curbs, paving, furnishing and applying sulphur-silica compound, metalizing and painting.

The bids were:

Fred F. Greenfield Co., $10,134. Approximate cost for changing to 60 cycle electrical equipment, $30.

H. A. Teget, $11,685.

Oscar Oberg, $13,379.

R. H. Travers, $14,874.

L. W. Odell, $14,920. Alternates: Fairbanks-Morse pumps, add $12.00; change for 60 cycle, $50. Yeomans Pump Co. pumps, add $28; change for 60 cycle, $150. Byron-Jackson pumps, 2-20 hp. motors, add $75; change for 60 cycle, $200. Byron-Jackson pumps, 2-25 hp. motors, add $145; change for 60 cycle, $200.

Byerts & Dunn, $17,571. Alternate: Byron-Jackson pumps with 25 hp. motors, add $100.

Yeoman Pump Co. for Fairbanks-Morse pumps, deduct $5. Any other pumps furnished on the basis of the difference in price as quoted to Byerts & Dunn, provided such pumps are satisfactory to them.

Bennett & Taylor, $18,642.

CONTRACT AWARDED

PHOENIX, Ariz.—Phoenix - Tempe Stone Co., P. O. Box 1645, Phoenix, at $266,511.89 (based on the use of machine-made concrete pipe from 24- to 60-in.) awarded contract by the Phoenix City Commission for the con-

struction of a storm sewer system in accordance with plans prepared by C. E. Griggs, city engineer.

The award is subject to the approval of the PWA. 2

NO BIDS RECEIVED

SAN FRANCISCO. — No bids were received by the Department of Public Works, City Hall, for the improvement of Bradford St. between Cortland Ave. and a point 160 feet northerly from the northerly line of Jarboe Ave., including the intersection of Bradford Street and Cortland Avenue.

The work will be re-advertised.

33— WATER WORKS

BIDS OPENED

SAN FRANCISCO.—Identical bids at prices shown below were received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1269, for furnishing gate valves. The bidders were Crane Co., Kennedy Valve Mfg. Co., Rensselaer Valve Co., Iowa Valve Co., Jenkins Bros., Ludlow Valve Mfg. Co. and Mueller Valve Co. Chapman Valve Co. bid on Proposal A only, and Pittsburg Valve Foundry Co. on Proposal B only.

The bids were:

PROPOSAL A

Lot No. 1: one 20-in. dia., non-rising stem double disc, spur geared, gate valve for 150 lbs. water working pressure, $254.62.

Lot No. 2, seven 24-in. do, $374.68.

Lot No. 3, three 30-in. do, $731.38.

PROPOSAL B

Combination of Lots 1, 2 and 3, same as Proposal A: $5,071.52.

Bids held under advisement.

PLANNED

GRASS VALLEY, Cal.—The Grass Valley City Council has authorized Superintendent of Public Works John Fontz to make estimates on replacement and extesion of water mains. Pipe to be purchased includes 1480 lin. ft. 10-in.; 400 lin. ft. 6-in.; several hundred feet 4-in. and 3-in. valves and fittings also will be purchased.

BIDS WANTED

SAN FRANCISCO—Until November 16, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1284, for furnishing 30-in., 36-in., 42-in. and 48-in. hydraulic motor operated and manually operated gate valves for the Bay Crossing Pipe Line No. 2. Bids will be taken as follows:

PROPOSAL A

(1) 48-in. diameter, rising stem, cast steel gate valves with hydraulic motors, and all operating mechanisms.

(2) 42-in. diameter, rising stem, cast steel gate valves with hydraulic motors, and all operating mechanisms.

(3) 36-in. diameter rising stem, cast steel gate valves (for horizontal installation) with hydraulic motors, and all operating mechanisms.

PROPOSAL B

(4) 48-in. diameter, rising stem, gate valves, with direct connected hydraulic motors, and all operating mechanisms.

(5) 42-in. diameter, rising stem, gate valves, with direct connected hydraulic motors, and all operating mechanisms.

(6) 36-in. diameter, rising stem, gate valves, with direct connected hydraulic motors, and all operating mechanisms.

PROPOSAL C

(7) 30-in. diameter, rising stem, gate valves, complete with reduction gears and hand wheels.

(8) 30-in. diameter, rising stem, gate valves, with 6-in. diameter bypass valves, complete with reduction gears and handwheels.

PROPOSAL D

(Items 1 to 8, inclusive) Combination of Proposals A, B, and C.

Specifications obtainable from above office upon deposit of $10. N. A. Eckart, Engineer. 1

BIDS OPENED

VERNON, Los Angeles Co., Calif.—Pacific Coast Steel Co., E. Slauson Ave., Vernon, at $10,280 submitted low bid to the Vernon City Council Oct. 15 for furnishing a 25,000 barrel oil storage tank.

The other bids were:

Lacy Mfg. Co.	$12,690
Chicago Bridge Iron Works	13,235
Western Pipe & Steel Co.	13,390
Consolidated Steel Co.	12,985

Low bid held under advisement.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

SAN FRANCISCO. — Until Oct. 25, 2:30 P. M., bids will be received by Veterans Administration, Palo Alto, for the following items for the Veterans' Administration Facility at Fort Miley, San Francisco:

(1) 3,000 cu. yds. top soil;
(2) 20,000 lbs. peat moss;
(3) 700 lbs. grass seed;
(4) 65 tons native flagstone.

BIDS WANTED

SAN FRANCISCO. — Until Oct. 25, 2:30 P. M., bids will be received by Veterans Administration, Palo Alto, for furnishing trees and shrubs for the Veterans' Administration Facility, Fort Miley, San Francisco.

PROJECT POSTPONED

BENTON FIELD, Alameda Co., Cal. —War Department has postponed until next spring the call for bids for top-soiling, fertilizing and seeding at Benton Field Air Depot, Alameda. Bids were to have been opened October 15, 10 A. M. *

TO ASK NEW BIDS

MERCED, Cal. — Joseph T. McInerny, Postmaster, Merced Post Office, will ask new bids for landscaping the grounds of the new post office building at Merced. Contract was previously awarded to the Central Coast Nurseries of Monterey, but work was not started. *

CONTRACT AWARDED

OROVILLE, Butte Co., Calif.—Lindo Nursery, P. O. Box 941, Chico, at $475 awarded contract by the Treasury Department for landscaping grounds at the U. S. post office in Oroville.

29—STREETS AND HIGHWAYS

BIDS REJECTED

MALHEUR COUNTY, Ore.—Dunn & Baker, Klamth Falls, at $39,907 submitted the only bid, which was rejected by the Oregon State Highway Commission, Portland, October 11, for 5.68 miles of grading on the Blue Mountain Pass Section of I. - O. - N. Highway; U. S. P. W. Project FLH 3-C. 9

CONTRACT AWARDED

BAKER COUNTY, Ore.—J. A. Terteling & Sons, Boise, Idaho, at $46,473 submitted low bid and awarded contract by the Oregon State Highway Commission, October 11 for 1.28 miles grading on the Tunnel-Dixie Section of Old Oregon Trail; U. S. P. W. Project NRH 169-E.

Complete bids follow:

J. A. Terteling & Sons, Boise	$46,473
O. N. Pierce & M. L. O'Neil & Son, Portland	54,694
Morrison - Kundsen, Boise	55,726
M. J. Kuney Co., Spokane	55,941
Theo. Arenz, Portland	57,462
Clifton & Applegate, Spokane	57,571
Kern & Kibbe, Portland	61,238
Colonial Const. Co., Spokane	62,094
Myers & Goulter, Seattle	63,120
Joplin & Eldon, Portland	70,151
F. C. Dillard, Medford	70,513
Earl McNutt, Eugene	71,527
Siems Spokane Co., Spokane	84,358

CONTRACT AWARDED

WHEELER COUNTY, Ore.—Joslin & McAllister, E. 3038 Trent, Spokane, at $19,620 submitted low bid and were awarded contract by the Oregon State Highway Commission, Portland, Oct. 11, for 14 miles of crushed rock surfacing on the Kinzua Junction-Service Creek Section of John Day Highway; State project.

Complete bids follow:

Joslin & McAllister, Spokane	$19,620
H. C. Rogers	20,160
Chas. H. Hoyt, Silverton	20,500
Itschner & Rigdon, Barlow	21,600
Saxton & Looney, Corvallis	21,750
United Contr. Co., Portland	22,620
Earl L. McNutt, Eugene	23,380
Newport Const. Co., Portland	23,600
J. W. & J. R. Hillstrom, Marshfield	24,200
Schmeer, Williams and Gentemann, Portland	24,780
E. Hefty, Portland	27,800
Joplin & Eldon, Portland	27,980
Northwest Roads Co., Portland	28,040
E. C. Hall, Eugene	29,000
Portland Sand & Gravel Co.	29,560
Dunn & Baker, Klamath Falls	31,800
A. T. Dolan, Tillamook	33,820
R. I. Stuart & Sons	35,720

CONTRACT AWARDED

MULTNOMAH CO., Ore. — Parker-Schram Co., Couch Bldg., Portland, at $49,897 submitted the low bid and awarded contract by the Oregon State Highway Commission, Portland, Oct. 11, for 1.42 miles grading and paving on the Swift Section of Swift Secondary Highway; State project.

Complete bids follow:

Parker-Schram Co., Portland	$49,897
Harold Blake, Portland	51,522
Kern & Kibbe, Portland	53,708
Northwest Roads Co., Portland	53,998
F. J. Kernan, Faloma	55,537
Jacobsen-Jensen Co., Portland	55,958
Theo. Arenz, Portland	56,701
Edlefsen Weygandt, Portland	57 918
United Contr. Co., Portland	58,738

BIDS OPENED

HARNEY COUNTY, Ore. — Morrison - Knudsen Co., Boise, Idaho, at $147,800 submitted low bid to Oregon State Highway Commission, Portland October 11, for 3.43 miles of grading on the Nigger Flat-Stinkingwater Mt. Section of Central Oregon Highway; U.S.P.W. Project No. FLEC 4-E.

Complete bids follow:

Morrison-Kundsen, Boise	$147,800
Joplin & Eldon, Portland	148,758
Max J. Kuney Co., Spokane	151,700
Myers & Goulter, Seattle	157,235
A. C. Greenwood, Portland	157,235
Kern & Kibbe, Portland	163,218
Dunn & Baker, Klamath Falls	171,272
Earl McNutt, Eugene	173,622

AWARD RECOMMENDED

KLAMATH COUNTY, Ore.—Von der Hellen & Pierson, Medford, at $140,-356 (metal pipe) submitted low bid and recommended for award of contract by the Bureau of Public Roads, Portland, October 12, for 2.384 miles of constructing or improving the Crater Lake National Park, Rim Road PEC-7-C1, Unit 2, Grading, National Park Road Project, located within the

Crater Lake National Park, Klamath County, Oregon. Complete bids follow:

Von der Hellen & Pierson, Medford, (Metal Pipe) $140,356; (Concrete Pipe) $140,437.

Earl L. McNutt, Eugene, $143,129.-20; $143,210.00.

E. C. Hall, Eugene, $145,321.00; $145-343.00.

Frank J. Haas, Helena, $148,303.50; $148,326.00.

A. C. Greenwood Co., Inc., Portland, $158,325.20; $158,370.00.

Dunn & Baker, Klamath Falls, $159-232.00; $159,254.00.

Colonial Const. Co., Spokane, $159,-891.20; $159,958.00.

Guthrie - McDougall Co., Portland, $162,461.70; $162,515.00.

F. C. Dillard, Klamath Falls, $184,-135.20; $184,225.00.

BIDS OPENED

JEFFERSON COUNTY, Ore.—J. A. Lyons, 3305 NE Halsey, Portland, at $87,913 submitted low bid to the Oregon State Highway Commission, Portland, October 11, for 4.89 miles of grading on the Deschutes River-Agency Plains Section of Warm Springs Highway; U.S.P.W. Project NRS 197-B. Complete bids follow:

J. A. Lyons, Portland	$87,913
Colonial Const. Co., Spokane	94,362
Earl McNutt, Eugene	94,575
Theo. Arenz, Portland	98,357
E. Hefty, Portland	98,628
Von der Hellen & Pierson, Castaic, Calif.	99,622
Clifton & Applegate, Spokane	99,818
Kern & Kibbe, Portland	100,505
Myers & Goulter, Seattle	102,146
Berke Bros., Inc., Portland	106,916
Fisher Bros., Oregon City	107,835
Alex Besoloff, Seattle	108,192
James Borin, Portland	109,222
Dunn & Baker, Klamath Falls	118,415
A. C. Greenwood, Portland	120,141
Chas. H. Leonard	124,431
Siems-Spokane Co., Spokane	136,225
Joplin & Eldon, Portland	138,225
Parker-Schram, Portland	138,539

CONTRACT AWARDED

LINN COUNTY, Oregon — G. I. Stebbins Constr. Co., Klamath Falls, Oregon, at $44,445 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, October 11, for 0.71 mile of grading on the Lower Sheep Creek Section of Santiam Highway. U. S. P. W. Project NRH 196-B. Complete bids follow:

G. I. Stebbins, Klamath Falls	$44,445
Berke Bros., Portland	45,315
Geo. A. Haskins & Brooks Construction Co.	46,168
Myers & Goulter, Seattle	46,965
United Contracting Co., Portland	47,112
Fisher Bros., Oregon City	47,885
James Borin, Portland	48,155
Saxton & Looney, Corvallis	49,883
Coos Bay Constr. Co., Portland	50,244
Slate Constr. Co., Albany	51,779
E. L. Gates	53,262
Earl McNutt, Eugene	59,793

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $6480 submitted low bid and awarded contract by the Santa Clara County Board of Supervisors, San Jose, for improving Radio, Franchette, Terra Bella Ave., Malone Rd., Lincoln Court and Bridge Way with oil macadam pavement.

L. F. Piazza, San Jose, at $7980 submitted the only other bid.

AWARD RECOMMENDED

SNOHOMISH COUNTY, Wash. — James Borin, 1920 S. E. 44th St., Portland, at $44,496.54 submitted low bid and recommended for award of contract by the Bureau of Public Roads, Portland, October 12, for 0.3559 miles of constructing or improving the South Fork Stillaguamish Highway Grading Project FHEC-7-C, National Forest Road Project, located within the Mt. Baker National Forest, Snohomish County, Washington. Complete bids follow:

James Borin, Portland	$44,496.54
J. D. Harms, Inc., Seattle	47,281.36
A. Del Guzzo, Seattle	47,670.77
L. Romano Eng. Corp., Seattle	47,735.36
John Ottesen Co., Seattle	48,377.95
Mangus Espeland, Seattle	49,055.36
G. V. Notte, Bellingham	51,497.36
C. L. Creelman, Seattle	54,679.36
Northwest Con. Co., Seattle	58,705.77
Colonial Constr. Co., Spokane	62,519.77

AWARD

COCONINO COUNTY, Arizona — Skousen Bros., Albuquerque, N. M., at $44,577.40 awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section E of the Cameron-Desert View Approach to Grand Canyon National Park in Coconino County, Arizona.

AWARD RECOMMENDED

DOUGLAS COUNTY, Oregon — A. Milne, 2753 N. E. Broadway, Portland, at $101,942.50 submitted low bid and recommended for award of contract by the Bureau of Public Roads, Portland, October 12, for 11.47 miles of constructing or improving the Diamond Lake Highway Surfacing and Oiling Project FHEC-43-C4, National Forest Road Project, located within the Rouge River and Umpqua National Forests, Douglas County, Oregon. Complete bids follow:

A. Milne, Portland	$101,942.50
Homer G. Johnson, Portland	109,575.50
Dunn & Baker, Klamath Falls	117,078.00
Newport Constr. Co. and Kern & Kibbe, Portland	119,860.50
Northwest Rds Co. Portland	131,077.00

BIDS WANTED

NYE COUNTY, Nev.—Until Oct. 30, 2:15 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer Heroes Memorial Bldg., Carson City, for the construction of approximately 17 miles of asphaltic roadmix surface in Nye County between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5, Section B2, C and D1, FLEC-3F.

The work involves:

(1) 280,468 gals. asphalt road material, Type SC-2;
(2) 24,930 gals. do, Type MC-2;
(3) 17 miles roadmix;
(4) 17 miles finishing roadway.

Plans and specifications obtainable from the above office upon deposit of $5; $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS WANTED

ESMERALDA COUNTY, Nev.—Until October 30, 2 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Esmeralda County, Route 3, Sections D and E, NRH 97 A and B, between 4 miles west of Millers and Coaldale, a length of 23.19 miles.

The work involves:

(1) 1206 l.f. remove culvert pipe;
(2) 80 each remove culvert headwalls
(3) 119,750 c.y. roadway excav.;
(4) 26,188 sta. yds. overhaul;
(5) 4,686 c.y. select borrow;
(6) 2,500 c.y. struc. excavation;
(7) 23.63 miles subgrade;
(8) 23.64 miles finishing roadway;
(9) 96,300 tons crushed stone or gravel surface;
(10) 550 c.y. Class A concrete;
(11) 119 c.y. Class B concrete;
(12) 59,900 lbs. reinf. steel;
(13) 1,286 l.f. 24-in. CMP;
(14) 856 l.f. 30-in. CMP;
(15) 350 l.f. 36-in. CMP;
(16) 854 l.f. relay culvert pipe;
(17) 80 each move pipe culvert headwalls;
(18) 89 each monuments;
(19) 50 c.y. riprap.

Plans and specifications obtainable from the above office upon deposit of $5; $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

NEW BIDS ASKED

BERKELEY, Cal. — Until October 23, 10 A. M., new bids will be received by the Berkeley City Council for improving Shattuck Ave., between Bancroft Way and Carlton St.

Bids were previously opened and rejected October 9. Ransome Co., 4030 Hollis St., Emeryville, submitted low bid at that time at $4396.50.

Plans and specifications obtainable from the City Engineer upon deposit of $10.

LOW BIDDERS

COCONINO and GILA COS., Ariz.—Skousen Bros., Albuquerque, N. M., at $29,165 submitted low bid to the Bureau of Public Roads, 802 Title & Trust Bldg., Phoenix, for placing a base course on Section D of Route 10, the Pine - Winslow National Forest Highway, Coconino and Tonto National Forests, Coconino and Gila Counties, Arizona, for a length of 6.585 mi.

Tiffany Const. Co., San Jose, at $31-129 and Pierson & Dickerson Contractors, Inc., Prescott, at $34,500, submitted second and third low bids respectively.

Engineer's estimate, $31,400.

Five bids were received and all held under advisement. Complete bids will be published shortly.

CONTRACT AWARDED

TEHAMA COUNTY, Cal.—Frank C. Cuffe, Box 441, San Rafael, at $69,-680.23 awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section G of Route 21, Deer Creek Meadows National Forest Highway, Lassen National Forest, Tehama County.

TO ASK BIDS

SAN MATEO, San Mateo Co., Cal. —The State Division of Highways has authorized the City of San Mateo to call for bids for widening of El Camino Real between Second and Third Aves., including extension of culvert over San Mateo Creek. Date for receiving bids probably will be set at next council meeting. Estimated cost $10,000.

BIDS WANTED

HEALDSBURG, Sonoma Co., Cal.—Healdsburg City Council will receive bids probably November 5, for improvement of West Street, including realignment and construction of retaining wall at Mill St. Work is financed by gasoline tax funds and contract is subject to approval of State Division of Highways. Information is obtainable from City Engineer Archer B. Stuart.

BIDS OPENED

LOS ANGELES, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, submitted low bid to the Los Angeles Harbor Department, Oct. 10

for widening Neptune and South Seaside Ave.; Spec. No. 933.

Complete bids follow:

Griffith Co., (1) 24,200 sq. ft. 7-in. cement concrete pavement (Neptune Ave.) 18.9c, total $4668.30; (2) 2750 sq. ft. 7-in. do (Seaside Ave.) 18.19c, total $519.75.

Sully-Miller Contr. Co., (1) 19.6c, $4841.20; (2) 22c, $605.

C. R. Butterfield, (1) 19.9c, $4915.30; (2) 19.9c, $547.25.

Chas. Booth, (1) 21.5c, $5310.50; (2) 21.5c, $591.25.

Brook & Clark, (1) 22.2c, $5483.40; (2) 22.2c, $610.50.

Southern California Roads Co., (1) 23c, $5681; (2) 23c, $632.50.

Koopman Wright Co., (1) 24c, $5928; (2) 24c, $660.

All bids held under advisement.

BID OPENING POSTPONED

MONTEREY COUNTY, Cal.—Until October 22, 2 P. M., date postponed from October 15, previously reported, bids will be received by the Department of Public Works of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for about 1.4 mile of bituminous surface treatment to be applied on Munras Ave., Abrego St., and Fremont St. in the City of Monterey.

Plans and specifications obtainable from the above office.

BIDS WANTED

ARIZONA STATE — Until October 30, 10 A. M., bids will be received by Arizona State Highway Commission, Phoenix, Arizona, for improving the Kingman - Boulder Dam Highway, NRS 102-B (AFE 6903). The work, which begins about 30 miles northwest of Kingman and extends northwesterly approximately 9 miles, consists of grading and draining the roadway. The work involves:

(1) 600 cu. yds. roadway excav.;
(2) 2700 cu. yds structural excav.;
(3) 7700 cu. yds. drainage excav.;
(4) 68,200 cu. yds. borrow excav.;
(5) 1607 cu. yds. Class A concrete;
(6) 149,200 lbs. reinforcing steel;
(7) 1184 lin. ft. 30-in. C. M. pipe;
(8) 320 lin. ft. 36-in. C. M. pipe.

Funds have been programmed for the construction in the amount of $93,000. Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer.

LOW BIDDERS

LANE COUNTY, Oregon — Theo. Arenz, 1059 N. E. Sandy Blvd., Portland, at $162,446.60 (metal pipe) submitted low bid to the Bureau of Public Works, 316 New Post Office Bldg., Portland, October 10, for constructing or improving the Willamette Highway Grading and Advance Clearing Project NK-21-H, National Forest Road Project, located within the Willamette National Forest, Lane County, Oregon. The length of the project is approximately 2.317 miles grading, and 0.985 miles additional advance clearing. Bids were taken as follows:

(A) All metal pipe.
(B) Large metal pipe and concrete pipe;
(C) Concrete box and concrete pipe.
(D) Concrete box and metal pipe.

The three low bids follow:

Theo. Arenz, Portland (A) $162,446.60 (B) $162,696.60; (C) $163,433.60; (D) $163,183.60.

A. C. Greenwood, Portland, (A) $162,746.10; (B) $163,146.10; (C) $163,050.10; (D) $162,650.10.

Kern & Kibbe, Portland, (A) $164,-893.40; (B) $165,163.40; (C) $166,-106.40; (D) $165,836.40.

BIDS OPENED

GILA COUNTY, Ariz.—Rogers Bros. Snowflake, Arizona, and Leo Frost, Joseph City, Arizona, at $1,925 submitted identical bids to the Bureau of Public Roads, Phoenix, October 9, for resurfacing on Route 12, Globe-Holbrook National Forest Highway, Section H, unit 1 ,for a distance of 1.646 miles in the Tonto National Forest, Gila County, Arizona.

The unit bids were:

(1) 2,700 c.y. selected material for subgrade reinf. ($.50; (E.E.) $.75.
(2) 2,300 c.y. mi. hauling selected material for do, $.25; $.18.

Engineer's estimate, $2,439. Award was recommended to Rogers Brothers by casting lots.

NOTICE TO BIDDERS

STATE OF CALIFORNIA—A representative of the district office will accompany prospective bidders over the proposed project in San Diego County between the Military Reservation and Canon St., San Diego, Road XI-S.D.-12-S.D, for which bids are to be received November 1, in Los Angeles.

Said representative will meet prospective bidders in the district office, 310 Union Bldg., San Diego, on Friday, October 19 and Friday, October 26, at 10 A. M.

A representative of the district office will accompany prospective bidders over the proposed project in Santo Barbara County between Gaviota Creek and Nojoqui Creek, Road V-S. B-2-E.D, for which bids are to be received on October 31, in Sacramento.

Said representative will meet prospective bidders at Las Cruces Store at south end of project on Tuesday, Oct. 23, at 10 A. M.

Prospective bidders are urged to cooperate with the district office and arrange to make their field inspection on the above dates.

CONTRACT AWARDED

LINN COUNTY, Ore.—Slate Const. Co., Albany, at $43,182.52 (CGMP) awarded contract by the Bureau of Public Roads, Portland, for grading the North Santiam Highway Grading Proj. FHEC 24-F1, National Forest Road Project, Linn Co. Ore.

BIDS WANTED

BERKELEY, Alameda Co., Calif.—Until October 23, 10 A. M., as previously reported, new bids will be received by the Berkeley City Council for Improving Shattuck Ave. between Bancroft Way and Carlton St.

The work involves:

(1) 16,000 sq. ft. grading;
(2) 10 c.y. grading below subgrade;
(3) 13,700 sq. ft. asph. conc. pave.;
(4) 325 l.f. concrete curb;
(5) 2 ea., junction boxes reconstructed.

Plans and specifications obtainable from the city engineer upon deposit of $10.00.

NOTICE TO BIDDERS

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced prices for blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on October 31, and in Los Angeles on November 1, 1934:

V-S.B-2-E.D between Gaviota Creek and Nojoqui Creek, to be opened in Sacramento: Plans (No. of Sheets) 16, (Cost) $1.60; Cross-Sections), (No. of Sheets) 128, (Cost) $12.80; (total) $14.40.

VI-Ker-4-Bkd under the tracks of the A. T. & S. F. Ry. at Union Ave., to be opened in Sacramento: Plans (No. of Sheets) 10, (Cost) $1.00; Cross Sections, No. of Sheets) 11, (Cost) $1.10; (total) $2.10.

VII-L.A-4-E between Newhall Tunnel and Saugus, to be opened in Los Angeles: Plans (No. of Sheets) 13, (Cost) $1.30; Cross-Sections (No. of Sheets) 67, (Cost) $6.70; (total) $8.00.

X-Sac-54-B repairs to two bridges near Walnut Grove, to be opened in Sacramento: Plans (No. of Sheets) 4, (Cost) $.40; Cross-Sections, none; (total) $.40.

XI-S.D-12-S.D between the Military Reservation and Canon St., to be opened in Los Angeles: Plans (No. of Sheets) 6, (Cost) $.60; Cross-Sections, (No. of Sheets) 38, (Cost) $3.80; (Total) $4.40.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

BIDS WANTED

DOUGLAS COUNTY, Nev. — Until October 30, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Douglas County, Route 3, Section C2 and C4, NRH 38 A, B, and 99A, between Cradlebaugh and Clear Creek, a length of 4.73 miles.

The work involves:

(1) 62 l.f. remove culvert pipe;
(2) 4 each remove culvert headwalls;
(3) 26,400 c.y. rdwy. excavation;
(4) 44,136 sta. yds. overhaul;
(5) 12,900 c.y. select borrow;
(6) 780 c.y. struc. excavation;
(7) 4.68 miles subgrade;
(8) 4.73 miles finishing roadway;
(9) 225 c.y. Class A concrete;
(10) 3 c.y. Class B concrete;
(11) 55 c.y. Class D concrete;
(12) 38,500 lbs. reinforcing steel;
(13) 49,000 lbs. structural steel;
(14) 4.8 MFBM redwood lumber;
(15) 910 l.f. treated piling;
(16) 26 each driving treated piling;
(17) 252 l.f. 18-in. CMP;
(18) 206 l.f. 24-in. CMP;
(19) 34 l.f. 30-in. CMP;
(20) 62 l.f. rleay culvert pipe;
(21) 30 each move pipe culvert headwalls;
(22) 65 c.y. demolishing concrete;
(23) 4.74 miles salvage and relay surface;
(24) 12,200 tons plant mix crushed gravel or stone base;
(25) 8,800 tons plant mix asph. surf.;
(26) 441 tons asphalt road material, Type MC-3 or MC-4;
(27) 6,947 gals. do, Type SC-1A;
(28) 550 M. gals. water;
(29) 21 each monuments.

Plans and specifications obtainable from the above office upon deposit of $5; $2.50 returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS OPENED

KLICKITAT COUNTY, Wash.—Fred G. Redmon, Yakima, Wash., at $42,-764 submitted low bid to L. V. Murrow, Director of Highways, Olympia, October 9, for surfacing with crushed stone, stockpiling oil rock and constructing a bituminous mat by the bituminous macadam method on about 2.7 miles and stockpiling oil rock only for about 3.9 miles of State Road No. 8, Yakima - Klickitat County line to Reservation Boundary, USPW Project FLEC-3, in Klickitat County.

The other bids were:
Mathiesson Const. Co., Sunnyside $43,947
Rogers Const. Co., Dayton..... 45,220
Bids held under advisement.

BIDS WANTED

ARIZONA STATE.—Until Oct. 30, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for improving the Ashfork-Kingman Highway (AFE 6627) NRO 80-H. The work, which is to begin about 32 miles northwest of Ashfork Junction and extend about 9.8 miles northwesterly, consists of grading and draining the roadway.

The work involves:
(1) 18,200 c.y. rdwy. excavation;
(2) 1,400 c.y. struc. excavation;
(3) 15,400 c.y. drainage excavation;
(4) 84,200 c.y. imported borrow, CIP;
(5) 19,400 c.y. select material;
(6) 27,200 c.y. mi. select material haul
(7) 18,800 c.y. ABC;
(8) 51,900 c.y. mi. ABC haul;
(9) 894 c.y. Class A concrete;
(10) 86,400 lbs. reinforcing steel;
(11) 944 l.f. corrugated metal pipe;
(12) 84,500 l.f. line fence;
(13) incidental items.

Funds have been programmed for the construction of this project in the amount of $146,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the work, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto. T. S. O'Connell, State Highway Engineer.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

LEWIS CO., Wash.—Lidral Const. Co., 1006 Securities Bldg., Seattle, at $27,272 awarded contract by L. V. Murrow, Director of Highways, Olympia, October 9 for clearing, grading and surfacing with crushed stone about 3.9 miles of the county road between Riffe and Morton, USPW Project NRS 198-A in Lewis County.

CONTRACT AWARDED

OKANOGAN COUNTY, Wash.—Joslin & McAllister, E. 3038 Trent, Spokane, at $44,923.37 awarded contract by the Bureau of Public Roads, Portland, for surfacing 6.4819 miles of the Loup Loup Highway Project FHEC-28-A1, B1, National Forest Road Project, located within the Chelan National Forest, Okanogan County, Wash.

BIDS WANTED

BURLINGAME, San Mateo Co., Cal.—Until November 5, 8 P. M., bids will be received by the Burlingame City Council for the improvement of El Camino Real in the City of Burlingame from the Hillshorough line near Oak Grove Ave. northerly to a point near Edgehill Drive on said El Camino Real.

The work includes resurfacing with an asphalt concrete surface, together with the necessary grading, curbing, sidewalks, gutters and other appurtenances.

A list of bid items will be published shortly. Chas. M. Thomas is the city engineer. 29

BIDS OPENED

ALAMEDA, Cal.—Heafey-Moore Co. 344 High St., Oakland, at $13,395 submitted low bid to the Alameda City Council for improving Maitland Drive from Bay Farm Island Bridge, 3450 feet south.

Total bids follow:
(A) Heafey-Moore Co., Oakland, $13,395.
(B) Independent Const. Co., Oakland, $13,710.

Unit bids follow:
(1) 750 tons top asphalt in place, (A) $4.45; (B) $4.50.
(2) 1,500 tons base asphalt in place, (A) $4.20; (B) $4.25;
(3) 6,900 l.f. 2x4-ft. header boards, (A) $.30; (B) $.30;
(4) 695 c.y. quarry run rock, (A) $2.50 (B) $2.80.

The bid submitted by the Ransome Company of Emeryville was not read as the bid bond submitted by the company in lieu of a certified check was not acceptable to the City Council as bid security.

Bids forwarded to the State Highway Commission for award.

October 19, 1934

BIDS WANTED

LEWIS COUNTY, Wash.—Until November 7, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and retopping the existing pavement with asphaltic concrete on about 0.5 mile of State Road No. 1, Market St., between Division Sa.n and Main St., in Chehalis; U.S.P.W. Project NRM 57-D, in Lewis County. The work involves about 75 c.y. cement concrete pavement, 1,834 tons of asphaltic concrete pavement, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00. 29

October 19, 1934

BIDS WANTED

WATSONVILLE, Salinas Co., Cal.—Until October 23, 7:30 P M.., bids will be received by the Watsonville City Council, M. M. Swisher, City Clerk, for the removal of the existing pavement on East Lake Ave. (State Highway Route No. 32), for the southwestern wall line of Madison Street to the northeasterly boundary of the city of Watsonville, and rebuilding the same to the required crown and grade from salvaged material and such new material as may be needed, together with the reconstruction of certain manholes, driveways, curb, gutter and sidewalk sections appurtenant to such pavement reconstruction.

Plans and specifications obtainable from the above office. * 29

October 19, 1934

BIDS WANTED

CURRY CO., Oregon.—Until Nov. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for 0.42 mile grading and surfacing on the Church Section of Cape Blanco Secondary Highway; U.S.P.W. Project NRS 210-B. The work requires approximately 15,000 cu. yds. excavation and 450 cu. yds. barrun gravel surfacing.

Plans and specifications obtainable from the State Highway Engineer, Room 322, State Office Bldg., Salem, upon deposit of $5.00. 29

October 19, 1934

BIDS WANTED

STOCKTON, Cal.—Until November 5, 5 P. M., (to be opened at 8 P. M.), bids will be received by the Stockton City Council, B. L. Trahern, City Clerk, City Hall, Stockton, for the improvement of portions of Wilson Way, between Scotts Avenue and Worth St., and between Anderson St. and Jackson St.

Plans and specifications obtainable from the above office. * 29

October 19, 1934

BIDS WANTED

BENTON COUNTY, Oregon.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 2.31 miles of grading on the Southth Fork-Bummer Creek Section of Alsea-Deadwood Secondary Highway; U. S. P. W. Project NRS 228-B. The work requires approximately 45,000 c.y. of excavation and 10,000 c.y. of roadbed topping.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00. 29

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UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

CLARK & LINCOLN COS, Nev.—49.7 Mi. Surfacing (State)

CLARK AND LINCOLN COUNTIES, Nevada—J. C. Compton, McMinnville, Oregon, at $81,338.62, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, October 10, for the construction of an asphaltic roadmix surface in Clark and Lincoln Counties, between Glendale and Maynard Lake, a length of 49.78 miles. The work involves:

(1) 4,000 c.y. excavation;
(2) 6,655 c.y. filler;
(3) 735,915 gals. asph. road material, Type SC-2;
(4) 73,007 gals. do, Type MC-2;
(5) 49.78 miles roadmix;
(6) 49.78 miles finish roadway.

Total bids follow:

(A) J. C. Compton, McMinnville, $81,338.62.
(B) C. F. Fredericksen & Sons, Lower Lake, Calif., $89,963.06.
(C) J. A. Casson and U. B. Lee, Oakland, $90,245.10.
(D) Geo. French Jr., Stockton, $96,343.93.
(E) Dodge Constr. Co., Inc., Fallon., $102,252.57.
(F) Union Paving Co., San Francisco, $109,280.72.
(G) Olof Nelson, Logan, Utah., $112,785.54.
(H) Engineer's Estimate, $111,090.72

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 1.50	$ 1.00	$ 1.50	$ 2.00	$ 1.75	$ .75	$ .50	$ 1.50
(2)	1.00	.75	1.00	1.25	1.25	.75	.50	1.25
(3)	.055	.06	.06	.065	.07	.075	.08	.08
(4)	.10	.102	.10	.10	.11	.12	.12	.11
(5)	400.00	500.00	500.00	450.00	500.00	600.00	600.00	550.00
(6)	20.00	90.00	25.00	50.00	50.00	150.00	200.00	50.00

SAN DIEGO COUNTY—0.6 Mi. Grade and Surf.—(State)

SAN DIEGO COUNTY, Cal.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $42,807.75, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, October 11, for constructing approaches to Escondido Creek bridge about 0.6 mile in length, to be graded and surfaced with bituminous treated crushed gravel or stone. The work involves:

(1) 6,000 c.y. rdwy. excav., unclass.;
(2) 8,500 c.y. channel excavation;
(3) 9,000 sta. yds. overhaul;
(4) 60,000 c.y. imported borrow;
(5) 1,100 c.y. structure excavation;
(6) 2,900 tons crushed gravel or stone (bit. treated surface);
(7) 130 tons cutback asphalt;
(8) 1,250 sq. yds. asph. paint binder;
(9) 21 tons fuel oil;
(10) 520 c.y. remove existing concrete pavement;
(11) 500 c.y. do existing conc. bridge;
(12) 13 c.y. Class A Portland cement concrete structure;
(13) 405 c.y. Class A Portland cement concrete;
(14) 165 lbs. bar relnf. steel;
(15) 3,700 sq. yds. wire mesh reinf.;
(16) 3 each spillway assemblies;
(17) 50 l.f. 8-in. CMP;
(18) 20 l.f. 18-in. CMP;
(19) 40 l.f. 72-in. CMP;
(20) 50 each timber guide posts;
(21) 5 culvert markers;
(22) 1,900 l.f. laminated timber guard rail;
(23) 1,150 c.y. concrete riprap;
(24) 600 tons rock riprap;
(25) 2,900 M. gals. water;
(26) 30 stations finishing roadway;
(27) 14 comp., monuments in place.

Complete bids follow:

(A) Sharp & Fellows Contr. Co., Los Angeles, $42,807.75.
(B) Geo. J. Bock & Son, Los Angeles $47,673.25.
(C) Wm. C. Horn Co., $51,236.50.
(D) Griffith Co., Los Angeles, $53,689.00.
(E) C. O. Sparks, Los Angeles, $55,281.50.
(F) V. R. Dennis, San Diego, $56,005.50.
(G) Daley Corp., San Diego, $57,581.
(H) Walter Trepte, San Diego, $58,169.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .245	$ .29	$ .22	$ .40	$ .35	$ .30	$ .40	$ .30
(2)	.245	.29	.35	.26	.30	.25	.27	.25
(3)	.01	.0025	.01	.01	.01	.01	.01	.02
(4)	.245	.26	.24	.27	.36	.31	.33	.37
(5)	.40	.80	1.00	1.00	.75	.75	1.00	1.00
(6)	2.50	3.10	3.90	2.45	2.85	3.80	3.00	3.00
(7)	15.00	16.00	17.80	17.00	17.00	17.50	18.00	18.00
(8)	.02	.10	.03	.03	.05	.02	.03	.10
(9)	17.50	12.00	10.00	20.00	25.00	12.00	20.00	20.00
(10)	1.10	1.25	1.10	2.00	1.50	1.00	2.00	2.00
(11)	4.00	3.00	5.25	2.50	3.50	4.00	5.00	6.00
(12)	20.00	22.50	20.00	25.00	20.00	20.00	25.00	22.00
(13)	12.00	11.50	14.20	15.00	14.00	15.00	13.00	10.00
(14)	.05	.05	.05	.10	.10	.10	.10	.05
(15)	.30	.40	.24	.50	.30	.30	.40	.50
(16)	5.00	18.00	20.00	20.00	12.50	10.00	15.00	6.00
(17)	.30	.20	.50	.50	.50	.50	.35	.35
(18)	.40	.35	.50	1.00	.75	1.00	.50	.40
(19)	2.00	5.00	1.20	3.00	3.00	3.00	4.00	.50
(20)	1.50	2.50	2.15	2.00	3.00	2.00	2.00	1.50
(21)	1.50	2.50	2.15	2.00	2.00	2.00	2.50	1.50
(22)	.90	1.00	1.00	2.00	1.25	1.00	1.40	1.50
(23)	1.00	1.00	1.15	1.80	1.00	1.50	2.00	2.00
(24)	2.50	3.00	3.75	3.50	3.25	5.00	3.50	3.50
(25)	.30	.50	.50	1.00	.50	.60	.75	.45
(26)	5.00	6.00	5.00	5.00	5.00	10.00	5.00	6.00
(27)	3.00	3.00	3.00	2.50	2.50	3.00	3.00	4.00

BIDS OPENED

ALAMEDA, Alameda Co., Cal.—Independent Const. Co., Ltd., 46th Ave. and Clement St., Oakland, at $23,679 submitted low bid to the Alameda City Council for widening Webster Street from segregation line to north curb line of Central Avenue.

Total bids follow:

(A) Independent Const. Co., $23,679.00.
(B) Heafey-Moore Co., Oakland, $24,120.80.

Unit bids follow:

(1) 5,400 l.f. concrete curb, (A) $.70; (B) $.61;
(2) 4,660 sq. ft. concrete gutters, (A) $.30; (B) $.38;
(3) 1,600 sq. ft. concrete gutters, (A) $.33; (B) $.47;
(4) 20,000 sq. ft. gutter grading, (A) $.06; (B) $.07;
(5) 25,000 sq. ft. 5-in. asphalt concrete pavement, (A) $.18; (B) $.17;
(6) 34,000 sq. ft. 3-in. do, (A) $.135; (B) $.16;
(7) 950 l.f. 8x30-in. corrugated culverts, (A) $4.50; (B) $4.00;
(8) 144 l.f. 6x24-in. do, (A) $4.25; (B) $3.50;
(9) 9,000 sq. ft. sidewalk pavement, (A) $.17; (B) $.18;
(10) 250 tons asphalt surfacing, (A) $4.50; (B) $5.00.

The bid submitted by the Ransome Company was rejected by vote of the City Council as the bid bond offered by the company in lieu of a certified check was not acceptable as bidder's security.

Bids forwarded to the State Highway Commission for award.

BIDS OPENED

SAN FRANCISCO. — Pacific Pavements Co., Ltd., 85 Barstow St., at $37,688.50 submitted low bid to the Public Utilities Commission, City Hall for laying 6- and 8-inch cast iron mains in the area from Division St. to Esmeralda Ave. and from Mission to Iowa Streets, under Spec. W. D. 51.

Total bids follow:

(A) Pacific Pavements Co., Ltd., $37,688.50.
(B) Fay Improvement Co., $50,629.00.
(C) Lowrie Paving Co., $77,161.00.

Unit quantities follow:

(1) 25,600 l.f. excavation and backfill for 6- and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 410 c.y. additional excavation and backfill;
(3) 1,000 sq. ft. additional pavement removal and replacement;
(4) installation of pipe:
  (a) 21,750 l.f. 6-in. bell and spigot C. I. pipe;
  (b) 3,850 l.f. 8-in. do;
(5) 15,500 lbs. installing fittings, gate valves, etc.;
(6) 3,800 l.f. bell and spigot joints for pipe and fittings;
(7) 37,300 sq. ft. repavement;
(8) connections, work to be done by the S. F. Water Department.

Unit bids follow:

	(A)	(B)	(C)
(1)	$ .655	$ 1.00	$ 2.11
(2)	3.00	2.00	1.00
(3)	.325	.35	.35
(4a)	.115	.15	.10
(4b)	.125	.17	.10
(5)	.015	.02	.01
(6)	.41	.59	.60
(7)	.225	.30	.30
(8)	6200.00	6200.00	6200.00

All bids held under advisement.

SAN FRANCISCO — University Mound Reservoir — (City)

SAN FRANCISCO—Granfield-Farrar & Carlin, 67 Hoff St., San Francisco, at $97,025 submitted low bid to the Public Utilities Commission, City Hall, for excavation and embankment for the University Mound Reservoir, under Specifications W. D. 64. The work involves:

(1) Lump sum, moving caretaker's residence;
(2) 250,000 cu. yds. excavation and disposal of surplus material;
(3) 170,000 cu. yds. construction of embankment;
(4) 2500 hours, providing and operating rolling equipment;
(5) 500 cu. yds. structure excavation
(6) 75 cu. yds. concrete work;
(7) 1500 lin. ft. 6-in. tile drain.

Total bids follow:

(A) Granfield-Farrar & Carlin, $97,-025.
(B) Peninsula Paving Co., San Francisco, $121,887.50.
(C) MacDonald & Kahn, San Francisco, $142,650.
(D) Fredrickson & Watson Constr. Co., Oakland, $149,800.
(E) Sibley Grading & Teaming Co., San Francisco, $164,650.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$750.00	$820.00	$1000.00	$1600.00	$1000.00
(2)	.22	.295	.37	.37	.32
(3)	.17	.185	.20	.26	.37
(4)	4.00	5.25	4.50	3.50	6.50
(5)	.70	1.00	.50	1.00	3.00
(6)	15.00	20.50	30.00	20.00	20.00
(7)	.60	.47	.60	.50	1.00

All Bids held under advisement.

WHITE PINE CO. Nev.—7.35 Mi. Grade and Surf.—(State)

WHITE PINE COUNTY, Nev.—Isbell Const. Co., Carson City, at $39,-893.18, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, October 10, for the construction of a portion of the State Highway System in White Pine County between Preston and the junction with Route 4, a length of 7.35 miles.

Total bids follow:

(A) Isbell Const. Co., Carson City, $39,893.18.
(B) Harms Bros., Sacramento, $41,-022.93.
(C) Dodge Const., Inc., Fallon, $43,-932.02.
(D) Gibbons & Reed, Salt Lake City, $46,330.38.
(E) Union Paving Co., San Francisco, $53,163.08.
(F) Engineer's estimate, $41,493.68.

Unit quantities follow:

(1) 50 acres clearing and grubbing;
(2) 239 l.f. remove culvert pipe;
(3) 60 c.y. remove concrete;
(4) 32,500 c.y. rdwy. excav.;
(5) 12,034 sta. yds. overhaul;
(6) 8,695 c.y. select borrow;
(7) 600 c.y. struc. excavation;
(8) 7.35 miles subgrade;
(9) 7.35 miles finish roadway;
(10) 23,200 tons crush. gravel or stone surface;
(11) 57 c.y. Class B concrete;
(12) 1,200 lbs. reinforcing steel;
(13) 288 l.f. 15-in. CMP;
(14) 502 l.f. 18-in. CMP;
(15) 656 l.f. 24-in. CMP;
(16) 134 l.f. 30-in. CMP;
(17) 180 l.f. 36-in. CMP;
(18) 190 l.f. 48-in. CMP;
(19) 72 l.f. relay culvert pipe;
(20) 36 each monuments.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 20.00	$ 30.00	$ 20.00	$ 15.00	$ 40.00	$ 20.00
(2)	.50	.50	1.00	.50	.60	1.00
(3)	10.00	4.00	10.00	5.00	5.00	5.00
(4)	.25	.38	.30	.41	.60	.35
(5)	.02	.02	.03	.03	.02	.02
(6)	.40	.45	.40	.50.	.50	.40
(7)	1.00	1.50	1.50	1.00	1.50	1.00
(8)	100.00	100.00	100.00	100.00	100.00	100.00
(9)	100.00	150.00	100.00	150.00	100.00	100.00
(10)	.65	.55	.70	.70	.65	.60
(11)	35.00	30.00	30.00	22.00	30.00	28.00
(12)	.10	.08	.10	.07	.10	.08
(13)	**1.75**	**1.50**	2.50	1.84	2.00	1.75
(14)	2.25	1.75	**3.00**	**2.12**	2.25	2.25
(15)	3.00	2.50	3.50	3.06	3.00	3.25
(16)	4.00	3.00	4.00	3.76	4.00	3.75
(17)	5.60	4.00	6.00	5.57	6.00	6.00
(18)	9.25	6.00	9.00	9.41	10.00	8.50
(19)	.50	.50	1.00	1.50	.75	1.00
(20)	3.50	3.00	4.00	3.00	3.00	4.00

COMPLETE BID LISTING

CLARK COUNTY, Nevada. — Union Paving Co., Call Bldg., San Francisco, at $45,412.12, as previously reported, submitted low bid and was awarded contract by the Nevada State Highway Directors, Carson City, Oct. 10, for the construction of a portion of the State Highway System in Clark County between 3 miles southwest of Apex and Apex, Route 6, Section D1, a length of 2.71 miles.

Total bids follow:

(A) Union Paving Co., San Francisco,
(B) Gibbons & Reed Co., Salt Lake City, $55,649.35.
(C) Olof Nelson, Logan, Utah, $58,-430.75.
(D) Dodge Const., Fallon, $59,045.43.
(E) Engineer's estimate, $50,455.12.

Unit quantities follow:

(1) 19 acres clearing and grubbing;
(2) 53,200 c.y. rdwy. excav.;
(3) 200 c.y. struc. excav.;
(4) 4,160 c.y. select borrow;
(5) 2.89 miles salvage and relay surf.,
(6) 2.71 miles subgrade;
(7) 10,780 tons crush. gravel or stone surface;
(8) 7 each remove culvert headwalls;
(9) 13 c.y. Class B concrete;
(10) 260 lbs. reinforcing steel;
(11) 350 l.f. 18-in. CMP;
(12) 178 l.f. 24-in. CMP;
(13) 44 l.f. 30-in. CMP;
(14) 98 l.f. 36-in. CMP;
(15) 138 l.f. remove culvert pipe;
(16) 42 l.f. relay culvert pipe;
(17) 30 c.y. hand laid riprap;
(18) 18 each monuments;
(19) 49,466 gals. asph. road material, Type SC-2;
(20) 4,355 gals do. Type MC-2;
(21) 2.71 miles roadmix;
(22) 2.71 miles finish roadway.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$50.00	$15.00	$50.00	$15.00	$20.00
(2)	.48	.60	.56	.70	.60
(3)	1.50	.80	3.00	1.50	1.25
(4)	.50	.35	.80	.50	.40
(5)	600.00	950.00	500.00	880.00	600.00
(6)	100.00	100.00	100.00	100.00	100.00
(7)	.50	.73	1.00	.65	.50
(8)	10.00	10.00	5.00	7.50	5.00
(9)	40.00	30.00	30.00	32.50	25.00
(10)	.15	.07	.10	.10	.10
(11)	3.00	1.95	2.00	2.50	2.50
(12)	4.00	2.90	3.00	3.50	3.00
(13)	5.00	3.60	4.00	4.00	4.50
(14)	7.00	5.60	5.00	6.50	7.00
(15)	.60	1.00	1.00	1.00	1.00
(16)	.60	1.00	1.00	1.00	1.00
(17)	5.00	5.00	5.00	4.00	4.00
(18)	4.00	3.00	5.00	3.00	4.00
(19)	.07	.10	.10	.07	.07
(20)	.10	.15	.13	.12	.10
(21)	500.00	800.00	1000.00	650.00	600.00
(22)	100.00	150.00	100.00	150.00	100.00

BIDS OPENED

PLUMAS COUNTY, Cal. — Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $152,635.80 submitted low bid to the State Highway Commission, Sacramento, for about 2.5 miles of grading in Plumas County, between Rock Creek and Storrie. The work involves:

(1) 25 acres clear and grub right of way;
(2) 156,000 c.y. rdwy. excav., unclass.
(3) 375,000 sta. yds. overhaul;
(4) 3,650 c.y. struc. excav.;
(5) 20 c.y. Class A Portland cement concrete (structures);
(6) 1,400 lbs. bar reinf. steel (struc.);
(7) 40 l.f. 12-in. CMP;
(8) 608 l.f. 18-in. CMP;
(9) 98 l.f. 24-in. CMP;
(10) 52 l.f. 30-in. CMP;
(11) 164 l.f. 36-in. CMP;
(12) 44 l.f. 48-in. CMP;
(13) 2,325 c.y. rubble masonry;
(14) 130 stations finishing roadway;
(15) 53 each monuments complete in place.

Total bids follow:

(A) Peninsula Paving Co., San Francisco, $152,625.80.
(B) Young & Son Co., Ltd., Berkeley $158,184.90.
(C) Granfield - Farrar & Carlin, San Francisco, $166,319.70.
(D) D. McDonald & Polous & McEwen, Sacramento, $168,242.90.
(E) A. Teichert & Son, Sacramento, $168,796.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$300.00	$200.00	$200.00	$125.00	$150.00
(2)	.655	.75	.80	.81	.73
(3)	.013	.005	.01	.01	.01
(4)	1.50	1.50	1.50	2.00	2.00
(5)	30.00	30.00	30.00	30.00	27.00
(6)	.07	.05	.06	.07	.06
(7)	1.30	1.30	1.15	1.20	1.50
(8)	1.75	1.65	1.65	1.55	2.00
(9)	2.80	2.50	2.43	2.40	3.00
(10)	3.60	3.15	3.00	3.50	3.50
(11)	5.30	4.55	4.60	5.20	4.50
(12)	9.75	7.80	8.00	8.00	10.00
(13)	12.00	10.50	10.00	10.10	12.00
(14)	7.00	8.00	5.00	5.00	5.00
(15)	4.00	3.00	3.00	5.00	3.50

FORT MASON — DISTRIBUTION SYSTEM — (GOVT.)

FORT MASON, Cal.—A. Soda and Son, 554 42nd St., Oakland, at $38,370 submitted low bid to the Constructing Quartermaster, Fort Mason, under Bid No. W 6616-35-4, for the completion of underground electrical system at Fort Mason.

Bids were taken as follows:

(1) work complete;
(2) if U. S. furnishes 9,000 l.f. 3-in. duct, deduct per lin. ft.;
(3) if clay duct is used as specified, add;
(4) if soap stone duct is used as specified in lieu of fibre duct, add;
(5) excavation, per c.y.;
(6) concrete;
(7) reinforcing steel, per pound;
(8) 4 duct lines;
(9) 6 duct lines;
(10) 8 duct lines;
(11) concrete manholes, Type C;
(12) do, Type D.

Total bids follow:

(A) A. Soda & Son, Oakland, $38,370.
(B) H. C. Reid & Co., San Francisco, $39,892.00.
(C) G. H. Armstrong, San Francisco, $41,974.00.
(D) Severin Electric Co., San Francisco, $42,108.00.
(E) Chas. Langlais, San Francisco, $44,921.00.
(F) Bennett & Taylor, Los Angeles, $45,642.00.
(G) Central Electric Co., San Francisco, $45,900.00.
(H) Enterprise Electric Co., San Francisco, $46,050.00.
(I) B. J. Doherty Co., San Francisco, $46,974.00.
(J) H. S. Tittle Co., San Francisco, $47,137.00.
(K) Wiedenthal-Gosliner Elec. Works, $47,333.00.
(L) Globe Electric Works, San Francisco, $50,891.00.
(M) Victor Lemoge, San Francisco, $50,927.00.
(N) West Coast Electric Co., San Francisco, $53,226.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	See above total bids			$	$	$	$	$ .....
(2)	.08	.05	.06	.05	.06	.03	.05	.115
(3)	1000.00	700.00	492.00	750.00	450.00	400.00	710.00	694.00
(4)	200.00	350.00	392.00	375.00	380.00	400.00	375.00	874.00
(5)	2.00	2.00	1.65	2.00	1.50	3.00	2.00	1.73
(6)	15.00	15.00	13.00	15.00	17.00	15.00	16.00	23.00
(7)	.05	.06	.05	.06	.05	.06	.07	.057
(8)	.85	1.25	1.65	1.30	.77	2.00	1.35	2.01
(9)	1 35	1.75	2.00	1.90	1.30	2.50	1.75	2.92
(10)	1.75	2.00	2.45	2.05	1.40	3.44	2.12	3.38
(11)	250.00	500.00	400.00	475.00	490.00	250.00	520.00	402.00
(12)	85.00	200.00	390.00	190.00	194.00	150.00	252.00	144.00

	(I)	(J)	(K)	(L)	(M)	(N)
(1)	See above totals		$	$	$	$ .....
(2)	.06	.05333	.0575	.06	.08	.10
(3)	667.00	1250.00	300.00	.....	205.00	580.00
(4)	540.00	365.00	300.00	.....	293.00	300.00
(5)	1.25	3.79	1.65	1.50	1.25	1.75
(6)	19.00	10.67	22.00	12.50	23.50	30.00
(7)	.07	.055	.055	.05	.05	.058
(8)	2.30	2.58	1.60	1.15	1.85	3.90
(9)	3.05	3.34	2.02	1.58	2.55	4.60
(10)	3.55	4.37	2.50	2.08	3.30	5.40
(11)	360.00	218.00	385.00	385.00	255.00	520.00
(12)	126.00	182.00	140.00	235.00	125.00	240.00

All bids held under advisement.

SAN FRANCISCO — CAST IRON MAINS — (CITY)

SAN FRANCISCO.—Lowrie Paving Co., 1540 16th St., San Francisco, at $41,687.80 submitted low bid to the Public Utilities Commission, City Hall for laying 6- and 8-in. cast iron mains in the area from Ocean Ave. to Alemany Blvd., and from Junipero Serra Blvd. to Lee Ave., under Spec. W. D. 50.

The work involves:

The work involves:

(1) 37,160 l.f. excavation and backfill for 6-in and 8-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 580 c.y. additional excavation and backfill;
(3) 1500 sq. ft. additional pavement removal and replacement;
(4) installing of pipe:
  (a) 30,070 l.f. 6-in. bell and spigot cast iron pipe;
  (b) 7,090 l.f. 8-in. do;
(5) 17,700 pounds installing of fittings, gate valves, etc.;
(6) 4,820 l.f. making joints, bell and spigot;
(7) 58,000 sq. ft. repavement;
(8) connections, work to be done by the S. F. Water Department.

Total bids follow:

(A) Lowrie Paving Co., $41,687.80.
(B) Pacific Pavements Co., $43,086.50.
(C) E. J. Treacy, $48,395.20.
(D) Fay Improvement Co., $56,148.19.
(E) M. J. Lynch, $58,746.60.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .30	$ .44	$ .57	$ .68	$ .35
(2)	.60	1.50	1.50	1.75	2.00
(3)	.30	.325	.30	.35	.40
(4a)	.08	.10	.10	.133	.38
(4b)	.08	.11	.10	.1465	.40
(5)	.01	.015	.01	.018	.04
(6)	.60	.41	.55	.54	.50
(7)	.30	.225	.225	.26	.85
(8)	6300.00	6300.00	6300.00	6300.00	6300.00

Bids held under advisement.

BIDS OPENED

FRESNO COUNTY, Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $57,634.40 submitted low bid to the State Highway Commission, Sacramento, for 1 mile in length to be graded and paved with asphalt concrete in Fresno County, between Selma and Fowler Switch Canal. Involving:

(1) Clearing and grubbing right-of-way;
(2) 12,500 cu. yds. rdwy. excav., unclass.;
(3) 9300 cu. yds. imported borrow;
(4) 700 cu. yds. structure excavation
(5) 41,000 sta. yds. overhaul;
(6) 5000 sq. yds. subgrade for pavement;
(7) 4700 tons asphalt concrete;
(8) 7500 sq. yds. asph. paint binder;
(9) 175 cu. yds. Class A. Portland cement concrete (structures);
(10) 575 cu. yds. remove and dispose of concrete in existing pavement and structures;
(11) 20 cu. yds. concrete removed from existing bridge;
(12) 21,200 lbs. bar reinforcing steel (structures);
(13) 0.25 mile new property fence;
(14) 1.05 miles existing property fence to be moved and reset;
(15) 6 each timber culvert markers;
(16) 3 each spillway assemblies;
(17) 2 each concrete joints;
(18) 228 tons fuel oil;
(19) 8 each gates;
(20) 1150 M. gals water;
(21) 20,100 sq. yds. mixing fuel oil and earth material;
(22) 1225 tons crushed gravel or stone borders;
(23) 550 cu. yds. salvaged oil treated earth shoulders;
(24) 128 lin. ft. solid timber guard rail (structures);
(25) 82 lin. ft. concrete pipe, clean and relay;
(26) 32 lin. ft. 24-in. extra strength reinforced concrete pipe;
(27) 34 lin. ft. 8-in. C.M.P.;
(28) 142 lin. ft. 18-in CMP;
(29) 32 li ft. 36-in. C.M.P. close riveted and soldered;
(30) 55 stations finishing roadway;
(31) 12 each monuments, complete in place.

Total bids follow:

(A) Union Paving Co., San Francisco, $57,634.40.
(B) Valley Paving & Constr. Co., Fresno, $58,164.61.

	(A)	(B)
(1)	$2000.00	$700.00
(2)	.30	.40
(3)	.40	.50
(4)	1.00	.90
(5)	.03	.02
(6)	.11	.70
(7)	5.00	5.58
(8)	.01	.014
(9)	25.00	30.00
(10)	2.50	2.50
(11)	6.50	5.25
(12)	.10	.06
(13)	800.00	375.00
(14)	350.00	190.00
(15)	4.00	2.50
(16)	13.00	19.00
(17)	20.00	19.00
(18)	10.50	11.00
(19)	16.00	19.00
(20)	.01	1.25
(21)	.18	.027
(22)	4.10	3.75
(23)	.30	.38
(24)	1.50	1.37
(25)	.80	2.50
(26)	3.00	5.00
(27)	1.20	1.25
(28)	2.00	2.00
(29)	7.50	6.80
(30)	9.50	8.75
(31)	2.75	3.10

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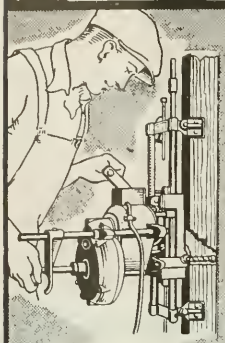
WAPPAT Electric TOOLS



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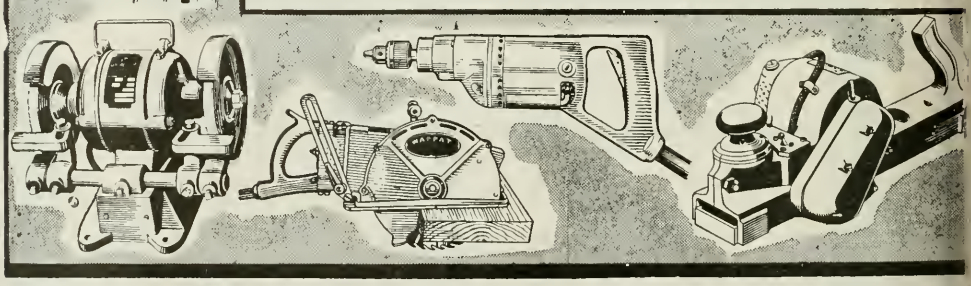

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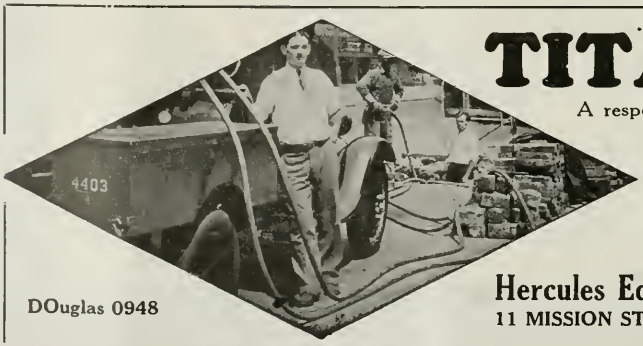

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S. F. Central Bid Depository to Open November 3; NRA Approval Received

Plans for opening a central bid depository in San Francisco to be used jointly by all crafts operating under construction industry code was announced Friday at the weekly meeting of the Construction Divisions Conference. November 3 is set as the opening date.

The depository will be located in quarters on the ground floor of the Sharon Building at 55 New Montgomery Street. Harold Bertram, member of the bid depository committee for the conference, reported to the meeting that the central depository would be ready to function probably by November 1, but that the formal opening would be delayed until Saturday. At that time a general invitation will be extended to the industry to visit the rooms and learn from representatives of their own code authorities how the depository will function.

Approval of the plan has been received from the NRA, according to Munson Deuprey, deputy in the Francisco compliance office.

The central depository will be self-sustaining, it being proposed to finance it in part from rental of display space to supply houses and material dealers and to collect a small fee from agencies using the facilities. The services rendered will be clerical work connected with registration of jobs, and checking of bidding data.

A specially-designed counter is being built for the depository, providing separate receptacles for the bids of each code agency represented. The keys to the bid container for each group will be in the hands of the code authority for that group. The attendants at the depository will not have access to the bids and will be responsible only for assisting the bidder to deposit hid bid in the compartment assigned to his craft. Opening of the bids and recording of the figures can be done only by the code authority.

The central bid depository is an outgrowth of a committee report to the Construction Divisions Conference made several weeks ago, in which it was recommended as a necessary feature of code administration. At that time it was pointed out that operation of individual depositories by various crafts under different rules and at widely separated locations led to confusion and also involved duplication of facilities that would make the system too expensive to be practical. Since that time the National Recovery Administration has ruled that bid depositories must be separated from existing trade associations which further complicates the situation for some branches of the industry. No announcement has been made of the list of crafts which will utilize the central depository immediately, but it is expected that a majority of all now functioning under construction codes will accept the plan.

ALL BUILDERS MUST PAY NRA CODE LEVIES

Exemption Denied Owner-Contractor From Assessment on Dwelling

Anyone assuming to perform the functions of a general contractor thereby becomes amenable to the code of fair competition for general contractors and is liable for the prescribed registration fee to the code authority of that division according to an NRA ruling denying a protest by a California owner against such an assessment on his house.

"Under the functional definition of the General Contractors Code," Assistant NRA Deputy Administrator Arthur G. Stanford stated, in replying to the protest, "you become a general contractor when you perform operations under the definition of their code and as such you are bound by the provisions of the code which specify that the general contractors code authority may assess a general contractor 1-10th of 1 per cent of the aggregate value of the work."

MATERIAL PRICES NOW 3½% ABOVE AVERAGE OF 1933

Wide Variation Among Groups In Ratio of Return to 1929 Level

Building material prices in September were on the average 3.5 per cent higher than in September, 1933, and since their low point in February, 1933, have gained 22.6 percent, the U. S. Bureau of Labor Statistics reports. There is a wide variation in the increases made in different items that comprise the group from which the price index is calculated. Lumber, paint and plumbing and heating items are 10 percent or more below the prices of 1929, while brick and tile, cement and structural steel are less than 10 percent below the 1929 level.

The bureau index for September was at 85.6 on a 1926 base of 100, comparing with 95.1 in July, 1929; 69.8 in February, 1933; and 82.7 in September, 1933. During the month increases were recorded in thirteen items comprising the index, decreases in seven and no change in 66.

Following is a tabulation showing the change in average price level for various groups of materials from July, 1929, to September, 1934:

	Index Sept., 1934	July 1933	% D'cse
Building Mtls.	85.6	95.1	10.0
Brick and tile	91.3	92.9	1.7
Cement	93.9	94.6	0.7
Lumber	82.3	93.3	11.8
Paint & paint Mtls.	79.5	94.5	15.9
P'lb'g & Heating	71.6	93.6	23.5
Structural steel	92.0	99.6	7.6
Other bldg. mtls.	89.8	97.4	7.8

ATTORNEY RULES ON JOINT BID LEGALITY

It is not necessary for two licensed contractors submitting a joint bid to obtain a combination license in order to comply with the State Contractors License Act, according to an opinion given by Attorney-General U. S. Webb to Orman Lutz, district supervisor for the license bureau.

Amendment of the license act by the 1933 legislature did not change a previous ruling on this question, the attorney-general stated.

$2,000,000 FOR 12 FEDERAL AID JOBS ALLOTTED

Highway Commission Plans Early Letting of Emergency Projects

Funds for twelve highway projects involving $2,012,000, or about one-fourth of the state's appropriation from the 1934-35 emergency federal aid allotment, have been allocated by the California State Highway Commission to date, according to a report to Governor Merriam

Five of the projects are on the Federal Aid highway system outside municipalities and five are within municipalities. Two are on secondary or feeder roads, not on the Federal Aid system.

Bids have been received on three of the contracts and awards are expected shortly. Two others are advertised for opening October 31 and November 1.

Contracts on which bids are to be advertised shortly are: Grading and paving Moss avenue, Webster to Santa Clara and Harrison in Oakland, Alameda county; Grading and paving 1.2 miles in Daly City, Colma, on Mission street, San Mateo County; Grading and paving south approach to Sacramento River bridge at Redding, Shasta county; Grading and paving 1.4 miles of I street in Colton, San Bernardino county; Grading and surfacing 2.7 miles of Skyline boulevard to Half Moon Bay in San Mateo county; Grading and paving 5.2 miles of Manchester Avenue, Buena Park to Anaheim, Orange county.

Cement Production In State Valued At $10,331,395

Valuation of mineral production in California during 1933, as revealed in a recent bulletin of the statistical section, State Division of Mines, compiled under the direction of Walter W. Bradley, state mineralogist, shows increases in cement and magnesite and decreases in a number of other structural materials, and a general increase in individual industrial materials with the exception of mineral water.

Of the structural materials cement increased from 5,657,549 bbls., worth $7,967,107 to 7,284,031 bbls. worth $10,331,38; magnesite also showed an increased value. Decreases were registered by brick and hollow-building tile from a total valve of $1,605,086 to $1,520,-481; miscellaneous stone, including macadam, crushed rock, ballast, rubble, rip-rap, sand and gravel, from a value of $7,183,643 to $6,869,081 and granite from $398,676 to $183,706. Marble and sandstone also showed decreased values.

Metropolitan District Awards Contracts On Aqueduct Schedules; Total $14,126,175

Metropolitan Water District Directors at their meeting October 19 voted to award contracts aggregating $14,126,175 to low bidders for constructing 110.62 miles of canal, conduit and siphon for the Colorado aqueduct. Awards were made to low bidders of the sixteen schedules for which figures were received October 11.

Cement, steel and other materials to be purchased by the district and furnished to contractors will mean a further expenditure on this this work of nearly $11,000,000 it is estimated by Chief Engineer F. E. Weymouth.

Seven bidding groups shared in the awards for which 29 concerns had offered bids.

The awards were divided as follows:

Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. and Seabrook, Chas. Harlowe, Jr., and C. M. Elliott, Schedules 1-10-11-13, $3,461,513.

Barrett & Hilp and Macco Corp., Schedules 2-3-7, $2,923,207.

Jahn and Bressi, Schedules 4-5, $1,-420,375.

Clyde W. Wood and M. J. Bevanda, Schedules 6-8, $1,282,600.

Utah Const. Co., Schedule 9, $955,-248.00.

Three Companies, Inc., Schedule 12, $1,313,272.

Thompson-Starrett Co., Inc., Schedules 14-15-16, $2,769,929.

The contracts include 33.65 miles of cut and cover conduit, 62.33 miles of concrete-lined canal and 14.64 miles of siphon. The work is located in San Bernardnno and Riverside counties between a point 6 miles north of Earp, California, and 12 miles east of Indo in the Coachella Valley. The structures will carry the aqueduct from the point of intake on the Colorado river to the east portal of the Coachella tunnels.

Estimated quantities of materials and construction items are:

Excavation, common, 19,946,000 cubic yards.

Excavation, rock, 839,000 cubic yards.

Backfill, 4,332,000 cubic yards.

Concrete, 1,436,000 cubic yards.

Steel reinforcement, 88,400,000 pounds.

The district will take bids Oct. 31 on an additional section of 30.5 miles of conduit and siphon, estimated to involve contracts totaling $15,000,000. Letting of this work will place under construction all of the main line of the 241-mile aqueduct, with the exception of conduit and siphon in the Coachella division.

PLAN BOULDER DAM IRRIGATION STUDY

Allotment of $12,000 to the Bureau of Reclamation, Department of the Interior, for investigation of irrigation possibilities of the Upper States in the Colorado River basin has been announced by Public Works Administrator Harold L. Ickes.

HUMBOLDT RIVER DAM ADVERTISED BY GOVERNMENT

Reclamation Bureau To Open Bids Nov. 12 on Lovelock, Nevada, Project

Bids will be opened November 12 by the Bureau of Reclamation at Lovelock, Nevada, on a contract for construction of the Rye Patch Dam near Lovelock. The dam is part of the Humboldt River project and will impound waters of the river for irrigation in the Lovelock Valley.

A $1,600,000 loan for construction of the dam and purchase of water rights has been made by the Public Works Administration.

Among the principal items of work and estimated quantities involved are 354,200 cubic yards unclassified open cut excavation, 215,-000 cubic yards earth fill in embankment, 3,000 cubic yards tunnel excavation, 10,000 cubic yards back fill, 25,000 cubic yards rock fill on the downstream slope of the embankment, 4,000 cubic yards gravel blankets on embankment, 8,000 cu. yds. dumped rip-rap on upstream slope of the embankment, 2,000 cu. yds. screened gravel under the floor of the spillway gate structure, 1,-200 cubic yards concrete in the tunnel and gate chamber, 5,040 cubic yards concrete in other parts of the dam, and placing 700,000 pounds of reinforcement bars, drilling 2,500 feet of grout holes, constructing 2,-225 feet of pipe drains, driving 500,-000 pounds of steel sheet-piling, furnishing and installing 162,000 lbs. of steel ttunnel liner plates, installing 347,000 pounds of gates and other metal wor kand installing 500 ft. of electrical metal conduit.

L. G. Foster is engineer for the Reclamation Service in Lovelock.

BUREAU AWARDS TEHAMA CONTRACT

Frank C. Cuffe of San Rafael, at $69,680 yesterday was awarded a contract for grading about five miles of the Deer Creek Meadows National Forest Highway in Tehama county by the U. S. Bureau of Public Roads.

$3,250,000 IN HOUSING DRIVE REPAIR PLEDGES

Exchange to Start Demonstration House Remodeling by Wednesday

In a period of but ten days the San Francisco Better Housing Program last week had completed nearly half its task of obtaining $7,000,000 in pledges for the improvement of home and income and other properties. Latest available figures showed a total of $454,378 in pledges obtained Friday, bringing the grand total to date to $3,259,448.

Pledges obtained by the residential division Friday totaled $150,605, by the Income Property division $286,223, and by the industrial division, $17,550.

The average amount of each pledge is approximately $1150, according to campaign officials.

The program will enter the home stretch of the campaign today with the acceptance of plans and specifications by the San Francisco Builders Exchange to remodel the old dwelling in the Civic Center as an actual and spectacular demonstration of what the Better Housing Program can actually do.

The modernization work on this old house is scheduled to begin as quickly as the necessary permits can be cleared through the City and the material delivered to the site.

Contractor Ed Nielson, who has the work in charge, figures that this will not be later than Wednesday. Once the first nail has been driven, the modernization work will be carried through by deliberate stages so that all San Francisco may be able to see just how effectively, economically and completely the job is being done.

Coincident with the starting of work on the old house, the Campaign itself is scheduled to go forward at an accelerated pace. There divisions, residential, income and industrial, have spent the last several weeks in training a field force of scores of workers through actual schoolroom instruction and through contacts with the property owners.

According to the latest available figures, the Campaign had produced not only an amount in excess of three and one quarter million dollars in improvement pledges, but had created 8,092 jobs of work. By "jobs of work" is meant construction, painting, plumbing or other contracts or agreements, calling for the employment of one or more men for each job. Thus the way has been laid for the utilization of a great many more men than the actual number of jobs themselves.

The campaign executives wish to impress, however, that these jobs will not be made possible in the number given, nor will the hoped-for volume in new employment develop unless the pledges are actually fulfilled.

Of these jobs of work, 1863, or 22.4 per cent of the total, will employ painters only. The others are as follows: Carpentry, 775 or 9.8 per cent; concrete, 287 or 3.5 per cent; electrical, 418 or 5.1 per cent; flooring, 382 or 4.7 per cent; heating, 276 or 3.4 per cent; landscaping, 90 or 1.1 per cent; masonry, 118 or 1.45 per cent; painting, 1,863 or 22.4 per cent; papering, 800 or 9.8 per cent; plumbing, 590 or 7.2 per cent; roofing, 364 or 9.6 per cent; tiling, 6 or .08 per cent; sheet metal, 54 or .64 per cent; new construction, 201 or 2.45 per cent; alterations, 521 or 6.21 per cent; additions, 171 or 2.1 per cent; miscellaneous, 818 or 10.15 per cent; plastering, 358 or 4.3 per cent.

TIFFANY LOW ON ARIZONA HIGHWAY

PHOENIX, Arizona, Oct. 25.—Low bid was submitted to the U. S. Bureau of Public Roads here today by Tiffany Construction Company, 535 North 7th St. San Jose, at $76,892 on a contract for grading and placing subgrade reinforcement on Section B of Route 3, the Flagstaff-Clints Well National Forest Highway, in Coconino County. Second and third low bids, respectively, were submitted by Hodgman and McVicar, Pasadena, at $83,985, and H. J. Hagen, Globe, Ariz., at $84,255. The engineer's estimate for the work was $83,316.

ASK BIDS ON $250,000 DIESEL POWER PLANT

Proposals have been asked by the government for construction of a Diesel-powered electrical generator plant, to cost approximately $250,000, for the San Carlos project, located at Coolidge, Arizona. November 1 has been set as the date for opening bids.

The plant, which will have a capacity of 2500 horsepower, will be used as a stand-by in connection with the electrical system of the project.

The Diesel engine portion of the plant will comprise two or three units. Ordinary Diesel fuel oil will be used. Provisions will be made, however, to change to the use of natural gas if that fuel is available later on.

The stand-by plant will generate 60 cycle electricity at 2300 volts. This will be transformed by adjacent substations to 12,000 volts for the low voltage system and to 69,000 volts to affect an interconnection with the high voltage transmission line from Coolidge Dam.

FAILURES OF BUILDERS AT RECORD LOW

Defaults Among Contractors Drop to Lowest Volume, Dun Reports

The end of the current year will see an all-time low record for failures among builders set, figures compiled in a recent survey of the industry by Dun & Bradstreet, Inc., would indicate. A report on the survey states:

"While there were more builders declared bankrupt in 1929 than in any year in the past decade, when the number reached a peak at 555, it was not until 1932 that involved liabilities reached an all-time high at $42,079,919 for the 497 defaulting firms. By the end of 1932, however, all the weaker financial units in the industry apparently had been eliminated, as in 1933 the number of failures dropped abruptly to 259, which was a decline of 67.9 per cent from the previous years total, while the involved liabilities were cut to 116,464,857, representing a decrease of 61.8 per cent.

"This downward trend in both the number of failures and the defaulted indebtedness has been extended thus far in the current year, as for the first eight months the former totalled only 159, and the latter $7,553,443, indicating that a new all-time low will be established for 1934."

The complete insolvency record of builders since 1927, including January to August, 1934, as compiled by Dun & Bradstreet, shows:

Failures Among Builders

Year	Number	Liabilities
1927	353	$21,712,457
1928	489	27,891,511
1929	555	27,031,089
1930	417	20,263,506
1931	344	22,995,950
1932	497	42,079,919
1933	259	16,464,857
1934*	159	7,553,443

* January to August, inclusive.

CONFERENCE BACKS VETERANS BONDS

The San Francisco Construction Divisions Conference endorsed the $30,000,000 bond issue for veterans home loans and member associations will work in behalf of the measure. William E. Hague, secretary of the Central California Chapter, A.G.C., reported to the conference at their meeting Friday that the bond issue would release funds for home building to thousands of veterans whose applications have been received and approved.

The bond proposal will appear as Proposition No. 1 on the state ballot November 6.

FHA Advises Sub-Contractors to Cooperate In Soliciting Home Modernization Contracts

A general contractor who is qualified to give an accurate estimate and prepared to deliver a thorough-going modernization job complete in all its details to a property owner has a distinct advantage over the independent carpenter, mason or plumber in landing his contract, states a recent bulletin of the Federal Housing Administration. The bulletin continues:

"In consequence these independents, together with the painting, electrical, sheet metal and other contractors in cities where the Better Housing movement is now beginning to operate at high speed are cooperative banding together with each other and forming general contracting companies on a partnership basis. Early reports indicate that this united action is producing gratifying results.

"There are a number of indisputable arguments in favor of the one flat, all-inclusive estimate on the cost and the subsequent delivery in "capsule form" of a first class job of a renovation, as against separate negotiations of contractors who are familiar only with the business of the trades they represent.

"Members of these cooperatives continue to function as leaders in the trades with which they are directly connected. They make their inspection of the properties to be repaired and improved then prepare their bids. Instead of submitting these estimates to the property owners, however, they turn them in to the agent of the cooperatives. If the modernization job calls for the employment of painter, heater and plumber, carpenter, mason, electrician, roofer, sheet metal worker and plasterer all submit their bids to the cooperatives. When the contract is obtained and the work completed they collect their share of the total.

"The property owner likewise shares in the advantages offered by such a set-up. He knows precisely what the full job is going to cost him at the outset and deals with one instead of a group of contractors. Masons, carpenters, plumbers, etc., being members of the organization know just when the job will be ready for their workmen and lost time is avoided. Nor does the individual lose time in attending to the financial aspects of the matter, since this can be handled by the secretary of the cooperative. This saving in time and effort should be reflected in the total estimate submitted to the property owner.

"The outstanding benefit to be found in such an arrangement, however, is that it simplifies and puts on a practical basis the solicitation of new business for the building trades.

"Property owners are busy men and many of them at this particular time have their own business worries. Field workers of the Federal Housing Administration and local modernization committees report that one of the most difficult parts of their task is to get owners to make a thorough inspection of their dwellings or business places for possible needed repairs.

"If such properties are urgently in need of modernization; if such improvements would require the attention of plumber, carpenter, painter, sheet metal man, etc., separate calls by business getters in the employ of these various contractors might, by taxing the owner's patience, ruin the chances of getting any contract whatever.

"The general contractor or agent for a building trades cooperative may have only a superficial knowledge of the plumbing or carpentering trades but he can make a preliminary inventory of the building's needs then arrange for his specialists in these lines to call together at a later time.

"There are other sound reasons why these inter-trade associations and partnership should be given local housing campaign support. They can work to better effect through such cooperatives and every business man must by this time realize that the problem of obsolete and uneconomic buildings must be solved before a community can be rated financially solid.

"Another movement with which building trades contractors might profitably identify themselves is the community statistical survey plan which had its inception in the Seattle district. In this work a group of skilled workers make a thorough inspection of each section allotted to them by the local modernization campaign committee and then report the needs of each dwelling or business property visited. A tie-in with this survey plan should afford building contractors the best opportunity for locating fertile fields or localities in which their agents can work to effect.

"Above all else the local contractor should keep in constant touch and work hand-in-hand with the local campaign committee. Most of them carry all the latest bulletins issued by the Federal Housing Administration and serve as a sort of clearing house for community modernization ideas. Many of them are arranging for early exhibition of the film of "Sound Recording Machines for Contractors," and all carry graphically illustrated literature setting forth what can be done along the lines of remaking old and shabby properties into modern structures of utility and beauty.

"Before any contractor takes the field in the hunt for new business he should thoroughly inform himself of the provisions of the easily understood National Housing Act and thoroughly digest the simple rules and regulations as laid down by the Federal Housing Administration. He should be prepared to answer any question the property owner may ask regarding procedure required in the application for a loan under the modernization credit plan. He needs vitally to know the rules governing the eligibility of equipment it is proposed to install. He should explain at the outset that the government itself makes no loans. That such loans are made by local financing agencies and that they may run for from one to three years at interest rates four to five per cent lower than the best previously obtainable under the installment paying plan. He should explain that no co-signers are required on the notes given and that there are no legal, recording or other fees in the servicing charges.

"If the construction groups will push modernization aggressively, now that thousands of banks are lending their full cooperation, many thousands of property owners can indubitably be brought into line without difficulty. Loans today, less than eight weeks after the launching of the Better Housing campaign are being made at the rate of more than a million dollars a day and the "cash from savings" being spent in this same cause is perhaps double that amount. This means that more than one billion dollars of new cash business will be offered the building trades within the next twelve months. What this signifies to the long stagnant durable goods trade can well be imagined."

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STATE HIGHWAY AWARDS

Following are principal State Highway construction contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idaho in the four week period ending October 18:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
California Highway Commission	0.6 Mile Grading and Paving, Los Angeles County	Los Angeles Paving Co., Los Angeles	$ 77,240.00	October 2
California Highway Commission	6.6 Miles Grading and Oil Treating, Los Angeles and San Bernardino Counties	George Herz and Co., San Bernardino	$ 24,779.00	October 2
Oregon Highway Commission	3.6 Miles Surfacing, Clackamas County	Itschner and Rigdon, Barlow	$ 14,755.00	October 1
Oregon Highway Commission	Crossing Substructure, Clackamas County	Shattuck and Neland, Portland	$ 7,610.00	October 1
Oregon Highway Commission	11.28 Miles Regrading and Surfacing, Clatsop County	Saxton & Looney, Corvallis	$ 63,285.00	October 1
Oregon Highway Commission	2.53 Miles Grading, Clatsop Co.	Fred H. Slate, Multnomah	$ 94,181.00	October 1
Oregon Highway Commission	17 28 Miles Surfacing and Stockpiling, Grant County	Wren and Greenough, Portland	$ 97,790.00	October 1
Oregon Highway Commission	2.84 Miles Grading, Klamath Co.	Dunn and Baker, Klamath Falls	$123,709.00	October 1
Oregon Highway Commission	1.34 Miles Grading and Surfacing, Lane County	Earl L. McNutt, Eugene	$ 12,110.00	October 1
Oregon Highway Commission	Bridge Widening, Linn County	Mountain States Const. Co., Eugene	$ 8,116.00	October 1
Oregon Highway Commission	3.3 Miles Paving, Multnomah County	Jacobsen - Jensen Co., Portland	$145,725.00	October 1
Idaho Highway Commission	3.538 Miles Grading, Etc., Lewis County	F. H. deAtley & Co., Lewiston	$ 27,537.20	October 4
Utah Highway Commission	2.43 Mi. Gravel Surfacing, Uintah County	L. A. Young, Richfield	$ 11,092.50	October 4
Utah Highway Commission	0.471 Mi. Conc. Paving, Cache County	Olof Nelson, Logan	$ 18,193.80	October 4
California Highway Commission	0.3 Mile Slide Removal, Marin County	Union Paving Co., San Francisco	$ 29,750.00	October 6
California Highway Commission	0.6 Mile Surfacing, Placer Co.	T. M. Morgan Paving Co., Loomis	$ 7,315.00	October 6
Arizona Highway Commission	4 Miles Grading and Draining, Gila County	Geo. W. Orr, El Paso, Texas	$316,938.38	October 8
Arizona Highway Commission	6.5 Miles Base Course, Seal Coat Etc., Navajo County	R. C. Tanner and W. E. Hall, Phoenix	$ 35,816.38	October 8
Arizona Highway Commission	Street Improvement, Chandler	Clinton Campbell, Phoenix	$ 6,480.70	October 9
Arizona Highway Commission	13.7 Miles Base Course and Oil Processing, Apache County	Arizona Sand & Rock Co., Phoenix	$ 83,721.29	October 9
Arizona Highway Commission	6.2 Miles Base Course and Oil Processing, Mohave County	N. G. Hill & Co. Phoenix	$ 39,276.98	October 9
Nevada Highway Commission	19.78 Miles Surfacing, Clark and Lincoln Counties	J. C. Compton, McMinnville, Oregon	$ 81,338.62	October 10
Nevada Highway Commission	2.71 Miles Highway Construction, Clark County	Union Paving Co., San Francisco	$ 45,412.12	October 10
Nevada Highway Commission	7.35 Miles Highway Construction, White Pine County	Isbell Const. Co., Carson City	$ 39,893.18	October 10
Oregon Highway Commission	3.82 Miles Grading, Tillamook County	Jacobsen - Jensen Co., Portland	$ 94,725.00	October 10
Idaho Highway Commission	5.28 Miles Roadbed, Etc., Oneida County	D. J. Cavanagh, Twin Falls	$ 31,419.00	October 11
Idaho Highway Commission	4.899 Miles Drainage Structures and Surfacing, Bannock Co.	B. D. Palfreyman, Provo, Utah	$ 74,266.50	October 11
Oregon Highway Commission	1.28 Miles Grading, Baker Co.	J. A. Terteling & Sons Boise, Idaho	$ 46,473.00	October 13
Oregon Highway Commission	1.42 Miles Grading and Paving, Multnomah County	Parker Schram Company, Portland	$ 49,897.00	October 13
Oregon Highway Commission	0.71 Mile Grading, Linn County	G. I. Stebbins Const. Co., Klamath Falls	$ 44,445.00	October 13
Oregon Highway Commission	14 Miles Surfacing, Wheeler Co.	Joslin and McAllister, Spokane	$ 19,620.00	October 13
Oregon Highway Commission	Bridge, Baker County	J. A. Terteling & Sons Boise, Idaho	$ 13,264.00	October 13
Oregon Highway Commission	Bridge, Multnomah County	C. J. Montag, Portland	$ 26,932.00	October 13
Utah Highway Commission	3 319 Miles Paving, Davis Co.	Ryberg Brothers, Salt Lake City	$110,650.60	October 15
Washington Highway Comm.	3.9 Miles Clearing, Grading and Surfacing, Lewis County	Lidral Const. Co., Seattle	$ 27,272.00	October 16
Oregon Highway Commission	3.43 Miles Grading, Harney Co.	Morrison-Knudsen Co. Boise, Idaho	$147,100.00	October 19
California Highway Commission	Escondido Creek Bridge Approaches, San Diego County	Sharp & Fellows Contracting Co., L. A.	$ 42,807.00	October 22
Utah Highway Commission	2.731 Miles Resurfacing, Weber County	Wheelwright Const. Co., Ogden	$ 78,482.50	October 23

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CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending October 18:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Standard Oil Co., San Francisco	Five Steel Storage Tanks, Rio Bravo	Western Pipe & Steel Corp., San Francisco	$	September 29
Standard Oil Co., San Francisco	Grading and Conc. Foundations for Storage Tanks, Rio Bravo	Owl Truck & Materials Co., Compton	$	September 29
Standard Oil Co., San Francisco	Six Steel Storage Tanks, Estero Bay	Consolidated Steel Cp., Los Angeles	$	September 29
Standard Oil Co., San Francisco	Grading and Conc. Foundations for Storage Tanks, Estero Bay	Lang Transportation Corp., Los Angeles	$	September 29
Phoenix, Arizona, City Council	Water System Extensions	O. F. Fisher, Phoenix	$ 99,206.97	October 1
Los Angeles County Board of Supervisors	Timber Facing on San Gabriel Dam No. 2	Case Const. Co., Alhambra	$169,627.50	October 3
Standard Oil Co. of California	Solvent Plant, Richmond	Flour Corp., Ltd., Los Angeles	$300,000.00	October 4
Standard Oil Co. of California	Wharf Repairs, Richmond	Healy - Tibbitts Const. Co., San Francisco	$ 30,000.00	October 4
Chung Mei Home, Berkeley	Chinese Orphanage, El Cerrito	Ira W. Coburn, S. F.	$ 67,388.50	October 8
Trinity County Board of Supervisors	Courthouse Bldg., Weaverville	J. C. Meyers, Stockton	$ 34,308.00	October 9
Stanislaus County Board of Supervisors	Two Concrete Bridges	Nelson & Wallace, Escalon	$ 5,142.00	October 9
Richvale Irrigation District	Conc. Siphon, Cherokee Channel	Carl R. Fiedler, Sacramento	$ 4,490.00	October 9
Public Utilities Commission, San Francisco	Levee Construction, San Francisco Airport	Piombo Brothers, San Francisco	$ 78,280.00	October 11
Santa Clara County Board of Supervisors	Street Improvement	A. J. Raisch Paving Co., San Jose	$ 6,480.00	October 15
Phoenix, Arizona, City Council	Sewer System	Phoenix-Tempe Stone Co., Phoenix	$266,511.89	October 15
Seattle, Washington Board of Public Works	Diablo Powerhouse	Rumsey & Co., Seattle	$339,010.00	October 17
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 1	Hanrahan Co., Youdall Const. Co., et al San Francisco	$1,036,774.00	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 2	Barrett & Hilp, S. F., & Macco Const. Cpn. Clearwater	$1,094,991.91	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 3	Barrett and Hilp and Macco Const. Corp.	$974,754.49	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 4	Jahn & Bressi Const. Co., Los Angeles	$704,318.00	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 5	Jahn & Bressi Const. Co., Los Angeles	$715,057.00	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 6	C. W. Wood and M. J. Bevanda, Stockton	$400,884.00	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 7	Barrett and Hilp and Macco Const. Corp.	$853,460.70	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 8	C. W. Wood and M. J. Bevanda, Stockton	$881,716.50	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 9	Utah Const. Co., San Francisco	$955,248.50	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched No. 10	Hanrahan Co., Youdall Const. Co., et al	$819,504.75	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 11	Hanrahan Co., Youdall Const. Co., et al	$973,227.00	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 12	Three Cos., Inc., Denver	$1,313,272.30	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 13	Hanrahan Co., Youdall Const. Co., et al	$632,037.25	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 14	Thompson - Starrett Co., Inc., N. Y. City	$926,961.10	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 15	Thompson - Starrett Co., Inc., N. Y. City	$1,028,046.75	October 19
Metropolitan Water Dist., Los Angeles	Colorado River Aqueduct, Sched. No. 16	Thompson - Starrett Co., Inc., N. Y. City	$814,921.20	October 19
San Anselmo City Council	Paving, Etc.	E. A. Forde, San Anselmo	$ 6,040.00	October 20
Ventura County Board of Supervisors	Surfacing	Southwest Paving Co., Los Angeles	$ 7,500.00	October 20
Berkeley City Council	Shattuck Ave. Improvement	W. H. Larson, Berkeley	$ 4,095.00	October 23
San Francisco Public Utilities Commission	University Mound Reservoir Excavation and Embankment	Granfield, Farrar and Carlin, S. F.	$ 97,025.00	October 23
San Francisco Public Utilities Commission	Cast Iron Mains (Spec. W. D. 50)	Lowrie Paving Co. San Francisco	$ 41,687.80	October 23
San Francisco Public Utilities Commission	Cast Iron Mains (Spec. W. D. 51)	Pacific Pavements Co. Ltd., San Francisco	$ 37,688.50	October 23
Phoenix, Arizona, City Council	Sanitary Sewers	Drainage Const. Co., Lynwood, Calif.	$352,149.85	October 23

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
526	Mensfelder	Owner	2200
528	Galu	Owner	1000
529	Chin	Owner	3500
530	Wagreich	Owner	1000
531	Urmy	Callaghan	1500
532	Willman	Petersen	1178
533	Southern Pacific	Owner	1000
534	Standard	Owner	4000
535	Cicerone	Lindsay	3000
536	Hallgren	Owner	4000
537	Feusier	Vannucci	1500
538	Tilden	Owner	30000

DWELLING
(526) W ELLSWORTH 125 S Pompkins St. One-story and basement frame dwelling.
Owner—Marie Mensfelder, 171 Page St., San Francisco.
Architect—Not Given.

ADDITION
(527) S FRANCISCO 152 W Powell. Two-story addition to Class B industrial building.
Owner—Bauer-Schweitzer Hop & Malt Co., 660 Sacramento St., San Francisco.
Engineer — Warren E. Murphy, 908 Hayes St., San Francisco.
Contractor—Not Let Yet. $8350

ALTERATIONSt
(528) NO. 2995 HARRISON STREET. Alter dwelling.
Owner—P. Galu, 3060 26th St., San Francisco.
Architect—Not Given. $1000

ALTERAIONS
(529) NO. 867 WASHINGTON ST. Alter apartments and store.
Owner—Chin Bing Foo, 5432 Geary St., San Francisco.
Architect—Not Given. $3500

ALTERATIONS
(530) NO. 1159 HARVARD STREET. Alter office and storage building.
Owner—Henry Wagreich, % 225 Cervantes Blvd., San Francisco.
Engineer—A. C. Girenvank. $1000

ALTERATIONS
(531) NO. 1011 CHURCH ST. Alter dwelling.
Owner—Mr. and Mrs. W. Urmy, 1011 Church St., San Francisco.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $1500

MARQUEE
(532) NO. 301 THE EMBARCADERO Marquee.
Owner—Wellman Peck Co., Prem.
Architects & Engineers—J. E. Krafft & Sons, Phelan Bldg., S. F.
Contractor—Einar C. Petersen, 1290 Hayes St., San Francisco. $1178

ALTERATIONS
(533) REAR OF 65 MARKET ST Alter stores and offices.
Owner—Southern Pacific Co., 65 Market St., San Francisco.
Architect—J. H. Christie, 65 Market St., San Francisco. $1000

STATION
(534) NO. 570 BAYSHORE BLVD. One-story steel-stucco finish service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner. $4000

DWELLING
(535) E MISSOURI ST. 125 N 18th One-story and basement frame dwelling.
Owner—Adolph and Edward Cicerone 1419 18th St., San Francisco.
Architect—Not Given.
Contractor—C. T. Lindsay, 4363 26th Ave., San Francisco. $3000

DWELLING
(536) NE TWENTY-FIRST AVE. & Judah St. One-story and basement frame dwelling.
Owner—August Hallgren, 1594 29th Ave., San Francisco.
Architect—Daniel E. Jackle, 714 Call Bldg., San Francisco. $4000

GARAGE
(537) E LEAVENWORTH ST. 137 S Green St. One-story Class C garage.
Architect—Not Given.
Owner—C. L. Feusier, 1067 Green St., San Francisco.
Contractor—Vannucci Bros., 1875 San Bruno Ave., S. F. $1500

STORAGE BLDG.
(538) S BRYANT ST. 180 E Fifth St. One-story Class C storage building.
Owner—Charles L. Tilden, California and Front Sts., S. F.
Architect—Harold E. Ferree, 435 Valle Vista Ave., Oakland. $30,000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
415	Howard	Johnson	2500
416	Whittall	Owner	2000
417	Lotz	Lotz	7000
418	Cruzon	DeVelbiss	1000
419	City of Oakland	Owner	1200
420	Villata	Cisero	5000
421	Boy Scouts	Petersen	1000
422	Jewett	McWethey	2000
423	Simon	Confer	6000
424	Scammell	Owner	4500
425	Fisher	Owner	5700

REPAIRS
(415) FIRST AND MARKET STS., **OAKLAND.** Repairs and re-roof
Owner—Howard Terminal Co., Prem.
Architect—Not Given.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland. $2500

DWELLING
(416) NO. 3368 ROBINSON DRIVE. **OAKLAND.** One-story five-room dwelling.
Owner — A. C. Whittall, City Hall, Oakland.
Architect—Not Given. $2000

DWELLING
(417) W BYWOOD DRIVE 153 N Wrenn St., **OAKLAND.** Two-story eight-room dwelling.
Owner—Dorothea L. Lotz, 1831 Delaware St., Berkeley.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor—Cyril C. Lotz, 1055 Solano Ave., Albany. $7000

REPAIRS
(418) NO. 598 SYCAMORE ST., **OAKLAND.** Fire repairs.
Owner—John Cruzon, Premises.
Architect—Not Given.
Contractor—C. Dudley De Velbiss, 354 Hohart St., Oakland. $1000

ALTERATIONS,
(419) FOURTEENTH AND WASHington Sts., **OAKLAND.** Alterations.
Owner—City of Oakland.
Architect—Not Given. $1200

DWELLING
(420) NO. 568 FIFTY-SIXTH ST., **OAKLAND.** One-story six-room dwelling.
Owner—Irmo Villata, 4308 Market St., San Francisco.
Architect—Not Given.
Contractor—John Cisero, 474 42nd St., Oakland. $5000

ADDITION
(421) MONTERA AVE AND MOUNtain Gate Way, **OAKLAND.** Addition.
Owner—Boy Scouts of America, Prem.
Architect—Guy L. Brown, 601 American Bldg., Oakland.
Contractor — J. B. Petersen & Son, 4021 Agua Vista St., Oakland. $1000

ADDITIONS
(422) NO. 2227 TELEGRAPH AVE., **BERKELEY.** Additions.
Owner — K. M. Jewett, 2013 McGee Ave., Berkeley.
Architect—Not Given.
Contractor — L. R. McWethey, 198 Mountain View Ave. $2000

DWELLING
(423) W LEIMERT BLVD. 100 N Swan Ave., **OAKLAND.** One and one-half-story 6-room dwelling.
Owner—Jos. Simon, 510 Mandana Blvd. Oakland.
Architect—F. W. Confer, 976 Keeler Ave., Berkeley.
Contractor — F. L. R. Confer, 2812 Russell St., Berkeley. $6000

DWELLING
(424) NO. 1701 E-THIRTY-EIGHTH St.,**OAKLAND.** One-story 6-room dwelling.
Owner — J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4500

DWELLING
(425) NO. 1891 TRESTLE GLEN RD. **OAKLAND.** Two-story 7-room dwelling and one-story garage.
Owner—H. P. Fisher, 376 17th Street, Oakland.
Architect—W. E. Schirmer, Bank of America Bldg., Oakland. $5700

BUILDING CONTRACTS

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
55	Roeth	Lindgren	7972

ALTERATIONS
(55) NO. 514 FIFTH ST., Oakland. All work for alterations and additions to warehouse building.
Owner—Roeth & Roeth, Premises.
Architect—Not Given.
Contractor — Lindgren & Swinerton, 1723 Webster St., Oakland.
Filed Oct. 18, '34. Dated ——.
1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7972
Bond, $3986. Surety, New Amsterdam Casualty Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

REPAIR fire damage to dwelling, $800; 278-289 18th Ave.; owner, Mrs. C. Brady, 600 35th Ave.

SIGN, electric, $100; 188 Embarcadero; owner, Johnson & Larson, Premises; contractor, QRS Neon, 690 Potrero Ave.

ALTER garage, $400; 636 4th Avenue; owner, Frank M. Sterling, 636 4th Avenue.

SIGN, electric, $75; 3372 Mission St.; owner, Riviera Cafe, 3372 Mission contractor, QRS Neon, 690 Potrero Avenue.

SIGN, electric, $80; 557 Kearny St.; owner, Wilson's Restaurant, 557 Kearny St.; contractor, Wonderlite Neon, 690 Potrero Ave.

ALTER store, $400; 57 West Portal; owner, Mrs. Dondero, Premises; contractor, Bay City Service Co., 1568 Waller St.

SIGN, electric, $75; 1637 Ocean Ave.; owner, Miss Nelson, Premises; contractor, QRS Neon, 690 Potrero Avenue.

SIGN, electric, $100 1077 Pine Street; owner, The Keg, Premises; contractor, QRS Neon, 690 Potrero Avenue.

STUCCO flats, $100; 1511 Golden Gate Ave.; owner, A. Henkennis, 81 Montell St., Oakland.

SIGN, electric, $100; 1741 O'Farrell St. owner, Tivoli Buffet, Premises; contractor, QRS Neon, 690 Potrero Avenue.

SIGN, electric, $100; 1745 Haight St.; owner, Bert Pickett, Prem.; contractor, QRS Neon, 690 Potrero.

ALTER dwelling, $250; 3246 25th St.; owner, J. S. Fratessa, 1087 Shotwell St.

SIGN, electric, $100; 263 Embarcadero owner, Larry Avila, 262 Embarcadero; contractor, Novelty Electric Co., 66 Washburn St.

ALTER dwelling, $400; 508 Second Ave.; owner, Fred J. Knorre, 508 2nd Ave.; contractor, Standard Concrete Constr. Co., 3025 Geary.

GREASE rack, $174; 4950 Mission St.; owner, S. F. Paton, Prem.; contractor, C. Lindberg, 1 Naylor St.

ALTER flat, $300; 3565 18th St.; owner, W. E. Scott, 1648 Plymouth.

BILLBOARD, $12.50; SW Columbus Ave. and North Point St.; owner, Foster & Klesier Co., 1675 Eddy.

ALTER dwelling, $260; 1362 39th Ave. owner, M. Milenovich, 1362 39th Avenue.

ALTER dwelling, $400; 763-765 Cole St.; owner, S. and J. Cronin, 763 Cole St.; contractor, S. Mazzoncini, 3020 Buchanan St.

ALTER garage, $200; 1200 Monterey Blvd.; owner, Albert Meyer, 1200 Monterey Blvd.

ALTER store, $80; 1251 Market St.; owner, Joseph Stadler, Prem.

SIGN, electric, $150; 4007 24th Street; owner, Tacoma Brewing Co., 1550 Bryant St.; contractor, Golden Gate Neon, 355 8th St.

SIGN, electric, $150; 785 O'Farrell; owner, Meyer's Liquor Co., Prem. contractor, Golden Gate Neon, 355 8th St.

ALTER store, $950; 299 Fremont St.; owner, Fred C. Westphal, 199 Fremont St.

ALTER store and rooming house, $120 319 Kearny St.; owner, New England Mutual Life Insurance Co.; contractor, A. M. Hardy, 731 Clementina St.

FLUES (2) patent, $60; 327 Presidio Ave.; owner, E. C. Petersen, 1290 Hayes St.; contractor, Lowell Davison, 375 Monterey Blvd.

SIGN, electric, $150; 2425 Mission St.; owner, Peter G. Meher, 2525 Mission St.; contractor, Neon Sign Service Co., 1707 Folsom St.

BILLBOARD, $6.25; W Mission 50 S Cotter St.; owner, Foster & Kleiser Co., 1675 Eddy St.

ALTER hotel, $75; 44 5th Street; owner, J. Lewin, 2275 Broadway; contractor, C. Kelsour, 108 Fern.

CHIMNEY (1) patent, $35; 1130 Market St.; owner, Rosenberg, Prem.; contractor, Howe Furnace Co., 2222 Bush St.

ALTER office building, $100; 516 Sutter St.; owner, Physicians Bldg., Prem.; contractor, Industrial Iron Works, 552 Noe St.

BILLBOARD, $12.50; SW Columbus Ave. and North Point St.; owner, Foster & Kleiser Co., 1675 Eddy.

SIGN, electric, $250; 3180 Market St.; owner, Floor Service Co., 3188 Market St.; contractor, Pioneer Electric Co., 2128 Market St.

SIGN, electric, $150; 1316 Castro St.; owner, Tacoma Beer Co., 1316 Castro Street; contractor, Golden Gate Neon, 355 8th St.

ALTER dwelling, $500; 403 11th St.; owner, R. Levin, 444 11th St.; contractor, Pearson & Johnson.

ALTER dwelling, $500; 725 Kirkham St.; owner, Miss Martha M. Giller, 725 Kirkham St.

REPAIR fire damage to dwelling, $700 2402 Steiner St.; owner, Schmiedell Estate, % Contractor; contractor, A. L. Thulin, 63 Brady.

ALTER flats, $150; 3132 Scott St.; owner, A. Faenzi, Prem.; contractor, G. H. Martinelli & Co., 355 15th Ave.

ALTER flats, $304; 1373 Masonic Ave. owner, Mrs. Liwitz, Premises; contractor, Chas. Greenberg, 3118 23rd St

ADD to storage shed, $450; 2201 Jerrold St.; owner, Geo. Windeler Co., Ltd., Premises.

ALTER dwelling, $795; 78 Stanton St.; owner, Mrs. Ella Lyon, Premises; contractor, S. E. Manning, 1182 Market St.

ALTER storage building, $900; SW Cortland and Hilton Sts.; owner, Kelly Box Co., Premises; contractor, G. Ferroni & Sons, 1966 Liberty St.

ALTER dwelling, $40; 42 Ord Street; owner, Larry Hans Larsen, 249 States St.

SIGN, electric, $100; San Jose Ave. and Dolores St.; owner, Rapp's Service Station, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
owner, Mrs. Wise, 927 Scott St.; contractor, Chas. Greenberg, 3118 23rd St.

ALTER store, $250; 204 6th St.; owner, D. Marinos, 204 6th St.

SIGN, electric, $75, 701 Divisadero St.; owner, The Tavern, Premises contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER store, $79; 341 Balboa St.; owner, Christensen Realty Co., Premises; contractor, D. Seghieri, 35 Cook St.

SIGN, electric, $200; 48 Market St.; owner, Paddy Ryan, Premises; contractor, Wonderlite Neon Sign Co.; 170 Otis St.

SIGN, electric, $200; 435-437 Balboa St.; owner, M. Lubarsky, 593 4th Ave.; contractor, Pioneer Elec. Co., 2128 Market St.

SIGN, electric, $75; 1358 Ninth Ave.; owner, Robinson's Market, 1398 9th Ave.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALTER dwelling, $250; 2361 28th Ave., owner, C. M. Hansen, Premises; contractor, Henry Erickson, 972 Chenery St.

ALTER dwelling, $250; 648 Second Ave.; owner, C. Powers, 648 2nd Ave.; owner, M. H. Gnecco & Co., 36 Wood St.

SIGN, electric, $350; 61 West Portal; owner, St. Francis Wood Market, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALAMEDA COUNTY UNDER $1000

ADDITION, $300; 6558 Simson Street, Oakland; owner, R. Partridge, Premises.

ALTERATIONS, $15; 2430 E-22nd St., Oakland; owner, H. Maree, Prem.

ALTERATIONS, $40; 1731 Broadway, Oakland; owner, R. Rabinowitz, 1723 Franklin St.

REPAIRS, $30; 1133 Peralta Street, Oakland; owner, E. Driscoll. Prem.

ALTER garage, $15; 56 Rio Vista Ave., Oakland; owner, J. E. Widner, Premises.

GARAGE, one-story, $110; 6451 Irwin Court, Oakland; owner, Gordon Michie, Palace Hotel, S. F.

GARAGE, one-story tile, $135; 1117 Fleet Road, Oakland; owner, M. Gabbett 1119 Fleet Road.

SHED, one-story, $200; 3831 Hopkins St., Oakland; owner, J. A. Fenton, 3831 Hopkins St.

GARAGE, one-story, $75; 965 70th Ave., Oakland; owner, Fred E. Reed, 14901 E-14th St.

ALTERATIONS, $110; 5410 Dover St., Oakland; owner, H. Widell, 5410 Dover St.

GARAGE, one-story, $75; 700 Derby Ave., Oakland; owner, Frank Castro, Premises.

FIRE repairs, $250; 133 Frisbie St., Oakland; owner, J. Gold, Prem.; contractor, A. H. Rose, 478 25th.

FOUNDATION, concrete, $130; 4009 Lincoln Ave., Oakland; owner, L. Lagomarsino, 611 E-23rd St.; contractor, G. Masso, 730 46th St.

ALTER for garage, $135; 1177 16th St., Oakland; owner, Mrs. E. C. Wright, Premises.

ALTERATIONS, $900; 2219 Channing Way, Berkeley; owner, Miss Linscott, 820 Arlington St.; contractor, W. G. Cleland, 1031 Ordway.

ALTERATIONS, $60; 721 University Ave., Berkeley; owner, Mrs. Niehaus, Prem.; contractor, Fred Kruger, 501 Forest St.

ALTERATIONS, $165; 1442 Virginia St., Berkeley; owner, J. L. Gallagher, Prem.; contractor, Crown Roofing Co., 2609 E-14th St., Oakland.

SIGN, electric, $40; 2312 E-12th St., Oakland; owner, Joe's Hamburger Shop, Prem.; contractor, Radiant Neon Display, 2561 San Pablo

REPAIRS, $75; 515 16th St., Oakland; owner, American Trust Co., 464 California St., San Francisco contractor, Geo. Swanstrom, 1615 78th Avenue.

DWELLING, one-story 3-room, $675; 4407 Clement St., Oakland; owner, Vincent Bondi, 1722 Grove St.

RE-ROOF, $95; 1546 35th Ave., Oakland; owner, J. L. Biro, Prem.

ADDITION, $450; 201 Ridgeway Ave., Oakland; owner, Mrs. Mackinson. Prem.; contractor, W. J Wheeler 4001 Elston Ave.

SIGNS (2) metal, $6 each; 2000 Brush St., Oakland; owner, Golden State Co., Ltd., 26th and Chestnut Sts.

SIGN, metal, $25; 5502 Telegraph Ave., Oakland; owner, Dr. Dye, Prem.; contractor, R. E. Selden, 597 19th Street.

REPAIRS, $100; 1434 55th Ave., Oakland; owner, Al. Seyden, Prem.

ALTERATIONS, $30; 5324 Walnut Ave., Oakland; owner, O. E. Postal. Premises.

ADDITION, $290; 5865 Merriewood Dr. Oakland; owner, A. M. Morris, Premises.

SIGN, electric, $100; 797 12th St., Oakland; owner, Black Cat Buffet Prem.; contractor, Imp Elec. Sign Co., 2228 Myrtle St.

SHED, one-story, $130; 5850 San Pablo Ave., Oakland; owner, Klinkner Drug Store, Prem.; contractor, R. G. Roberts, 4840 Proctor Avenue.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
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4.—Factories and Warehouses
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6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
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Offices
11.—Ice and Cold Storage Plants
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

Contract Awarded.
APARTMENTS Cost, $10,600
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and stucco apartments (4 apts.)
Owner—E. R. Philpott, 826 4th St., Santa Rosa.
Architect—Not Given.
Contractor — Robert Whiting, 624 Spencer St., Santa Rosa.

To Be Done By Day's Work
ALTERATIONS Cost, $4000
SAN FRANCISCO. 867 Washington Street.
Architect—Not Given.
Owner—Chin Bing Foo, 5432 Geary St.

2— BONDS

BONDS SOLD
HEALDSBURG, Sonoma Co., Cal.—Healdsburg High School District sold bonds in the amount of $64,000 to the Anglo California National Bank of San Francisco, at 3¾% and $279 premium. Proceeds to finance construction of a two-story wing addition to the high school at Healdsburg. John I. Easterly, 302 Grant St., Healdsburg, architect.

BONDS SOLD
HEALDSBURG, Sonoma Co., Cal.—Healdsburg Grammar School Dist. sold bonds in the amount of $64,000 to the Anglo California National Bank of San Francisco at 3¾% and $1.00 premium. Proceeds to finance construction of a one-story frame and stucco grammar school building in Healdsburg. John I. Easterly, 302 Grant St., Healdsburg, architect.

BONDS SOLD
SEBASTOPOL, Sonoma Co., Calif.—Analy Union High School District sold bonds in the amount of $190,000 to the Anglo California National Bank of San Francisco at interest ranging from 4% to 3¾%. Proceeds to finance construction of a two-story reinforced concrete high school building in Sebastopol. Louis C. Stone and J. R. Rowell, architects, Humboldt Bank Bldg., San Francisco. Robert L. St. John Co., 544 Market St., San Francisco, mechanical engineers, and Norman Green, 55 New Montgomery St., San Francisco, structural engineer. *

3— CHURCHES

Owner Taking Bids
ALTERATIONS Cost, $3000
SAN FRANCISCO. NW Van Ness Ave. and Green Street.
Alterations to frame church bldg. (Alter choir, enlarge west end of the building, office in basement).
Owner—The Eastern Orthodox Church of Society of San Francisco, 1520 Green Street.
Architect — Harry W. Abrahams, 461 Market Street.
Bids are being received by the chairman of the buildin gcommittee at 1520 Green Street. *

Plans Being Prepared.
CHURCH ADDITION $50,000
OAKLAND, Alameda Co., Cal. No. 1410 Tenth Avenue.
Alterations and additions to present church building.
Owner—Tenth Avenue Baptist Church (Dr. George W. Phillips, Pastor)
Architect—Alben Froberg, 1955 Webster St., Oakland.

4 — FACTORIES & WAREHOUSES

Plans Being Prepared.
SUGAR PLANT Cost, $1,500,000
CLARKSBURG, Yolo Co., Cal. Near City of Clarksburg; 75 acre tract.
Construct new sugar refinery, steel, brick and concrete construction; (plant will comprise 15 buildings, railway tracks and spurs, cattle feeding pens and warehouses for shipping).
Owner—Amalgamated Sugar Co,. (H. A. Benning, Vice President), Ogden, Utah.
Plans by Engineering Dept. of Owner. The chief engineer of the company will have offices in Sacramento and will supervise construction.

CONTRACT AWARDED
SAN FRANCISCO — Alta Roofing Co., 976 Indiana St., at $6.76 per 100 sq. ft. awarded contract by State Board of Harbor Commissioners for laying roof on shed in Pier No 34. Work involves 784 squares. Complete bids follow:

	Per 100 Sq. Ft.
Alta Roofing Co.	$6.76
J. W. Bender Roofing Co.	7.14
Knight Roofing Co.	7.72
Malott & Peterson	8.74
Atlas Heating & Ventilating Co.	9.29

CONTRACT AWARDED
SAN FRANCISCO—Aristo Painting Co., 473 Bryant St., at $940 awarded contract by State Board of Harbor Commissioners, for whitewashing interior of shed on Pier No. 14. Complete bids follow:

Aristo Painting Co.	$ 940
Patterson Bros., Oakland	1940
A. Nelson, Inc.	2819
E. Andresen	2842

Plans Completed
ADDITION Cost, $8350
SAN FRANCISCO. 660 Sacramento St.
Two-story top addition to malt house (steel frame, reinforced concrete, metal sash, wire glass, heighten freight elevator, etc.)
Owner—Bauer Schweitzer Hop & Malt Co., 660 Sacramento Street.
Engineer—W. E. Murray, 908 Hayes.

Contract Awarded.
REPAIRS Cost, $3000
OAKLAND, Alameda Co., Cal. First and Market Streets.
Pepairs and re-roofing of Howard Terminal.
Owner—Howard Terminal Co., Prem.
Architect—Not Given.
Contractor—S. G. Johnson, 4652 Dolores Ave., Oakland.

CONSTRUCTION STARTED
ESCONDIDO, San Diego Co., Cal.—J. Rex Murray, 4567 Texas St., San Diego, has started work on addition to a packing house in Escondido for the Escondido Lemon Assn.; R. G. Beck, manager. Addition will be a three-story structure, 103x334 feet in area, and will given the plant a total storage capacity of 500 cars. A contract will probably be awarded next week for the air conditioning system. Cost, $10,000.

Reinforcing Steel Contract Awarded
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Three-story reinforced concrete brew house (40x40 feet) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Reinforcing Steel—W. C. Hauck & Co. 280 San Bruno Ave., San Francisco

Sub Contracts Awarded
PRINTING PLANT Cost, $150,000
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
One- and part two - story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth Street.
Architect—W. P. Day, Financial Center Building.
Contractor—Cahill Bros., 206 Sansome Street.
Sprinkler System—James H. Pinkerton, 927 Howard Street.
Plumbing—Scott Co., 243 Minna St.
Dumbwaiters — Vincent Whitney, 130 Tenth Street.
Tile—Donlon-Fretessa, 66 12th St.
Reinforcing Steel—Soule Steel Company, 1750 Army Street.
Readymix Concrete—Golden Gate Atlas Materials Co., 16th and Harrison Streets.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Streets.
As previously reported, grading contract awarded to L. Devincenzi & Co., 148 Blake St.; plastering to A. Knowles, 982 Bryant St.; painting to Raphael Co., 270 Tehama St.; heating and humidifying system to Carrier Engineering Corp. of California, 748 E. Washington St., Los Angeles.

To Be Done By Day's Work.
STORAGE BLDG. Cost, $30,000
SAN FRANCISCO. S Bryant St. 180 E Fifth Street.
One-story Class C storage building.
Owner—Charles L. Tilden, California and Front Sts., San Francisco.
Architect—Harold E. Ferree, 435 Valle Vista Ave., Oakland.

October 25, 1934

Sub-Contracts Awarded.
WAREHOUSE Cost, $8000
OAKLAND, Alameda Co., Cal. No. 514 Fifth Street.
One-story brick and concrete warehouse.
Owner—Roeth & Roeth, 514 Fifth St., Oakland.
Architect — Chas. F. B. Roeth, 2548 Cedar St., Berkeley.
Contractor — Lindgren & Swinerton, Inc., 1723 Webster St., Oakland.
Plumbing—D. W. Durant, 1012 Webster St., Oakland.
Lumber—Loop Lumber Co., Broadway and Blanding Ave., Alameda.
Roofing — General Roofing Co., 3985 Beach St., Oakland.
Structural Steel—Judson Pacific Co., Foot of Park Ave., Oakland.
Sheet Metal — Airport Sheet Metal

Works, 4339 E-14th St., Oakland.
Glass—East Bay Glass Co., 621 6th St., Oakland.

6—GARAGES & SERVICE

Contract Awarded
GARAGE Cost, $3000
SACRAMENTO, Sacramento Co., Cal. 1747 Fourth Avenue.
One-story garage building.
Owner—Anna Gray, 2880 18th Street, Sacramento.
Architect—Not Given.
Contractor—J. T. Ransdall, 1424 38th St., Sacramento.

Contract Awarded
GARAGE Cost, $1500
SAN MATEO, San Mateo Co., Calif. 710 San Mateo Drive.
Repairs to garage.
Owner—G. Adolphson, 706 N. Claremont, San Mateo.
Architect—Not Given.
Contractor—G. W. Williams Co., 315 Primrose, Burlingame.

Plans Being Prepared
SERVICE STATION Cost, $10,000
SACRAMENTO, Sacramento Co., Cal. 422 Sixteenth Street.
Steel service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner. Bids will be asked in thirty days.

To Ask Bids In One Week
SERVICE STATION Cost, $7000
ALAMEDA, Alameda Co., Calif. Lincoln and Park Streets.
Steel and concrete service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Plans Completed
SERVICE STATION Cost, $5000
SAN FRANCISCO, 570 Bayshore Blvd.
One-story steel service station (stucco finish).
Owner—Standard Oil Co., 225 Bush St.
Plans by Engineering Dept. of Owner.

Plans Being Prepared.
SERVICE STATION Cost, $7000
SACRAMENTO, Sacramento Co., Cal. Sixteenth and E Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner. Bids will be asked in about thirty days.

Plumbing and Electric Bids Being Taken.
SERVICE STATION Cost, $——
BAKERSFIELD, Kern Co., Cal.
Steel service station.
Owner—Union Oil Co.
Plans by Engineering Dept. of Owner Bakersfield.
Plumbing and electrical bids are being received by the Bakersfield office from Bakersfield contractors only. Other portions of the work will be done by the owner's own forces.

Contract Awarded.
SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Cal. El Camino Real and University Avenue.
Construct new service station ,reinforced concrete construction).
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — Carl N. Swenson, 355 Stockton Ave., San Jose.

7—FEDERAL BUILDING

PROSPECTIVE BIDDERS
BEVERLY HILLS, Cal.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Nov. 9, for painting the plaster, etc., in the U. S. Post Office at Beverly Hills:
Arthur M. Gleden, Chicago, Ill..
J. Wallace Hurd, Maplewood, New Jersey.
San Francisco.

D. Zelinsky & Son, 165 Grove St.,

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following are additional plan-holders for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor, T. H., under Spec. No. 7770, for which bids will be operated by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 14, 11 A. M., as previously reported:
W. F. Martons, Newport News, Virginia.
Westinghouse Electric Co., Washington Bldg., Washington, D. C.
McClintic-Marshall Co., Bethlehem, Pa.
Truscon Steel Co., Investment Bldg. Washington, D. C.
Jones Gas Process Corp., 444 Market St., San Francisco.
Enterprise Foundry Corp., 2092 19th St., San Francisco.
Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco.
Grinnell Co. of the Pacific, Fifth and Brannan Sts., San Francisco.
George Hess, 434 S. Westmoreland Ave., Los Angeles.
T. H. Davies, Rialto Bldg., San Francisco.
Honolulu Iron Works, Rialto Bldg., San Francisco.
Stuart-Mannell & Co., Arctic Bldg., Seattle, Wash.
American Factors, Matson Bldg., San Francisco.
E. T. Thurston, 57 Post St., San Francisco.
Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.
Ingalls Iron Works, 2518 Encinal Ave., Alameda.
H. H. Walker, Inc., 1323 Venice Blvd., Los Angeles.
Tacoma Sash & Door Co., 1507 Dock St., Tacoma.
Plans and specifications obtainable from above office and from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, and the Commandant, 14th Naval District, Pearl Harbor, T. H., upon deposit of $20.

Complete Bid Listing.
POST OFFICE Cost, $64,900
ORANGE, Orange Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—L. F. Dow Co., Union League Bldg., Los Angeles, at $636,735.
Complete bids follow:

L. F. Dow Co., L. A.	$36,735
Schuler & McDonald, Oakland	36,897
Theo. A. Beyer Corp., L. A.	36,960
N. A. Anderson, Los Angeles	38,383
Murch Bros. Constr. Co., St. Louis, Mo.	39,100
Lundberg-Richter Co., Oceanport, New Jersey	39,500
Thermon Meand, Santa Ana	41,300
Wm. Bowman, Tustin	42,903

Bids held under advisement.

Complete Bid Listing.
SACRAMENTO, Cal.—As previously reported, D. Zelinsky & Sons, 165 Grove St., San Francisco, at $9278 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster, decorating, etc., in the U. S. Post Office and Court House at Sacramento. Complete bids follow:

D. Zelinsky & Sons, S. F.	$ 9,278
Patterson Bros., Oakland	9,840
Raphael Co., San Francisco	14,200
Lee Dixon Painting Co., S. F.	14,23[illegible]
Willcoxon & Wilson, Sacto.	17,99[illegible]
Paul Gottrado, Chicago, Ill.	25,97[illegible]

Bids held under advisement.

Contract Awarded
POST OFFICE Cont. Price, $38,000
LA JOLLA, San Diego Co., Calif.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Frank L. Stimson Const. Co., P. O. Box 23, La Jolla.
Complete bids published Oct. 18.

Date Opening Date Postponed Until November 8.
ADDITION Cost, $——
SAN FRANCISCO, Fourteenth Ave. and Lake St. (Marine Hospital).
Construct addition to plauge laboratory.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Date was previously set for Oct. 26.

CONTRACT AWARDED
SILVER CITY, New Mexico—Robt. E. McKee, 108 W. Sixth St., Los Angeles, at $39,875 awarded contract by Treasury Department for the construction of the U. S. Post Office at Silver City, New Mexico.

BUILDING MATERIALS APPROVED
YUMA, Ariz.—Treasury Department approved building materials for air conditioning system for the U. S. post office at Yuma. Carrier Engineering Corporation, contractors.
Refrigerating machinery, Carrier Engr. Corp.; motor for refrigerating machine, U. S. Electrical Mfg. Co.; forced draft fan for cooling tower, Binks Mfg. Co.; motor for fan, U. S. Electrical Mfg. Co.; condenser, water pump, Buffalo Pumps; motor for the pumps, U. S. Electrical Mfg. Co.; non-conducting covering for air conditioning equipment, Mundet Cork Corp.; rubber-covered wire, Collyer Insulated Wire & Cable Co.; feeder panel, Square D. Co.

BIDS OPENED
SENECA, Plumas Co., Cal.—Corbin Cabinet Lock Co. at $772 submitted low bid to Post Office Department for furniture and screen line equipment for the post office at Seneca. Complete bids follow:

Corbin Cabinet Co.	$ 772
Morgan Cabinet Lock Co.	846
Keyless Lock Co.	900
Federal Equipment Co.	963
Original Cabinet Corp.	1,000

CONTRACT AWARDED
PEARL HARABOR, T. H. — Grinnell Company of the Pacific, Fifth and Brannan Streets, San Francisco, at $5081 awarded contract by Bureau of Yards and Docks, Navy Department, for sprinkler system in storehouse at Pearl Harbor. Specification No. 7704.

CONTRACT AWARDED
LAS VEGAS, Nevada—Metal Office Furniture Co., Grand Rapids, Michigan, at $743.85 awarded contract by Treasury Department, for metal counters, etc., at the U. S. Post Office, Las Vegas.

Contract Awarded
POST OFFICE Cont. Price, $37,580
HOOD RIVER, Oregon.
United States post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Hoffman Const. Co., 715 S Columbia St., Portland.

Contract Awarded
POST OFFICE Cont. Price, $41,950
HILLSBORO, Oregon.
United States post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Joseph H. Anderson, 3132 NE 69th St., Portland.

October 25, 1934

BIDS OPENED
POINT REYES, Cal.—M. J. Reeves Heating Co., 959 Natoma St., San Francisco, at $3747 submitted low bid to Public Works Officer, U. S. Navy Yard, Mare Island, for removing an existing coal fired air heating furnace located in the basement of double barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to compass house, Building No. 1 at the U. S. Naval Direction Finder Station, Point Reyes, Calif. Specification No. 7756. Complete bids follow:

M. J. Reeves Heating Co., S. F.	$3747
O'Mara & Stewart, San Francisco	3856
F. W. Snook Co., San Francisco	4062
Ray Kynoch, Petaluma	4199
James A. Nelson, San Francisco	4444
Jas. H. Pinkerton, S. F.	4445
Knittle Bros., San Francisco	4596
Scott Co., San Francisco	4622
George C. Bell, Oakland	4910
Geo. A. Shields, San Rafael	4965

Bids held under advisement.

BIDS OPENED
PT MONTARA, Calif.—H. P. Hansen, 50 Homer St., Palo Alto, at $2,452 submitted low bid to the Public Works Officer, Mare Island Navy Yard for removing an existing coal fired hot air heating furnace located in the basement of barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to the Compass House, Building No. 1, at the U. S. Naval Direction Finder Station, Point Montara, Calif. Specification No. 7758:
Complete bids follow:

H. P. Hansen, Palo Alto	$2,452
O'Mara & Stewart, S. F.	2,974
M. J. Reeves Heating Co., S. F.	3,207
Fred. W. Snook, S. F.	3,247
Scott Co., San Francisco	3,359
George C. Bell, Oakland	3,640
Jas. H. Pinkerton, S. F.	3,631

Bids held under advisement.

BIDS OPENED
TABLE BLUFF, Eureka, Cal.—Fred W. Snook, 596 Clay St., San Francisco, at $5319 slubmitted low bid to Public Works, Officer U. S. Navy Yard, Mare Island, for remodeling of present hot water heating system in Operating Building and for extending this heating system to the Radioman-in-charge and the double quarters at the U. S. Naval Radio Station, Table Bluff (Eureka), Calif. Spec. No. 7754. Complete bids follow:

F. W. Snook, San Francisco	$5319
M. J. Reeves Heating Co., S. F.	5832
Moore & Cook, Eureka	6075
Fred J. Maurer, Eureka	6675
George C. Bell, Oakland	7080

Bids held under advisement.

8— CLUB BUILDINGS

Contract Awarded.
ADDITION Cost, $1500
OAKLAND, Alameda Co., Cal. Diamond Park.

One-story frame addition to boy scouts' quarters (rustic exterior, tar and gravel roof, plumbing, etc.)
Owner—Oakland Council Boy Scouts of America.
Architect—Guy L. Brown, American Bldg., Oakland.
Contractor — J. B. Petersen & Son, 4021 Aqua Vista Ave., Oakland.

Planned
CLUB HOUSE & POOL Cost, $150,000
SACRAMENTO, Sacramento Co., Cal McKinley Park.
Construct new club house and swimming pool.
Owner—City of Sacramento.
Architect—Not Selected.
Project will be financed through funds bequeathed to the City of Sacramento by the late Mrs. Florence Clunie.

9— HOSPITALS

Sub-Contracts Awarded.
HOME Cont. Price, $67,388.50
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (two-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Reinforcing Steel and Steel Sash—Truscon Steel Co., 604 Mission St. San Francisco.
As previously reported, heating awarded to Scott Co., 113 10th St., Oakland, at $2720.

Prospective Bidders.
ALTERATIONS Cost, $3500
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
Alterations to half of basement to provide for 30 additional beds at the Yolo County Hospital (basement to be walled and floored with concrete, heating and plumbing facilitits, etc.)
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Following have procured plans. Bids close November 5:
General Work
J. G. Motroni, Box 537, Woodland.
H. S. Brindle, 516 17th St., Sacramento.
N. H. Sjoberg, Call Bldg., San Francisco.
Plumbing and Heating
Woodland Plumbing & Hardware Co., Woodland.
Fred R. McGrew, 422 First St., Woodland.

Bids Wanted—To Close October 29, 11 A. M.
ADDITIONS Cost, $2500
MERCED, Merced Co., Cal. County Hospital Site.
Construct combined living room and dining room for tubercular unit (28x22 ft.) and bathroom for old men's baracks (tubs and showers).
Owner—County of Merced (W. E. Bedesen, County Surveyor), Merced.
Architect—Not Given.
Plans and specifications may be obtained from the County Surveyor at Merced.

Sub-Contracts Awarded.
HOSPITAL Cont. Price, $30,046
TULARE, Tulare Co., Cal. County Hospital.
One-story isolation ward bldg. for Tulare County General Hospital (90x 34 feet) to contain eight wards.
Owner—County of Tulare.
Architect—Ernest J. Kump, 533 Rowell Bldg., Fresno.
Contractor—Hodgson & Son, 215 South F St., Bakersfield.
Masonry — Spring & March, Porterville.
Heating—R. A. Rounsaville, Tulare.
Plumbing—Rudie Kohler, Visalia.
Electric — Rider's Electric Service, Porterville.
Mill Work—Tulare Planing Mill, Tulare.
Structural Steel—Kyle & Co., Fresno.
Sheet Metal—Wheeler's Sheet Metal Co., Visalia.
Plastering—Ralph Utter, Tulare.
Tile Work—C. E. McMullin Co., Visalia.
Brick Work—Spring & March, Porterville.

Excavation Contract Awarded
HOME Cont. Price, $67,388.50
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (two-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard, Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Excavation—J. Catucci, 1212 18th Ave., Oakland.
As previously reported, reinforcing steel and steel sash awarded to Truscon Steel Co., 604 Mission Street, San Francisco; heating to Scott Co., 113 10th St., Oakland.

Bids Wanted—To Close Nov. 22.
HOSPITAL AND QUARTERS .... Cost, $180,000
NESPELEM, Washington. Colville Indian Agency.
Hospital, two doctors' houses, nurses' quarters (hospital will have reinforced concrete construction, light weight steel beams, reinforced concrete floors, etc.; nurses' quarters, masonry walls, asbestos shingle and clay tile roofing, hot water heating system, high pressure steam boilers).
Owner — United States Government (John Collier, Commissioner of Indian Affairs).
Architect—Schmidt, Garden & Erikson, 104 S. Michigan Ave., Chicago.
Plans and specifications may be obtained from W. B. Fry, Purchasing Officer, Dept. of Interior, 18th and F Sts., N. W., Washington, D. C.

PREPARING PLANS
SAN BERNARDINO, Cal.—Architect DeWitt, Mitcham, 288 Highland Ave., San Bernardino, is preparing plans for a proposed building to be erected at Third St. and Arrowhead Ave., San Bernardino, to be used for emergency relief and public health purposes for San Bernardino County. The construction of nine smaller buildings for similar purposes in other San Bernardino County cities is also proposed. Total cost of the project is estimated at $275,000. County officials will submit the plans to the SERA with an application for funds to finance construction.

12— POWER PLANTS

BIDS WANTED
COOLIDGE, Arizona—Until November 1, 2 P. M., bids will be received by C. H. Southworth, District Engineer, for San Carlos Project, Coolidge, Arizona, for a complete Diesel-powered electrical generator plant.
The plant will have a capacity of 2500 horsepower, will be used as a stand-by in connection with the electrical system of the project.
The stand-by plant will generate 60 cycle electricity at 2300 volts. This

SAN FRANCISCO — Psychopathic Hospital — (City)

HOSPITAL Cost, $687,000
SAN FRANCISCO. Block bounded by Potrero Ave., 22nd St. and San Bruno Ave.

Six - story cancer building and five-story psychopathic hospital (Class A construction) reinf. concrete and brick; auditorium with stage, library, two electric elevators, etc.

Owner—City and County of Can Francisco.

Architect—Martin J. Rist, Phelan Bldg.
Structural Engineer—Leland and Haley, 58 Sutter Street.

Work involves:

Concrete work, reinforcing concrete, Travertite cast stone, excavation and backfilling, colored cement floors, steel stair treads, reinforcing steel, structural steel, brick work, tile partitions, glazed terra cotta wall units, structural tile, tile lintels, carpentry, mill work, interior finish, rough and finish hardware, counters for nurses stations and offices, wood partition examination booths, glass and glazing, steel tubular doors, stationary steel sash, screens and wire window guards, sanitary metal window trim, hollow metal work, insulated hollow metal doors, metal cases, sheet metal and ornamental copper work, bronze, Kalamein doors, linen chutes, miscellaneous and ornamental iron, cast iron and bronze thresholds, iron pipe rails, door grilles, metal stairs, painting, tile work, wall tile, tiletex floor covering, linoleum floor covering, cork tile treads and landings, rubber floor tile covering, Travertite marble partitions and base, marble work, lathing and plastering, terra cotta tile partitions.

Low Bidder—Anderson & Ringrose, 320 Market St., $546,732.

Electric—Chas. A. Langlais, 472 Tehama St., $34,458.

Mechanical Equipment & Plumbing—Fred. W. Snook, 596 Clay Street, $87,584.

Complete bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$546,732.00	$546,900.00	$551,000.00	$554,415.00	$557,755.00
(2)					
(3)	2,000.00	1,795.00	2,000.00	3,000.00	1,800.00
(4)	600.00	525.00	600.00	1,050.00	500.00
(5a)	.80	1.00	3.00	1.50	1.50
(5b)	.30	.75	.50	.50	.50
(6a)	1.00	2.00	4.50	1.75	2.50
(6b)	.40	1.00	1.00	.50	.60
(7a)	1.50	3.00	8.00	2.00	3.00
(7b)	.40	1.00	2.00	.50	.70
(8a)	1.00	6.00	11.00	2.50	3.50
(8b)	.40	2.00	3.00	.50	.80
(9a)	16.00	18.00	18.00	20.00	17.00
(9b)	10.00	12.00	10.00	10.00	7.00
(10a)	16.00	17.00	17.00	19.00	16.00
(10b)	10.00	11.00	7.00	9.00	6.00
(11a)	17.00	18.00	20.00	21.00	18.50
(11b)	10.00	12.00	10.00	10.00	8.50
(12a)	15.00	15.00	15.00	18.00	11.00
(12b)	5.00	10.00	6.00	8.00	4.00
(13a)	.045	.0433	.05	.05	.055
(13b)	.025	.0333	.03	.03	.02
(14a)	2.25	1.80	3.00	1.90	3.25
(14b)	1.25	1.25	1.50	1.20	1.00
(15a)	3.00	3.00	3.50	3.60	4.50
(15b)	2.00	2.50	1.50	2.00	2.00
(16a)	.45	.20	.50	.60	.40
(16b)	.15	.15	.15	.30	.12

General Work

(1) Work complete;
(2) Add or deduct if Schlage locksets heavy duty type "C" are used in lieu of mortise cylinder locks specified;
(3) Add, if Columbia marble is used in lieu of Travertite marble for all toilet, shower and urinal stall partitions;
(4) Add, if Italian travertine marble is used in lieu of California marble, as specified;
(5a) Add, excavation and backfilling to depth of 4 ft. below same;
(5b) Deduct, do;
(6a) Add, excavation and backfilling to depth of 8 ft. below natural grade;
(6b) Deduct, do;
(7a) Add, excavation and backfilling from previously mentioned depth of 12 ft. below natural grade;
(7b) Deduct do.
(8a) Add excavation and backfilling to depth of 16 ft. below natural grade
(8b) Deduct, do;
(9a3 Add, Class A concrete;
(9b) Deduct, do;
(10a) Add, Class B concrete;
(10b) Deduct, do;
(11a) Add, Class C concrete;
(11b) Deduct, do;
(12a) Add, Class D concrete;
(12b) Deduct, do;
(13a) Add, reinf. steel, per lb.;
(13b) Deduct, do;
(14a) Add linoleum and felt, per sq. yd. laid;
(14b) Deduct, do;
(15a) Add, Kalamein process cement finish per sq. yd. laid;
(15b) Deduct, do;
(16a) Add, cement topping, per sq. yd. laid;
(16b) Deduct, do.

Bidders follow:

(A) Anderson & Ringrose	$546 732
(B) K. E. Parker Co.	546,900
(C) Clinton Const. Co.	551,000
(D) Dinwiddie Const. Co.	554,415
(E) MacDonald & Kahn	557,755

Unit prices follow:

Electrical

Chas. A. Langlais	$34 458
Crown Electric Co.	34,658
Enterprise Electric Works	34,735
R. Flatland	35,115
Severin Electric Co.	35,346
H. S. Tittle	35,365
Scott-Buttner Electric Co.	35,474
H. C. Reid & Co.	35,490
Central Electric Co.	35,616
Decker Electric Const. Co.	36,680

Mechanical Equipment & Plumbing

Fred. W. Snook	$ 87,584
Scott Company	88,537
Anderson & Rowe	91,407
James A. Nelson	91,980
A. Ramazzotti	95,900
Herman Lawson Co.	96,400
E. Sugarman	114,900

Bids held under advisement.

(3783) 1st report Feb. 17; 8th, Sept. 28, 1934.

will be transformed by adjacent substations to 12,000 volts for the low voltage system and to 69,000 volts which will affect an interconnection with the high voltage transmission line from the Coolidge dam. The Diesel engine part of the plant will consist of not less than two and not more than three units. Fuel to be used will be the ordinary Diesel fuel oil.

Provisions will be made to change to the use of natural gas if that fuel is available later on. The plant is being designed so that additional units may be added as required in the future. Estimated cost $250,000.

CONTEMPLATED

TRACY, San Joaquin Co., Cal.—The Tracy City Council has received preliminary estimate from Western Enterprise Engine Company on cost of diesel energy for operation of pumps at municipal water plant and street lighting. Council is considering engaging an engineer to survey the project and make detailed estimate.

Ta Ask Bids About Nov. 15.

ADDITION Cost, $142,000
PULLMAN, Washington. University of Washington Campus.
One-story addition to power plant (32x 50 feet) acoustical tretatment, tile flooring, lockers, etc.
Owner—State of Washington.
Architect—Bebb & Gould, Hoge Bldg., Seattle, Washington.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

ESTIMATES OF COST BEING TAKEN

SALINAS, Monterey Co., Cal.—Carl H. Abbott, Sheriff, Salinas, is receiving estimates of cost for new locking system, fireproof bars and iron windows for the present county jail in Salinas. Bids will be asked at a later date.

BIDS WANTED

WATSONVILLE, Santa Cruz Co., Cal.—Until Nov. 1, 3 P. M., bids will be received by Odo Redman, Board of Directors, Watsonville Free Public Library, for furnishing and laying linoleum upon floor of a portion of the Watsonville public library. The floor space is about 157 square yards. Linoleum to be Armstrong's "A" gauge, inlaid pattern No. 551. Work to include levelling of floor, placing one layer of floor felt and cement under linoleum. Specifications may be obtained from above office.

CONTRACT AWARDED

GRIDLEY, Butte Co., Cal.—Frank Booth, Marysville, awarded contract by Gridley City Council for raising furnace in City Hall from present basement pit to a level near first floor.

PLANS COMPLETED

SANTA ANA, Orange Co., Calif.—Architects W. H. Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, have completed working drawings for the new city hall building to be erected at Third and Main Sts., Santa Ana. Will be a 3-story and basement, Class B structure, costing approximately $105,000. Public Works Administration in July allocated $105,000 (loan and grant) for the project, the loan to be secured by a $70,000 bond issue voted by the city last December.

BIDS WANTED

ONTARIO, San Bernardino Co., Cal.—Until 2 P. M., Nov. 2, bids will be received by the Chaffey Union High School District for the construction of Chaffey Memorial Library building in Ontoria. Each bid must be accom-

paned by a certified or cashier's check or bid bond for not less than five per cent of the amount of the bid. Plans and specifications may be obtained from Allison & Allison, 1014 Edison Bldg., Los Angeles, architect, upon deposit of $25. 3

Bids Wanted—To Close November 6, 7:30 P. M.
FIRE HOUSE Cost, $2000
SALINAS, Monterey Co., Cal.
One-story reinforced concrete fire house (16x32 feet) composition roof, concrete floors.
Owner—City of Salinas.
Architect — Chas. Butner, 51 Maple St., Salinas.
Plans and specifications may be obtained from the architect and from the Fire Chief, Salinas.

Planned.
FIRE HOUSE Cost, $——
PORTERVILLE, Tulare Co., Cal.
Construct new fire house (40x100 ft.)
Owner—City of Porterville.
Architect—Not Given.
Ross Gardner is Fire Chief.

14— RESIDENCES

Plans Completed.
RESIDENCE Cost, $8000
WATSONVILLE, Santa Cruz Co.
Two-story frame and stucco residence (7 rooms and 2 baths) tile roof, hot air heating system, hardwood floors, tile baths, etc. (Spanish style).
Owner—Roy Peterson.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.

To Be Done By Day's Work.
RESIDENCE Cost, $2500
OAKLAND, Alameda Co., Cal. No. 3368 Robinson Drive.
One-story and basement frame and stucco residence (5 rooms).
Owner — A. C. Whittall, City Hall, Oakland.
Architect—Not Given.

Contract Awarded
RESIDENCES Cost, $6,000
ORINDA, Contra Costa Co., Calif.
Three one-story rustic residences (2 rooms and bath each) shingle roof.
Owner—Hacienda Homes, Inc.
Architect—Fred. Confer, 2812 Russell Street, Berkeley.
Contractor—Geo. Windsor, Piedmont.

Low Bidder.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Chelton Drive and Bagshotte Drive.
One - story and basement frame and stucco residence.
Owner—Syndicate Idora Co., 5505 Telegraph Ave., Oakland.
Architect—Fred. Confer, 2812 Russell Street, Berkeley.
Low Bidder—J. R. Armstrong, 1131 Fleet Road, Oakland.

Plans Being Prepared
RESIDENCE Cost, $14,000
HILLSBOROUGH, San Mateo Co., Cal.
Two - story and basement frame and stucco residence (10 rooms and 4 baths) tile roof, hot air heating system, hardwood floors, tile baths etc. (Monterey type).
Owner—Withheld.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.

Preparing Working Drawings.
RESIDENCE Cost, $——
BAYWOOD, San Mateo Co., Calif.
Two - story and basement frame residence (7 rooms, 3 baths; Colonial type) wood siding, shingle roof, hot air heating system, hardwood floors, tile bath, etc.
Owner—Walter Black.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Oscar Cavanaugh, 432 Occidental Ave., San Mateo.

CONTRACT AWARDED
TUCSON, Ariz.—Bailey and McCoy, Tucson, awarded contract for a new two-story frame and brick chapter house to contain 34 rooms on Rincon Road and Vine St., Tucson, for the Kappa Kappa Gamma sorority, 715 N. Park Ave., Tucson. Cost, $31,000. Roy Place, 11 E. Pennington St., Tucson, architect. 4

Contract Awarded.
RESIDENCE Cost, $3200
PLEASANTON, Alameda Co., Cal.
One-story frame and stucco residence (four rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—C. A. Bruce, Pleasanton.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal.
Two-story frame and stucco residence (10 rooms, 3 baths) shingle roof, gas - fired steam heating system, concealed radiators, hardwood floors, tiled baths, tile kitchen, monel metal sink, etc.
Owner—J. E. Tourtellotte.
Architect — Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Oscar Cavanaugh, 432 Occidental Ave., San Mateo.
Mill Work—Pacific Mfg. Co., Santa Clara.
Lumber—Wisnom Lumber Co., Fifth and Claremont Sts., San Mateo.
Tile — Bloomquist Tile Co., Redwood City.
Steam Heating System—A. H. Dittmann, 1109 California Drive, Burlingame.
Sheet Metal — Gaffigan Sheet Metal Works, 309 8th Ave., San Mateo.
Painting—William Blauert, 2720 San Jose Ave., San Francisco.
Plastering—Frank Russell, 25 12th St., San Mateo.

Contract Awarded
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Calif. West Baywood Drive 153 N. Wrenn St.
Two - story and basement frame and residence (8 rooms).
Owner—Dorothea D. Lotz, 1831 Delaware St., Berkeley.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor—Cyril C. Lotz, 1055 Solano Ave., Albany.

Contract Awarded
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 568 56th Street.
One - story and basement frame and stucco residence (six rooms).
Owner—Irmo Villata, 4308 Market St., Oakland.
Architect—Not Given.
Contractor—John Cisero, 474 42nd St., Oakland. 1

Plans Being Figured.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Arch Street.
Two-story frame and stucco residence
Owner—K. G. Schwegler, 1203 Walnut St., Berkeley.
Architect — F. W. Confer, 2812 Russell St., Berkeley.

Contract Awarded
RESIDENCE Cost, $4000
SAN FRANCISCO. E Missouri 125 N 18th Street.
One - story and basement frame and stucco residence.
Owner—Adolph and Edward Cicerone, 1419 18th Street.
Architect—Not Given.
Contractor—C. T. Lindsay, 4363 26th Avenue. 1

PLANNED
WATTS, Los Angeles Co., Cal.—Municipal Housing Commission; Don Tyler, secretary, 417 S. Hill St., Los Angeles, has applied to the Public Works Administration for a loan of $1,500,000 to finance the construction of 380 residences on the Ramsaur property, Watts. The proposed residences will contain from five to seven rooms and equipment will include electric refrigerators and electric ironers.

Plans Being Figured.
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. Cragmont.
One and one-half-story frame and stucco residence (5 rooms) hot air heating system, shingle roof, hardwood floors, etc.
Owner—Lyle A. Byers.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Sub-Bids Being Taken
RESIDENCE Cost, $4000
SAN FRANCISCO. NE 21st Avenue and Judah Street.
One - story and basement frame and stucco residence (5 rooms) composition roof, gas heating system tiled bath, hardwood floors, etc.
Owner and Builder—A. Hallgren, 1594 29th Avenue.
Architect—D. E. Jaekle, Call Bldg.

Sub-Bids Being Taken.
RESIDENCES Cost, $8000 each
BERKELEY, Alameda Co., Cal. Berkeley Highland Terrace.
Two two-story and basement frame and stucco residences (8 rooms and social hall each) shingle roofs, gas heating systems, tile and hardwood floors, etc.
Owner and Builder—C. M. MacGregor, 622 Highland Ave., Piedmont.
Plans by W. W. Dixon, 1844 5th Ave., Oakland.

Plans Being Figured.
RESIDENCE Cost, $12,500
CLARKSBURG, Yolo Co., Cal.
Two-story rustic residence (12 rooms and 2 baths) shingle roof, hot air heating system, oak floors, etc.
Owner—George Wilson.
Architect—W. R. Yelland, Financial Center Bldg., Oakland.
Following will submit bids:
Samuel Bingham, 4925 U St., Sacramento.
Wallace Petersen, 7127 Weld St., Oakland.
Charles Unger, 4352 T St., Sacramento.
C. J. Hopkinson, 1810 28th St., Sacramento.

CONTRACTS AWARDED
SANTA ROSA, Sonoma Co., Cal.—Robert J. Whiting, contractor, 624 Spencer Ave., Santa Rosa, has the following work under way or about to start:
Judge Geary, Santa Rosa, remodeling 12 rooms; new plumbing, fireplace painting, papering, etc. Ralph Sisson, Architect.
E. C. Kraft, Santa Rosa, remodeling, basement, oil burning furnace, etc. Herbert & Caukins, Architects.
Philpott Apartments, Santa Rosa, 826 Fourth St. Plans private.
Ranch house, 6 rooms, R. F. D. 1, Sebastopol. Wallace Neff, Hollywood, Architect. Owner, M. C. Coffee.
Remodeling, H. M. Bair, Santa Rosa, new plumbing, case work, etc.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 1011 Church Street.
Alterations to frame residence.
Owner—W. Urmy, Premises.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco.

Low Bidder.
RESIDENCE Cost, $6500
BERKELEY, Alameda Co., Cal. Piedmont Pines Tract.
One-story and basement frame and stucco residence (6 rooms and 2 baths); gas hot air heating system, hardwood floors, tile baths, etc.
Owner—Syndicate Idora Co., Oakland
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Low Bidder—J. K. Armstrong, 1131 Fleet Road, Oakland.

Contract Awarded.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. W. Leimert Blvd. 100 N Swan Ave.
One and one-half-story frame and stucco residence (6 rooms).
Owner — Jos. Simon, 510 Mandana Blvd., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Contractor—F. L. Confer, 976 Keeler Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $——
BERESFORD, San Mateo Co., Cal.
One-story and basement frame and stucco residence (English type).
Owner—Withheld.
Architect — W. C. F. Gillam, 1470 Broadway, Burlingame.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Plans Completed.
RESIDENCE Cost, $7000
OAKLAND, Alameda Co., Cal. No. 1891 Trestle Glen Road.
Two-story and basement frame and stucco residence (7 rooms).
Owner—H. P. Fisher, 376 17th Street, Oakland.
Architect — W. E. Schirmer, Bank of America Bldg., Oakland.

To Be Done By Day's Work
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. 1701 E. 38th Street.
One - story and basement frame and stucco residence (six rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.

15— SCHOOLS

Plumbing Contract Awarded.
SCIENCE BLDG. Cont. Price, $194,312
PULLMAN, Washington. University of Washington.
Four-story reinforced concrete and brick science building (100x200 ft.) 10-year built-up roof, linoleum and cement floors, one passenger elevator, terazzo floors (will contain museum, classrooms, laboratories, heating from central plant, etc.)
Owner—State of Washington.
Architect—S. A. Smith, Premises.
Contractor—Ross B. Hammond, Spalding Bldg., Portland.
Plumbing—H. D. Powell, Pullman, at $9795.
As previously reported, heating and ventilating awarded to H. C. Hastorf, Inc., 735 S. E. Morrison St., Portland at $17,803; electrical to Stewart Elec. Co., Seattle, at $8415.

BONDS DEFEATED
BAYWOOD, San Mateo Co., Cal.—Baywood Park-Aragon School District defeated bond issue in the amount of $25,000 October 23. Proceeds were to have financed construction of a new grammar school in Baywood Park.

Complete Bid Listing.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School Dist.
Architect — Harry Devine, California State Lifs Bldg., Sacramento.
Low Bidder—Young & Horstmeyer, 461 Market St., San Francisco.
Complete bids follow:
Young & Horstmeyer, S. F.....$36,887
N. H. Sjoberg & Son, S. F..... 37,773
J. Dillard, Reno, Nev..... 37,949
Chas. Unger, Sacramento..... 39,980
W. H. Ecker, Sacramento..... 41,800
Bids held under advisement.

CONTRACT AWARDED
LOS ANGELES, Cal.—Wm. J. Shirley, 1724 S. Vermont Ave. awarded contract by Los Angeles Board of Education at $63,700 for reconstructing tht northwing of main bnuilding at San Fernando Elementary School. Mr. Shirley submitted the following subcontract bids with his proposal: Ford Alexander Corp., demolition, $5323; Gates-Huntley, gunite, $14,990; Jones, lathing and plastering, $1760; Usona Iron Works, miscellaneous and ornamental iron, $2189; Harris & Berger-Eldridge Co., tile and marble, $533; Jos. Korb, electric wiring, $785; Paller & Goldstein, sheet metal, $103; Hickman Brothers, plumbing and heating, $1289; Wm. Gelfan, painting, $500; Soule Steel Co., reinforcing bars and mesh, $7270. Other general contract bids were: Wesco Construction Co., $65,186; Jones Brothers, $67,600; Chas. J. Dorfman, $67,950 ; Arthur Pinner Jr., $71,938. A. S. Nibecker, Jr., architect, and Geo. J. Fosdyke, structural engineer.

BIDS WANTED
LOS ANGELES, Cal. — Until Nov. 14, 11:30 A. M., bids will be received by the Los Angeles Board of Education at room 200, 1425 San Pedro St., for the construction, rehabilitation and strengthening of building No. 1 and arcade at the Second Street School, 1942 E. Second St. Plans and specifications may be obtained at 1425 San Pedro St., upon deposit of $25. Certified or cashier's check or bidder's bond for 5% must accompany each bid. H. E. Griffin, secretary. Cost of the work is estimated at $61,-847. William Meilema, 1661½ North Beverly Blvd., los Angeles, architect.

Excavation Started
SCHOOL Cost, $33,000
WHEATLAND, Yuba Co., Calif.
One - story reinforced concrete elementary school bldg. (6 classrooms and auditorium to seat 250) flat roof, steam heating system, vacuum system, etc.
Owner—Wheatland Elementary School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Excavation and concrete work will be done under the supervision of Harold Forbes by the SERA. Upon completion of this portion of the work bids will be advertised for the construction of the building.

To Ask Bids In About One Week.
SCHOOL Cost, $200,000
SEBASTOPOL, Sonoma Co., Cal.
Two-story reinforced concret high school building.
Owner—Analy Union High School District.
Architect—Louis C. Stone and J. K. Rowell, Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market St., S. F.

BIDS OPENED
SAN FRANCISCO — Identical bids were submitted by the following to the Department of Public Works, at $93.85 for constructing fence at the Commodore Stockton School. Work involves erection of 8-foot chain link fence on concrete wall with 8-foot return on top of present fence, involving thrity-two feet:
Standard Fence Co.
Western Steel & Wire Co.
Anchor Post Fence Co.
Wickwire Spencer Steel Co.
Michel & Pfeffer Iron Works.
Bids held under advisement.

Awarded.
SCIENCE BLDG. Cont. Price, $194,312
PULLMAN, Washington. University
Heating and Ventilating Contracts of Washington.
Four-story reinforced concrete and brick science building (100x200 ft.) 10-year built-up roof, linoleum and cement floors, one passenger elevator, terrazzo floors (will contain museum, classrooms, laboratories, heating from central plant, etc.)
Owner—State of Washington.
Architect—S. A. Smith, Premises.
Contractor—Ross B. Hammond, Spalding Bldg., Portland.
Heating and Ventilating—H. C. Hastorf, Inc., 735 S. E. Morrison St., Portland, at $17,803.
As previously reported, electrical contract awarded to Stewart Electric Co., Seattle, at $8415.

Plans Being Prepared.
DORMITORY Cost, $600,000
PULLMAN, Washington. Campus of University of Washington.
Three-story and attic dormitory (220x318 feet); terra cotta or cut stone; brick exterior, slate roofing, some marble, hollow tile backing; steam heating system to connect to present plant, concrete slab floors acoustical treatment, freight elevator, 4 fireplaces, terrazzo, tile and linoleum flooring, phones; laundry equipment; ornamental iron; plaster electric ranges and refrigeration; temperature controls, ventilating system, etc.
Owner—State of Washington.
Architect—David J. Myers, Central Bldg. and John Graham, Dexter Horton Bldg., Seattle.
Bids will be asked about January, 1935.

BIDS WANTED
SACRAMENTO, Cal.—Until Nov. 13, 5 P. M., bids will be received by Chas. C. Hughes, Secretary, Sacramento City Elementary School Dist., Administration Bldg., 21st and L Sts., Sacromento, for proscenium curtain, window curtains, cyclorama. Specifications may be obtained from Business Manager, School Administration Bldg. 21st and L Sts., Sacramento.

Commissioned To Prepare Plans.
SCHOOL Cost, $40,000
COICORD, Contra Costa Co., Cal.—
Two-story reinforced concrete high school (10 classrooms) tile roof, steam heating system, probably concrete floors.
Owner — Mount Ditblo Union High School District (Miss Bertha Romaine, Principal).
Architect—W. H. Weeks, 525 Market St., San Francisco.

PROSPECTIVE BIDDERS
LOWER LAKE, Lake Co., Calif.—Young and Horstmeyer, 461 Market Street, San Francisco, have procured

plans for the purpose of submitting a bid to Lower Lake Grammar School District on October 29 for construction of a one-story brick grammar school at Lower Lake. John I. Easterly, architect. 5

Plans Completed

SCHOOL Cost, $300,000
SAN FRANCISCO. 150 Brompton St. (Glen Park School).
Two-story reinforced concrete school (14 classrooms, auditorium to seat 450) tar and gravel roof, steam heating system, etc.
Owner—City and County of San Francisco.
Architects—Louis P. Hobart, Crocker Building, and Bliss & Fairweather, Balboa Building.
Structural Engineer—John B. Leonard 677 Tenth Avenue.
Mechanical Engineer—Robert L. St. John, 544 Market Street.
Bids will be asked shortly.

Prospective Bidders

SCHOOL Cost, $——
LOWER LAKE, Lake Co., Calif.
One-story brick grammar school bldg. (three classrooms) tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant Street, Healdsburg.
Following have procured plans. Bids close October 29:
Young & Horstmeyer, 461 Market St., San Francisco.
Frank Lahaye, 17 Waverly, San Anselmo.
David Paganini, 519 California St., San Francisco.
J. P. Christensen, Forestville.
D. D. Downie, O'Farrell Hill, Sebastopol.
McDonald & Cavanagh, Berkeley.
Plans and specifications may be obtained from Mrs. Alice E. Kugleman, clerk of the board, upon deposit of $10.

BOND ELECTION PLANNED

SAN LEANDRO, Alameda Co., Cal.—San Leandro School District is contemplating calling an election in December at which time bonds in the amount of $125,000 will be voted to finance construction of a new school unit to house 7th and 8th grades of the San Leandro School District. Further details will be announced shortly.

Structural Engineer Appointed

SCHOOL Cost, $——
SAN FRANCISCO. Kirkham St. bet. 42nd and 43rd Avenues.
Complete school unit of 12 rooms, library and auditorium. To be designed with consideration of possible future expansion (Francis Scott Key School).
Owner—City of San Francisco School Department.
Architects—Wm. Mooser, Monadnock Bldg.; Edward A. Eames, 333 Sacramento St., and Douglas D. Stone 110 Sutter Street.
Structural Engineer—Jas. Smith, 251 Kearny Street.

LOW BIDDER

LOS ANGELES, Cal.—Wm. J. Shirley, 1724 S. Vermont Ave., submitted low bid to board of education, Los Angeles, at $63,700, for reconstructing the north wing of the main bldg. at San Fernando elementary school. Mr. Shirley submitted the following subcontract bids with his proposal: Ford Alexander Corp., demolish, $5,-323; Gates-Huntley, gunite, $14,990; Usona Iron Works, miscellaneous and ornamental iron, $2189; Harris & Jones lathing and plastering, $1780; Berger-Eldridge Co., tile and marble, $533; Jos. Korb, electric wiring, $785; Paller & Goldstein, sheet metal, $103; Hickman Bros., plumbing and heating, $1289; Wm. Gelfan, painting, $500; Soule Steel Co., reinforcing bars and mesh, $7270. Other general contract bids were: Wesco Const. Co., $65,186; Jones Bros., $67,600; Chas. J. Dorfman, $67,950; Arthur Pinner, Jr., $71,-938. A. S. Nibecker, Jr., architect, and Geo. J. Fosdyke, structural engineer. 5

LOW BIDDER

PASADENA, Cal.—E. F. Wopschall, 35 N. Broadway, Pasadena, submitted low bid to Pasadena board of education at $89,933, for construction of the Louis Agassiz building on the Pasadena Junior college site. Cyril Bennett, 311 First Trust Bldg., Pasadena, architect. The exterior walls will be constructed of gunite, composition roofing, maple and concrete floors, steel sash, structural steel, etc.

Contracts Awarded.

MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Cal.
One-story frame and stucco music building (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Construction—Wm. Radtke, P. O. Box 494, Gilroy.
Lumber—Southern Pacific Milling Co., 206 Sansome St., San Francisco, at $1535.
Reinforcing Steel — Soule Steel Co., 1750 Army St., S. F. at $194.18.
Miscellaneous Iron — Schrader Iron Works, 1247 Harrison St., San Francisco, at $156.
Bids on tile and brick, structural steel, gas heaters, cement, aggregate, hardware, plaster materials, roofing materials, electric and plumbing and sheet metal materials held under advisement for a few days.

LOW BIDDERS

COMPTON, Los Angeles Co., Cal.—Bannister-Field Co. and Fred E. Potts 4101 Goodwin Ave., Los Angeles, submitted low bid on general contract to Board of Public Building Reconstruction at $294,940 for the construction of new 2-story concrete administration and auditorium building (190x225-ft.) at the Compton Junior College site. Low bidders on other contracts were: Allen Black & Son, 5063 Hollywood Blvd., Los Angeles, on the heating and ventilating at $25,557; J. Hokum Co., 4312 S. Broadway, Los Angeles, on the plumbing at $12,139, and Barker-Allen Electric Co., 1607 Cahuenga Blvd., Los Angeles, on the electric wiring at $29,375. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

COMMISSIONED TO PREPARE PLANS

SOUTH PASADENA, Calif.—Architects Marsh, Smith & Powell, 816 W. Fifth St., Los Angeles, commissioned by South Pasadena board of education to prepare working drawings for reconstruction work at the South Pasadena high school. Work will include: Shop building, estimated cost $25,000; fine arts and music building, $34,000; science and household economy building, $34,000; removal of the third story of the main building and strengthening, $25,000; strengthening of the auditorium building, $27,000 to $35,000; demolition of buildings and incidental fees, $18,000. The funds for the work are available from a $180,000 balance on hand at the close of the past year made possible by special permission of the State Board of Equalization. Cost, $163,000. 5

Bids Wanted

SCHOOL Cost, $48,000
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner—Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Low Bidder—Campbell Constr. Co., 800 R St., Sacramento.
Complete bids follow:

Campbell Constr. Co., Sacto.		$48,627
	(1)	470
	(2)	600
	(3)	50
	(4)	400
	(5)	50
Fred Betz, Sacramento		$50,800
	(1)	325
	(2)	330
	(3)	50
	(4)	538
	(5)	87
W. C. Keating, Sacramento		$50,850
	(1)	375
	(2)	573
	(3)	50
	(4)	538
	(5)	87
C. J. Hopkinson, Sacto.		$50,996
	(1)	266
	(2)	578
	(3)	50
	(4)	538
	(5)	87
Petersen & Steinbrenner, Sac.		$51,966
	(1)	400
	(2)	225
	(3)	50
	(4)	538
	(5)	87
Wilke & Tropper, Roseville		$53,295
	(1)	500
	(2)	573
	(3)	150
	(4)	328
	(5)	61
N. H. Sjoberg & Son, S. F.		$55,775
	(1)	550
	(2)	550
	(3)	150
	(4)	329
	(5)	62

Contract will be awarded upon approval of PWA.

CONTRACT AWARDED

LONG BEACH, Los Angeles Co., Cal.—Person & Thiele Co., 6208 San Vincente Blvd., Los Angeles, awarded contract at $135,800 by Long Beach Board of Education fo reconstructing, rehabilitating and strengthening of the auditorium building at the Polytechnic High School, Long Beach. Hugh R. Davies, 430 E. Ocean Ave., Long Beach, architect and Lawrence J. Waller, 600 Kress Bldg., Long Beach, structural engineer.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 8, 11:30 A. M., bids will be received by Los Angeles Board of Education Purchasing Bureau, 1425 S. San Pedro St. for reconstructing, rehabilitating and strengthening auditorium and classroom annex at Polytechnic High School site, 400 W. Washington Blvd. A. C. Martin, 228 Higgins Bldg., architect, and Holmes & Narver, 639 S. Spring St., structural engineers. Cost $107,651.

PLANNED

REDONDO BEACH, Lost Angeles Co., Cal.—Redondo Union High School District will probably retain an architect within a few days to prepare plans for improvements to Redondo High School buildings. Proposed work will include a two-story dressing room unit to be added to the auditorium and interior changes to the structure; also strengthening foundations of the administration and boys' gymnasium buildings. Cost, $60,000.

LOW BIDDERS

SEAL BEACH, Orange Co., Calif.—Bettenson Const. Co., 1950 Pacific Ave. Long Beach, submitted low general contract bid to Board of Public Reconstruction at $53,440, for construction of a new school building on Seal Beach elementary school site. Other low bids were: B. K. Stoneman, 130 E. 81st St., Los Angeles, heating and ventilating at $4400; Allan Black and Son, 5063 Hollywood Blvd., Los Angeles, plumbing at $3800; Barker-Allen Electric Co., 1607 Cahuenga Avenue, Los Angeles, electric wiring at $5197.-34. Marsh, Smith & Powell, architects 516 Architects' Bldg., Los Angeles.

BONDS DEFEATED

SAN BERNARDINO, Cal.—San Bernardino Valley Junior College District defeated a $268,000 bond issue October 19, proceeds from which were to have been used, with a government grant of $105,000, for the construction of three junior college buildings. G. S. Wilson, Riverside, E. Chas. Parke, Colton, and Howard E. Jones, San Bernardino, architects.

BIDS WANTED

LONG BEACH, Cal.—Until Nov. 2, 4 P. M., bids will be received by the Long Beach board of education for the construction of a frame and stucco chemistry and physics units at the Long Beach junior college site located on Carson St. and Clark Ave., Long Beach. Kirtland Cutter, Farmers and Merchants Bank Bldg., Long Beach, architect, and J. H. Davies and C. D. Wailes, Jr., Ocean Center Bldg., Long Beach, structural engineers.

CONTRACT AWARDED

WHITTIER, Los Angeles Co., Cal. —Roy Ware, 720 S. Painter Avenue, Whittier, has been awarded contract by Whittier Union High School Dist. at $45,882, for reconstruction of the boys' gymnasium building at Whittier High School, R. L. Warren, 119 Emporium Bldg., Whittier, architect.

BIDS WANTED

FRESNO, Cal.—Until Nov. 7, 8 P. M., bids will be received by W. H. Spillers, Principal, Central Union High School, Fresno, for building materials and plumbing supplies for a boy's shower room at the Central Union High School. Specifications may be obtained from above office.

PROSPECTIVE BIDDER

SALINAS, Monterey Co., Cal.—W. E. Greene, P. O. Box 595 has procured plans for the purpose of submitting a bid to the Salinas Union High School District on October 25, for the construction of a one-story shop building at the Salinas Union High School. Chas. Butner, Salinas, architect.

PROSPECTIVE BIDDER

LOWER LAKE, Lake Co., Cal. — Robert J. Whiting, 624 Spencer Ave., Santa Rosa, has procured plans for the purpose of submitting a bid to the Lower Lake School District on October 29 for the construction of the brick grammar school at Lower Lake. John I. Easterly, Healdsburg, architect.

Plans Being Prepared

BUILDING Cost, $——
SANTA ROSA, Sonoma Co., Calif. Junior College premises.
One - story frame and brick veneer student's building (30x50 ft.; tile roof).
Owner—Santa Rosa Junior College (F. P. aBiley, Dean) Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Prospective Bidders.

SCHOOL Cost, $14,000
WILLIAMS, Colusa Co., Cal.
Reconstruction of auditorium of the Williams School.
Owner—Williams Union Elementary School District (Ralph F. Fouch, Clerk).
Architect—Starke & Flanders, Forum Bldg., Sacramento.
Following have procured plans. Bids open October 27, 7:30 P. M.:
J. M. Yono, 3149 4th Ave., Sacramento.
C. J. Hopkinson, 1810 28th St., Sacramento.
Chas. F. Unger, 4532 T St., Sacramento.
Peterson & Steinbrenner, Sacramento.
George W. Kopp, 1514 15th St., Sacramento.
J. P. Brennan, Redding.
Louis C. Dunn, Monadnock Bldg., San Francisco.
Plans and specifications may be obtained from the architects and from the Clerk of the School District, Williams, Calif.

To Ask Bids.

SCHOOL Cost. $100,000
BAKER, Oregon.
Two-story brick Junior High School.
Owner—Baker School District.
Architect—Wallace Landreth, Baker, and Lee Thomas, Associate, Weatherly Bldg., Portland.

Low Bidder

SCHOOL Cost, $30,000
PORTOLA, Plumas County, Calif.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School Dist.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Low Bidder—Young and Horstmeyer, 461 Market St., San Francisco.
Complete bids will be given shortly.

General Contract Awarded

SCHOOL ANNEX Cost, $75,000
SOUTH SAN FRANCISCO, San Mateo County, Calif.
One - story reinforced concrete high school annex (six classrooms and assembly hall).
Owner—South San Francisco High School District.
Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.
Contractor—Einar C. Petersen, 1290 Hayes St., San Francisco, $31,415.
Other awards reported Sept. 25.

BONDS VOTED

FLAGSTAFF, Arizona — Flagstaff School District las week affirmed a $30,000 bond issue to cover the district's share of a $50,000 Public Works Administration loan and grant for a new elementary school building to be erected in Flagstaff.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 13, 11:30 A. M., bids will be received by the Los Angeles Board of Education, 1425 S. San Pedro St., for reconstructing, strengthening and rehabilitating of the main building at the Leland Street School, 2112 Leland St., San Pedro. M. L. Barker and G. Lawrence Ott, 346½ S. La Brea Ave. Lots Angeles, architects. J. Waller, 4350 Beverly Blvd., Los Angeles, structural engineer. Cost, $79,032.

LOW BIDDER

WHITTIER, Los Angeles Co., Cal.—J. H. Linkletter, 107 W. Bailey St., Whittier, submitted low bids to the Whittier Union High School District for reconstruction of boys' gymnasium building at Whittier high school. R. L. Warren, 119 Emporium Building, Whittier, architect.

BIDS WANTED

LONG BEACH, Los Angeles, Cal. —Long Beach Board of Education has set November 7 as a tentative date to receive bids for the construction of the Robert Louis Stevenson School. Aaron Smith, 3716 Lemon Ave., Long Beach, architect.

16—BANKS, STORES AND OFFICES

Contract Awarded.

ALTERATIONS Cost, $——
BERKELEY, Alameda Co., Cal. No. 2250 Telegraph Avenue.
Alterations to store building (new front, plate glass, tile, etc.)
Owner—University of California.
Architect—Not Given.
Contractor—S. J. Bertelsen, 90 Estrella Ave., Piedmont.

Contract Awarded

ALTERATIONS Cost, $4000
BURLINGAME, San Mateo Co., Cal. 1464 Burlingame Avenue.
Alterations to store building.
Owner—Raymond M. Wurlitzer, 1050 Vista Road, Hillsborough.
Architect—Not Given.
Contractor—Lloyd C. Simpson, 1422 Bellevue Ave., Burlingame.

To Be Done By Day's Work.

CAFE Cost, $2500
REDWOOD CITY, San Mateo Co., Cal. 729 El Camino Real.
Steel cafe building.
Owner and Builder—E. A. Thorsen, Chesham Ave., San Carlos.
Architect—Not Given.

To Be Done By Day's Work.

ALTERATIONS Cost, $1500
BURLINGAME, San Mateo Co., Cal. 1116 Burlingame Avenue.
Alterations to store building.
Owner and Builder—H. F. McDonald, Premises.
Architect—Not Given.

Construction Under Way.

ALTERATIONS Cost,$——
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
Alterations to store (add three stores) reinforced concrete construction.
Owner—A. Wurlitzer.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor — Lloyd Simpson, 841 Hayne Road, Burlingame.

To Be Done By Day's Work

ALTERATIONS Cost, $1500
SAN FRANCISCO. 1159 Harvard St.
Alterations to offices and storage bldg.
Owner—Henry Wagreich, 225 Cervantes Boulevard.
Engineer—A. C. Griewank, % owner.

PRELIMINARY PLANS PREPARED

SANTA BARBARA, Cal.—Edwards & Plunkett, 20 E. Figueroa St., Santa Barbara, have prepared preliminary plans for a proposed SERA administration building to be erected on county property on East Anapamu St., Santa Barbara. It will be a reinforced concrete structure with wood interior and is estimated to cost $100,000.

To Be Done By Day's Work

ALTERATIONS Cost, $1500
SAN FRANCISCO. Rear of 65 Market Street.
Alterations to stores and offices.
Owner—Southern Pacific Railroad Co., 65 Market Street.
Plans by Engineering Dept. of Owner (J. H. Christie, 65 Market Street, chief engineer).

BIDS WANTED

SAN FRANCISCO—Until October 31 1:45 P. M., informal bids will be received by Department of Public

Works, City Hall, for construction of a telephone booth in the Mayor's Office, City Hall. Plans and specifications obtainable from C. H. Sawyer, City Architect, Room 26, City Hall.

Contract Awarded

ADDITIONS Cost, $2,000
BERKELEY, Alameda Co., Calif. 2227 Telegraph Avenue.
Addition to building.
Owner—R. M. Jewett, 2013 McGee St., Berkeley.
Architect—Not Given.
Contractor—L. R. McWethy, 198 Mt. View Ave., Berkeley.

Planned

OFFICE BLDG. Cost, $14,300
SANTA CRUZ, Santa Cruz Co., Calif.
Two-story county office building (face brick).
Owner—County of Santa Cruz.
Architect—Not Given.
County Board of Supervisors will make application to SERA for the construction of the proposed building.

Bids Opened.

ADDITION Cost, $7970
SACRAMENTO, Sacramento Co., Cal. 28th and Y Streets.
Frame and stucco addition to market (60x80 feet).
Owner—Albert Smith.
Architect — George Sellon, California State Life Bldg., Sacramento.
Low Bidder—E. A. Corum, 2665 Donner St., Sacramento.
Complete bids follow:

E. A. Corum	$7970
C. J. Hopkinson	7995
J. M. Yoho	7999
H. W. Robertson	8449
W. E. Truesdale	8979

All bidders of Sacramento. Bids held under advisement.

Contract Awarded.

ALTERATIONS Cont. Price, $6250
OAKLAND, Alameda Co., Cal. 19th and Franklin Streets.
Alterations and additions to medical building (changes to lobby and entrance).
Owner—Oakland Medical Bldg. Corp.
Architect — Albert Schroepfer, 681 Market St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco.

Plans Completed.

STORE Cost, $5000
BURLINGAME, San Mateo Co., Cal.
One-story reinforced concrete store building (3 stores).
Owner—Withheld.
Architect — W. C. Gillman, 1470 Broadway, Burlingame.
Mgr. of Constr.—Roy Allen, Skyline Blvd., Woodside.

Contract Awarded.

ALTERATIONS, ETC. Cost, $3000
SAN FRANCISCO. Market Street near Fourth (Pacific Bldg.)
Modernization of front of Pacific Building.
Owner—Pacific Company.
Architect—Not Given.
Contractor—MacGruer & Co., 266 Tehama St., San Francisco.

17— THEATRES

Planned.

ALTERATIONS Cost, $——
YUBA CITY, Sutter Co., Cal.
Alterations to theatre (new sound equipment, decoratinfg, reconditioning projectors, etc.)
Owner—Smiths Theatre, (Ed. Benham, Manager), Yuba City.
Architect—Not Given.

Sketches Awaiting Approval.

THEATRE AND MEMORIAL Cost, $500,000
PALO ALTO, Santa Clara Co., Cal. Campus of Stanford University.
Combined war memorial and theatre (theatre to have a seating capacity of 1000, rehearsal room, studio and library, etc.)
Owner—Stanford University.
Architect—John Bakewell and Arthur Brown Jr., Associated, 251 Kearny

Plumbing Contract Awarded

THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Calif.
One-story and balcony reinf. concrete theatre building (to seat 850) tar and gravel roof, air conditioning system, etc.
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—Salih Brothers, 25 Taylor St., San Francisco.
Plumbing—Vic. Bertoli, 613 Willow St. Susanville.
As peviously reported, lumber contract awarded to Lassen Lumber Co., Susanville; reinforcing steel to Soule Steel Co., 1750 Army St., San Francisco; cement to Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco; roofing to Pioneer Roofing Co., Susanville.

18— WHARVES & DOCKS

TO PURCHASE MATERIALS

OAKLAND, Cal.—City of Oakland Port Commission, Oakland, will purchase materials in the open market for construction of a mezzanine floor in Terminal Building "E", Outer Harbor, Oakland. Work involves approximately 4100 sq. ft. of floor space at the south end of the Pier. Following bids were received for structural steel girders for the work:

Judson-Pacific Co., Foot of Park Ave., Oakland	$ 698
Herrick Iron Works, Oakland	742
Independent Iron Works, Oakland	907
Moore Dry Dock Co., Oakland	1132

19—MISC. CONSTRUCTION

CONTRACT AWARDED

SAN DIEGO, Cal.—E. C. Nickel, 912 Micheltorena St., Los Angeles, at $9,786 awarded contract by the Navy Department, Washington, D. C., for furnishing motor generator set and electrical connections to dry dock at the Naval Operating Base (Destroyer Base), San Diego, under Spec. No. 7810.

BIDS WANTED

SACRAMENTO, Cal.—Until November 1, 3 P. M., bids will be received by the U. S. Engineer Office, 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. No. 6786 for drydocking, painting, and repairing the U. S. Engineer Department 20-in. pipeline dredge "Sacramento."

CONTRACT AWARDED

PORTLAND, Oregon—Commercial Iron Works, 412 S. E. Stephens Street, Portland, at $15,530 awarded contract by the U. S. Engineer Office, Portland, under Bid No. 35-107, for constructing 2 self-propelling anchor barges and delivering them afloat on the Willamette River at Government Moorings, No. 8010 N. W. St. Helens Road, Portland.

PLANNED

TAFT, Kern Co., Cal. — K. Kelso Kidd, 1617 19th St., Bakersfield, contemplates erecting a 100-watt power radio broadcasting station in Taft. (5438)

Contract Awarded.

MARQUEE Cost, $1200
SAN FRANCISCO. No. 301 Embarcadero.
Construct marquee.
Owner—Wellman Peck Co., Premises.
Architects & Engineers—J. E. Krafft & Sons, Phelan Bldg., S. F.
Contractor—Einar C. Petersen, 1290 Hayes St., San Francisco.

BIDS OPENED

GLENN COUNTY, Cal. — M. A. Jenkins, 3560 Y Str., Sacramento, at $14,340 submitted low bid to the Board of Directors of the Glenn-Colusa Irrigation District, Willows, for the construction of a fish screen in the intake of the pumping plant of the District near Hamilton City, Glenn County.

A. Soda & Son, Oakland, at $14,667 submitted the only other bid on the screen.

The Link-Belt Co., 400 Paul Ave., San Francisco, at $3800 submitted the only bid on the fish screen cleaner.

Bids held under advisement until October 25. Frank S. Robinson, Chico, Engineer.

FUNDS ALLOTTED

SANTA CRUZ COUNTY, Cal.—Federal Public Works Administration has allotted $200,000 to the Soil Erosion Service to be used in protective work on agricultural lands in the vicinity of Watsonville and Salinas. Harry E. Reddick, Chief Engineer.

Contract Awarded

HOUSE Cost, $1850
TURLOCK, Stanislaus Co., Cal. Williams Avenue.
One-story frame ditchtender's house.
Owner—Turlock Irrigation District.
Architect—Not Given.
Contractor — J. E. Soderstrom, Turlock.
Complete bids follow:

J. E. Soderstrom	$1,850
Niel & Wirtner	1,864
Anderson & Torrell	1,906
Wallstrom & Ahlberg	1,925
H. A. Bubbard	1,934

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED

OAKLAND, Cal.—Mileage Gasoline Co., 354 Hobart St., Oakland, at $7000 awarded contract by the East Bay Municipal Utility District, John H. Kimball, Secretary, Oakland, for furnishing 60,000 gals. of gasoline under Proposal No. 557.

CONTRACT AWARDED

OAKLAND, Cal. — National Cast Iron Pipe Co., 571 Mission St., San Francisco, (W. F. Dixon), at $32,175 awarded contract by the East Bay Municipal Utility District, John H. Kimball, Secretary, for furnishing cast iron pipe under Spec. No. L. S. 131.

CONTRACT AWARDED

EUREKA, Cal.—B. F. Goodrich Co., 355 Brannan St., San Francisco, at $1.20 per ft. awarded contract by the Eureka City Council for furnishing 1050 ft. of 2½-in. White King type fire hose.

TO ASK BIDS

LOS ANGELES, Cal.—The Board of Directors of the Metropolitan Water District, October 19, authorized F. E. Weymouth, general manager and chief engineer, to advertise for bids for 5,000,000 barrels of Portland cement, of standard specifications with certain modifications, with option to decrease the order by 20%. The new specifications will be No. 79.

Bids were also authorized on 800,000 barrels under Spec. No. 80, for immediate use.

Formal calls for bids will be issued shortly.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until October 29, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

BID 1342: Delivery f.o.b. Phoenix, Arizona, (1) 520 80 - rod spools Glidden 2-point barbed cattle wire, galvanized, 12½ gauge strands; 4 ga. barbs, ⅞-in. long.

BID 1343: Delivery f. o. b. bidder's shipping point and/or Lemon Cove: (1) 5760 sq. ft. reinforcing wire., galv., 14 gauge, 4-in. mesh, 6-in. wide.

BID 1344: Delivery f.o.b. bidder's shipping point and/or Magalia: (1) 27,665 bd. ft. of select structural grade Douglas Fir for Big Butte Creek Bridge.

BID 1345: Deliverd f. o. b. bidder's shipping point and/or Kentucky House: (1) 37,521 bd. ft. select select structural grade Douglas Fir for North Fork Calaveras River Bridge.

Specifications obtainable from above office.

BERKELEY, Cal.—Until October 31, 2 P. M., bids will be received by F. L. Conner, Acting Director, U. S. Forest Service Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing the following:

(1) 4 cattle and horse troughs, 16 ft. long, 20 gauge, 400 gal. capacity.
(2) 2 cattle and horse troughs, 8 ft. long, galvanized iron, 20 gauge, 200 gal. capacity.
(3) 25 sheep troughs (consisting of 3 ft. sections) 22.9-in. diam., 11.4-in. deep, 20 gauge galv. rust-resisting pure iron.

Specifications obtainable from above office. Delivery f.o.b. Hall's Flat Ranch Station, U. S. Forest Service, Susanville.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until November 14 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing transmission line hardware of overhead conductors for use on the Boulder Dam power transmission line:

(1) 6372 clevis type fittings for red connection angles or standard suspension.
(2) 1407 clevis fittings for plate connections, angle or standard suspension.
(3) 7530 upper arcing horns, standard suspension insulators;
(4) 249 upper arcing horns, angle suspension insulators;
(5) 7779 lower arcing horns, angle and standard suspension insulators.
(6) 2112 upper arcing horns, strain insulators.
(7) 2112 lower arcing horns, strain insulators.
(8) 2112 upper strain yokes.
(9) 2112 lower strain yokes.
(10) 2112 right angle double clevis strain insulators.
(11) 2112 extension link strain insulators.

Specifications No. 1545.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Oct. 31, 12 noon bids will be received by G. M. Betterton, Purchasing Agent, Southern Pacific Railroad Company, 65 Market St., for large Mazda incandescent lamps and miniature Mazda incandescent electric lamps which will approximate $50,000 per year and a maximum of $100,000 per year. Materials to be delivered during the one year in quantities as ordered bidders to show fob points. Terms of payment to be net cash with 30 days from date of invoice.

Specifications are on file in above office and may be inspected by those interested. Bids will be received at 12 noon October 31 and opened at 2 P. M.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Nov. 9, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing lead covered cable, fob cars or trucks, 257 E. Third St., under Spec. No. 1537, as follows:

(1) 11,225 ft. 500,000 CM., 5000 volt, 3 conductor, lead covered, paper insulated cable, delivery to be made in 30 days from date of award.
(2) Same, delivery in 45 days from date of award.
(3) Same, delivery in 60 days.
(4) Same, delivery in 75 days.
(5) 6,000 ft. No. 2/0 AWG, 5000 volt, 3 conductor, lead covered, paper insulated cable.
(6) 4,500 ft. No. 6 AWG do;
(7) 2,500 ft. No. 6 AWG, 500 volt, one conductor, do;
(8) 10,000 ft. 500,000 CM, 600 volt do;
(9) 30,000 ft. No. 4/0 AWG do;
(10) 26,000 ft. No. 1/0 AWG do;
11) 30,000 ft. No. 4 AWG do;
(12) 20,000 ft. No. 6 AWG, do.

Items 5 to 9 inclusive, delivery 90 days from date of award.

Specifications obtainable from above office.

LOS ANGELES, Cal.—Until Oct. 29, 2 P. M., bids will be received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Rm. 740, 207 S. Broadway, for furnishing 144,000 bd. ft. No. 2 rough Douglas fir lumber (No. 1 mining) 6x6-in. x 4-ft. long or in any multiple of 4-ft. up to and including 20-ft., for the Department's Mono Basin Project, Mono Co., under Spec. No. 1544, as follows:

(a) fob cars, bidder's mill;
(b) fob cars or Dept.'s trucks Los Angeles Harbor;
(c) fob cars Lone Pine;
(d) fob cars Laws ;
(3) fob Dept.'s Mono Basin camp site in quantities as follows:

West Portal Camp, 48,000 bd. ft.;
East Portal Camp, 48,000 ft.;
Shaft No. 1 Camp, 24,000 bd. ft.;
Shaft No. 2 Camp, 24,000 bd. ft.

SANTA CLARA COUNTY

SANTA CLARA COUNTY, Calif.—Until October 29, 11 A. M., bids will be received by the Santa Clara County Clerk, Court House, San Jose, for the Board of Supervisors, Henry A. Pfister sale of the following articles: one Austin gyratory crusher No. 3 mounted & powered; 1 3½-ton White truck with 1,000-gal. tank and sprinkler equipped for road sprinking; one winch and dragline; one drag line bucket; one 20-hp. motor and starter; one 8-hp. vertical cylinder gas engine mounted on 4-wheel truck.

The above articles may be inspected at 345 Oak St., Mountain View.

Also one 60-hp. Best tractor which can be seen at the San Jose Tractor Company.

U. S. INDIAN SERVICE

ALBUQUERQUE, N. M.—Until November 5, 4 P. M., bids will be received by the Indian Irigation Service, Albuquerque Indian Sanatorium, P. O. Box 1344, Albuquerque, for furnishing 200 bbls of Portland cement in non-returnable paper bags.

Specifications obtainable from above office. Dr. A. J. Wheeler, Superintendent.

PLACER COUNTY

LINCOLN, Placer Co., Calif.—Until November 5, 7 P. M., bids will be received by the Governing Board of the Lincoln Union Grammar School, Violet M. Tupper, Clerk, for furnishing one 42-passenger school bus or one 48-passenger school bus.

NAVY DEPARTMENT

WASHINGTON, D. C. — Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment as follows:

MACHINES, 34 motor-driven drilling machines and spares; East and West Yards. Sch. 3479; Oct. 30.
NAILS, steel wire; East and West Yards. Sch. 3529; October 30.
FANS, apprixomately 1200 electric fans; East and West Yards. Sch. 3545; October 30.
SOCKETS, 1300 incandescent lamp Mare Island; 1500 do; Puget Sound, Mare Island; 7500 do, Pugt Sound. Sch. 3552; October 30.
LUMBER, white oak; East and West Yards. Sch. 3565; October 30.
GRAPHITE, 3600 lbs. lubricating graphite, San Diego and Puget Sound; 2800 lbs. do, Mare Island. Sch. 3568; October 30.
INSULATING MATERIAL; East and West Yards. Sch. 3597; Nov. 6.
OIL, soluble cutting oil, mineral lard oil, and pure lard oil, paraffin wax and petroleum; East and West Yards. Sch. 3591; Nov. 6.
FIBER, insulating; East and West Yards. Sch. 3604; Nov. 6.

Specifications obtainable from above office.

U. S. PUBLIC ROADS

SAN FRANCISCO.—Until Oct. 30, 2 P. M., bids will be received by Bureau of Public Roads, 807 Sheldon Bldg., 461 Market Street, for the rental of one 220 cu. ft. per minute air compressor, for a period of approximately six months, starting November 5.

The compressor is to be used on the Bureau of Public Roads project approximately 30 miles west of Willows on the Alder Springs-Covelo Road.

Bid forms obtainable from the above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excavs.
23.—Irrigation Proj.
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25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

WALLOWA COUNTY, Ore. — Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 5.96 miles grading and construction of two reinforced concrete bridges on the Hayden Gulch - West Forest Boundary Sect. of Little Sheep Creek Secondary Highway; U.S.P.W. Project NRS 238. The work requires approximately 134,000 c.y. excavation, 100 c.y. concrete, 15,000 lbs. metal reinforcement, and 100 l.f. concrete hand rail.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

COOS COUNTY, Ore.—Until Nov. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for the construction of a concrete bridge over the S. P. Ry. tracks at North Bend; U.S.P.W. Project NRM 142-E. The work requires approximately 430 c.y. excavation, 495 c.y. concrete, 87,000 pounds metal reinforcement, and 342 l.f. concrete handrail.

Plans and specifications obtainable from the State Highway Engineer, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

BAKER COUNTY, Oregon. — Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for the construction of a bridge over Burnt River and approaches thereto on Baker-Unity Highway near Unity; U. S. P. W. Project NRS 235-A. The work involves approximately 70 c.y. excavation, 128 c.y. concrete, 20,000 lbs. metal reinforcement, 9 MFBM of treated lumber, 46,000 lbs. structural steel, 208 l.f. composite handrail, 1,500 c.y. embankment in place, 300 c.y. of selected roadbed topping, and 120 c.y. crushed rock surfacing.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid 1309, for furnishing one 84-ft. structural steel truss span, complete, with all steel bolts for field connections, etc., fob bidder's shipping point:

Moore Dry Dock Co., Oakland	$ 998
Herrick Iron Works, Oakland	840
Judson Pacific Co., Oakland	983
Golden Gate Iron Works, S. F.	900
Palm Iron Works, Sacramento	848
Pacific Coast Steel Co., Alameda	925
Dyer Bros. Golden West Iron Works, San Francisco	1,012
Independent Iron Works, Oakland	725

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

MARYSVILLE, Yuba Co., Calif. — Harms Bros., 5220 21st Ave., Sacramento, at $16,240 awarded contract by the U. S. Engineer Office, Sacramento, for the raising and strengthening of existing levees along Feather and Yuba rivers, near Marysville. About 4,000 c.y. earth embankment are required on the Yuba river and 78,000 on the Feather river.

CONTRACT AWARDED

SACRAMENTO, Calif.—Blake Bros. Co., 204 Balboa Bldg., San Francisco, at $38,280 awarded contract by the U. S. Engineer Office, Sacramento, under Spec. No. 6718, for furnishing, delivering and carefully placing approximately 24,000 tons of Class A or Class B riprap stone along the banks of the Sacramento river at various points between the mouth of Cache Slough and Collinsville.

BIDS OPENED

SAN DIEGO, Cal.—Standard Dredging Co., 325 Central Bldg., Los Angeles, at 15.4c per c.y., awarded low bid to the San Diego Harbor Commission, Oct. 18, and will be awarded contract at $61,600 for dredging a yacht basin at the foot of Talbot St., and a connecting channel leading to a point near Beacon No. 5 in the Bay of San Diego, and depositing of the dredged material on designated areas.

Sparkes & McClellan, Newport Beach at 18.5c per yard, submitted the only other bid.

BIDS OPENED

SAN DIEGO, Cal.—Sparkes & McClellan, 23rd and Central, Newport Beach, at $16,800 submitted low bid to the San Diego Harbor Commission, October 18, and will be awarded contract for dredging the area adjacent to the U. S. Bulkhead line from the Benson Lumber Company's pier to approximately 200 ft. beyond the Richfield Oil Co.'s pier in San Diego Bay, and depositing the dredged material in solid fill upon designated adjacent areas.

Frank Doran, San Diego, submitted the only other bid at 31.6c per yard.

CAPITAL CITY TITLE COMPANY

J. C. PALEN, *Manager*

914 Seventh Street

Sacramento :: California

BIDS OPENED

SAN DIEGO, Cal.—Hull, Smale and Ramage, Inc., Wilmington, at $1470 submitted low bid to the Public Works Office, Naval Operating Base, San Diego, under Spec. No. 7818, for repair to Mooring A-1 at Los Angeles Harbor, San Pedro, and bids have been forwarded to the Bureau of Yards & Docks, Washington, D. C., with the recommendation that award be made to the low bidder. The other bids were:

Merritt-Chapman & Scott Corp., San Pedro, $1990.00.

San Francisco Bridge Co., San Francisco, $2800.00.

Puget Sound Bridge & Dredging Co., Long Beach, $4800.00. ?

BIDS WANTED

ASTORIA, Oregon.—Until Oct. 30, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-241, for furnishing and placing stone in revetment along the south side of the existing track on Sand Island and connecting with the east end of the existing revetment east of Dike No. 111-2, in the Columbia river, about 10 miles below Astoria.

The work requires approximately 2,800 c.y. of stone in place.

Plans and specifications obtainable from the above office. ?

ALLOTTMENT RESCINDED

SAN MATEO COUNTY, Cal.—Federal Public Works Administration has rescinded a loan and grant of $403,000 to San Mateo County Harbor District for port development at Redwood City due to failure of the district to vote a bond issue to finance the work in part. ?

BIDS WANTED

MARYSVILLE, Cal.—Until October 30, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208, Post Office Bldg., Sacramento, under Spec. No. 6819, for constructing and repairing retards along the southerly bank of the Yuba River from about 3 to 5 miles upstream from "D" Street Bridge at Marysville. The construction involves:

(1) Building one new retard at Rubke Bend, consisting of about 72 lin. ft. of steel section and 50 lin. ft. of bankhead;
(2) Replacing an old bankhead on retard about 50 ft. in length at Rubke Bend;
(3) Replacing an old bankhead on retard about 60 ft. in length at Power line crossing;
(4) Brushing about 60 ft. of an old retard at Rubke Bend.

The work involves:

(1) 160 lin. ft. bankhead in place;
(2) 750 lin. ft. 3½-in. by 3½-in. by ½-in. angle bar in place in retard sections;
(3) 78 lin. ft. log foundation in place;
(4) 135 lin. ft. brush filling in place in steel sections;
(5) 13,000 lin. ft. ½-in. diameter cables in place;
(6) 11,000 lin. ft. ¾-in. diameter cables in place;
(7) 6000 lin. ft. ⅝-in. diameter cables in place;

(8) 200 ½-in. cable clamps in place;
(9) 100 ¾-in. cable clamps in place;
(10) 100 ⅝-in. cable clamps in place;
(11) 900 lbs. 5-in. staples in place.

Plans and specifications obtainable from above office. *

BIDS WANTED

SEATTLE, Wash.—Until November 15, 3 P. M., bids will be received by Col. C. L. Sturdevant, U. S. District Engineer, Seattle, for dredging the Duwamish Waterway, involving the removal of 640,000 cu. yds. of materials of pipe line dredging. Estimated cost, $100,000.

Bids also will be received by Col. C. L. Sturdevant, on the same date, for removal of 27,500 cu. yds. of materials from the East Waterway. Estimated cost, $10,000.

Specifications obtainable from above office. *

BID OPENING POSTPONED

NEWPORT BAY, Cal.—Until Nov. 13, 3 P. M., bids will be received by the U. S. Engineer Office, 751 South Figueroa St., Los Angeles, for dredging and rock removal in Newport Bay.

The date of opening was changed from November 12, previously reported, on account of Armistice Day which will be observed November 12.

23— IRRIGATION PROJ.

LOW BIDDERS

EPHRAIM, Utan.—W. W. Clyde & Co., Springville, Utah, at $173,380 submitted low bid to the Bureau of Reclamation, Salt Lake City, October 18, for the construction of the Ephraim Tunnel near Ephraim, under Spec. No. 587.

Ryberg Bros., Salt Lake City, at $177,855 submitted second low bid.

25—MACHINERY AND EQUIPMENT

PROSPECTIVE BIDDERS

LUALUALEI, T. H.—Following are additional plan-holders for the construction of motor and hand-operated winches for antennas at the Naval Radio Station, Lualualei, T. H., under Spec. No. 7801, for which bids will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 28, 11 A. M., as previously reported:

Lidgerwood Mfg. Co., Elizabeth, New Jersey.

Dobbie Foundry & Machine Co. Niagra Falls, New York.

McKiernan-Terry Corp., 15 Park Ave., New York City.

Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.

Buchner-Mitchell, Inc., 132 W. 24th St., New York City.

American Factors, Matson Bldg., San Francisco.

Edward R. Bacon Co., 17th and Folsom Sts., San Francisco.

Farnsworth Electrical Works, 549 Mission St., San Francisco.

Plans and specifications obtainable from above office and from the Commandant, 12th Naval District, 100 Harrison St., San Francisco, and from the Commandant, 14th Naval District, Pearl Harbor, T. H., upon deposit of $10. Estimated cost, $25,000.

PROSPECTIVE BIDDERS

SUMMIT, CANAL ZONE—Following are additional plan-holders for the construction of motor and hand-operated winches for antennas at the Naval Radio Station, Summit, Canal Zone, under Spec. No. 7800, for which bids will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 28, 11 A. M., as previously reported:

Westinghouse Electric Co., Washington Bldg., Washington, D. C.

Dobbie Foundry & Machine Co., Niaga Falls, New York.

McKiernan-Terry Corp, 15 Park Ave., New York City.

Lidgerwood Mfg. Co., Elizabeth, New Jersey.

Bruchner-Mitchell, Inc., 132 W. 24th St., New York City.

Silent Hoist Winch & Crane Co., 762 Henry St., Brooklyn, New York.

Plans and specifications obtainable from above office and from the Commandant, 15th Naval District, Balboa, Canal Zone, upon deposit of $10. Estimated cost $20,000. *

CONTRACT AWARDED

OAKLAND, Cal.—Fageol Truck & Coach Co., Hollywood and 107th Ave., Oakland, at $3526 net, awarded contract by the East Bay Municipal Utility District, John H. Kimball, Secretary, Oakland, for furnishing one motor truck chassis, 25,000 lb. capacity, under Proposal No. 558.

CONTRACT AWARDED

LOS ANGELES, Cal.—Brown-Bevis Equip. Co., Los Angeles, was awarded contract by the Metropolitan Water District Oct. 19, for furnishing equipment for mixing and placing concrete in tunnel lining in 16-ft. tunnel under Spec. No. 73. The award was made as follows: Item (2) $14,286 (with freight, $15,644); (2a) additional boxes 6 to 36, first six at $50 each, other 30 at $48 each; (2b) additional plant complete, $13,786 (with freight $15,144); (2c) additional boxes, 6 to 36, at $48 each.

CONTRACT AWARDED

LOS ANGELES, Cal.—Smith Booth Usher Co., Los Angeles, awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, October 20, at $4520 for weigh batchers, f.o.b. India and/or Garnett, for delivery to Wide Canyon Camp, Bid No. 28477. The other bids were: Bodincon Mfg. Co., $7725; Roads Construction Co., Ltd., $6475; Blaw-Knox & Western Pipe Corp., $5770; Brown-Bevis Equipment Co., $4650; Fuller Co. (partial bid), $3925; Garlinghouse Bros. (partial bid), $1937.95.

CONTRACT AWARDED

LOS ANGELES, Cal.—Pacific Iron & Steel Co. was awarded the contract by Saul A. Joseph, Purchasing Agent of the Metropolitan Water District, October 23, at $3831.30, for furnishing concrete aggregate plant equipment under Bid No. 28614. The other bids were:

Madsen Iron Works, ...6929.26.
Minneapolis-Moline Power Implement Co., $6000.
Standard Steel Works, $5816.30.
Consolidated Steel Corp., Ltd., $5,472.
Southwest Welding & Manufacturing Co., $3988.28.
Western Pipe & Steel Co. of Calif., $5365.87.
National Tank & Manufacturing Co., $5151.
Stephens - Adamson Manufacturing Co., $5068.63.

BIDS OPENED

SAN FRANCISCO—Following bids received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. QM 724-29-35, Memo. 5953, for furnishing:

(1) 1 set men's sock ironers, adjustable heels, mounted on metal table, 2 ironers to set.
(2) 4 each, laundry presses, full automatic, air drive.

American Laundry Machine Co., San Francisco, (1) $112.50; (2) $665; 3% 30 days.

Troy Laundry Machine Co., San Francisco, (1) $115; (2) $660; 3% 30 days.

Prosperity Co., Inc., Los Angeles, (1) only, $585; net.

FUNDS APPROPRIATED

LOS ANGELES, Cal.—The Los Angeles County Board of Supervisors, have appropriated $250,000 to purchase materials and rental of equipment for the construction of temporary or flood control works at and below Dunsmuir, Pickins, Hall, Beckley and Hay Canyons. Labor will be supplied by the SERA. Samuel M. Fisher, Flood Control Engineer, 205 S. Broadway.

BIDS OPENED

BOULDER CITY, Nev. — Following bids received by the Bureau of Reclamation, Denver, October 15, under Spec. No. 595, for furnishing and delivering fob cars at the factory shipping point or at Boulder City, pumping units, etc., under the following schedules:

Schedule No. 1: Deep well pumps, 90 days.
Schedule No. 2: Oil pumps, 90 days.
Sched. No. 3: High pressure pumps; 90 days.
Sched. No. 4: Water jet educators; 90 days.
Schedule No. 5: Air compressors, 90 days.
Schedule No. 6: Water pressure regulators: 90 days.

The bidders and bids were:

Worthington Pump and Mach. Co., Schedule 1, $16,541.55; Sched. 2, $5,669.00; Sched. 5, $8,954; Combination 1, 2, 5, $30,410.00.

Woodin Q Little, Inc., (shipping point) Rockford, Illinois, 2% discount, Schedule 2, $4,581.25.

Layne & Bowler Corp., Los Angeles, Schedule 1, $17,139.40.

Davis Regulator Co., Chicago, 2%; Schedule 6, $1,500.00.

Quimby Pump Cor., Newark, N. J., 2%; Schedule 2, $6,867.50.

Wiedemann Machine Co., Philadelphia, 1%; Schedule 4, $42,435.

Fisher Governor Co., Marshaltown, Iowa, 2%; Schedule 6, $474.60.

Fisher Governor Co., Marshaltown, Iowa, 2%; Schedule 6, $798.60.

Northern Pump Co., Minneapolis, Minn., Schedule 2, $4,918; Schedule 3, $590.00.

Food Mach. Corp. Peerless Pumps, Massillon, Ohio, Schedule 1, $15,357.15.

Food Mach. Corp. Peerless Pumps, Massillon, Ohio, Schedule 1, $18,286.83.

Hendrie & Bolthoff Mfg. & Supply, Pomona, Cal., Schedule 1, $16,357.13.

The Stearns-Roger Mfg. Co., Stockton, Cal., Schedule 1, $17,098.40.

Bury Compressor Co., Erie, Pa., Schedule 5, $9,084.00.

Victor Equip. Co., Kimball - Krogh pumps, Los Angeles, Schedule No. 1, $17,139.40.

Victor Equip. Co., Kimball - Krogh pumps, Los Angeles, Schedule No. 1, $16,357.15.

Pennsylvania Pump & Compressor Co., Schedule 5, $8,220.

Fairbanks, Morse & Co., San Francisco and Beloit, Wis., Schedule No. 1, $16,357.15.

Kinney Mfg. Co., Boston, Schedule 2, $6,840.00.

The American Well Works, Aurora, Ill., 2%, Schedule 1, $14,953.67.

The Johnson Pump Co., Los Angeles Schedule 1, $17,139.40.

The Johnson Pump Co., Los Angeles Schedule 1, $16,367.15.

Gardner-Denver Co., Quincy, Illinois Schedule 5, $9,152.00.

Schutte and Koerting Co., Philadelphia, 1%; Schedule 2, $5,792; Sched. 4, $35,225; combination 2 and 4 $41,017.00.

Dana E. Kepner, Trenton, N. J. ½% Schedule 2, $5,871.00.

Chicago Pneumatic Tool Co., Franklin, Pa., and Schenectady, N. Y., Schedule 5, $8,668.00.

Aurora Pump Co., Aurora, Ill., 2%; Schedule 1, $12,325.00.

Pomona Pump Co., Pomona, Cal., Schedule 1, $16,357.15.
John Bean Mfg. Co., San Jose, Cal., Schedule 1, $16,436.65.
Sullivan Machinery Co., Michigan City, Ind., Schedule 5, $9,739.00.
Geo. D. Roper Corp., Rockford, Ill., Schedule 2, $5,371.40.
Ingersoll-Rand, Inc. Phillipsburg, N. J., Schedule 5, $9,739.00.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio, Schedule 3, $860.00.
Byron-Jackson Co., Berkeley, Calif., Schedule 1, $13,381.15.

Shipping Points

Worthington Pump & Mach. Co., Sched. No. 1, Harrison, N. J., and Los Angeles, Cal.; Sched. 2, Harrison, N. J.; Sched. 5, Buffalo, N. Y., and Pittsburg, Pa.
Pennsylvania Pump & Compressor Co., Schedule No. 5, Easton, Pa., Marshfield, Ohio, Milwaukee, Wisconsin, and Bloomfield, N. J.

FOB Points

Schedule No. 1, Boulder City except Aurora Pump Co., for which Aurora, Ill., is shipping point.
Schedule 2, Los Angeles and Chicago.
Schedule 5, Boulder City except Pennsylvania Pump & Compressor Co., and Schutte & Koerting Co., for which Philedalphia is shipping point.
Sched. 6, Davis Regulator Co., Chicago; and Fisher Governor Co., Boulder City.
Complete tabulation of bids, giving shipping weights, etc., is on file at the office of Daily Pacific Biulder.
Bids held under advisement.

BOULDER CITY—ELECTRICAL EQUIPMENT—(GOVT.)

BOULDER CITY, Nevada—Following bids received by the Bureau of Reclamation, Denver, Colorado, Oct. 10, under Spec. No. 589, for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, electric equipment on schedules as follows:

(1) 2300 V. switching equipment, 150 days;
(2) 287.5 Kv. oil breakers, 250 days;
(3) 287.5 Kv. lightning arrester, 200 days;
(4) 287.5 Kv. disconnect switches, 200 days;
(5) 23 Kv. bus structures, 150 and 190 days;
(6) 15 Kv. O.C.B. and reactor, 150 days.
(A) Southern States Equopment Co., f.o.b. point, Boulder City.
(B) Bowie Switch Co., f.o.b. point, Boulder City.
(C) Pacific Electric Mfg. Corp., f.o.b. point, Boulder City.
(D) I-T-E Circuit Breaker Co., f.o.b. Philadelphia.
(E) Roller Smith Co., f.o.b. point, Bethlehem.
(F) Delta Star Electric Co., Items 1, 8, 9 and 11, Chicago; Item 6, Boulder City.
(G) Railway & I. E. Co., Schedule 4, Boulder City; Sched. 5, S. Greensburg, Pa.
(H) Electric Power Equipment Corp., Boulder City.
(I) General Electric Co., Various.
(J) Conduit Electric Mfg. Co., Boston Mass.
(K) Allis-Chalmers Mfg. Co., Milwaukee, Wisconsin.
(L) Westinghouse Mfg. Co., Various.

	(1)	(2)	(3)	(4)	(5)	(6)
(A)	$.....	$.....	$.....	$106,000	$.....	$.....
(B)	.....	.....	.....	106,000	.....	.....
(C)	.....	.....	.....	106,000	315,000	.....
(D)	.....	.....	.....	.....	264,603	.....
(E)	114,500*	.....	.....	.....	.....	.....
(F)	108,430	.....	.....	106,000	311,790	22,050
(G)	.....	.....	.....	106,000	310,200	.....
(H)	.....	.....	.....	106,000	.....	.....
(I)	112,276	.....	37,120**	106,000	312,760	21,700
(J)	.....	453,600	.....	.....	.....	.....
(K)	113,080	.....	.....	.....	309,500	21,886
(L)	112,752	Note 1	38,932***	106,000	298,960	21,070

*Price includes complete set af spare parts valuel at $500.
**If supporting structures are omitted a price reduction of $2800 will be allowed.
***If supporting structures are omitted a price reduction of $2940 will be allowed.
NOTE 1—Bids price on Type GO-2A is $421,452, f.o.b. cars at East Pittsburgh, Pa., and Point Richmond, Calif.

26— RAILROADS

BIDS WANTED

STOCKTON, Cal. — Until October 30, 4 P. M., as previously reported, bids will be received by the City of Stockton Port Commission, City Hall, B. C. Allin, Secretary, for extensions to the Railroad System at the Stockton Port.

Plans and specifications obtainable from the above office by intending bidders upon deposit of $20 which will be refunded if plans and specifications are returned accompanied by bid. If plans and specifications are returned, not later than ten days after opening of bids, unaccompanied by a proposal, $10 will be refunded.

PREPARING PLANS

SAN JOSE, Santa Clara Co., Cal.—The Southern Pacific Railroad Co. Engineering Department is preparing plans for a subway beneath the company's tracks at Bird Avenue in San Jose. The Company has not determined whether construction will be by contract or by its own forces.
Chief Engineer W. H. Kirkbride.

28—FIRE EQUIPMENT

PURCHASE PLANNED

PHOENIX, Ariz.—Thos. M. Sullivan, City Manager, has announced that bids will be called immediately

LOS ANGELES — TRANSFORMERS — METROPOLITAN DISTRICT)

LOS ANGELES, Cal.—Bids for furnishing 33 kv. power transformers in accordance with Specifications No. 78, were opened by the Metropolitan Water District, Los Angeles, October 22. Bids were taken as follows:

(1a) 10 only 50 kva, single phase, 50 cycle, 33,000-2300 volt transformers, f.o.b. cars at factory shipping point (lump sum);
(1b) (alternative) 10 transformers f. o.b. cars at Rice, Calif. (lump sum);
(2a) will furnish at the option of the district, if ordered within three months after date of contract, not less than 6 nor more than 50 additional transformers as specified in Item 1: 6 to 50 transformers f.o.b. cars at factory shipping point (unit price per transformer)
(2b) (alternative) 6 to 50 transformers f.o.b. cars at Rice, Calif., at a unit price per transformer;
(3a) 20 only 100 kva, single phase, 50 cycle, 33,000-2300 volt transformers f.o.b. cars factory shipping point (lump sum);
(3b) (alternative) 20 transformers f.o.b. cars at Rice, Calif. (lump sum);
(4a) will furnish at the option of the district, if ordered within three months after date of contract, not less than 6 nor more than 100 additional transformers as specified in Item 3: 6 to 100 transformers f.o.b. cars factory shipping point, unit price per transformer;
(4b) (alternative) 6 to 100 transformers f.o.b. cars at Rice, Calif., at a unit price per transformer.

The bidders were:

(A) Wagner Electric Mfg. Co. (Farnham & Cunningham, Edison Bldg. Los Angeles)—No discount. Items (1a), (2a), (3a) and (4a) f.o.b. St. Louis. Mo. Items (1b), (2b), (3b) and (4b) f.o.b. Rice, Calif.
(B) Standard Transformer Co., Warren, Ohio—No discount. F.o.b. Warren, Ohio; alternate, f.o.b. Rice, Calif.
(C) American Transformer Company, Newark, N. J.—No discount. F.o.b. Newark, N. J. Alternate, f.o.b. Rice, Calif.
(D) Kuhlman Electric Co. (Thomas Machinery Co., 912 E. 3rd St., Los Angeles) — No discount. F. o. b. Bay City, Mich. Alternate, f.o.b. Rice, Calif.
(E) Pennsylvania Transformer Co., Pittsburgh, Pa.—No discount. F. o.b. Pittsburgh. Alternate, f.o.b. Rice, Calif.
(F) Westinghouse Electric & Mfg. Co., Los Angeles—No discount. F.o.b. Emeryville, Calif., or Sharon, Pa.
(G) Graybar, Electric Co.—No discount. F.o.b. Pittsfield, Mass. Alternate, f.o.b. Rice, Calif.
(H) Allis-Chalmers Mfg. Co., Los Angeles — No discount. F. o. b. Pittsburgh, Pa. Alternate, f.o.b. Rice, Calif.
(I) General Electric Co.—No discount. F.o.b. Pittsfield, Mass. Alternate, f.o.b. Rice, Calif.
(J) Moloney Electric Co. — No discount. F.o.b. St. Louis. Mo. Alternate, f.o.b. Rice, Calif.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1a)	$ 7,560.00	$ 7,608.00	$ 9,337.60	$ 7,890.00	$ 7,680.00	$ 8,310.00	$ 8,310.00	$ 8,960.00	$ 8,310.00	$ 8,040.00
(1b)	7,890.00	8,040.00	9,975.60	8,230.00	8,040.00	8,670.00	8,670.00	8,410.00	8,670.00	8,409.00
(2a)	756.00	768.00	933.76	789.00	768.00	831.00	831.00	806.00	831.00	804.00
(2b)	789.00	804.00	997.36	823.00	804.00	867.00	867.00	841.00	567.00	840.00
(3a)	18.740.00	19,040.00	23,730.00	19,560.00	19,040.00	20,600.00	20,600.00	19,980.00	20,600.00	20,000.00
(3b)	19,720.00	20,100.00	25,400.00	20,560.00	20,100.00	21,660.00	21,660.00	21,000.00	21,660.00	21,010.00
(4a)	937.00	952.00	1,186.50	978.00	952.00	1,030.00	1,030.00	999.00	1,030.00	1,000.00
(4b)	986.00	1,005 00	1,270.00	1,028.00	1,005.00	1,083.00	1,083.00	1,050.00	1,083.00	1,050.50

for the purchase of two new fire engines.

30—RESERVOIRS & DAMS

BIDS WANTED

SAN DIEGO, Cal.—Until Oct. 30, 11 A. M., bids will be received by H. J. Shaper, Assistant City Purchasing Agent, San Diego, for doing all work necessary for the sealing up of the tunnel plugs in El Capitan Dam, in accordance with plans and specifications which may be obtained from H. J. Shaper, Assistant City Purchasing Agent. Fred D. Pyle, hydraulic engineer.

BIDS OPENED

BONNEVILLE, Ore.—Cannon Bros., 222 Pannes Ave., Compton, at $4,480 submitted low bid to the U. S. Engineer Office, Portland, October 16, for core drilling at the Bonneville Power and Navigation Project in the Columbia River, under Bid No. 35-202.

The other bids were:

R. S. McClintock, Spokane	$4,508.50
Lynch Bros., Seattle	5,140 00
Engineer's estimate	4,686.60

Bids held under advisement.

BIDS WANTED

LOS ANGELES, Cal.—Until Oct. 29, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the placing of rock on the downstream face and crest of San Gabriel Dam No. 2, involving:

(1) 32,200 c.y. placing loose rock fill on downstream face;
(2) 3,150 c.y. placing packed rock fill on crest;
(3) 10,600 c.y. placing waste in waste piles.

Samuel Fisher, Flod Control Engineer, 205 South Broadway. Mame B. Beatty, clerk of the board.

BIDS WANTED

PERSHING COUNTY, Nev.—Until November 12, 10 A. M., bids will be received by the Bureau of Reclamation, Lovelock, Nevada, under Spec. No. 597, for the construction of the Rye Patch Dam, Humboldt Project, Nevada. The work is located near Lovelock and will impound waters of the Humboldt river for irrigation in the Lovelock valley. A loan of $1,600,000 for the construction has been made by the Public Works Administration.

The work involves:

(1) 354,200 c.y. all classes of open cut excavation;
(2) 3,000 c.y. tunnel excavation;
(3) 10,000 c.y. backfill;
(4) 215,000 c.y. earth fill in embankment;
(5) 25,000 c.y. rock fill on downstream slope of embankment;
(6) 4,000 c.y. gravel blankets on embankment;
(7) 8,000 c.y. dumped riprap on upstream slope of embankment;
(8) 2,000 c.y. screened gravel under floor of spillway gate structure;
(9) 1,200 c.y. concrete in tunnel and gate chamber;
(10) 5,640 c.y. concrete in other parts of dam;
(11) 500 c.y. rubble concrete paving;
(12) 500 sq. yds. grouted paving;
(13) 700 cu. ft. pressure grouting;
(14) placing 700,000 lbs. reinforcement bars;
(15) drilling 2,500 l.f. of grout holes;
(16) constructing 2,225 l.f. pipe drains
(17) driving 500,000 lbs. of steel sheet piling;
(18) furnishing and installing 162,000 lbs. of steel tunnel liner plates;
(19) installing 347,000 lbs. of gates and other metal work;
(20) installing 500 l.f. electrical metal conduit.

Plans and specifications may be obtainable from the Bureau of Recamation at Lovelock, Denver, Colo., or Washington, D. C., without charge to prospective bidders; to others $2, not returnable.

The $1,600,000 loan from the PWA includes funds for the purchase of water rights.

L. G. Foster, engineer for the Reclamation Service.

BIDS WANTED

SAN DIEGO, Cal. — Until October 30, 10 A. M., bids will be received by H. J. Shaper, Assistant City Purchasing Agent, San Diego, for the construction of El Capitan Reservoir Dam Tunnel inner lining, in accordance with plans and specifications which may be obtained from the above office. Fred D. Pyle, hydarulic engineer.

The proposed work is located on the San Diego River, about 8 miles northeasterly from the town of Lakeside, which is the terminal of the Lakeside branch of the San Diego & Arizona Railway. The town of Lakeside is about 21 miles northeasterly from the City of San Diego. The wor' involves:

(1) 2920 cu. yds. concrete inner lining in place;
(2) 300 cu. yds. concrete in tunnel plug;
(3) 4650 bbls. cement in place in the work;
(4) 142,000 lbs. reinforcing steel in place in the work;
(5) 2000 cu. ft. cement grout in place in the work;
(6) 500 lin. ft. 2-in. grout and drain

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

FRESNO, Fresno Co., Cal.—Stewart & Nuss Inc., 410 Thorne Ave., Fresno at $29,169 submitted low bid to the Fresno City Council for the construction of a storm water sewer system (North End District) PWA Project 6751, in the City of Fresno.

The other bids were:

Valley Paving & Const. Co., Fresno, $29,801.66.

Trewhitt-Shields Co., Fresno, $31,189.45.

Bids held under advisement.

Unit bids will be given shortly.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 7, 10 A. M., bids will be received by the Los Angeles Board of Public Works, for construction of the decanters, foundation, Venturi flume, drainage sump and roadway at the Terminal Island Sewage Treatment Plant, PWA Project 5633 (Unit No. 7).

Bids will be taken as follows:

(1) Construction of three reinforced concrete 16-inch diameter decanters;

(2) Construction of concrete walls, flooring and five pump foundations, 31 6x6-in., 55 ft. pumping plant.

(3) Construction of reinforced concrete 31.65 ft. Venturi flume.

(4) Constructon of one brick and concrete 10-ft. dia. drainage sump.

(5) Construction of 345.35 l.f. of rock roadway, 15 ft. wide.

Specifications obtainable from above office.

BOND ELECTION

OXNARD, Cal.—November 9 has been set as the date for special election to vote a $54,000 bond issue to finance the construction of a sewage treatment plant for and enlarging and reconstructing the sewer outfall line.

BIDS OPENED

PHOENIX, Arizona.—The Drainage Const. Co., (F. E. Thibodo, 3696 Cedar St., Lynwood) (Lynwood 2114) submitted the low bid to the Phoenix City Commission October 18 at $352,149.85 for the construction of sanitary sewers in accordance with plans and specifications prepared by C. E. Griggs, city engineer. This project will be built with PWA funds. This job, which is divided into four units, consists entirely of vitrified clay pipe in sizes ranging from 6 to 21 inches. Following is a table of quantities involved in the project:

4,000 ft. 6-in. pipe;
222,103 ft. 8-in. pipe;
15,464 ft. 10-in. pipe;
15,609 ft. 12-in. pipe;
15 296 ft. 15-in. pipe;
7,052 ft. 18-in. pipe;
1,512 ft. 21-in. pipe;
158 manholes;
46 flush tanks;
6 lamp holes;
1,553 wyes.

Arizona Sand & Rock Co., Phoenix and Gogo & Rados, Los Angeles, bidding jointly, submitted the second bid at $377,069.30

Phoenix-Tempe Stone Co., Phoenix, submitted the only bid on the labor alone at $257,805.98.

Three firms bid on the pipe only, the bid being identical at $144,496.20.

The complete total bids follow:

Drainage Const. Co., general contract, $352,149.85.

Phoenix-Tempe Stone Co., labor and material, if work is done by units, $398,798.94.

Same if awarded entire job, $394,263.02.

Arizona Sand & Rock Co. and Gogo & Rados, general contract, $377,069.30.

C. F. Fisher, general contract, $381,434.11.

Phoenix-Tempe Stone Co. labor contract only, $257,805.98.

Peter Seerie, Denver, general contract, $393,808.42.

Pacific Clay Pipe Co., pipe only, $144,496.20.

Gladding, McBean & Co., pipe only, $144,496.20.

Denver Sewer Pipe & Clay Co., pipe only, 5144,496.20.

Combination of one labor bid only and any pipe bid net, that is, 5% off bid price makes a total of $396,802.18.

CONTRACT AWARDED

HAMILTON FIELD, Cal. —Meyer Rosenberg, Inc., 255 Bayshore Blvd., San Francisco, at $3263 awarded contract by the War Department, Washington, D. C., for the construction and completion of a drainage ditch at Hamilton Field, under Spec. No. 6754-35-3.

October 23, 1934

ALLOTMENT RESCINDED

SAN MATEO, San Mateo Co., Cal.—Federal Public Works Administration has rescinded a grant and loan of $121,000 to the City of San Mateo for construction of sewers, sewage treatment plant, etc., because bonds to be voted for the project were defeated. The bond proposal is being submitted again at an election November 6, and it is expected the allottment will be reinstated if the issue is approved.

BIDS WANTED

BRAWLEY, Cal.—Until November 7, 5 P. M., bids will be received by the Brawley City Council for the construction of extensions to the sewer system in accordance with plans and specifications prepared by Koebig & Koebig, 458 S. Spring St., Los Angeles, consulting engineer. The work involves:

(1) 12,124 ft. 8-in. vitrified clay pipe;
(2) 119 ft. 10-in. vitrified clay pipe;
(3) 2365 ft. 12-in. vitrified clay pipe;
(4) 6435 ft. 15-in. vitrified clay pipe;

(5) 7836 ft. 18-in. vitrified clay pipe;
((6) 9382 ft. 21in. vitrified clay pipe;
(7) 421 8x6-in. wye branches only;
(8) 10 15x6-in. wye branches only;
(9) 74 18x6-in. wye branches only;
(10) 15 18x12-in. wye branches only;
(11) 207 ft. 8-in. C. I. pipe for R. R. crossing;
(12) 207 ft. 18-in. C. I. pipe for R. R. crossing;
(13) 148 ft. 20-in. C. I. pipe for R. R. crossing;
(14) 15 90 degree elbows, 12-in.;
(15) 94 manholes;
(16) 28 manholes to be constructed on existing sewers (approximately 1040 ft. of manhole construction) price per ft, per manhole;
(17) 2 concrete outlet bulkheads;
(18) 3032 lin. ft. paving.

Plans and specifications obtainable from above office upon deposit of $20, of which $10 will be returned. Bid bond, 5%. O. May Juvenval, City Clerk.

CONTRACT AWARDED

PHOENIX, Arizona—The Drainage Construction Co. (F. E. Thibodo, 3696 Cedar St., Lynwood) at $352,149.85 awarded contract by the Phoenix City Commission, for the construction of sanitary sewers in accordance with plans and specifications prepared by C. E. Griggs, City Engineer.

ja place in the work;
(7) 100 lin. ft. drill holes in concrete
(8) 700 lin. ft. 2-in. Troiel or equal grout pipe in place in the work;
(9) 5 bbls. cement passing 200 mesh sieve in place in the work;
(10) 20 2-in. pipe caps;
(11) 25,000 sq. ft. wet sand blasting.

CONTRACT AWARDED

SAN FRANCISCO — Granfield-Farrar & Carlin, 67 Hoff St., San Francisco, at $97,025 awarded contract by the Public Utilities Commission, City Hall, for excavation and embankment for the University Mound Reservoir, under Spec. W. D. 64.

The award is subject to the approval of the PWA.

31—PIPE LINES & WELLS

CONTRACTS AWARDED

LOS ANGELES, Calif. — Contracts awarded for constructing 110.62 miles of Colorado River Aqueduct awarded by Metropolitan Water District as follows:

Sched. No. (1) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. and C. M. Elliott, Hobart Bldg., San Francisco, $1,036,774.

Sched. No. (2) *Barrett & Hilp, San Francisco, and Macco Const. Corp., Clearwater, $1,094,991.91.

Sched. No. (3) *Barrett & Hilp, and Macco Const. Corp., $974,754.49.

Sched. No. (4) Jahn & Bressi Const. Co., Lane Mortgage Bldg., Los Angeles, $704,318.00.

Sched. No. (5) Jahn & Bressi Const. Co., $716,057.00.

Sched. No. (6) C. W. Wood and M. J. Bevanda, Elks Building, Stockton, $400,884.00.

Sched. No. (7) Barrett & Hilp, and Macco Const. Corp., $853,460.70.

Sched. No. (8) C. W. Wood and M. J. Bevanda, $881,716.50.

Sched. No. (9) Utah Const. Co., 1 Montgomery St., San Francisco, $955,-248.50.

Sched. No. (10) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $819,504.75.

Sched. No. (11) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $973,227.

Sched. No. (12) Three Companies, Inc., Denver, Colo. (Vincent K. Jones, W. S. Broderick and D. G. Gordon) $1,313,272.30.

Sched. No. (13) Hanrahan Co., Youdall Const. Co., Elliott, Stroud Bros. & Seabrook, Chas. Harlow, Jr., and C. M. Elliott, $632,037.25.

Sched. No. (14) Thompson-Starrett Co., Inc., 444 Madison Avenue, New York City, $926,961.10.

Sched. No. (15) Thompson-Starrett Co., Inc., $1,028,046.75.

Sched. No. (16) Thompson-Starrett Co., Inc., $814,921.20.

Bids were opened October 11. Complete total bids were reported October 20. The total cost of work contracted is $14,126 175.45. The cost of materials, engineering and administrative expenses to be furnished by the Metropolitan Water District is estimated at $10,397,511, making the total cost $25,063,686.45. F. E. Weymouth is general manager and chief engineer.

The work contracted includes 33.65 miles of conduit, 62.33 miles of canal and 14.64 miles of siphons.

PROSPECTIVE BIDDERS

RIVERSIDE COUNTY, Calif.—Following are additional plan holders for the construction of conduit, siphons, and appurtenant works of the Colorado River Aqueduct, under Spec. No. 75, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Oct. 31, 10 A. M., as previously reported:

Mark C. Walker & Son Co., Omaha.

George Pollock & Co., 1013 Forum Bldg., Sacramento.

Rix Co., Inc., 810 Santa Fe Ave., Los Angeles.

Koppell Industrial Car & Equipment Co., Koppell, Pa.

W. H. Kilpatrick, 1124 Pacific St., Redlands.

J. B. Lippincott, 543 Petroleum Securities Bldg., Los Angeles.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

J. W. Breedlove, 1027 Transamerica Bldg., oLs Angeles.

Fredrickson & Watson Const. Co., 873 81st Ave., Oakland.

J. A. Thompson, 704 S. Spring St., Los Angeles.

Shell Oil Co., 1008 W. Sixth Street, Los Angeles.

Winston Bros. Co., 920 Title Guarantee Bldg., Los Angeles.

L. E. Dixon Co., 609 S. Grand Ave., Los Angeles.

F. E. Rowsey, 458 S. Spring Street, Los Angeles.

M. S. Ross, 4011 Goodwin Ave., Los Angeles.

Bent Bros., 418 S. Pecan St., Los Angeles.

Driver Co., Memphis, Tenn.

M. S. Ross, 4011 Goodwin Ave., Los Angeles.

A. Teichert & Son, Inc., 1846 37th St., Sacramento.

Piru Rock Co., 502 Los Angeles Railway Bldg., Los Angeles.

New Mexico Const. Co., Box 1707, Denver, Colo.

Wren & Van Alen, Inc., 301 Fidelity Bldg., Los Angeles.

Wallace Miller-Hyde Co., 902 Commercial Exchange Bldg., Los Angeles.

Harry C. Collins Mach. Co., 2146 E. 38th St., Los Angeles.

B. H. Miller, Biltmore Hotel, Los Angeles.

H. M. Baruch Corp., 625 S. Olive St., Los Angeles.

Glens Falls Indemnity Co., 640 Fidelity Bldg., Los Angeles.

Wm. C. Crowell, 495 S. Broadway, Pasadena.

CONTEMPLATED

TULARE COUNTY, Cal.—The Porterville City Council has petitioned the Tulare County Board of Supervisors to commence proceedings to create Central Counties Municipal Utility District for the purpose of distributing natural gas to the municipalities of Porterville, Lindsay, Visalia, Hanford, Exeter, Tulare and Lemoore. Mayor Chas. Burr, Lindsay, reported a preliminary survey indicated construction of 90 miles of pipe line necessary between Kettleman Hills gas wells and cities to be served.

Estimated cost, $922,000.

CONTRACT AWARDED

LIVERMORE, Cal. — Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, at $5500 awarded contract by the Veterans Administration Facility, Palo Alto, for laying and finishing complete a water line under Arroyo Del Vallo, for the Veterans Administration Facility, Livermore.

BIDS WANTED

SAN JUAN CAPISTRANO, Orange Co., Cal.—Until Nov. 5, 7:30 P. M., bids will be received by the San Juan Capistrano Sanitary Dist., San Juan Capistrano, for constructing a sewage treatment plant in accordance with revised plans and specifications prepared by the Currie Engr. Co., 219 Andreson Bldg., San Bernardino.

The quantities are:
130 cu. yds. excavation;
69 cu. yds. concrete (3000 lbs.);
39 cu. yds. concrete (2500 lbs.);
20 cu. yds. conrete (1500 lbs.);
3.24 tons reinforing steel;
190 sq. ft. cement finish;
30 cu. yds. sludge bed sand;
3 cu. yds. pea gravel;
732 cu. yds. filter stone.

MILLWORK

2 3x6-ft. 8-in. wood doors;
3 3x3-ft. wood casements.

MISCELLANEOUS IRON

1 water seal, complete with valves and fittings;
55 ft. 4x4x¼-in. angle iron weir;
2 gas collectors, complete with valves and fittings;
1 30-in. sidewalk franme and cover;
1 22-in. manhole frame and cover;
141 ft. galvanized pipe railing;
1 10-in. "Calco" flood gate.

CAST IRON PIPE AND FITTINGS

8-INCH B & S

20 ft. pipe;
1 90-degree ell;
2 shear gates.

4-INCH B & S

2 4x6-in. 90-degree ells;
1 4-in. on 4-in. tee;
5 45-degree ells;
10 90-degree ells;
220 ft. pipe;
6 4-in. gate valves.

FLANGED

4 4-in. 90-degree ells;
1 4-in. side outlet cross;
2 4x4-in. tees;
2 4x4-in. crosses;
1 4-in. safety relief valve;
1 4-in. 45-degree ell;
4 ft. 4-in. cast iron pipe;
6 4-in. gate valves;
1 4-in. angle valve;
2 4-in. check valves;
1 4-in. side outlet tee.

VITRIFIED PIPE AND FITTINGS

5 ft. 4-in. vitrified sewer pipe;
2 4-in. 90-degree ells;
110 ft. 6-in. vitrified drain tile;
90 ft. 8-in. vitrified sewer pipe;
1 8-in. on 10-in. tee;
325 ft. 10-in. vitrified sewer pipe;
1,416 ft. 4-in. underdrain.

GALV. PIPE AND FITTINGS

30 ft. chlorine conduit (2½-in.);
120 ft. 1-in. galv. iron pipe;
50 ft. 2-in. galv. iron pipe;
20 ft. ¾-in. galv. iron pipe;
3 ¾-in. hose bibbs;
3 25-ft. lengths of ¾-in. hose.

LUMBER

500 board feet of lumber;

2½ squares of roofing.

OPERATING EQUIPMENT

1 6x26-ft. rectangular primary clarifier with skimmer;
1 17-ft. dia. by 6-ft. S.W.D. circular radial flow secondary clarifier;
1 60-in. dia. circular sewage distributor;
1 12-lb. Wallace & Tiernan vacuum feed chlorinator;
1 500-lb. scale;
2 vertical wet well sewage pumps;
1 plunger sludge pump;
1 lighting outlets;
5 power outlets;
1 bronze name plate.

On the previous bid opening Sept. 18, H. A. Teget, Ontario, submitted the low bid at $16,195.

33— WATER WORKS

PLANNED

SANTA CRUZ, Cal.—The Santa Cruz Water Department plans replacement of water mains on Ocean Street, including installation of 2200 feet of 12-in. pipe. Bids for material will be asked shortly. Estimated cost, $4000.

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Following bids received by the Forest Service Experiment Station, F. L. Conner, Acting Director, 331 Giannini Hall, University of California, Berkeley, for furnishing two storage tanks, 16-ga. galvanized circular iron tanks, to hold approximately 2,000 gallons, and be approximately 6-ft. high and 8-ft. in diameter, with one 2-in. connection in the bottom of each tank: (1) fob Hall's Flat Branch Station, U. S. Forest Service, Susanville; (2) fob bidder's plant.

The bids were:

Western Pipe & Steel Co. San Francisco, (1) $218; (2) $198.

Independent Iron Works, Oakland, (1) $176; (2) $155.

Tay-Holbrook, Inc., Los Angeles, (1) $169; (2) $140.

Dickson & Holbrook, Berkeley, (1) $213; (2) $195.

California Steel Products Co., San Francisco, (1) $252; (2) $192.

Ferry Sheet Metal Works, San Francisco, $9.25 each, fob plant, not erected.

CONTEMPLATED

LINCOLN, Placer Co., Cal.—Lincoln City Council has authorized employment of an engineer to estimate cost of installing water filter plant similar to that operated by City of Roseville.

BIDS OPENED

PORTLAND, Ore. — Eugene Ruedy Co., Sherlock Bldg., Portland, at $12,018 submitted low bid to the Sylvan Water District, A. E. Horn, Secretary, 628 Railway Exchange Building, Portland, October 20, for water works improvements for the Sylvan Water District.

The other bids were:

United Contr. Co., Portland.....$13,147
Pittsburg-Des Moines Steel Co... 15,930

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO—Lowrie Paving Co., 1540 16th St., San Francisco, at $41,687.80 awarded contract by the Public Utilities Commission, City Hall, for laying 6-in. and 8-in. cast iron mains in the area from Ocean Avenue to Alemany Blvd. and from Junipero Serra Blvd. to Lee Ave., under Spec. W. D. 50

The award is subject to the approval of the PWA.

CONTRACT AWARDED

SAN FRANCISCO — Pacific Pavements Co., Ltd., 85 Barstow St., San Francisco, at $37,688.50 awarded contract by the Public Utilities Commission, City Hall, for laying of 6-in. and 8-in. cast iron mains in the area from Division St. to Esmeralda Ave. and from Mission to Iowa St. under Spec. W. D. 51. The award is subject to the approval of the PWA.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 5, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the installation of two 30-in. gate valves, elevation 1250 feet, on downstream face of Sawpit Dam.

Samuel M. Fisher, County Flood Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

BIDS WANTED

LOS ANGELES, Cal.—Until November 5, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors, for the removal of two 30-in. Joshua Hendy needle valves and the installation of two 30-in. gate valves at the Santa Anita Dam.

Samuel M. Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beaty, Clerk of the Board.

BIDS WANTED

SANTA CRUZ, Cal.—Until November 5, 9 A. M., bids will be received by the Santa Cruz City Council, S. A. Evans, City Clerk, City Hall, for furnishing:

(1) 2300 ft. 12-in. Class 150 cast iron pipe, Bell & Spigot joints, pipe to be not less than 12-ft. lengths.
(2) 12 double bell tees, 12-in. by 4-in. Tees to be Class B.

Pipe and fittings shall be delivered f.o.b. trench site, on Ocean St., bet. Plymouth St. and Water St., as directed by the City Engineer or Water Superintendent.

Specifications obtainable from above office.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

MIDDLETOWN, Lake Co., Calif.—Until November 13, 10 A. M., bids will be received by Fred H. Merritt, County Clerk, Middletown, for construction of 960 rods of fencing along the right of way over the Detert property near Middletown. The materials to be furnished are as follows:

960 rods 26-in., 6-in. stay, fencing; top and bottom wires No. 10 intermediate wires No. 12½.

920 T steel posts, baked on paint, 6½ ft. long, or Banner Channel posts, baked on paint, 6½ ft. long.

36 80-rod rolls standard galvanized 2-point barbed wire, No. 12½ gage, 3-in. spacing of barbs No. 14 gage. Must be American products.

3 braces for end posts.

6 steel gates, tubular frame, 4 ft. 2 in. high and 12 ft. long.

12 tubular steel gate posts, 7½ ft. long.

12 tubular steel braces for gate posts

12 angle posts 7½ ft. long.

12 braces for angle posts.

All material to be delivered at Middletown, Lake Co., Calif.

BIDS OPENED

BERKELEY, Cal. — Identical bids were submitted by the following to the Forest Service Experiment Station, University of California for:

(1) 17,500 ft. woven wire farm fencing, galv., horizontal bars 7; gage, top and bottom, 9; f.o.b. Hall's Flat R.R. Station.

(2) Fine mesh rodent fencing (spiral weave, chain-link fabric) ⅜-inch mesh, 18 gt., knuckle selvage; galv. before weaving; 36-in. wide; 1600 ft. f.o.b. Hall's Flat R. R. station, and 200 ft. f.o.b. Sonora.

(3) Valley steel, 28 gage, galv., 600 ft. 7-in., and 500 ft. 14-in.; f.o.b. Hall's Flat R. R. Station.

(4) 20 spools (80 rods each) barbed wire, galv., 12½-in. gage, 2 point, f. o.b. Sonora.

Western Steel & Wire Co., 439 Bryant Street.

Dunham, Carrigan & Hayden.
California Wire Cloth Co.
Standard Fence Co.
Pacific Coast Fence Co.

Prices read as follows:

(1) $487.60; (2) $480; (2-b) $60; (3) $22.62; (3-a) $35.85; $66.12.

29—STREETS AND HIGHWAYS

BIDS WANTED

COLUSA COUNTY, Cal.—Until Nov. 5, 10:30 A. M., bids will be received by the Department of Public Works, Division of Highways, C. H. Whitmore District Engineer, Marysville Hotel, Marysville, for about 0.3 mile in length construction of concrete curbs, gutters, and driveways in the City of Williams, Colusa County, between F St. and D St. on Seventh St., and between Eighth St. and Sixth St. on E Street.

The work involves:

(1) 5 each tree stumps to be removed and disposed of;
(2) 9 each trees to be removed and disposed of;
(3) 200 c.y. Class A Portland cement concrete (curbs, gutters, driveways);
(4) 135 c.y. existing curbs, sidewalks, and driveways to be removed and disposed of.

Plans and specifications obtainable from the above office.

BIDS WANTED

SKAMANIA COUNTY, Wash.—Until Nov. 7, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving North Bank Highway Grading Project, NR-18-A3, National Forest Road Project, located within the Columbia National Forest, Skamania County, Wash.

The length of the project is approximately 0.488 mile and involves:

(1) 8 acres clearing;
(2) 90,090 c.y. unclassified excav.;
(3) 3,500 c.y. subgrade reinforcement;
(4) 33,000 c.y. mile overhaul;
(5) 115 MFBM untreated timber;
(6) 5,760 l.f. untreated timber piling or posts.

Plans and specifications obtainable from the above office upon deposit of $10.00.

AWARD RECOMMENDED

SAN LUIS OBISPO COUNTY, Cal.—Award of a contract to Young & Son Co., Ltd., 599 Colusa Ave., Berkeley, at $119,606.65, for grading Section A of Route 84, the Morro Bay National Forest Highway, Santa Barbara National Forest, San Luis Obispo County, has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

LOW BIDDER

MONTEREY COUNTY, Cal.—L. A. Brisco, Arroyo Grande, at $6,795.70 submitted low bid to the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for about 1.4 miles of bituminous surface treatment to be applied on Munras Ave., Abrego St. and Fremont St. in the City of Monterey.

LOW BIDDERS

LOS ANGELES CO., Calif. — Sully-Miller Constructing Co., 1500 W. 7th St., Long Beach, at $54,293.50 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for about 0.5 mile of grading and paving with Portland cement concrete in the City of Long Beach between Loma Avenue and Hathaway Avenue

Griffith Co., Los Angeles, at $55,882 and J. L. McClain, Los Angeles, at $60,648.50 submitted second and third low bids, respectively.

BIDS WANTED

KING COUNTY, Wash.—Until November 7, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and retopping portions of the existing brick pavement with asphaltic concrete on about 4 miles of the Old Pacific Highway, Lake Forest Park to Bothell. Unit 3 of U.S.P.W. Project NRH 91-B and NRM-C, in King County. The work involves about 18,760 c.y. excavation, 7,520 c.y. of gravel borrow, 68,969 sq. yds. Portland cement concrete pavement, 11,082 l.f. cable guard rail Design No. 6, 1,185 l.f. pipe culverts, 3,438 tons asphaltic concrete pavement widening of concrete bridge, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

BIDS WANTED

KLAMATH CO., Ore.—Until Nov. 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for furnishing crushed rock for the Klamath Rock Production Project on The Dalles-California and Green Springs highways. State project. The work requires the furnishing of approximately 19,000 c.y. of crushed rock in stockpiles at the following locations: 9,000 c.y. near Beaver Marsh; 5,000 c.y. near Modoc Point ,and 5,000 c.y. near Kene. Bids will be considered for furnishing crushed rock at any location or at any combination of locations.

Plans and specifications obtainable from the State Highway Engineer, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

SAN FRANCISCO—Department of Public Works, S. J. Hester, Chief Deputy Director, plans to improve (expediency) Kramer Place, between Greenwich St. and the southerly termination of Kramer Place. The work involves:

(1) 30 cu. yds. sand fill;
(2) 8 lin. ft. 10-in. vit. clay pipe culvert in place;
(3) 2 8x6-in. wye branches in place;
(4) 1 brick manhole complete;
(5) 15 lin. ft. 6-in. vitrified clay pipe side sewers in place;
(6) 1 brick catchbasin, complete;
(7) 296 lin. ft. armored concrete curb
(8) 1200 lbs. bar reinforcing steel in stairs and wall;
(9) 20 cu. yds. Class B concrete in stairs and wall;
(10) 50 lin. ft. 1½-in. standard 3-pipe railing, including 10 concrete posts;
(11) 1500 sq. ft. one-course concrete sidewalk;
(12) 1400 sq. ft. 6-in. Class E concrete pavement.

Plans and specifications obtainable from City Engineer John J. Casey, upon deposit of $10.

BIDS WANTED

POLK COUNTY, Oregon. — Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 3.9 miles grading and surfacing and 7.8 miles oil mat surface treatment on the Yamhill River-Salt Creek Section of Dallas - Coast Secondary Highway; U.S.P.W. Project NRS 215-A and NRS 215-C. The work requires approximately 84,000 c.y. excavation, 17,000 c.y. roadbed topping, 4,100 c.y crushed gravel surfacing, and 92,000 sq. yds. oil mat surface treatment.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

POLK COUNTY, Oregon. — Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 2.12 miles grading and 3 miles oil mat surface treatment on the McNary-Oak Point Section of Independence Secondary Highway; U.S.P.W. Project NRS 224-B. The work requires approximately 15,000 c.y. excavation, 10,000 c.y. roadbed topping(3,000 c.y. salvaged surfacing materials and 35,000 sq. yds. oil mat surface treatment.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

MORROW COUNTY, Oregon.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 3.1 miles grading and 6.2 miles surfacing on the Hardman - Chapin Creek Section of Heppner-Spray Secondary Highway; U.S.P.W. Project NRS 21-A and 218-B. The work involves approximately 66,000 c.y. excavation, 5,000 c.y. roadbed topping, and 5,000 c.y. crushed rock surfacing.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

WINSLOW, Arizona—Until November 8, 10:30 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, Ariz. for improving the Flagstaff-Winslow Highway, A.F.E. 6662; NRH 22 (1935).

The work extends from the west city limits of Winslow along Second St. approximately 0.3 mile, and consists of removing old oil cake, placing new base, remixing and relaying old oil cake, widening the new oil cake, constructing curb and gutter and sealing entire width. The work involves:

(1) 1560 cu. yds. roadway excav.;
(2) 1500 sta. yds. overhaul;
(3) 80 cu. yds. structural excav.;
(4) 2000 cu. yds. A. B. C.;
(5) 11 600 cu. yds. mi. haul A. B. C.;
(6) 5 cu. yds. concrete;
(7) 160 lbs. reinforcing steel;
(8) 500 cu. yds. mineral aggregate;
(9) 9500 gals. road oil;
(10) 12 tons emulsified asphalt;
(11) 0.2 mi. processing road mix;
(12) 3200 lin. ft. curb and gutter;
(13) 1580 lin. ft. 8-in. perforated C. M. pipe;
(14) 100 lin. ft. C.M. pipe, various sizes;
(15) 12 M. gals. sprinkling;
(16) 80 hours rolling;
(17) 1460 lin. ft. wire mesh fence;
(18) 2 12-ft. metal gates.

Funds have been programmed for the construction of this project in the amount of $15,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the project, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

Plans and specifications obtainable from above office. T. S. O'Connell, State Highway Engineer. * 29

AWARD

HARNEY COUNTY, Oregon—Morrison-Knudsen Co., Boise, Idaho, at $147,800 awarded contract by the Oregon State Highway Commission, for 3.43 miles of grading on the Nigger Flat-Stinkingwater Mountain Section of Central Oregon Highway, U. S. P. W. Project No. FLEC 4-E.

LOW BIDDERS

ARIZONA STATE.—Lee Moor Contracting Co., 807 Bassett Tower Bldg., El Paso, Texas, at $36,766 submitted low bid to the State Highway Commission, Phoenix, for 4.2 miles of grading, draining, and placing base material and oil processing by the road mix method on the Ashfork-Jerome Highway.

Martin Bros. Trucking Co., Long Beach, Calif., at $40,285, submitted second low bid.

LOW BIDDERS

BENSON, Ariz.—Borderland Const. Co., Tucson, at $18,544 submitted low bid to the Arizona State Highway Commission, Phoenix, for improving streets in Benson, NRM 18 - E and NRM 79-D (AFE 501). The work which is located in the town of Benson, consists of miscellaneous grading, draining, seal coat, etc.

Pleasant Hasler Const. Co., Phoenix at $18,891 submitted second low bid.

CONTRACT AWARDED

VENTURA, Ventura County, Cal.—Southwest Paving Co., 711 Lankershim Bldg., Los Angeles, at $7,500(or $3 per ton) awarded contract by the Ventura County Supervisors, October 19, for surfacing South Mountain Road in Road District No. 4, near Santa Paula, about 10,000 l.f., involving 2500 tons premix rock and oil (alternate bid).

Bids were also taken on asphalt emulsion as follows:
(1) 2300 tons crushed rock or gravel;
(2) 200 tons concrete sand;
(3) 22,000 gals. slow setting emulsion;

The other bids were:

Walter B. Roselip, San Luis Obispo, (1) $2.47; (2) $1.93; (3) 9.4c; (4) 8.4c; (4) 22,000 gals. quick do; total, $9,983.00.

Shell Oil Co., (3) 9.28c; (4) 8.28c.

BIDS WANTED

MALHEUR COUNTY, Ore. — Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 5.86 miles of grading on Blue Mt. Pass Section of L.-O.-N. Highway; U. S. P. W. Project FLH 3-C. The work requires approximately 68,000 c.y. of excavation and 7,000 c.y. roadbed topping.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00. 9

BIDS WANTED

JACKSON COUNTY, Oregon.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 0.40 mile grading on the Barron

Creek-Torrent Creek Section of Pacific Highway; U.S.P.W. Project NRH 190-C. The work requires approximately 200,000 c.y. of excavation.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

DOUGLAS COUNTY, Oregon.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for furnishing approximately 6,000 c.y. of crushed gravel in stockpiles on the Mystic Creek-Winston Rock Production Project on Coos Bay - Roseburg Highway (State project).

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

JACKSON COUNTY, Oregon.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 0.97 mile grading on Unit No. 2, McAllister Section of Little Butte Secondary Highway; U.S.P.W. Project NRS 239-A. The work requires approximately 12,000 c.y. of excavation.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

CONTRACT AWARDED

SAN ANSELMO, Marin Co., Calif.—E. A. Forde, 640 Redhill Avenue, San Anselmo, at $6,040 awarded contract by the San Anselmo city council. Donald Wood, Superintendent of Streets, for paving, etc., on Redhill Ave. and Sir Francis Drake Blvd.

BIDS WANTED

SAN MATEO, San Mateo Co., Cal.—Until November 5, 8 P. M., bids will be received by the San Mateo City Council, E. W. Foster, City Clerk, City Hall, for the construction of steel reinforced concrete arch culvert and wall, curb, paving, etc., on El Camino Real near Second Avenue.

The work involves:

(1) 508 c.y. excavation;
(2) 600 c.y. grading, including removal of existing wall;
(3) 350 c.y. steel reinforced concrete arch culvert in wall;
(4) 4,500 sq. ft. waterbound macadam pave. with oil and screening surface;
(5) 424 l.f. concrete curb;
(6) 1,525 sq. ft. sidewalks;
(7) 2 catchbasins;
(8) 255 l.f. 12-in. conc. storm sewer.

Plans and specifications may be obtained at the City Engineer's office at a charge of $2.50.

AWARD

LINN COUNTY, Ore.—C. H. Leonard, Albany, Oregon, at $76,411.90 was awarded contract by the Bureau of Public Roads, Portland, on the mental pipe alternate, for constructing or improving the North Santiam Grading Project FHEC-24-E2, National Forest Road Project located within the Willamette National Forest, Linn County.

October 22, 1934

BIDS WANTED

KITSAP COUNTY, Wash. — Until November 7, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Washington, for clearing, grading, draining, and surfacing with crushed stone about 1.9 miles of the Port Blakeley to Agate Pass Road on Bainbridge Island, Port Blakeley-North, U. S. P. W. Project NRS 212-A, in Kitsap County. The work involves approximately 10 acres clearing; 29,920 cu. yds. excavation; 5610 cu. yds. crushed stone surfacing materials; 795 lin. ft. corrugated iron pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

JEROME, Ariz.—Until November 8, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Prescott-Flagstaff Highway, Jerome streets, AFE 514, NRM 96-A. The work, which is located within the city limits of Jerome, consists of the furnishing and placing of a 2-inch asphaltic retread surface and select material, and miscellaneous grading and draining work.

The work involves:

(1) 3,100 c.y. roadway excavation;
(2) 5,300 c.y. mile earthwork haul;
(3) 3,900 tons select material (CIP);
(4) 1,179 tons aggregate;
(5) 111 tons emulsified asphalt;
(6) 242 l.f. combined curb and gutter
(7) 372 l.f. single gutter;
(8) 500 l.f. 8-in. perforated CMP;
(9) 176 l.f. road guard (cable or steel plate);
(10) incidental items.

Funds have been programmed for the construction of this project in the amount of $20,000. T. S. O'Connell, state highway engineer.

Plans and specifications obtainable from above office.

BIDS OPENED

KLAMATH COUNTY, Ore.—Dunn & Baker, Klamath Falls, at $112,915 submitted low bid to the Bureau of Public Roads, Portland, October 19, for constructing or improving the Crater Lake National Park, Rim Road Project PEC-7-C1, Unit 1, Grading, and PEC-7-B and 7-C (Portions) Widening, National Park Road Project, located within Crater Lake National Park, Klamath County. The length of the project is approximately 1.582 mi. grading and 9.36 mi. widening. Compdete bids follow:

Dunn & Baker, Klamath Falls, $112,-915.
A. Del Guzze, Seattle, $122 915.
Earl L. McNutt, Eugene, Oregon, $133,015.
Guthrie - McDougall, Portland, $143,-185.
E. L. Gates, McCredie Springs, $143,-986.
Von der Hellen and Pierson, Medford, $15' 256.
F. C. Dillard, Medford, $155,898.
E. C. Hall, Eugene, $164,131.

Award was recommended to Dunn & Baker, at $112,915, on the basis of their low bid.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $42,807 awarded contract by the State Highway Commission, Sacramento, for constructing approaches to Escondido Creek Bridge, about 0.6 mile in length to be graded and surfaced with bituminous treated crushed gravel or stone.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 7 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, Room 808, State Bldg., Los Angeles, for about 0.3 mile to be graded and paved with asphalt concrete in the City of Los Angeles, between the Los Angeles city pumping plant and West Channel Road.

The work involves:

(1) 16 sta. clear and grub right of way;
(2) 6,000 c.y. rdwy. excav., unclass.;
(3) 200 c.y. structure excavation;
(4) 2,200 sq. yds. subgrade preparation;
(5) 950 tons asphalt concrete in place;
(6) 8 c.y. Class A Portland cement concrete in place (structures);
(7) 700 lbs. bar reinforcing steel in place (structures);
(8) 72 l.f. 18-in. reinf. concrete pipe in place;
(9) 2 c.y. concrete removed and disposed of;
(10) 15 tons fuel oil in place (shoulder)
(11) 1,700 sq. yds. preparing, mixing, and shaping shoulders;
(12) 44 l.f. pipe and timber guard rail in place;
(13) removing and salvaging existing timber guard rail;
(14) 16 stations finishing roadway.

Plans and specifications obtainable from the above office.

BIDS WANTED

JACKSON CO., Oregon.—Until November 2, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Tiller-Trail Highway, Grading Project FHEc-16-G, National Forest Road Project, located within the Umpqua National Forest, Jackson County.

The length of the project is approximately 1.201 miles of grading and 1.375 miles advance clearing, and involves:

(1) 30 acres clearing;
(2) 8 acres grubbing;
(3) 82,350 c.y. unclassified excavation;
(4) 120,000 sta. yds. overhaul;
(5) 5,000 l.f. rounding of cut slopes;
(6) 370 l.f. culverts (alternate);
(7) lump sum, maintenance of completed road;
(8) 312 l.f. extra strength reinforced concrete pipe;
(9) 4,000 c.y. overruns in slides and overbreakage.

Plans and specifications obtainable from the above office upon deposit of $10.00

BIDS WANTED

LEWIS COUNTY, Wash.—Until November 7, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Mt. Rainier National Park, Stevens Canyon Project PEC-4-E2, Clearing, National Park Road Project, located within the Mt. Rainier National Park, Lewis Co.

The length of the project is approximately 3.22 miles, and involves thirty acres clearing.

Plans and specifications obtainable from the above office upon deposit of $10.00

BIDS WANTED

LEWIS COUNTY, Wash.—Until November 7, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Mt. Rainier National Park, Stevens Canyon Highway Project PEC-4-C2, Clearing, National Park Project, located within the Mt. Rainier National Park, Lewis Co.

The length of the project is approximately 2.64 miles, and involves twenty-four acres clearing.

Plans and specifications obtainable from the above office upon deposit of $10.00

(Continued Next Page)

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN LUIS OBISPO CO.—Forest Highway Grading—(Govt.)

SAN LUIS OBISPO COUNTY, Cal.—Young & Son Co., Ltd., 599 Colusa Ave., Berkeley, at $119 606.65 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 84, the Morro Bay National Forest Highway, Santa Barbara National Forest, San Luis Obispo County. The work involves:

1) 25 acres clearing;
2) 275,000 c.y. unclass. excavation;
3) 1,500 c.y. do for structures;
4) 1,278,000 sta. yds. overhaul;
5) 5,900 c.y. mi. borrow haul;
6) 600 c.y. hand-laid rock embankment;
7) 3.578 miles finishing earth graded road;
8) 682 l.f. 8-in. CGMP;
9) 1,484 l.f. 18-in. CGMP;
10) 684 l.f. 24-in. CGMP;
11) 296 l.f. 36-in. CGMP;
12) 76 l.f. 42-in. CGMP;
13) 150 l.f. 48-in. CGMP, 8-gauge;
14) 12 each Type A spillway inlets;
15) 2 each 18-in. CMP elbows;
16) 240 c.y. concrete;
17) 20,600 lbs. reinforcing steel;
(18) 68 c.y. cement rubble masonry;
(19) 48 each culvert markers;
(20) 5,400 l.f. Type I protection ditch;
(21) 4,593 l.f. wood guard rail;
(22) 322 each guide posts;
(23) 91 each right of way monuments;
(24) extra work, maintenance of existing roadway.

Total bids follow:

(A) Young & Son Co., Ltd., Berkeley, $119,606.65.
(B) Sharp & Fellows Contracting Co., Los Angeles, $125,254.40.
(C) J. E. Haddock, Pasadena, $129,237.80.
(D) Union Paving Co., San Francisco, $137,159.30.
(E) Geo. J. Bock & Son, Los Angeles, $138,673.90.
(F) T. M. Morgan Paving Co., Los Angeles, $142,531.00.
(G) Peninsula Paving Co., San Francisco, $156,927.40.
(H) R. E. Campbell, Los Angeles $166-530.64.
(I) Gibbons and Reed Co., Burbank, $184,608.08.
(J) Engineer's estimate, $136,900.30.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$110.00	$200.00	$200.00	$300.00	$150.00	$200.00	$170.00	$400.00	$350.00	$250.00
(2)	.295	.315	.33	.33	.375	.37	.385	.40	.48	.35
(3)	1.25	1.20	1.50	1.25	1.25	1.50	1.35	1.25	1.40	1.25
(4)	.005	.005	.003	.008	.004	.002	.012	.01	.01	.005
(5)	.14	.15	.20	.10	.10	.15	.19	.15	.10	.20
(6)	3.00	2.00	3.00	3.00	2.00	3.00	5.75	8.00	4.00	2.50
(7)	600.00	300.00	500.00	300.00	300.00	400.00	400.00	480.00	200.00	300.00
(8)	.95	1.00	.80	1.25	1.00	1.20	1.00	1.10	1.00	1.00
(9)	1.70	1.75	1.60	2.50	1.75	2.00	1.60	2.00	1.75	1.80
(10)	2.55	2.50	2.40	4.00	2.35	3.00	2.50	2.75	2.45	2.75
(11)	4.75	4.50	4.35	6.00	4.60	5.00	4.75	5.20	5.15	5.00
(12)	5.70	6.00	5.70	8.00	5.75	6.00	5.65	7.30	6.30	6.00
(13)	9.05	9.00	8.00	12.00	9.25	9.50	9.75	10.00	10.00	10.00
(14)	15.00	20.00	12.50	15.00	20.00	15.00	12.50	15.00	25.00	15.00
(15)	6.00	10.00	7.50	15.00	6.00	10.00	5.75	10.00	5.50	8.50
(16)	20.00	20.00	21.00	16.00	2000	26.00	25.00	23.50	26.00	20.00
(17)	.05	.05	.06	.04	.05	.06	.05	.05	.06	.06
(18)	12.00	20.00	20.00	12.00	1400	12.00	11.50	14.00	11.00	15.00
(19)	2.00	2.00	3.00	3.00	1.50	3.00	2.30	2.00	2.25	2.00
(20)	.10	.12	.15	.20	.15	.10	.17	.20	.35	.10
(21)	1.25	1.00	1.00	.80	1.00	1.50	1.00	1.00	3.00	.90
(22)	2.00	2.00	3.50	2.00	2.00	2.50	3.00	3.00	3.00	3.00
(23)	3.00	3.00	3.00	2.00	3.00	4.00	4.00	3.00	3.00	3.00
(24)	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00

All bids held under advisement.

MONTEREY COUNTY—1.4 Mi. Bituminous Surf.—(State)

MONTEREY COUNTY, Cal.—L. A. Brisco, Arroyo Grande, at $6795.70, as previously reported, submitted low bid to the Depatment of Public Works, Division of Highways, L. H. Gibson, District Engineer, San Luis Obispo, for about 1.4 mile of bituminous surface treatment to be applied on Munras Ave., Abrego St., and Fremont St. in the City of Monterery, Monterey County. The work involves:

(1) 67 tons emulsified asph. in place;
(2) 575 tons coarse screenings do;
(3) 320 tons fine screenings in place;
(4) 400 tons crusher run base do;
(5) 100 M. gals. water in place;
(6) 72 tons fuel oil in place;
(7) 7220 sq. yds. scarify, shape, compact existing surface;
(8) 13,360 sq. yds. prepare, mix, shape, etc., oiled shoulders and roadbed.

Total bids follow:

(A) L. A. Brisco, Arroyo Grande $6795.70.
(B) Tiffany Constr. Co., San Jose, $7295.08.
(C) Granite Constr. Co., Watsonville, $7667.
(D) Walter Roselip, San Luis Obispo, $7829.82.
(E) Leo F. Piazza, San Jose, $8961.
(F) J. L. Conner, Monterey, $9589.70.
(G) Force Constr. Co., Oakland, $10,935.95.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$18.00	$25.18	$25.00	$25.98	$24.00	$28.00	$30.00
(2)	2.30	2.86	3.00	3.41	2.80	3.50	4.45
(3)	2.50	3.10	3.60	4.17	3.50	3.50	4.85
(4)	2.00	2.07	2.16	1.80	2.00	4.00	3.05
(5)	2.00	1.10	1.00	1.59	1.00	1.00	1.25
(6)	11.40	13.50	21.00	11.14	15.00	17.00	15.50
(7)	.08	.036	.07	.057	.07	.10	.03
(8)	.08	.06	.01	0525	.16	.07	.16

COMPLETE BID LISTING

COCONINO and GILA COS., Ariz.—Skousen Bros., Albuquerque, N. M., at $29,165, as previously reported, submitted low bid to the Bureau of Public Roads, Phoenix, October 16, for placing a base course on Section D of Route 10, the Pine-Winslow National Forest Highway, Coconino and Tonto National Forests, Coconino and Gila Counties, Ariz., for a length of 6.585 miles. Total bids follow:

(A) Skousen Bros., Albuquerque, N. M., $29,165.00.
(B) Tiffany Const. Co., San Jose, $31-129.00.
(C) Pearson & Dickerson Contractors, Inc., Prescott, $34,500.00.
(D) H. J. Hagen, Globe, $42,200.00.
(E) Hodgman & MacVicar, Pasadena, $43,790.00.
(F) Engineer's estimate, $31,400.00.

Quantities follow:

(1) 11,200 tons subgrade reinforcement
(2) 13,000 tons crushed gravel base course;
(3) 3,5 00 tons selected material binder

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$1.15	$0.92	$1.10	$1.25	$1.45	$0.75
(2)...	1.25	1.40	1.48	1.90	1.50	1.50
(3)....	.01	.75	.84	1.00	2.30	1.00

C. H. Sweetser, District Engineer, Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, has recommended that all bids be rejected and the project readvertised.

CONTRACT AWARDED

BERKELEY, Alameda Co., Calif.—W. H. Larson, 432 Michigan Avenue, Berkeley, at $4,095.50 submitted low bid and awarded contract by Berkeley City Council for improving Shattuck Avenue between Bancroft Way and Carlton Street.

Total bids follow:

(A) W. H. Larson, Berkeley, $4,095.50.
(B) Ransome Co., Emeryville, $4,202.
(C) Independent Const. Co., Oakland, $4,270.50.

Unit quantities were:

(1) 16,600 sq. ft. grading;
(2) 10 c.y. grading below subgrade;
(3) 13,700 sq. ft. asph. conc. pave.;
(4) 325 l.f. concrete curb;
(5) 2 ea., junction boxes reconstructed.

Unit bids follow:

	(A)	(B)	(C)
(1).....	$ 0.036	$ 0.05	$ 0.04
(2).....	1.00	1.00	1.00
(3).....	.21	.20	.215
(4).....	.50	.60	.60
(5).....	25.00	28.50	25.00

29—STREETS AND HIGHWAYS

BIDS WANTED

BERKELEY, Cal. — Until October 30, 10 A. M., bids will be received by the Berkeley City Council for the improvement of The Alameda, between Monterey and Solano Ave. The work involves:

(1) 68,900 sq. ft. grading;
(2) 25 yds. grading below subgrade;
(3) 68,900 sp. ft. crusher run base;
(4) 68,900 sq. ft. bituminous surfacing

Plans and specifications obtainable from the City Engineer upon deposit of $10.

TAKING BIDS

SAN JOSE, Santa Clara Co., Cal.—Until November 1, bids will be received by the Southern Pacific Co., W. K. Kirkbride, Chief Engineer, 65 Market St., San Francisco, for grading right-of-way between The Ala-

meda and Lick Station on Monterey Road in San Jose. The contract involves moving approximately 90,000 cu. yds. of earth. Bids are being taken from a selected list of contractors.

BIDS OPENED

SAN FRANCISCO—Eaton & Smith, 715 Ocean Ave., at $867.72 submitted only bid to the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the improvement of Cayuga Ave., between Gorham St. and the easterly line of Milton St. Urit bids follow:

(1) 109 lin. ft. armored concrete curb, $1.50.
(2) 57 lin. ft. 6-in. V.C.P. side sewer, .01.
(3) 1635 sq. ft. asphalt concrete pavement, .39.
(4) 440 sq. ft. one-course conc. sidewalk, 6-ft. wide, .15.

AWARD

SKAMANIA CO., Wash.—Hazard & Wachter, Stevenson, Wash., at $20,952 awarded contract by the Bureau of Public Roads, Portland, for constructing or improving Wind River Highway Reconstruction and Subgrade Reinforcement Project 30-A4, B1, National Forest Road Project, located in the Columbia National Forest, Skamania County.

BIDS WANTED

SAN MATEO COUNTY, Cal.—Until November 14, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 2.7 miles of grading and surfacing with crusher run base and bituminous surface treatment applied in San Mateo County between three miles east of Half Moon Bay and Summit.

The work involves:

(1) 27 acres clearing and grubbing;
(2) 385,000 c.y. rdwy. excavation, unclassified;
(3) 1,500,000 sta. yds. overhaul;
(4) 4,560 c.y. structure excavation;
(5) 10,500 tons crusher run base;
(6) 118 tons emulsified asphaltic road oil;
(7) 1,600 tons screenings;
(8) 52 tons fuel oil;
(9) 70 c.y. Class A Portland cement concrete (structures);
(10) 5,200 lbs. bar reinforcing steel (structures);
(11) 17 each spillway assemblies;
(12) 760 l.f. 8-in. CMP;
(13) 1,750 l.f. 18-in. CMP;
(14) 1,000 l.f. 24-in. CMP;
(15) 130 l.f. 30-in. CMP;
(16) 220 l.f. 60-in. CMP;
(17) 224 l.f. 72-in. CMP;
(18) 14 l.f. CMP, clean and relay;
(19) 3,400 l.f. 8-in. perforated metal pipe;
(20) 820 l.f. furnishing untreated Redwood piles;
(21) 20 each driving do;
(22) 38 MFBM Redwood timber, dense select, all-heart, structural grade
(23) 21 MFBM Redwood timber, select all-heart, structural grade;
(24) 180 c.y. rubble masonry wall;
(25) 4,000 l.f. solid timber guard rail;
(26) 200 each, timber guide posts;
(27) 35 each, culvert markers;
(28) 4.6 miles new property fence;
(29) 0.5 mile special property fence;
(30) 6 each fence gates, complete, in place;
(31) 3,400 M. gallons water;
(32) 148 stations finishing roadway;
(33) 80 each, monuments, complete, in place.

Plans and specifications obtainable from the above office, and on file at the offices of the district engineers in San Francisco and Los Angeles.

BIDS WANTED

STOCKTON, Cal.—Until November 5, 5 P. M. (to be opened at 8 P. M.)

LOS ANGELES COUNTY—0.5 Mi. Grade and Pave—(State)

LOS ANGELES CO., Calif. — Sully Miller Contracting Co., 1500 W. 7th St. Long Beach, at $54,293.50, as previously reported, submitted low bid to the State Highway Engineer, State Building, Los Angeles, for 0.5 mile in length grading and paving with Portland cement concrete in the City of Long Beach between Loma Ave. and Hathaway Ave.

The work involves:

(1) 35 stations clearing and grubbing right-of-way;
(2) 25,500 cu. yds. roadway excav. unclass.;
(3) 194,000 sta. yds. overhaul;
(4) 600 cu. yds. structure excav.;
(5) 19,000 sq. yds. subgrade for pavement;
(6) 3775 cu. yds. Class A Portland cement concrete (pavement);
(7) 680 cu. yds. do (curbs, gutters and walks);
(8) 150 cu. yds. Class A Portland cement concrete (structures);
(9) 90,500 lbs. bar reinforcing steel (pavement and structures);
(10) 31,000 lbs. misc. iron and steel structures;
(11) 102 lin. ft. 18-in. reinforced concrete pipe;
(12) 80 cu. yds. removing and disposing of concrete;
(13) 310 M. gals water;
(14) 70 tons fuel oil;
(15) 8550 sq. yds. preparing, mixing and shaping shoulders.
(16) 35 stations finishing roadway.

Total bids follow:

(A) Sully Miller Contracting Co., Long Beach, $54,293.50.
(B) Griffith Co., Los Angeles, $55,882.00.
(C) J. L. McClain, Los Angeles, $60,648.50.
(D) B. G. Carroll, San Diego, $61,028.24.
(E) Basich Bros., Torrance, $61,897.05
(F) Matich Bros., Elsinore, $65,788.75
(G) Byerts & Dunn, Los Angeles, $66,814.50.
(H) Geo. R. Curtis Paving Co., Los Angeles, $68,934.50.
(I) C. O. Sparks, Los Angeles, $68,952.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$10.00	$10.00	$ 2.50	$ 2.00	$ 3.00	$ 1.00	$15.00	$ 5.00	$ 5.00
(2)	.19	.188	.24	.24	.22	.25	.25	.35	.35
(3)	.004	.006	.005	.003	.005	.005	.005	.006	.01
(4)	.70	.60	1.00	.65	.85	.75	1.00	.70	.75
(5)	.03	.10	.12	.10	.09	.10	.15	.09	.15
(6)	7.10	7.80	8.20	8.82	8.80	9.37	8.90	9.50	8.80
(7)	12.00	11.00	13.00	8.70	12.40	13.50	13.00	12.50	13.00
(8)	15.00	18.00	18.00	16.50	18.65	18.00	20.00	21.50	18.00
(9)	.046	.037	.04	.05	.047	.05	.05	.045	.05
(10)	.09	.08	.09	.07	.08	.08	.09	.075	.10
(11)	2.25	2.50	3.00	2.22	2.60	2.00	3.50	3.00	2.75
(12)	1.00	2.00	1.00	1.75	3.40	2.00	3.00	2.40	1.50
(13)	1.00	.80	.50	.20	1.00	.50	1.00	1.00	.75
(14)	9.00	9.50	9.00	8.84	7.50	8.50	10.00	10.25	10.50
(15)	.05	.05	.05	.05	.047	.06	.10	.10	.08
(16)	10.00	3.00	2.50	2.00	1.00	5.00	8.00	5.00	5.00

FRESNC — STORM SEWERS — (CITY)

FRESNO, Cal. — Stewart & Nuss, Inc., and John Jurkevich, 410 Thorne Ave., Fresno, at $29,169, submitted low bid, as previously reported, to the Fresno City Council, October 20, for the construction of a storm water sewer system(North End District) PWA Project 6751, in the City of Fresno. The work involves:

(1) 1756 lin. ft. 30-in. concrete pipe;
(2) 2664 lin. ft. 24-in. do;
(3) 651 lin. ft. 18-in. do;
(4) 247 lin. ft. 12-in. concrete sewer pipe;
(5) 59 lin. ft. 8-in. concrete sewer pipe;
(6) 5 concrete manholes;
(7) 6 brick manholes;
(8) 13 storm water inlets;
(9) 395 lin. ft. 24-in. C.M. and concrete culvert;
(10) 8 cast iron hand holes.

Total bids follow:

(A) Stewart & Nuss, Inc. and John Jurkevich, Fresno, $29,169.
(B) Valley Paving Co., Fresno, $29,801.66.
(C) Trewhitt - Shields Co., Fresno, Fresno, $31,189.45.
(D) H. Gould, Sacramento, $32,376.67

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(A)	$5.50	$4.50	$4.00	$3.00	$2.00	$100.00	$75.00	$75.00	$5.00	$20.00
(B)	6.75	4.56	3.29	2.29	1.60	60.00	60.00	40.00	4.20	20.00
(C)	6.87	4.56	3.65	2.60	2.31	74.50	59.00	66.00	5.25	12.00
(D)	6.73	5.51	4.60	2.94	2.53	50.00	50.00	18.00	2.78	16.00

Bids held under advisement.

ARIZONA — 4.2 MI. GRADE AND SURF. — (STATE)

ARIZONA STATE.—Lee Moor Contracting Co., 807 Bassett Tower Bldg., El Paso, Texas, at $36,766.03, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, October 18, for highway construction beginning at point about 9¼ miles from the Ashfork - Jerome Highway, and extending in a northeasterly direction 4.2 miles, and consisting of the grading, draining, and placing of base material and oil processing by the road mix method.

The work involves:

(1) 34 c.y. rdwy. excav., unclass.;
(2) 9 c.y. strnc. do;
(3) 203 c.y. drainage do;
(4) 1586 c.y. borrow do;
(5) 17 c.y. Class A concrete, including cement;
(6) 250 lbs. reinforcing steel bars, CIP;
(7) 76 l.f. 30-in. CMP, CIP including bands;
(8) 1 each cattle guard (30-ft.) Sta. 762 plus 97; CIP except excav., reinf. steel and fence;
(9) 1 each cattle guard (15-ft.) Sta. 779 plus 00; CIP except excav., reinf. steel and fence;
(10) 3,000 l.f. grader ditches;
(11) 44,120 l.f. standard line fence CIP
(12) 12,664 c.y. aggregate base course;
(13) 50,346 c.y. mi. aggregate base course, haul;
(14) 410 c.y. shoulder material;
(15) 1588 c.y. mi. shoulder material, haul;
(16) 4545 c.y. mineral aggregate CIP;

(17) 81,803 gallons road oil (for road mix) CIP;
(18) 102 tons emulsified asphalt (for seal coat) CIP;
(19) 4,178 miles processing road mix;
(20) 357 c.y. screenings, CIP;
(21) 98 M. gals. sprinkling, CIP;
(22) 58 sq. yds. placing intersections;
(23) 100 c.y. stockpiled aggregate, CIP.

Total bids follow:

(A) Lee Moore Contr. Co., El Paso, $36,766.03.
(B) Martin Bros. Contr. Co., Long Beach, Calif., $40,258.08.
(C) Pearson & Dickerson Contractors, Inc., Prescott, $40,611.27.
(D) R. C. Tanner and W. E. Hall Co., Phoenix, $42,386.30.
(E) Phoenix-Tempe Stone Co., Phoenix, $45,477.18.
(F) Pleasant-Hasler Const. Co., Phoenix, $46,227.82.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .50	$ .50	$ .62	$ .50	$ .38	$ 1.00
(2)	1.00	1.00	1.24	1.50	1.25	1.00
(3)	.35	.40	.36	.50	.38	1.00
(4)	.30	.30	.36	.50	.38	.50
(5)	25.00	28.00	33.42	31.00	35.00	24.00
(6)	.06	.07	.06	.08	.07	.10
(7)	3.60	4.00	3.18	4.00	3.25	4.00
(8)	550.00	450.00	495.00	500.00	350.00	600.00
(9)	300.00	250.00	271.00	285.00	200.00	400.00
(10)	.05	.03	.037	.07	.12	.10
(11)	.065	.075	.062	.07	.09	.07
(12)	.48	.60	.66	.80	.85	.85
(13)	.10	.105	.10	.10	.09	.12
(14)	.50	.60	.66	.80	.85	.85
(15)	.10	.105	.10	.10	.09	.12
(16)	1.45	1.70	1.55	1.60	1.90	1.85
(17)	.07	.07	.076	.065	.075	.065
(18)	30.00	30.00	32.00	30.00	30.00	30.00
(19)	600.00	600.00	660.00	750.00	650.00	750.00
(20)	5.00	5.00	4.95	4.00	6.00	6.00
(21)	3.00	4.00	3.71	4.00	3.50	3.50
(22)	.30	.20	.25	.20	.25	.25
(23)	1.55	3.00	2.47	2.60	2.00	3.00

All bids held under advisement.

ARIZONA — TWO CONCRETE BRIDGES — (STATE)

SOLOMONSVILLE, Ariz.—William Peper Const. Co., Box 1564, Phoenix, at $7,982.50, as previously reported, submitted low bid to Arizona Highway Commission, Phoenix, October 18, for the widening of two concrete bridges within the town of Solomonsville, and the construction of two new concrete bridges at sites within one-half mile of the town on the Geronimo-Solomonsville Highway, NRH 67 (1935) AFE 1804.

The work involves:

(1) 369 c.y. struc. excav., unclass.;
(2) 506 c.y. drainage do;
(3) 3 c.y. Class AA concrete, including cement;
(4) 252 c.y. Class A do;
(5) 22,800 lbs. reinf. steel bars, CIP;
(6) 40 sq. yds. 6-in. concrete pavement CIP;
(7) 113 sq. yds. removal of old concrete pavement;
(8) 23 c.y. removal of old concrete.

Total bids follow:

(A) Wm. Peper Const. Co., Phoenix, $7,982.50.
(B) Pearson & Dickerson Contractors, Inc., Prescott, $8,225.60.
(C) Del E. Webb Const. Co., Phoenix, $8,757.00.
(D) Copper Cities Lime & Stone Co., Miami, Arizona, $8,800.45.
(E) Lee Moor Contracting Co. El Paso Texas, $8,884.40.
(F) Elliott Long, Safford, Ariz., $8,-904.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.00	$ 1.50	$ 2.00	$ 1.25	$ 2.00	$ 2.00
(2)	.50	.85	.35	.80	.60	1.00
(3)	60.00	74.50	35.00	60.00	80.00	35.00
(4)	21.00	19.00	23.00	24.00	23.50	20.00
(5)	.065	.07	.065	.06	.06	.09
(6)	3.00	3.00	2.00	2.75	3.25	3.00
(7)	.50	1.50	.30	.80	.60	1.00
(8)	10.00	15.00	15.00	6.00	5.00	10.00

All bids held under advisement.

City Council, B. L. Trahern, City Clerk, for the improvement of portions of Wilson Way, between the south line of Anderson St. produced easterly and a line drawn parallel to and distant 10.1 feet northerly, at right angles, from the south line of Jefferson St. produced easterly.

The work involves grading, constructing combined curb and gutter, and paving.

Plans and specifications obtainable from the above office. *

BIDS WANTED

UMATILLA AND UNION COS., Oregon—Until October 31, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, Dist. Engineer, for constructing or improving the Weston-Elgin Grading Project FHEC-37-A2, D, National Forest Rd. Project, within the Umatilla National Forest, Umatilla and Union Counties, Oregon. The length of the project is approximately 7.4247 miles, and involves:

(1) 60 acres clearing;
(2) 40 acres grubbing;
(3) 195,800 cu. yds. unclassified excavation;
(4) 240,000 sta. yds. overhaul;
(5) 7.4247 mi. finishing earth graded road;
(6) 30,000 lin. ft. rounding cut slopes
(7) 200 each dangerous trees and snags;
(8) 20 acres roadside cleanup;
(9) 55 cu. yds. Class A concrete;
(10) 6500 lbs. reinforcing steel;
(11) 50 cu. yds. cement rubble masonry headwalls;
(12) 660 lin. ft. reinforced concrete pipe;
(13) 1820 lin. ft. culverts (alternate);
(14) 220 lin. ft. reinforced concrete pipe, extra strength;
(15) 5000 cu. yds. overruns in slides and overbreakage.

bids will be received by the Stockton

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

BURLINGAME, Cal.—Until November 5, 8 P. M., as previously reported, bids will be received by the Burlingame City Council for the improvement of El Camino Real in the City of Burlingame, from the Hillsborough line near Oak Grove Ave. northerly to a point near Edgehill Drive on said El Camino Real. The work involves:

(1) Asphaltic concrete; total, 1995 tons:
(1-A) 960 tons Type A wearing surface, 2-in. thick, 39-ft. wide;
(1-B) 65 tons Type A gutters;
1-C) 970 tons leveling course.
(2) Partland cement concrete, Class A, total, 186 cu. yds.:
(2-A) 166 cu. yds. 5-in. curbs and 30-in and 12-in. gutters;
2-B) 43 cu. yds. sidewalks 4-in. thick;
(2-C) 19.5 cu. yds. sidewalks; varying thickness on existing sidewalks;
(2-D) 7.5 cu. yd. driveways, 5-in. thick.
(3) 148 lin. ft. 15-in. concrete culvert pipe;
(4) 44 lin. ft. 12-in. concrete culvert pipe—extra strength;
(5) 4 each standard catchbasins (curb inlet type);
(6) 1 Manhole;
(7) 1 Rebuild catchbasin;
(8) 300 cu. yds. earth excavation;
(9) 1100 sq. ft. removal of existing concrete pavement base;
(10) 19 Remo al of trees.

Plans and specifications obtainable from City Engineer Chas. M. Thomas

BIDS WANTED

DESCHUTES COUNTY Ore.—Until November 1, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 6.62 miles of grading on Unit No. 4, Redmond - Bend Section of The Dalles-California Highway; U.S.P.W. Project 123-D. The work requires approximately 140,000 c.y. excavation, including 100,000 c.y. common borrow.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

REJECTION RECOMMENDED

COCONINO and GILA COS., Ariz.—The Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, C. H. Sweetser, District Engineer, has recommended that all bids received by Bureau of Public Roads, Phoenix, October 16, for placing a base course on Section D of Route 10, Pine-Winslow National Forest Highway, Coconino and Gila Counties, be rejected.

Three low bids were published Oct. 17. Complete bids will be published shortly. Skousen Bros., Albuquerque, N. M., were low bidders at $29,165.

BIDS WANTED

BERKELEY, Cal.—Until November 7, 10 A. M., bids will be received by the Berkeley City Council, for the improvement of Tunnel Road from The Uplands to east city limits. The work involves:

(1) 9400 sq. ft. grading;
(2) 10 yds. grading below subgrade;
(3) 15 cu. yds. excavation and backfill in damp area;
(4) 3600 sq. ft. paving;
(5) 15,000 sq. ft. resurfacing;
(6) 20 lin. ft. tile drain.

Plans and specifications obtainable from the City Engineer upon deposit of $10. *

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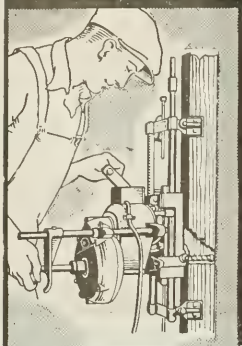

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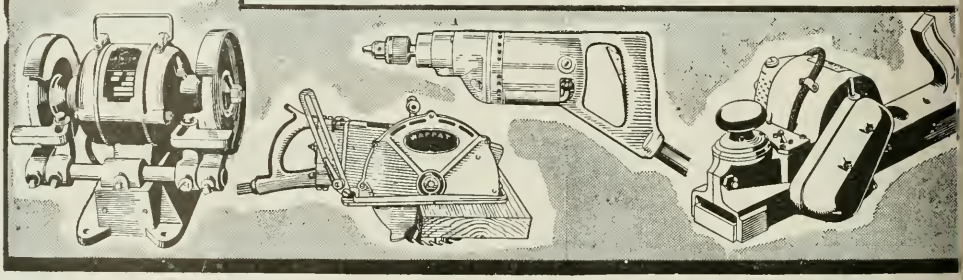

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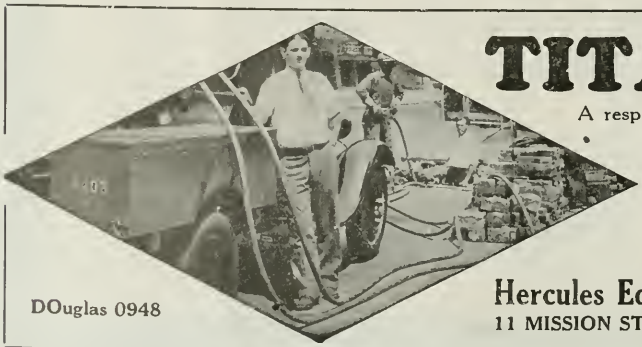

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$72,000,000 Bonds For Construction In State On General Election Ballots

Included on Tuesday's general election ballots in various localities throughout the state will be more than $72,000,000 in bond proposals to finance construction projects. Heading the list is the $30,000,000 State veterans welfare proposal, while other bond issues will finance schools, utilities districts, a hospital, a city hall, a water system, and an outfall sewer.

The State veterans welfare proposal would provide $30,000,000 to be loaned to veterans for home construction. It is reported that there are at present on file some 12,000 applications for veterans loans, and since individual loans under the provisions of the act may reach as high as $5,000 passage of the bond proposal would automatically release a large amount of money for new construction.

The Sacramento ballot will carry a $12,000,000 bond proposal to finance construction of a municipally owned power and light system, to be operated by the recently formed Sacramento Municipal Utility District. Construction of a power plant to cost approximately $3,000,000 is planned, with the entire generating and distributing system representing an investment of about $10,000,000. The remainder of funds received through sale of the bonds is to be used as operating capital.

In Berkeley, $2,842,000 bonds to finance school construction and rehabilitation will be passed upon by voters. Funds received will be divided between the elementary and high school districts. A grant of $228,000 to the high school district has been approved by the Public Works Administration, and application has been made by the elementary school district for PWA assistance.

A $250,000 bond proposal will appear on the Santa Clara County ballot. Proceeds derived from the sale of the bonds will be used for construction of a new wing at the County Hospital near Milpitas.

San Mateo voters will pass on an $85,000 bond issue to finance construction of an outlet sewer and connections to the Burlingame-Hillsborough disposal plant.

In San Leandro the ballot will carry a $24,000 bond proposal for construction of a new city hall.

Other bond proposals to appear on Tuesday's ballots will be the $26,332,500 Los Angeles flood control bonds, $1,000,000 San Diego water, $198,000 Burbank improvement, and $45,000 Truckee utility district.

AQUEDUCT CEMENT BIDS NOVEMBER 27

Pacific Coast cement manufacturers will bid November 27 on an order of 5,000,000 barrels of portland cement to be furnished by the Metropolitan Water District to contractors on the Colorado River Aqueduct. Awards are to be made for a minimum of 1,120,000 barrels. Bidders will be required to deposit security with their bid of two cents a barrel to the total of the quantity bid, but with a minimum check of $25,000.

Bids will be opened at the offices of the district in Los Angeles by Frank E. Weymouth, general manager and chief engineer.

Open Proposals On South State Highway Projects

LOS ANGELES, Nov. 1.—Bids on two highway projects, located in Los Angeles and San Diego counties, to cost approximately $129,000 were opened here today by the State Highway Engineer.

Oswald Brothers of Los Angeles, at $85,504 submitted low figure on a contract for grading and paving about four and four-tenths miles in Los Angeles county between Newhall Tunnel and Saugus.

On a contract for grading and surfacing about one and nine-tenths miles in San Diego, low bid was submitted by V. R. Dennis Const. Co. of San Diego, at $43,862.

S. F. BUILDING FOR OCTOBER TOTAL $1,863,000

Awards on Two Major City Projects Brings Figure to High For Year

San Francisco building permits in October exceeded the million-dollar mark for the firstime in any month of the calendar year, the total including awards by the city for construction of the George Washington high school and the psychopathic and cancer wards at the county hospital. Both of these contracts exceeded $700,000.

The value of all permits for the month was $1,863,525, according to the report of the central permit bureau to Wm. H. Worden, director of public works. There were 454 permits issued.

The number and value of permits issued for other than public work compares faborably with September totals. Alteration work gained moderately over September both in number of jobs and amount of expenditure. Residential building, as indicated by permits for frame structures remained at the September level, which was better than for any recent month.

Comparative figures for these two classes of work in September and October follow:

	Sept.	October
Frames	$125,150	$116,424
Alterations	153,891	176,400

Following is a comparison of work in all classifications for the months of October, 1934, and October, 1933:

	October, '34		October, '33	
Class.	No. P'mts	Est. Cost	No. P'mts	Est. Cost
A		$	2	$ 40,000
B	1	120 000	1	1,200
C	6	45,475	4	25,500
Frames	33	116,424	46	202,776
Alteration	411	176,400	382	178,349
Public	3	1,405,226	1	1,986
Harbor				
U. S. Govt.			3	24,233
Total	454	$1,863,525	439	$474,035

FT. MILEY WAGE DECISION GIVEN BY MISS PERKINS

State Labor Commissioner Will Proceed With Claims Under Bacon-Davis Act

State Labor Commissioner Jos. J. Creem yesterday announced receipt of the decision by Secretary of Labor Frances Perkins in the Fort Miley Veterans Hospital wage dispute.

The labor commissioner brought the case before the secretary for a ruling under the Bacon-Davis act, commonly referred to as the Federal prevailing rate law. "The decision," Mr. Creem declared, "bears out every contention advanced by the Division of Labor Statistics and Law Enforcement."

These contentions were that all of the workmen who used carpenters' tools in the construction of the Veterans' Hospital at Fort Miley were carpenters and must be classed and paid as such at $7.20 per day; that all mechanics on the job were entitled to double pay for Saturday, Sunday and Holiday work under the prevailing scale in force in San Francisco; that laborers were entitled to double pay for Sunday and Holiday work; and that all laborers employed in the construction of the hospital were to be classed as building laborers at $5.00 per day, rather than as common laborers as they were classified by the contractor in many instances.

The following statement was issued by Mr. Creem:

"The Secretary stated in her decision that so-called carpenters' helpers could not be recognized and the the term carpenters embraces all men whose duties in the course of employment require the nse of hammers, saws or other carpenters' tools. This, in effect, adopts for the nation the definition of carpenters which has been firmly established in California under the state prevailing rate law ever since it was passed three years ago. A stand was taken at that time by the Division that the use of tools determined in large measure the classification of the worker and it is this rule that is now being adopted as a National policy, according to Commissioner Creem. The Commissioner, his chief attorney, Arthur L. Johnson, Frank C. MacDonald, Industrial Accident Commissioner, general president of the State Building Trades Council and tormer labor commissioner, and other labor leaders appeared at a public hearing in the matter held in the Federal Building at San Francisco on October 1, 2 and 3 and gave testimony to this effect before the Referee for the Department of Labor, Gerard D. Reilly, who made a special trip to California to hear the matter and made his recommendations to the Secretary of Labor at Washington.

"Today's decision means that some 84 labor claims totaling $22,021.83 filed in his office against the Herbert M. Baruch Corporation of Los Angeles, general contractor, and subcontractors on the Fort Miley job have a definite legal status as the Secretary of Labor is given the power under the Bacon-Davis Act to make findings which are binding on the awarding body. In this case it is the Veterans Bureau at Washington, of which General Frank T. Hines is at the head, the contractors and their bondsmen."

Demand will now be made on the bonding company for the general contractor on the job by Attorney Johnson and Commissioner Creem will also look to General Hines for cooperation in collecting claims.

The contract for the construction of the $1,500,000 hospital was completed in August, but the Federal Labor and Material Bond Law provides for a six months' waiting period before suit can be brought in the United States District Court. Efforts will, however, be made in the meantime by the labor commissioner to adjust the matter with the bonding company out of court, Mr. Creem indicated.

Open Proposals On Gate Bridge Tower Elevators

Bids were opened yesterday at the monthly meeting of the directors of the Golden Gate Bridge and Highway District for furnishing and installing service elevators in the bridge towers.

Low bid was submitted by the Otis Elevator Company, 1 Beach Street, San Francisco, at $94,842. The only other bid received was that of the Westinghouse Electric Elevator Company, 1 Montgomery Street, San Francisco, at $101,000.

Both bids were referred to the building and finance committees for consideration. Action on the bids was postponed until the next meeting of the directors.

The unusual lift involved, more than 700 feet, will make the installation unique on the Pacific Coast, according to Chief Engineer Jos. B. Strauss. One elevator will be installed in each tower.

Among the items included in the contract are furnishing and installing cars and counterweights; guide rails; cables and the various sheave assemblies and deflectors; elevator machines, controllers, governors and switches; conduits and wiring for power and light; structural work in the towers; telephone system; and hatchway doors, guards and miscellaneous work items.

The cost of the work previously had been estimated at $40,000, but subsequent necessary changes in the plans and specifications resulted in the cost increase, Mr. Strauss stated.

FINISH THIRD STEEL TOWER OF BAY SPAN

South Drift of Tunnel To Be Holed Through During This Week

Completion of Pier W-1, the huge concrete structure at Spear Street and the Embarcadero, San Francisco, to the point of placing the steel cable bent, and the completion of the erection of Tower W-6, just west of Yerba Buena Island, marked the progress of the San Francisco-Oakland Bay Bridge last week, according to the report of Chief Engineer C. H. Purcell to be filed with State Director of Public Works Earl Lee Kelly today.

San Francisco

The sheet pile cofferdam for Pier A, just west of Main Street, was completed by Healy- Tibhitts Construction Company.

Viaduct construction, west of the anchorage on Rincon Hill, was continued, and Pier W-1, on Spear Street is ready for the placing of the steel cable bent on its top.

West Bay Substructure

The concrete center anchorage (Pier W-4) has now been raised to 97 feet above water, 2900 cubic yards of concrete having been placed during the past week by Transbay Construction Company.

West Bay Superstructure

Tower W-6, immediately west of Yerba Buena Island, was raised to full height, 474 feet, and the saddle castings have been elevated to the top.

The Columbia Steel Company are now ready to dismantle their erection equipment from Tower W-6 and move it east to Pier W-5 where tower erection will soon start.

Riveting at Tower W-3 is now 85 per cent complete.

Yerba Buena Island

The south side drift of the vehicular tunnel has been carried at full height a distance of 460 feet, with 80 feet to go. Clinton Construction Company expect this drift to be holed through during the coming week. Sides of both the north and south drifts are now being trimmed preparatory to placing the concrete side walls.

East Bay Substructure

The sealing of Pier E-2, on the eastern shore of Yerba Buena Island, has been completed, and the concrete operation was completed on Pier E-7 by Bridge Builders, Inc., East Bay substructure contractors.

East Bay Superstructure

Working at the rate of a span a week, Columbia Steel Company gangs completed another span, E-18, last week, and half of Span E-17 is in place. Seven hundred and fifty tons of steel were placed in the two spans during the week.

BIDS NOV. 26 ON SIPHONS FOR OWYHEE PROJ.

Reclamation Bureau Advertises Malheur River, Dead Ox Pipe Sections

The Bureau of Reclamation has called for bids, to be opened November 26 at Ontario, Oregon, for construction of the Malheur River and Dead Ox siphons near Ontario. The siphons are included in the government's Owyhee Project.

The Malheur River siphon will have a total length of approximately four and one - third miles and the Dead Ox siphon will be about 825 feet in length. Inlets and outlets of the siphons will be of reinforced concrete, with a short length of monolithic reinforced concrete siphon barrel at the ends of each siphon.

Specifications provide for bids on two alternate designs for construction of the Malheur River siphon and on two alternative designs of supporting rings for the plate-steel pipe for the siphon. The schedules also are arranged to permit separate bids on earthwork and concrete construction and on furnishing and erecting or laying the plate-steel or pre-cast concrete pipe.

The alternative design for the Malheur River siphon providing for welded plate - steel pipe construction will involve furnishing and erecting approximately 22,000 feet of 80-inch diameter pipe for hydrostatic heads varying from 52 to 273 feet. The pipe will be supported on concrete piers constructed about 60 feet apart. The alternative design providing for precast reinforced concrete pipe construction will involve manufacturing and laying approximately 20,000 feet of 78-inch inside diameter concrete pipe and approximately 1,800 feet of 80-inch diameter welded plate-steel pipe at the river crossing. The concrete pipe will be imbedded in the ground and the steel pipe will be supported on concrete piers.

The Dead Ox siphon will be constructed of 70-inch diameter welded plate-steel pipe.

TRUCKING CODE SUIT CONTINUED

Hearing of the suit of the California State Authority for the Trucking Code to estrain awards on San Francisco for-hire trucking contracts yesterday was continued to November 15 by Superior Judge Van Nostrand. The code authority has petitioned the court to enjoin the city purchasing agent from making awards to low bidders for truck rental, alleging that the bids do not comply with code regulations.

Cities Propose Utility District For Gas Supply

A resolution requesting the Tulare county board of supervisors to call an election for formation of a utility district to supply cities of the South San Joaquin Valley with natural gas has been passed by the Porterville city council. Similar resolutions will be presented to six other cities in the region for passage.

Co-operation of the seven cities in construction and maintenance of the district is planned.

About 90 miles of pipe would be required for the district, according to sponsors of the plan, with the cost of pipe and laying the system to the gates of the cities co-operating estimated at approximately $711,540. Total cost of transmission and distribution lines is placed at $922,000.

The group of cities planning the enterprise include Lindsay, Lemoore, Tulare, Exeter, Hanford, visalia and Porterville.

Gas for the project would be supplied from the Kettelman Hills area

BUILDING UPTREND NOTED IN SONOMA

A general uptrend in the building business in Santa Rosa and vicinity is reported by C. W. Hansen, secretary of the Sonoma County General Contractors Association. Work underway in Santa Rosa is estimated at $40,000 with several additional jobs to be started shortly. Building permits in October to date are far ahead of September. According to Mr. Hansen seventeen men have been re-employed by contractors within the past week.

MOOSER ELECTED ARCHITECTS HEAD

Architect William Mooser has been elected chairman of the Association of San Francisco Architects for the ensuing year. Other officers are John Knox Ballantine, Jr., secretary, and Albert R Williams, treasurer.

PROPOSE SEPARATE STEEL CONTRACTS

Separation of structural steel contracts from general contracts is a practice to be obtained thru adoption of a uniform proposal form and contract, according to a report submitted to the convention of the American Institute of Steel Construction by a special committee. The committee recommended that the members of the institute agree to require such a contract.

DIVISIONAL CODE ASSESSMENT RULE ISSUED BY NRA

General Contractors Exempted From Fee to Sub-Divisions In Special Order

The National Industrial Recovery Board has issued a ruling that a member of the construction industry will pay assessments for code administrative expense to that divisional code authority representing his principal line of business. This ruling resulted from the issue between the general contractors and mason contractors concerning assessments by the Mason Contractors Code Authority on general contractors who perform their own masonry work. However, the decision applies to all divisions of the construction industry unless a division thereof shall have been granted authority by the NRA to assess members of another division in an exemption from the provision of Administrative Order X-36, issued May 26, 1934.

Foreseeing the overlapping and conflicts in collecting code assessments, in particular where manufacturing companies were operating under a multiplicity of codes, Administrative Order X-36 was issued. However, there has never been any rule covering the application of this order to the construction industry, where the operations of general and special contractors are all under one code. No instructions have been issued as to how the "principal line of business" is to be determined.

The complete order follows:

Applicants: Divisional Code Authority for General Contractors, and Code Authority for the Mason Contractors Division of the Construction Industry.

Facts: Each of the above named divisional code authorities administers a divisional code under the Code of Fair Competition for the Construction Industry. A separate budget and basis of assessment has been approved for each applicant.

Question: Is a general contractor who engages in operations within the definition of the Divisional Code for the Mason Contractors Division of the Construction Industry but whose principal line of business is within the definition of the Divisional Code for the General Contractors Division of the Construction Industry, exempted by Paragraph III of Administrative Order No. X-36 from contributing to the expense of administration of the Divisional Code for the Mason Contractors Division of the Construction Industry?

Interpretation: The words "code authority" and "code" and "codes" where used in Paragraph III of Administrative Order No. X-36 are to be interpreted as including divisional code authorities, sub-divisional code authorities, divisional code, subdivisional code, divisional codes and subdivisional codes respectively.

The question is answered in the affirmative.

NATIONAL INDUSTRIAL RECOVERY BOARD
By G. A. LYNCH,
Administrative Officer.

NAT'L BOARD DENIES 8-HOUR WORK PLEAS

Requests For Modification of Forty-Hour Rule Refused

Since the establishment of the National Construction Planning & Adjustment Board of the Construction Code Authority, it has rendered decisions on 32 of the 58 requests for relaxation of the 40-hour maximum provision of the construction code. On the remaining 26, additional information has been requested, but not received, to enable the board to render a decision, or the requests, after examination, have been referred to other agencies when not within the board's jurisdiction. While the Board decides each case solely on its own merits, the records in the 32 decisions provide indications of the general policy which is being followed and serve as a guide to those bidding for construction projects in evaluating the possibilities of placing the project on a 48-hour basis.

The board has been reluctant to grant a 48-hour week on the plea that a sufficient amount of qualified labor is not available in the immediate vicinity of the work. Due to the over-supply of construction labor generally available and the relatively few projects under way, the board has ruled in several cases that sufficient qualified labor could be obtained if the numerous sources of labor supply were tapped. Inforamtion received by the board indicates that even skilled labor is highly mobile, and on the first announcement of a project, particularly one which may provide continuous employment over some months time, labor is on hand even before the project is open. Accordingly, requests have been denied in cases which under a normal construction program might ordinarily be approved. No permission has been granted in any case involving building construction.

Three requests were received from companies which operate maintenance crews engaged principally in rehabilitation of acquired farm properties, asking a blanket permission to work 48 hours per week. These applications were all denied on the basis that the code does not give the board the authority to grant blanket exemptions, but only exemptions for specifically named projects; also that no extraordinary circumstances were involved, and it was desirable to spread construction employment by working a shorter week.

Even where projects were inaccessible to towns from which labor supply can be drawn, or where inadequate transportation facilities preclude traveling back and forth to the job, each request has been carefully examined under the policy of NRA and the construction code to spread employment. However, the borad has apparently recognized the social problem which exists in large construction camps, and the desirability of working a 6-day week from a standpoint of maintaining better camp conditions.

Out of a total of 32 cases on which decisions have been made, 16 which were passed and 16 denied, 3 of which were passed for lack of jurisdiction. The 32 cases were made up of 19 heavy construction projects, 3 highway projects, 4 building projects and 6 others. Thirteen of the 19 heavy construction cases were granted, and only 3 of the 13 requests from all other types of work.

MILLION DOLLAR PLANT PLANNED AT CLARKSBURG

Utah Firm Purchases Site For $1,500,000 Sugar Refinery

A $1,500,000 sugar beet refinery will be constructed in the near future for the Amalgamated Sugar Company of Ogden on a site near Clarksburg, Yolo county, purchase of which was announced last week. Construction of the plant will be completed by July 1, 1935, according to officials of the Utah concern. It is expected that about four hundred men will be employed on the project.

The factory will be of the Dyer type and will be of steel, brick and concrete construction, fireproof throughout, states H. A. Benning, general manager of the concern. Plans and specifications for the building have been prepared by the engineering department of the sugar company, and pouring of the concrete foundations is expected to start within three weeks.

A spur track to the factory site is to be built by the Sacramento Northern Railroad from its Holland Branch line, a distance of about one mile.

Pier facilities on the Sacramento River are to be constructed by the Amalgamated firm.

It is planned to locate the beet storage bins so that the beets can be delivered by direct truck delivery, railroad or river barge. The sugar warehouses are to be situated so outbound shipments may be made by both rail and water. The refinery will have a daily capacity of 1,600 tons.

Articles of incorporation of the Amalgamated Sugar Company, recently filed with Secretary of State Frank C. Jordan, show the concern to have a capitalization of $5,000,000. Eight refineries in Utah, Idaho and Montana are operated by the company.

BIDS NOV. 21 ON SUTTER AND KERN PROJECTS

Highway Commission Asks Proposals on Road, and Bridge Construction

SACRAMENTO, Oct. 30.—The State Highway Commission today called for bids on two projects located in Kern and Sutter counties. Bids on both contracts will be opened in Sacramento November 21.

The Kern county project calls for grading and surfacing about one and six-tenths miles between one mile east of Taft and one-half mile west of Taft. The work involves major items of approximately 27,500 cubic yards unclassified roadway excavation; 298,000 station yards overhaul, 4,425 tons crushed gravel or stone, 225 tons cut-back asphalt road oil, 4,650 tons mixing cut-back asphalt road oil and crushed gravel or stone, 255 tons of fuel oil, 32,000 square yards preparing, mixing and shaping of roadbed, 1184 feet of corrugated metal pipe, 16,500 feet of dense structural redwood timber, 25,000 feet structural redwood timber, 940,000 gallons water, and other items. No NRA certificate of compliance will be required on this contract.

The Sutter county project involves construction of the steel and concrete superstructure and portions of the abutments of a bridge across Tisdale Weir on the highway between Knights Landing and Meridian. The bridge will consist of twenty-eight 39-foot spans and two 45-foot 9-inch spans. The work involves 412 cubic yards Class "A" Portland cement concrete, 68,000 pounds bar reinforcing steel, 244,000 pounds structural steel, 2,420 feet of timber railing, and miscellaneous work items.

PUBLISH DIRECTORY OF CIVIL ENGINEERS

The 1934 California roster of civil engineers and land surveyors has been published by the State Board of Registration for Civil Engineers and is available now from the offices of the board.

Those licensed as structural engineers are listed in a separate section.

Names of all registered engineers are listed alphabetically with full addresses. A reference list by counties and another list arranged according to license numbers, also are included.

Offices of the Civil Engineers Board are Ralph J. Reed, Los Angeles, president; Henry D. Dewell, San Francisco, vice-president; Asa G. Proctor, Woodland. H. M. Jones is secretary with headquarters in the State Building, Los Angeles. Pecos H. Callahan is assistant secretary, with headquarters in the State Building, Sacramento.

COLORADO AQUEDUCT BIDS

Following is a complete tabulation of the total bids on each schedule received by the Metropolitan Water District October 31, under Specifications No. 75, for the construction of cut-and-cover concrete conduit, precast and monolithic concrete siphons, steel pipe siphons and appurtenant works of the Colorado River Aqueduct Station 9289+29 to 12122+00. The work is located in Riverside County, and comprises approximately 30.5 miles of aqueduct construction between a point about 30 miles northwest of the City of Indio, California, located on the Southern Pacific Railway, and a point about 10 miles south of the City of Riverside.

SCHEDULE 18

Construction of cut-and-cover conduit and appurtenant works, between Stations 9289+29 and 9661+80; length 26,914 feet.

Note: A proposal under Schedule 18 will not be considered unless the bidder also submits proposals on Schedules 18A or 18P.

(1) 1,060,000 cu. yds. excav. for conduit—common;
(2) 2000 cu. yds. excav. for conduit—rock;
(3) to (7) Do not apply here;
(8) 690.00 cu. yds. backfill for conduit;
(9) 2500 cu. yds. compacted backfill for struc.;
(10) and (11) Do not apply here;
(12) 115,100 cu. yds. concrete in conduit;
(13) 50 cu. yds. concr. in struc.—reinforced;
(14) 70 cu. yds. concr. in struc.—plain;
(15) and (16) Do not apply here;
(17) 250,000 lbs. placing reinf. steel in conduit;
(18) 96,000 lbs. placing metal for construction joints;
(20) 194,000 lbs. placing metal for dummy joints;
(21A) Does not apply here;
(21B) 6200 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 1900 ton-mi. hauling steel;
(33) 215,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd. mi.;

(A) Mittry Bros. Construction Co., Los Angeles....$806,862.00
(B) J. F. Shea Co., Inc., Mecca 836,041.00
(C) Hunwin-Conkey Constr. Co., Cleveland, Ohio..... 871,337.00
(D) Shofner & Gordon & Hinman Bros. Co., Los Angeles 882,293.00
(E) Morrison - Knudsen Co., Los Angeles 915,705.00
(F) Bates & Rogers Constr. Co., Chicago 933,144.00
(G) Griffith Co., L. A..... 954,470.00
(H) West Construction Co., Whitewater, Calif. 972,293.00
(I) S. S. Magoffin Co., Adrian, Oregon 975,878.00

SCHEDULE 18A

Construction of two circular monolithic siphons and appurtenant works, between Stations 9289+29 and 9661+80; Siphon diameter 12 feet 4 inches, total length of 650 feet:

Note: Schedules 18A and 18P are alternative and will not be awarded separately from Schedule 18.

(1) 13,000 cu. yds. excav. for siphons—common;
(2) 100 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for structures—common;
(6) 5 cu yds. excav. for structures—rock;
(7) Does not apply here;
(8) 6400 cu. yds. backfill for siphons;
(9) to (11) Do not apply here;
(12) 875 cu. yds. concrete in siphons;
(13) 860 cu. yds. concr. in structures—reinf.;
(14) 15 cu. yds. concr. in structures—plain;
(15) and (16) Do not apply here;
(17) 143,000 lbs. placing reinf. steel in siphons;
(18) 110,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 20,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 1000 ton-mi. hauling steel;
(33) 3300 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd.-mi.;

length 650 feet:

(A) Mittry Bros. Constr. Co...$27,053.50
(B) J. F. Shea Co., Inc..... 38,318.00
(C) Hunkin - Conkey Constr. Co. 41,777.50
(D) Shofner & Gordon & Hinman Bros. Const. Co. 43,515.00
(E) Morrison-Knudsen Co..... 50,006.00
(F) Bates & Rogers Constr. Co. 56,151.85
(G) Griffith Co. 41,837.00
(H) West Construction Co... 39,824.50
(I) S. S. Magnoffin Co..... 41,353.50
(J) Fredrickson & Watson Constr. Co. & Fredrickson Bros., Oakland 38,423.00
(K) Southwestern Contracting Group, Inc., Los Angeles 43,889.05
(L) Foley Bros., Inc., St. Paul, Minnesota..... 51,905.70

SCHEDULE 18K

Construction of two precast concrete siphons and appurtenant works, between Stations 9289+29 and 9661+80. Siphon diameter 12 feet 0 inches; total length 9811 feet.

Note: Schedules 18K and 18S are alternative.

(1) 142,00 cu. yds. excav. for siphons—common;
(2) 42,700 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for struc.—common;
(6) 5 cu. yds. excav. for struc.—rock;
(7) Does not apply here;
(8) 80,000 cu. yds. backfill for siphons;
(9) to (12) Do not apply here;
(13) 906 cu. yds. concr. in struc.—reinforced;
(14) 4100 cu. yds. concr. in struc.—plain;
(15) Does not apply here;
(16) 9659 lin. ft. precast concr. pipe in siphons;
(17) Does not apply here;
(18) 116,000 lbs. placing reinf. steel in struc.;

(A) American Concrete & Steel Pipe Corp., South Gate $572,070.00
(B) United Concrete Pipe Corp Los Angeles..... 588,513.24

SCHEDULE 18S

Construction of two welded steel siphons and appurtenant works, bet. Stations 9289+29 and 9661+80. Siphon diameter 12-ft. 18in.; total length 9811 feet:

Note: Schedules 18S and 18K are alternative.

(1) 83,000 cu. yds. excav. for siphons—common;
(2) 19,300 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 4800 cu. yds. excav. for struc.—common;
(6) 1350 cu. yds. excav. for structures—rock;
(7) Does not apply here;
(8) 5100 cu. yds. backfill for siphons;
(9) to (12) Do not apply here;
(13) 1490 cu. yds. concr. in struc.—reinforced;
(14) 3610 cu. yds. concr. in struc.—plain;
(15) 1740 cu. yds. concr. in anchors—reinf.;
(16) and (17) Do not apply here;
(18) 340,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 19,000 lbs. installing misc. metal work;
(22) 169 assemblies, furnishing and installing ring girder assemblies;
(22A) for changes in weight of essemblies ordered hy the District, deduct from or add to the bidder's price under Item 22;
(23) 205,000 lbs. furnishing and installing stiffening, types "Sa" and "Sb" with field joints "A";
(23A) 81,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb" with field joints "B";
(23B) 73,000 lbs. furnishing and installing stiffeners, type "2Sa" with field joint "B";
(24) 14 expansion joints, furnishing and installing expansion joints;
(25) 3 manholes, furnishing and installing manholes;
(26) 6 connections, furnishing and installing blow-off connections;
(27) 9313 lin. ft. furnishing and installing ⅜-in. plate steel pipe;
(28) to (31) Do not apply here;
(33) 13,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd-mi.;
(35) for lump sum, constructing experimental section;

(A) Western Pipe & Steel Co., San Francisco.... .....$596,838.78
(B) Consolidated Steel Corp., Ltd. 623,510.85
(C) Babcock & Wilcox Co., Denver, Colorado 628,631.62

SECTION 19

Construction of cut-and-cover conduit and appurtenant works, between Stations 9682+40 and 10138+ 50; a length of 35,229 feet:

(1) 1,410,000 cu. yds. excav. for conduit;
(2) 4700 cu. yds. excav. for conduit—rock;
(3) 6300 cu. yds. excav. for wasteway channel—unclassified;
(4A) 8500 cu. yds. excav. for drain pipe—common;
(4B) 100 cu. yds. excav. for drain pipe—rock;
(5) and (6) Do not apply here;
(7) 7300 cu. yds. grading for railroad;
(8) 935,000 cu. yds. backfill for conduit;
(9) 14,000 cu. yds. compacted backfill for structures;
(10) Does not apply here;
(11) 225 cu. yds. riprap;
(12) 152,000 cu. yds. concrete in conduit;
(13) 810 cu. yds. concrete in structures—reinforced;
(14) 140 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 530,000 lbs. placing reinf. steel in conduit;
(18) 107,000 lbs. placing reinf. steel in struc.;
(19) 126,000 lbs. placing metal for construction joints;

(Continued on Page 8)

Colorado Aqueduct Bids

(Continued from Page 7)

(20) 254,000 lbs. placing metal for dummy joints;
(21A) 22,000 lbs. installing gates, hoists, and operating mechanisms;
(21B) 12,000 lbs. installing misc. metal work;
(22) to (29) Do not apply here;
(30) 1000 lbs. placing hand railings;
(31) 450 lin. ft. laying 8-in. drain pipe;
(32) 2800 ton-mi. hauling steel;
(33) 204,000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd.-mi.;

(A) J. F. Shea Co., Inc.....$1,113,757.00
(B) Mittry Bros. Con. Co. 1,117,744.00
(C) Hunkin-Conkey Const. Co. 1,183,726.00
(D) Morrison-Knudsen Co. 1,189,336.00
(E) West Constr. Co..... 1,198,444.50
(F) S. S. Magoffin Co..... 1,214,491.00
(G) Bates & Rogers Const. Co. 1,241,319.75
(H) Foley Bros., Inc..... 1,256,960.90
(I) Griffith Co. 1,304,292.50
(J) Shofner & Gordon & Bros. Constr. Co..... 1,383,702.50
(K) Southwestern Contr. Group, Inc..... 1,387,450.95

SCHEDULE 19A

Construction of one circular monolithic siphon and appurtenant works, between Stations 9682+40 and 10138+50. Siphon diameter 11 feet 5 inches; total length, 2235 feet.

Note: Schedules 19A and 19P are alternative.

(1) 45,000 cu. yds. excav. for siphon—common;
(2) 250 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here;
(8) 22,000 cu. yds. backfill for siphon;
(9) 900 cu. yds. compact backfill for struc.;
(10) and (11) Do not apply here;
(12) 4030 cu. yds. concrete in siphon;
(13) 440 cu. yds. concrete in struc.—reinf.;
(14) 45 cu. yds. concr. in struc.—plain;
(15) and (16) Do not apply here;
(17) 905,000 lbs. placing reinf. steel in siphon;
(18) 60,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 2500 ton-mi. hauling cement;
(33) 6000 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at ten cents ($0.10) per cu. yd-mi.;

(A) J. F. Shea Co., Inc.....$77,170.00
(B) Hunkin-Conkey Constr. Co. 80,039.40
(C) S. S. Magnoffin Co..... 88,045.50
(D) Foley Bros., Inc..... 92,110.95
(E) A. Teichert & Son, Inc., Sacramento 95,230.00
(F) Dimmitt & Taylor, L. A. 99,603.00

SCHEDULE 19P

Construction of one precast concrete siphon and appurtenant works, between Stations 9682+40 and 10138+50. Siphon diameter 11 feet 1 inch, total length 2235 feet.

Note: Schedules 19P and 19A are alternative.

(1) 42,000 cu. yds. excav. for siphon—common;
(2) 230 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here
(8) 17,500 cu. yds. backfill for siphon;
(9) 900 cu. yds. compacted backfill for struc.
(10) to (12 Do not apply here;
(13) 435 cu. yds. concr. in struc.—reinforced;
(14) 830 cu. yds. cornr. in struc.—plain;
(15) Does not apply here;
(61) 2157 lin. ft. precast concr. pipe in siphon;
(17) Does not apply here;
(18) 60,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 11,000 lbs. installing misc. metal work;
(22) to (27) Do not apply here;
(28) 750,000 lbs. furnishing and placing reinforcement steel in cages;
(29) to (31) Do not apply here;
(32) 200 ton-mi. hauling steel;
(33) 5400 ton-mi. hauling cement;
(34) Overhaul of concrete aggregates, fixed at 10 cents ($0.10) per cu. yd.mi.;

(A) American Concrete & Steel Pipe Co.....$128,876.37
(B) United Concrete Pipe Corp. 149,277.00

SCHEDULE 20

Construction of two portions of a circular monolithic siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 4 inches, total length 18,561 feet.

Note: Schedules 20 and 20P are alternative.

(1) 300,000 cu. yds. excav. for siphon—common;
(2) 100 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 185,000 cu. yds. backfill for siphon;
(9) 1100 cu. yds. compacted backfill for struc.;
(10) and (11) Do not apply here;
(12) 33,520 cu. yds. concrete in siphon;
(13) 260 cu. yds. concr. in struc.—reinf.;
(14) 195 cu. yds. concr. in struc.—plain;
(15) and (16) Do not apply here;
(17) 4,405,000 lbs. placing reinf. steel in siphon;
(18) 31,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 24,000 lbs. installing misc. metal work;
(22) to (31) Do not apply here;
(32) 9000 ton-mi. hauling steel;
(33) 37,000 ton-mi. hauling cement;
(34) Does not apply here;

(A) J. F. Shea Co.....$545,915.20
(B) Morrison-Knudsen Co.... 633,957.00
(C) Shofner & Gordon and Hinman Bros. Constr. Co. 653,302.80
(D) American Concrete & Steel Pipe Co..... 733,076.00

SCHEDULE 20P

Construction of two portions of a precast concrete siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 0 inches; total length 18,561 feet.

Note: Schedules 20P and 20 are alternative.

(1) 273,000 cu. yds. excav. for siphon—common;
(2) 100 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for struc.—common;
(6) and (7) Do not apply here;
(8) 165,000 cu. yds. backfill for siphon;
(9) 1100 cu. yds. compacted backfill for struc.;
(10) to (12) Do not apply here;
(13) 260 cu. yds. concr. in struc.—reinforced;
(14) 7915 cu. yds. concr. in struc.—plain;
(15) Does not apply here;
(16) 18,570 lin. ft. precast concr. pipe in siphon;
(17) Does not apply here;
(18) 31,000 lbs. placing reinf. steel in struc.;
(19) to (21A) Do not apply here;
(21B) 24,000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 4,795,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 39,000 ton miles hauling cement,
(34) Does not apply here;

(A) American Concrete & Steel Pipe Co.....$901,073.90

SCHEDULE 20K

Construction of two portions of a precast concrete siphon and appurtenant works, between Stations 10812+65 and 11074+25. Siphon diameter 12 feet 0 inches; total length 7800 feet.

(1) 125,000 cu. yds. excavation for siphon—common;
(2) 1000 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 5 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 80,000 cu. yds. backfill for siphon;
(9) 1300 cu. yds. compacted backfill for structures;
(10) to (12) Do not apply here;
(13) 220 cu. yds. concrete in structures—reinf.;
(14) 3320 cu. yds. concrete in structures—plain;
(15) Does not apply here;
(16) 7746 lin. ft. precast concrete pipe in siphon;
(17) Does not apply here;
(18) 28,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 9000 lbs. installing miscellaneous metal work;
(22) to (27) Do not apply here;
(28) 2,295,000 lbs. furnishing and placing reinf. steel in cages;
(29) to (31) Do not apply here;
(32) 100 ton miles hauling steel;
(33) 16,000 ton miles hauling cement,
(34) Does not apply here;

(A) American Concrete & Steel Pipe Co.....$482,827.10
(B) United Conc. Pipe Corp. 482,843.86

SCHEDULE 21

Schedule of prices for the construction of three circular monolithic siphons and appurtenant works between Stations 11128+75 and 11431+25. Diameter 12 feet 4 inches; total length 14,585 feet.

Note: Schedules 21 and 21P are alternative.

(1) 242,000 cu. yds. excav. for siphons—common;
(2) 1200 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 125 cu. yds. excav. for structures—common;
(6) 15 cu. yds. excav. for structures—rock;
(7) 1500 cu. yds. grading for railroad;
(8) 151,000 cu. yds. backfill for siphons;
(9) 2400 cu. yds. compacted backfill for structures;
(10) and (11) Do not apply here;
(12) 26,640 cu. yds. concrete in siphons;

(Continued on Page 9)

Colorado Aqueduct Bids

(Continued from Page 8)

(13) 1275 cu. yds. cnocrete in structures—reinf.;
(14) 505 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 3,880,000 lbs. placing reinf. steel in siphons;
(18) 156,000 lbs. placing reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 37,000 lbs. installing miscellaneous metal work;
(22) to (31) Do not apply here;
(32) 2100 ton miles hauling steel;
(33) 7600 ton miles hauling cement;
(34) Does not apply here;
(A) A. Teichert & Son, Inc..$346,013.50
(B) Griffith Co. 374,833.60
(C) H. M. Baruch Corp., Los Angeles 377,641.00
(D) Foley Bros., Inc..... 386,636.00
(E) Gibbons & Reed Co., Burbank 392,439.00
(F) Barnard - Curtiss Co., Nyssa, Oregon 394,270.50
(G) J. F. Shea Co..... 406,415.00
(H) Shofner & Gordon & Hinman Bros. Const. Co., 430,378.20

SCHEDULE 22

Schedule of prices for the construction of one circular monolithic siphon and appurtenant works, between Stations 11551+00 and 11623+25. Siphon diameter 12 feet 4 inches; total length 7225 feet.

Note: Schedules 22 and 22P are alternative.

(1) 110,000 cu. yds. excav. for siphon—common;
(2) 500 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon;
(9) to (11) Do not apply here;
(12) 12,760 cu. yds. concrete in siphon;
(13) 435 cu. yds. concrete in structures—reinf.;
(14) 80 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 1,715,000 lbs. placing reinf. steel in siphon;
(18) 53,000 lbs. placng reinf. steel in structures;
(19) to (21A) Do not apply here;
(21B) 16,000 lbs. installing miscellaneous metal work;
(22) to (31) Do not apply here.
(32) 1800 ton miles hauling steel;
(33) 7500 ton miles hauling cement,
(34) Does not apply here;
(A) Dimmitt & Taylor.....$159,732.00
(B) Foley Bros., Inc..... 177,203.50
(C) Barnard-Curtiss Co..... 178,158.50
(D) Shofner & Gordon and Hinman Bros. Const. Co. 183,808.80
(E) Griffith Co. 190,058.00
(F) J. F. Shea Co., Inc..... 200,432.20
(G) H. M. Baruch Corp..... 203,414.00
(H) Fredrickson & Watson Constr. Co., & Fredrickson Bros. 204,437.50
(I) Southwestern Contracting Group, Inc..... 209,026.50
(J) Bates & Rogers Const. Co. 211,449.50
(K) Morrison-Knudsen Co.... 260,945.00

SCHEDULE 23

Construction of cut-and-cover conduit and appurtenant works, between Stations 11074+25 and 12122+00 length 33,161 feet:

Note: Schedule 23 will not be awarded separately from Schedule 23A.

(1) 1,225,000 cu. yds. excav. for conduit—common;
(2) 38,000 cu. yds. excav. for conduit—rock;
(3) and (4) Do not apply here;
(5) 80 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 775,000 cu. yds. backfill for conduit;
(9) 10,000 cu. yds. compacted backfill for structures;
(10) and (11) Do not apply here;
(12) 131,000 cu. yds. concrete in conduit;
(13) 60 cu. yds. concrete in structures—reinf.;
(14) 210 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 500,000 lbs. placing reinf. steel in conduit;
(18) 9000 lbs. placing reinf. steel in structures;
(19) 117,000 lbs. placing metal for construction joints;
(20) 214,000 lbs. placing metal for dummy joints;
(21A) Does not apply here;
(21B) 8000 lbs. installing miscellaneous metalwork;
(22) to (30) Do not apply here;
(31) 1530 lin. ft. laying 8-in. drain pipe;
(32) 1000 ton miles hauling steel;
(33) 70,000 ton miles hauling cement;
(34) Does not apply here;
(A) Morrison - Knudsen....$1,106,805.00
(B) J. F. Shea Co..... 1,115,858.00
(C) Griffith Co. 1,119,715.00
(D) Foley Bros., Inc..... 1,211,286.00
(E) Shofner & Gordon and Hinman Bros. Constr. Co. 1,215,212.50
(F) Bates & Rogers Const. 1,317,503.00
(G) Southwestern Contr. Group, Inc. 1,323,379.70

SCHEDULE 23A

Excavation of an outlet channel bet. Stations 11074+25 and 12122+00, total length 4,800 feet:

Note: Schedule 23A will not be awarded separately from Schedule 23.

(1) 163,000 cu. yds. excav.—common;
(2) 60,000 cu. yds. excav—rock
(A) Morrison - Knudsen.....$ 58,300.00
(B) Bates & Rogers Constr. Co. 69,346.00
(C) Griffith Co..... 74,860.00
(D) Southwestern Contracting Group, Inc..... 75,145.00
(E) J. F. Shea Co., Inc..... 75,450.00
(F) Foley Bros., Inc..... 102,710.00
(G) Shofner & Gordon and Hinman Constr. Co..... 107,600.00

STIPULATIONS

The following stipulations were submitted by the contractors with their bids:

Shofner & Gordon & Hinman Bros. Constr. Co., 6750 Wilshire Blvd., Los Angeles: We will accept award of any one of the following schedules or combinations of schedules; will accept 18 and 18A; will accept 19; will accept 20 will accept 21 and 22 combined, but not separate; will accept 23 and 23A; will accept 20, 21 and 22 combined as an award and deduct $50,000 from the combined total of these three schedules. If permitted to operate own sand and gravel plant on Schedule 19, will deduct $229,375.

Mittry Bros. Constr. Co., 5531 Downey Road, Los Angeles: Will accept Schedule 18 and 18A only, or will accept 19 only.

United Concrete Pipe Corp., Box 1, Station H, Los Angeles: We will not accept Schedule 19P without Schedule 18K. Will accept either 18K or 20K. If awarded 18K and 20K together, will deduct 5% of the total of these two schedules.

American Concrete & Steel Pipe Co., 1428 Arcade Station, Los Angeles: We will accept any one of the following schedules: 18K, 20, 20P or 20K at prices set forth in the bid. We will not accept 19P without 18K. In the event that we are awarded combinations of the above schedules the following deductions will be made: On item 16 of Schedule 18K: For Schedule 18K and 20K together deduct from item 16, $2.25 per ft.; Schedules 18K, 20K and 20P together deduct from 18K, item 16, $3.00 per ft. On Schedule 20K: For Schedules 20K and 18K together deduct from Schedule 20K, item 16, $6.30 per ft.; for Schedule 20K and 20P together deduct from 20K, item 16, $7.00 per ft.; for Schedules 20K, 20P and 18K together deduct from Schedule 20K, item 16, $7.50 per ft. On Schedule 20P: For Schedules 20P and 20K together deduct from Schedule 20P, item 16, $1.50 per ft.; for Schedules 20P and 20K and 18K together deduct from Schedule 20P, item 16, $2.00 per ft.

Barnard - Curtiss Co., Minneapolis, Minn.: We will accept both schedules or Schedule 21 alone, but not Schedule 22 alone. If awarded Schedules 21 and 22 deduct $7,500 from combined total.

Morrison-Knudsen Co., 441 W. Fifth St., Los Angeles: We will accept the award of Schedule Group 18 and 18A alone, 19 alone, 23 and 23A alone; 20, 21, and 22 together, 20 and 22 together, 20 alone or 21 alone, but not 22 alone. In case we are awarded siphon Schedules 21 and 22 together you may deduct $2.20 per c.y. from unit prices bid on Item 16 in each of these schedules. In case we are awarded 20 and 21 together you may deduct $1.20 per c.y. from unit prices bid on Item 16 in each of these schedules. In case we are awarded siphon Schedules 20 and 22 together you may deduct $1.00 per c.y. from Item 12 in each of these schedules. In case we are awarded siphon Schedules 21 and 22 together you may deduct $1.80 per c.y. from unit prices bid on Item 16 in each of these schedules.

Southwestern Contracting Group, Inc., 1304 Edwards & Wildey Bldg., Los Angeles: First: Schedules 21 and 22 must be awarded together. Second: For the award of Schedules 18, 18A and 19 deduct 6% from amount bid. Third: For the award of Schedules 18, 18A and 19 and 19A deduct 5.7% from the amounts bid. Fourth: For the award of Schedules 21, 22 and 23 and 23A deduct 2% from the amounts bid. Fifth: For the award of Schedules 18, 18A, 19, 21, 22, 23 and 23A deduct 4.25% from amounts bid.

Foley Bros., Inc., 900 New York Bldg., St. Paul, Minn.: This tender is submitted on condition that we reserve the right, at our option, to accept or decline the awards of Schedules 18 and 18A and/or of Schedule 19, and/or Schedule 19A unless we are awarded all these schedules; and also to accept or to decline, at our option, the award of Schedule 21 and/or Schedule 22, and/or Schedules 23 and 23A unless we are awarded all of these schedules. We will, in any event, not accept award of more than an aggregate of $2,500,000.

Bates & Rogers Const. Co., 111 W. Washington St., Chicago: we will accept Schedule 18 and 18A or Schedule 19 or Schedule 23 and 23A separate; also either of the following combinations: Schedule 18, 18A and 19, or 22, 23 and 23A, but we will not accept both combinations. If awarded 18, 18A and 19, we will deduct $75,000. If awarded 22, 23 and 23A we will deduct $10,000 from our bid, the deduction in each case to be made from our final retained percentage at the completion of the work.

Hunkin - Conkey Const. Co., Hunkin-Conkey Bldg., Cleveland, Ohio: Schedules 18 and 18A will not be accepted unless we are awarded 19 and 19A as they are bid as one complete

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PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
539	Meier	Owner	3000
540	McDonough	Owner	2500
541	Standard	Standard	3000
542	Sharman	Sharman	5800
543	Standard	Standard	3000
544	Gianni	Sharman	5800
545	Pacific	MacGruer	3000
546	S. P.	Owner	1000
547	Crocker	Wagner	4000
548	DeMartini	Owner	1000
549	Windeler	Owner	1800
550	Schafer	Fetter	1075
557	Capua	Murer	2500
552	Leeds	Owner	1000
553	Foley	Andersen	1100
554	Mignacco	Owner	2500

ALTERATIONS
(359) SW HAYES AND COLE STS. Alter apartments.
Owner — Martin Meier, 275 San Leandro St., San Francisco.
Architect—Not Given. $3000

DWELLING
(540) W TWENTY-SIXTH AVE. 200 S Judah St. One-story and basement frame dwelling.
Owner—John J. McDonough, 1280 19th Ave. San Francisco.
Architect—Not Given. $3500

STATION
(541) SW BALBOA ST. AND ARGUello Blvd. One-story Class A greasing station.
Owner — Standard Stations, Inc., 200 Bush St., San Francisco.
Architect—Not Given.
Contractor—Standard Oil Co., 225 Bush St., S. F. $3000

DWELLING
(542) S FILBERT ST. 183 W Mason Two-story and basement frame dwelling.
Owner — Thomas R. Sharman, 3700 Broderick St., San Francisco.
Architect—Not Given.
Contractor—Thos. R. Sharman, 3700 Broderick St., S. F. $5800

STATION
(543) SW BALBOA ST AND ARGUello Blvd. One-story Class A service station.
Owner — Standard Stations. Inc., 200 Bush St., San Francisco.
Architect—Not Given.
Contractor — Standard Oil Co., 225 Bush St., S. F. $3000

DWELLING
(544) S FILBERT ST. 160 W Mason Two-story and basement frame dwelling.
Owner—V. Gianni, % Contractor.
Architect—Not Given.
Contractor—Thos. R. Sharman, 3700 Broderick St., S. F. $5800

ALTERATIONS
(545) 821 MARKET ST.; alter offices and stores.
Owner—Pacific Co., 821 Market St.
Architect—Hertzka and Knowles, 982 Bryant Street.
Contractor—MacGruer & Co., 266 Tehama Street. $3000

ALTERATIONS
(546) 65 MARKET ST.; alter offices and stores.
Owner—Southern Pacific Co., 65 Market Street.
Architect—J. H. Christie, 65 Market Street. $1000

ALTERATIONS
(547) SW TENTH and Bryant; alter warehouse and offices.
Owner—Charles H. Crocker Co., 580 Market Street.
Architect—Not Given.
Contractor—George Wagner, 580 Market Street. $4000

ALTERATIONS
(548) 2799 TAYLOR ST.; alter restaurant.
Owner—John De Martini, 2799 Taylor.
Architect—Not Given. $1000

SHOP
(549) 2201 JERROLD; one-story frame cooper shop.
Owner—Geo. Windeler Co., Ltd., 2201 Jerrold Ave.
Architect—Not Given. $1800

ALTERATIONS
(550) 271 CLINTON PARK. Alter flats.
Owner—Henry C. Schafer, Premises.
Architect—Not Given.
Contractor — Ferdinand Fetter, 1672 15th St., S. F. $1075

ALTERATIONS
(551) NO. 2030 LARKIN ST. Alter flats.
Owner—P. Capua, 1031 Union St., San Francisco.
Architect—Not Given.
Contractor—L. Murer, 1274 Quesada St., San Francisco. $2500

ALTERATIONS
(552) NO. 877 MARKET ST. Alter store.
Owner—Leed's Shoes, 893 Market St., San Francisco.
Architect—Not Given. $1000

ALTERATIONS
(553) NO. 373 EDINBURGH STREET Alter dwelling.
Owner—H. F. Foley, Premises.
Architect—Not Given.
Contractor — Charles Andersen, 150 Granville Way, S. F. $1100

DWELLING
(554) NE LAWRENCE AND HURON Sts. One-story and basement frame dwelling.
Owner — J. Mignacco, 38 Laura St., San Francisco
Architect — B. K. Dobkowitz, 425 Monterey Blvd., S. F. $2500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
426	Quinn	Gossett	1000
427	Berkeley	Owner	1000
428	Farrar	Stead	3625
429	Joost	Johnston	1500
430	McKechnie	Leekins	5500
434	Pacific	Thornally	3000
435	Fairfax	QRS	1000
436	Friedman	Owner	1500
431	Sands	Tarman	1000
432	Fidelity	Atkinson	1000
(433)	Noble	Rose	1500

ALTERATIONS
(426) NO. 4624 TULIP AVE., OAKLAND. Alterations and addition
Owner—A. A. Quinn, Premises.
Architect—Not Given.
Contractor—C. A. Gossett, 327 Woodland Park, San Leandro. $1000

ADDITIONS
(427) 2106 THIRD ST., BERKELEY; additions.
Owner and Builder—Berkeley Oil Wks 3rd and Addison Sts., Berkeley.
Architect—Not Given $1000

DWELLING
(428) 1826 CEDAR ST., BERKELEY; one-story, 6-room frame dwelling.
Owner—Mrs. O. D. Farrar.
Architect—W. A. Brodrick, 640 Arlington Ave., Berkeley.
Contractor—F. A. Stead, 3026 Boise. $3625

ALTERATIONS & ADDITION
(429) 356-58 24th ST., OAKLAND; alterations and addition.
Owner—W. E. Joost, 950 30th Street, Oakland.
Architect—Not Given.
Contractor—W. J. Johnston, 220 Santa Rosa Ave., Oakland. $1500

DWELLING
(430) 5700 AMY DRIVE, OAKLAND; two-story 7-room dwelling.
Owner—D. McKechnie, 4481 Moraga Ave., Oakland.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland. $5500

STATION
(431) NO. 700 EIGHTH ST., OAKLAND. One-story brick and concrete service station.
Owner—V. Sands, 571 17th St., Oakland.
Architect—Not Given.
Contractor—J. H. Tarman, 327 17th St., Oakland. $1000

ALTERATIONS
(432) NO. 3425 GRAND AVENUE, OAKLAND. Alterations.
Owner—Fidelity Guarantee Bldg. & Loan Assn., 2323 Shattuck Ave., Berkeley.
Architect—W. H. Ratcliff, 2323 Shattuck Ave., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland. $1000

REPAIRS
(433) NO. 155 MONTE CRESTA AVE. OAKLAND. Fire repairs.
Owner—J. E. Noble, Premises.
Architect—Not Given.
Contractor—A. H. Rose, 478 25th St., Oakland. $1500

ALTERATIONS
(434) NO. 1519 FRANKLIN STREET OAKLAND. Alterations.
Owner—Pacific T. & T. Co., 140 New Montgomery St., San Francisco.
Architect—Not Given.
Contractor — W. G. Thornally, 2059 Webseer St., Oakland. $3000

SIGN
(435) NO. 5345 FOOTHILL BLVD., OAKLAND. Electric sign.
Owner—Fairfax Theatre, Premises.
Architect—Not Given.
Conaractor—QRS Neon Corp., 690 Potrero Ave., San Francisco. $1000

ALTERATIONS
(436) NO. 3419 E-FOURTEENTH ST. OAKLAND. Alterations and addition.
Owner — M. Friedman, 19th St. and San Pablo Ave., Oakland.
Architect—Not Given. $1500

BUILDING CONTRACTS
ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
56	Oakland	Jensen	6250

ALTERATIONS
(56) NO. 1904 FRANKLIN STREET, Oakland. All work for alterations and additions to Medical Building.
Owner—Oakland Medical Bldg. Corp.

Architect—Albert A. Schroepfer, 244 Kearny St., San Francisco.
Contractor—G. P. W. Jensen & Sons, 321 Market St., San Francisco.
Filed Oct. 25, '34. Dated Oct. 24, '34.
50% work completed $2000.00
When completed 2687.50
Usual 35 days..... 1562.50
TOTAL COST, $6250.00
Bond, $3125. Surety, Columbia Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

ALTER synagogue, $185; 935 Webster St.; owner, Congregation Keneseth Israel, Premises.
ALTER dwelling, $450; 2459 14th Ave. owner, W. A. Hamilton, Prem.; contractor, L. H. Stevenson, 130 Merced St.
SIGN, electric, $100; 27 Kearny Street; owner, Harry Wolff, Prem.; contractor, Apex Elec. Co., 363 Fell.
SIGN, electric, $100; Stockton St. and Broadway; owner, San Carlos Inn Stockton St. and Broadway; contractor, QRS Neon, 690 Potrero.
SIGN, electric, $100; 397 Harrison St.; owner, The Old Stand, Premises; contractor, QRS Neon, 690 Potrero
ALTER dwelling, $300; 681 Paris St.; owner, W. Coffey, 829 London St.
ALTER auto service station, $500; NE 32nd Ave. and Clement St.; owner, Coliseum Meat Co., 719 Clement St.; contractor, Aetna Constr. Co., 166 Miramar St.

ALTER dwelling, $100; 1365 Green St.; owner, A. Ramazzotto and J. Chiotto, 1475 Vallejo St.
ALTER garage, $300; 88 Scotia St.; owner, Mary Mermon, 38 Williams St.
ALTER tire shop, $100; 400 Valencia St.; owner, Mission Vulcanizing Tire Co., 400 Valencia St.
SIGN, electric, $75; 407 Ellis Street; owner, Casey's Cafe, Prem.; contractor, QRS Neon, 690 Potrero Ave.
SIGN, electric, $200; 825 Sutter St.; owner, Commodore Hotel, 825 Suttear St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $100; 1545 Ocean Ave. owner, Westwood Inn, Premises; contractor, QRS Neon, 690 Potrero
ALTER dwelling, $250; 2435 Bay St.; owner, W. Bacon, 2435 Bay St.
ALTER flats, $500; 447 Utah St.; owner, G. Oset, 447 Utah St.
ALTER dwelling, $188; 61 Parker Ave owner, Mrs. M. Smith, Prem.
SIGN, electric, $300; Lombard and Pierce Sts.; owner, McKale's Inc., Premises; contractor, Brumfield, 965 Folsom St.
SIGN, electric, $200; 211 Kearny St.; owner, Bob Ipswitch, Premises; contractor, Apex Elec. Co., 363 Fell St.
ALTER apartments and stores, $100; 755 Jackson St.; owner, J. Shoong 557 Jackson St.; contractor, F. Hoffna, 1710 Castro St.
ALTER dwelling, $500; 221 30th St.; owner, A. Delbos, Premises.
ALTER building, $150; 66 Blake St.; owner, G. Ricci, 505 18th Ave.
SIGN, electric, $250; 900 Fillmore St.; owner, The New Yorker, Prem.; contractor, Brumfield, 965 Folsom.
SIGN, electric, $200; 867 Market St.; owner, J. C. Penney Co., Prem.; contractor, Novelty Elec. Sign Co., 66 Washburn St.
SIGN, electric, $100; 4839 Mission St. owner, Jack's Front Yard, 4839 Mission St.; contractor, Apex Elec. Co., 363 Fell St.
ALTER dwelling, $900; 1453 Willard; owner, M. J. Tonge, Plaza Hotel;
FLUES (2) patent, $70; 3078 Santa Paula; owner, Herbert Thomas, Premises; contractor, Lowell Davison, 375 Monterey Blvd.

ALTER store, $30; 2154 Chestnut St.; owner, L. S. Stamer, 1200 25th Avenue.
ALTER dwelling, $300; S Filbert 196 W Mason St.; owner, A. Secamp, % Contractor; contractor. T. R. Sharman, 3700 Broderick St.
GARAGE, $200; 264 Fair Oaks (rear); owner, J. P. Walsh, Premises.
SIGN, electric, $100; 3680 20th St.; owner, R. Consani, Prem.; contractor, Wonderlite Neon, 170 Otis St.
ALTER flats, $300; 3233 Pierce St.; owner, P. Vennelli, Prem.; contractor, G. Ferroni & Sons, 1966 Filbert St.
ALTER garage, $950; 2222 Broadway; owner, Mrs. James L. Flood, 2222 Broadway; contractor, H. S. Meinberger, 343 4th St.
ALTER dwelling, $500; 61 Elk St.; owner, H. Weisner , Prem.; contractor, N. E. Johnsor, 666 Mission St.
STUCCO dwelling, $140; 435 6th Ave.; owner, Mrs. Linda DeColmesnil, 1415 Willow St.; contractor, Lee Nix, 4127 Kirkham St.
ALTER dwelling, $150; SW Cortland and Hilton St.; owner, Kelly Box Co., Prem.; contractor, G. Ferroni & Sons, 1966 Filbert St.
SIGN, electric, $250; 1223 Fillmore St. owner, Woodland Dancing, Prem.; contractor, Brumfield Elec. Co., 965 Folsom St.
MARQUEE, $200; 50 Third St.; owner, Manchester Hotel, 50 3rd St.; contractor, General Sheet Metal Works, 1529 Pine St.
ALTER dwelling, $250; 1962 Donner St.; owner, B. Speizer, Premises.
SIGN, electric, $300; 2767 Lombard; owner, Goldfield Club, Premises, contractor, Brumfield, 965 Folsom
ALTER store, $250; 370 Van Ness Ave. South; owner, Pioneer Elec. Co., 2128 Market.

ALTER manufacturing bldg., $475; 30 Bluxome; owner, Crocker First Federal Trust Co.; contractor, G. Wagner, 181 South Park.
ALTER flats, $250; 3115 Octavia St.; owner, G. B. Delfino, 3115 Octavia; contractor, G. Ferroni & Sons, 1966 Filbert St.
ALTER flats, $300; 3909 17th St.; owner, M. Cliscagne, 410 Noe; contractor, R. J. Jenkins, 42 Short.
ALTER flats, $20; 3958 19th St.; owner, Mary O'Sullivan, 3958 19th St.
ALTER store and flats, $500; 2300 Fillmore; owner, A. R. Jorgensen, 2568 Clay Street.
ALTER dwelling, $800; 3287 Army St.; owner, Emma Lagan, 3287 Army.
ALTER restaurant, $475; 5616 Geary Blvd.; owner, Marks & Solomon, 5616 Geary Blvd.; contractor, Royal Showcase Co., 770 McAllister.
SIGN, electric, $200; 1239 Van Ness; owner, Western Auto, 1239 Van Ness; contractor, Elec. Products Corp., 255 Golden Gate.
SIGN, electric, $100; 2233 Market St.; owner, M. Pedersen, 2233 Market; contractor, QRS Neon, 690 Potrero Ave.
SIGN, electric, $200; Page and Franklin Sts.; owner, F. Shreve, Page and Franklin; contractor, Pioneer Elec. Co., 2128 Market St.
ALTER store and flats, $500; 1036 Hyde St.; owner, A. H. Darbee, 1036 Hyde St.; contractor, J. B. Oswald Bldg. Co., 1050 Industrial Ave., Burlingame.
SIGN, roof electric, $475; 36 Clay St.; owner, Gilmore Oil Co., 36 Clay; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $100; 2450 Clement; owner, Globe Beer Tavern, 2450 Clement St.; contractor, Novelty Elec. Co., 66 Wshburn.
GARAGE, $275; 161 Randall; owner, L. H. Adge, 161 Randall.

SIGN, electric, $200; 2320 Judah St.; owner, Coyle's Market, 2320 Judah St.; contractor, Novelty Elec. Co., 66 Washburn.
STUCCO dwelling, $100; 4010 California St.; owner, Little Church, 4010 California St.
ALTER dwelling, $100; 59 Shipley; owner, C. Carlson, 59 Shipley St.; contractor, D. J. Sullivan, Inc., 1942 Folsom St.
ALTER store, $50; 192 Embarcadero; owner, Pope & Talbot, 192 Embarcadero.
ALTER store, $772; 121 Taylor St.; owner, Hibernia Bank, McAllister and Jones Sts.; contractor, Daniel O'Neill, 272 Minna St.
ALTER flats, $400; 1932-1934 Eddy St.; owner, S. Zeile, 1221 Divisadero.
STUCO dwelling, $100; 1020 Ellis St.; owner, F. Carpenter, 1020 Ellis; contractor, Hamilton Co., Ltd., Hearst Bldg.
SIGN, electric, $150; 508 Presidio Ave. owner, John Kaplanis, Premises; contractor, Neon Sign Service Co., 1707 Folsom St.
ALTER apartments, $40; 1381 Kansas St.; owner, V. Rosellini, 692 Treat Ave.
SIGN, electric, $300; 504 Broadway; owner, Fior D'Italia, Prem.; contractor, Golden Gate Neon, 355 8th
SIGN, electric, $50; 57 West Portal; owner, Estelle Dondero, 43 West Portal; contractor, Wonderlite Neon, 170 Otis St.
ALTER dwelling, $500; 571 40th Ave.; owner, B. L. Williams, 571 40th Avenue.
ALTER garage to dwelling, $800; 137 Faith St.; owner, K. B. N. Thompson, 16 Joy St.
ALTER manufacturing plant, $925; 340 Townsend St.; owner, W. P. Fuller & Co., 301 Mission St.; contractor, A. H. Wilhelm, 666 Mission St.

ALTER dwelling, $500; 2331 12th Ave.; owner, C. Grant, 2331 12th Ave.; contractor, Geo. Nimmo, 804 Montgomery St.
SIGN, electric, $150; 4994 Mission St.; owner, Tiscornia Biancalini, Prem. contractor, Golden Gate Neon, 355 8th St.
HANG electric sign, $100; 1530 Fell; owner, M. D. Daniel, 245 Leavenworth St.
worth Street.

ALTER flat, $150; 1608 Powell Street; owner, A. Calderoni, Premises.
ALTER dwelling, $400; 71 Jordan Ave. owner, Dr. and Mrs. Brinderman, Prem.; contractor, Harry E. Drake, 666 Mission St.
STUCCO dwelling and store, $240; SW Noe and 18th St.; owner, J. E Joyner, 2001 16th Ave.; contractor, Gus Johnson, 2131 Santiago.
SIGN, electric, $300, 74 Embarcadero; owner, Palace Buffet, Prem.; contractor, Wonderlite Neon, 170 Otis
SIGN, electric, $150; 126 Ellis St.; owntr, Odeon Cafe, 126 Ellis St.; contractor, Wonderlite Neon, 170 Otis St.
SIGN, electric, $250; 66 Geary Street; owner, Graystone Hotel, 66 Geary St.; contractor. W. B. Baker & Co., 15 Harriet St.
ALTER dwelling, $150; 461 29th St.; owner, F. Roth, 461 29th St.
MARQUEE for theatre, $500; 1594 Church St.; owner, P. Brinzo, 177 28th St.
ALTER dwelling, $300; SE Olmstead 60 SW Hamilton St.; owner, A. Makaren, 118 Olmstead St.
ALTER rooming house, $75; 645 Montgomery St.; owner, M. M. Coperic, Premises.
ALTER flats, $171; 898 14th Street; owner, P. J. Petersen, Premises; contractor, California Terazzo Co. 898 14th St.
ADD to dwelling, $490; 2335 26th Ave.; owner, Dr. N. Angelich, Prem.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

To Be Done By Day's Work.
ALTERATIONS Cost, $3500
SAN FRANCISCO. SW Hayes and Cole Streets.
Alterations to apartments.
Owner & Builder—Martin Meier, 275 San Leandro St., San Francisco.
Architect—Not Given.

October 29, 1934

Sub-Contracts Awarded.
APARTMENTS Cost, $10,600
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and stucco apartment building (4 apts.)
Owner—B. R. Philpott, 826 Fourth St. Santa Rosa.
Architect—Not Given.
Contractor — Robert Whiting, 624 Spencer St., Santa Rosa.
Roofing—H. C. Gladrow, 711 Spinner Ave., Santa Rosa.
Plumbing—George Mitchell, 513 Third St., Santa Rosa.
Electric Wiring—K. Stolting, 1067 4th St., Santa Rosa.
Heating—Geo. Mitchell, Santa Rosa.
Sheet Metal—Ed. Haltz, 503 Third St., Santa Rosa.
Hardwood Floors — Jorgensen & Co., Barham Ave., Santa Rosa.
Water Heater—George Mitchel, Santa Rosa.
Lumber — Mead Clark Lumber Co., Santa Rosa.
Painting—Chas. Roberts, Staten St., Santa Rosa.
Lathing—R. D. Robinson, Santa Rosa
Plastering—R. D. Roberson, 1516 4th St., Santa Rosa.
Finish Materials—Hogan Lumber Co. Oakland.
Grading and Foundation—Gus Felix, Santa Rosa.
Bids are being taken on iron grill work.

3— CHURCHES

Planned.
ALTERATIONS Cost, $——
HEALDSBURG, Sonoma Co., Cal.
Alterations to Tucker Street Grammar School for social hall and gymnasium.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Not Given.
J. Leibert, Novato, will probably be the contractor if work is done.

Plans Being Completed
CHURCH ADDITION Cost, $50,000
OAKLAND, Alameda Co., Calif. 1410 Tenth Avenue.
Alterations and additions to present church building.
Owner—Tenth Avenue Baptist Church (Dr. George W. Phillips, Pastor).
Architect—Alben Froberg, 1955 Webster Street, Oakland.
Bids will probably not be asked until after January 1, 1935.

4 — FACTORIES & WAREHOUSES

To Be Done By Day's Work.
WAREHOUSE Cost, $6000
FRESNO, Fresno Co., Cal. No. 560 Broadway.
One-story warehouse.
Owner—Fresno Auto Wrecking Co., Premises.
Architect—Not Given.

Bids In—Held Under Advisement.
PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton Wharf.
One - story corugated iron shipside plant ,600 ft. long by 78 ft. wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary), 16 California St., San Francisco.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary), 16 California St., San Francisco.
Plans by Engineering Dept. of Owner. Announcement will be made upon arrival of the Company's engineer from the North.

Site Purchased.
SUGAR PLANT Cost, $1,500,000
CLARKSBURG, Yolo Co., Cal. One-half mile north of Clarksburg (100 acres).
Construct new sugar refinery, steel, brick and concrete construction; (plant will comprise 15 buildings, railway tracks and spurs, cattle feeding pens and warehouses for shipping).
Owner—Amalgamated Sugar Co. (H. A. Benning, Vice President), Ogden, Utah.
Plans by Engineering Dept. of Owner. The chief engineer of the company will have offices in Sacramento and will supervise construction.

Contract Awarded
TANNERY Cost, $10,000
SANTA CRUZ, Santa Cruz Co., Cal. River Street.
Two-story frame tannery (176x103-feet) heavy timber, board and batten exterior, concrete foundations, automatic sprinkler system, etc.
Owner—A. J. Salz Tannery.
Plans by Owners.
Contractor—J. J. Irwin, 1040 Oak St., San Francisco.
Lumber—Santa Cruz Lumber Co.

Contract Awarded
SHOP Cont. Price, $9,850
MODESTO, Stanislaus Co., Calif. 8th and L Streets.
One-story machine and repair shop (Summerbell roof trusses).
Owner—City of Modesto.
Plans by City Engineer, Modesto.
Contractor—Ernest Green, Sycamore Ave., Modesto.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Seventeenth and Sanchez Streets.
Alterations to laundry (alter windows, new steel sash, etc.)
Owner—New Method Laundry.
Architect—Not Given.
Contractor—B. A. Howkins, 1182 Market St., San Francisco.

Contract Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. SW Tenth and Bryant Streets.
Alterations to warehouse and offices.
Owner—Charles H. Crocker Company, 580 Market Street.
Architect—Not Given.
Contractor—Geo. Wagner, 580 Market Street.

To Be Done By Day's Work
SHOP Cost, $2,000
SAN FRANCISCO. 2201 Jerrold Street.
One-story frame copper shop.
Owner—Geo. Windeler Co., Ltd., 2201 Jerrold Street.
Architect—Not Given.

FIRE LOSS
WATSONVILLE, Santa Cruz Co., Cal.—Fire destroyed the apple dryer owned by Pete and Louis Matiasevich October 24. Damage estimated at $60-000.

Contract Awarded.
ALTER RESIDENCE Cost, $2900
MILL VALLEY, Marin Co., Cal.
Alterations to two-story wood residence (new plumbing, painting, plastering, etc.)
Owner—J. Brogan.
Architect—D. E. Jaekle, Call Building, San Francisco.
Contractor—Jos. F. Charles, 241 La Verne Ave., Mill Valley.

5— FLATS

Contract Awarded.
ALTERATIONS Cost, $3000
SAN FRANCISCO. No. 2030 Larkin Street.
Alterations to frame flats.
Owner—P. Capua, 1031 Union St., San Francisco.
Architect—Not Given.
Contractor — L. Murer, 1274 Quesada St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 271 Clinton Park.
Alterations to frame flats.
Owner—Henry C. Schafer, 271 Clinton Park, San Francisco.
Architect—Not Given.
Contractor — Ferdinand Fetter, 1672 15th St., San Francisco.

6—GARAGES & SERVICE

Plans Completed.
SERVICE STATION Cost, $8000
SAN FRANCISCO. SW Balboa St. & Arguello Blvd.
One-story Class A greasing station and one-story Class A service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

BIDS WANTED
NORTH FORK, Madera Co., Cal.—Until November 8, 8 P. M., bids will be received by M. A. Benedick, Clerk, North Fork Union School District, for materials for the construction of a garage in North Fork.

Planned
SERVICE STATION Cost, $——
SAN FRANCISCO. NE Arguello Blvd. and Geary Street.
Construct new service station.
Owner—General Petroleum Co., 519 19th St, Oakland.
Plans by Engineering Dept. of Owner. Application has been filed with the

San Francisco Fire Department for permission to construct the station.

Contract Awarded
SERVICE STATION Cost, $2000
OAKLAND, Alameda Co., Calif. 700 Eighth Street.
One-story brick and concrete service station.
Owner—V. Sands, 371 17th St., Oakland.
Architect—Not Given.
Contractor—J. H. Tarman, 327 17th St., Oakland.

Planned.
SERVICE STATION Cost, $10,000
MARYSVILLE, Yuba Co., Cal. NE Fifth and E Streets.
New service station.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Present building on site will be razed and leased signed with the owner of the property Mrs. Helen Berg, Marysville.

Contract Awarded.
SERVICE STATION Cost, $5000
TURLOCK, Stanislaus Co., Cal.
One-story frame and stucco service station.
Plans by Engineering Dept. of Owner.
Contractor — John Huggard, Rialto Bldg., San Francisco.

Plans Being Figured.
SERVICE STATION Cost, $8000
SAN FRANCISCO. SW Balboa St. & Arguello Blvd.
One-story Class A greasing station and one-story Class A service Station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.

To Ask Bids In One Week
GARAGES Cost, $——
SAN FRANCISCO. Fort Miley.
Group of fourteen one-story concrete personal garages (to be built in one unit of 11 and one of three or one unit of 14).
Owner—United States Government.
Plans by Veterans Administration Facility, Palo Alto.

7—FEDERAL BUILDING

BIDS WANTED
FRANCE FIELD, C. Z.—Until Nov. 30, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, San Francisco, for the construction of non-commissioned officers' quarters, estimated to cost $271,647, and a dispensary, estimated to cost $27,000, at France Field, C. Z.

CONTRACT AWARDED
SAN FRANCISCO—Industrial Ornamental Iron, Bronze & Wire Works, 552 Noe St., at $122.80 awarded contract by Twelfth Naval District for the installation of steel wire mesh partitions at the Twelfth Naval District Headquarters, San Francisco. Spec. No. 7808.

BIDS WANTED
SAN FRANCISCO—Until November 12, 2:30 P. M., bids will be received by Veterans' Administration Facility, Palo Alto, for the installation of one overhead door, garage entrance, at Building No. 11, Fort Miley, San Francisco.
Specifications may be obtained from Veterans Administration Facility, Palo Alto.

BIDS WANTED
EARP, Cal.—Until November 9, bids will be received by the Bureau of Reclamation, Earp, Calif., for the construction of an office building and a dormitory at the government camp at Parker Dam. The office building will be approximately 65x32 feet in area and the dormitory about 112x42 feet; concrete footings and floors, wood frame construction, insulating building board exteriors, composition roofing, insulating boards, shiplap or metal interior wall covering, air conditioninf system, etc. Some of the materials will be furnished by the government. Plans and specifications may be obtained at the office of the Bureau in Earp upon payment of $2, not returnable. Specification No. 632-D.

PROSPECTIVE BIDDERS
PEARL HARBOR, T. H.—Following are additional plan - holders for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor, T. H., under Spec. No. 7770, for which bids will be opened by Bureau of Yards & Docks, Navy Dept., Washington, D. C., November 14, 11 A. M., as previously reported:
R. D. Wood & Co., 400 Chestnut St., Philadelphia, Pa.
Jones & Laughlin Steel Corp., 311 Rose St., Pittsburgh, Pa.
Construction Council of Tacoma, Tacoma, Wash.
Previous lists of prospective bidders published Oct. 9, 16 and 19.

SUB-BIDS WANTED....
COLTON, Los Angeles Co., Cal.—N. A. Anderson, 4307 Van Buren Pl., Los Angeles, desires sub-contract bids to be incorporated in general bids he will submit to the Treasury Department, November 12, for the construction of the United States Post Office in Colton; and on November 12 for the construction of the United States Post Office in Torrance.

PROSPECTIVE BIDDERS
COLFAX, Wash.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Nov. 7 for painting the plaster, etc., in the U. S. Post Office at Colfax:
West Coast Paint Co., Seattle.
Neuman Bros., McMinnville, Oregon
Arthur M. Gelden, 1240 N. Wells St., Chicago, Illinois.
J. Wallace Hurd, Inc., 1874 Springfield Ave., Maplewood, New Jersey.

Prospective Bidders.
POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Sts.
One-story Post Office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 feet; Mission style.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Supplemental bids open October 31.
H. C. Miller, 1313 Franklin St., Santa Clara.
Wm. MacDonald Constr. Co., St. Louis, Mo.
Nevis & Harp, Santa Clara.
Leo Epp, 4725 Geary St., San Francisco.
Harry J. Oser, Hobart Bldg., San Francisco.
Schuler & McDonald, Inc., Oakland.
Carl N. Swenson, San Jose.
Frank J. Reilly, 6350 Fulton St., San Francisco.
A. Nelson, Inc., 242 Ocean Ave., San Francisco.
Wm. Spivock, Hobart Bldg., San Francisco.
K. E. Parker Co., 135 South Park, San Francisco.

Contract Awarded.
POST OFFICE Cont. Price, $36,735
ORANGE, Orange Co., Cal.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor — L. F. Dow Co., Union League Bldg., Los Angeles.

Sub-Contracts Awarded.
UTILITY BLDG. Cont. Price, $110,787
YOSEMITE PARK, Merced Co., Cal.
One and two-story utility bldg. (70x260) reinforced concrete wall, steel frame, hollow tile partitions, cement floor, asbestos shingle roof, oil-fired steam heating system.
Owner—U. S. Government (National Park Service), Underwood Bldg., San Francisco.
Plans by E. M. Hilton, Park Engineer, Yosemite National Park.
Contractor — L. S. Peltez, 1660 West Acacia St., Stockton.
Roofing — San Joaquin Lumber Co., Scotts Avenue and Madison Street, Stockton.
Plumbing — O'Mara & Stewart, 218 Clara St., San Francisco.
Electric Wiring — Eddy Electric Co., 309 E. Weber Ave., Stockton.
Heating—M. J. Keeves Heating Co., 959 Natoma St., San Francisco.
Sheet Metal—Sanitary Plumbing Co., 61 19th St., Merced.
Electric Fixtures—Eddy Electric Co., 309 E. Weber Ave., Stockton.
Glass—Valley Glass Co., 2220 Inyo St., Stockton.
Iron Grille Work — Fair Mfg. Co., 617 Bryant St., San Francisco.
Lumber—Chas. Nelson Co., 230 California St., San Francisco.
Hardware — Austin Bros., Main and American Sts., Stockton.
Painting—J. Burdon & Son, 548 E-1th St., Oakland.
Excavation—T. Jensen, Country Club Blvd., Stockton.
Structural Steel — Golden Gate Iron Works, 1541 Howard St., S. F.
Steel Sash — Michel & Pfeffer Iron Works, 10th and Harrison Sts., San Francisco.
Steel Doors — Soule Steel Co., 1750 Army St., San Francisco.
Mill Work—Davis Hardwood Co., Bay and Mason Sts., San Francisco.
Reinforcing Steel—Kyle & Co., (Stockton Branch).

PROSPECTIVE BIDDERS
FRANCE FIELD, C. Z.—Following have procured plans for the purpose of submitting bids to the Constructing Quartermaster, Fort Mason, San Francisco, on November 5 for the construction of a parachute, armament, radio and photo laboratory, paint and dope house with appurtenances and utilities at France Field:
Allied Const. Co., 1003 E. Lancaster St., Fort Worth, Texas.
Bethlehem Fabricators, Bethlehem, Pennsylvania.
H. H. Robertson Co., 475 Fifth Ave. New York City.
Chambliss Co., Southern Building, Washington, D. C.
Airolite Co., Marietta, Ohio.
J. S. Thorn Co., Philadelphia.
Armstrong Cork & Insulation Co., 295 5th Ave., New York City.
Construction Supplies Co. of America, 500 5th Ave., New York City.
Grebien & Martinez, P. O. Box 697, Panama City R. de P.
H. B. Nelson Const. Co., Box 5013, Cristobal, C. Z.

CONTRACT AWARDED
PORT TOWNSEND, Wash. — Geo. F. Johnson, 1738 King St., Bellingham, Wash., at $965 awarded contract by Treasury Department for pointing the stonework and exterior painting of the U. S. post office at Port Townsend.

BIDS WANTED

POINT MONTARA, San Mateo Co. Until Nov. 7, 11 A. M., new bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for remodeling the heating system at the U. S. Radio Station, Point Montara, Calif. Specification No. 7759. Plans and specifications may be obtained from above office.

BIDS WANTED

TABLE BLUFF, Eureka, Cal.—Until Nov. 7, 11 A. M., new bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for remodeling the heating system at the U. S. Radio Station, Table Bluff (Eureka) Calif. Specification No. 7754. Plans and specifications may be obtained from above office.

On previous bid opening the lowest bid was submitted by Fred W. Snook, San Francisco, at $5319.

BIDS WANTED

PT REYES, Marin Co., Cal.—Until Nov. 7, 11 A. M., new bids will be received by the Public Works Officer, Mare Island Navy Yard, for remodeling the heating system at the U. S. Naval Radio Station, Point Reyes; Specifications No. 7756. Plans and specifications may be obtained from the above office.

On previous bid opening the lowest bid was submitted by M. J. Reeves Heating Co., San Francisco, at $3747.

PROSPECTIVE BIDDER

TORRANCE, Los Angeles Co., Cal. —Wm. MacDonald Const. Co., 3829 W Pine Blvd., St. Louis, Mo., has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on November 12 for the construction of the U. S. post office at Torrance.

PROSPECTIVE BIDDER

TORRANCE, Los Angeles Co., Cal. —Schuler & McDonald, 1723 Webster St., Oakland, has procured plans for the purpose of submitting a bid to the Treasury Department on Nov. 12 for the construction of the U. S. post office at Torrance.

PROSPECTIVE BIDDERS

SAN RAFAEL, Marin Co., Cal.—The following contractors have procured plans for the purpose of submitting bids to the Treasury Department November 6 for clearing the site of the new United States Post Office at San Rafael:

California Wrecking Co., San Francisco.

E. D. Stern, 2085 E. Randolph Dr., Huntington Park.

Lewis & Co., 4569 Whittier Blvd., Los Angeles.

Shartner Wrecking & Excavating Co., Monument and Keowee Streets, Dayton, Ohio.

CONTRACT AWARDED

NAPA, Napa Co., Cal.—Walter Kinder, Napa, at $1,717 awarded contract by the Treasury Department for lawn sprinkling system for the U. S. post office grounds at Napa. Work involves installation of 165 sprinkler heads, using copper pipe and brass fittings. The West Coast Nursery Co., 580 Market St., San Francisco at $777 awarded contract for landscaping the grounds for the above project.

Low Bidders

POST OFFICE Cost, $40,500

SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Streets.

One - story Post Office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60-ft.; Mission style.

Owner—United States Government.

Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Low Bidder—K. E. Parker Co., 135 So. Park, San Francisco.

The two low bids follow:

K. E. Parker Co., S. F.....$30,900

Wm. Spivock, San Francisco..... 31,189

CONTRACT AWARDED

CRESCENT, City AND EUREKA, Cal.—T. Johanns, 2020 15th St., San Francisco, at $2825 awarded contract by Public Works Officer, U. S. Navy Yard, Mare Island, for installing an existing 1000 gallon water tank and replacing porch floors at Point St. George (Crescent City) and for replacing windows, miscellaneous repairs and painting at the Operating Building, Table Bluff, Eureka, and for installing a roof over the present water tank at Table Bluff. Spec. No. 7798.

Complete bids published Oct. 18.

To Ask Bids Shortly.

AUDITORIUM Cost, $50,000

BONNEVILLE DAM, Oregon.

Auditorium (40x160 feet) concrete foundations, wood frames, brick exterior walls (stage, etc.)

Owner—United States Government.

Architect — Hollis Johnston, Pittock Block, Portland.

Bids will be asked shortly by Dist. Engineer Major Charles Williams, Customhouse, Portland.

BIDS WANTED

ALBUQUERQUE, N. M.—Until November 15, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Washington, D. C., for construction of new pent house and entrance steps, etc., at the U. S. post office at Albuquerque. Plans and specifications may be obtained from the above office and from the Custodian of the Building at Albuquerque.

8— CLUB BUILDINGS

PLANNED

CALEXICO, Imperial Co., Calif.—Calexico city council is considering plans for a proposed SERA building, to be used later for community purposes, to be erected in Calexico at an estimated cost of $75,000.

Plans To Be Prepared.

CLUBHOUSE AND TENNIS COURT Cost, $20,000

BURLINGAME, San Mateo Co., Cal. Site To Be Selected.

Clubhouse and six tennis courts (3 courts to be constructed first) .

Owner—Peninsula Tennis Club, Inc. (Ccolidge C. Kreis, President). Crocker Bldg., San Francisco.

Architect—To Be Selected.

Mr. C. C. Kreis will interview architects.

9— HOSPITALS

PROSPECTIVE BIDDERS

SEATTLE, Wash.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on November 9, 10 A. M., for furnishing and installing two artificial sunlight group treatment lamps, etc., including suspended ceilings and plastering, etc. Plans and specifications may be obtained from above office and from the Custodian of the Building at Seattle:

Hanovica Chemical & Mfg. Co., Newark, New Jersey.

National Carbon Co., Cleveland, O.

D. Zelinsky & Sons, 165 Grove St., San Francisco.

Walter Bros. Co., Inc., 3367 Third Ave., New York City.

Planned

ALTERATIONS Cost, $20,000

SAN RAFAEL, Marin Co., Calif.

Alterations and additions to present home for aged or construction of a new building.

Owner—Evangelical Home for Aged, Sloss Memorial, San Rafael (A. Leonard, Manager).

Architect—Not Given.

Preliminary estimates on cost will be asked in about two weeks for alterations and additions to the present building or construction of a new building, and further details will be announced after that time.

Contracts Awarded

HOSPITAL Cont. Price, $546,732

SAN FRANCISCO. Block bounded by Potrero Ave., 22nd St. and San Bruno Ave.

Six - story cancer building and five-story psychopathic hospital (Class A construction) reinf. concrete and brick; auditorium with stage, library, two electric elevators, etc.

Owner—City and County of San Francisco.

Architect—Martin J. Rist, Phelan Bldg.

Structural Engineers—Leland & Haley, 58 Sutter Street.

Contractor—Anderson & Ringrose, 320 Market St., $34,458.

Mechanical Equipment and Plumbing —Fred. W. Snook, 596 Clay Street, $87,584.

Work involves:

Concrete work, reinforcing concrete, Travertite cast stone, excavation and backfilling, colored cement floors, steel stair treads, reinforcing steel, structural steel, brick work, tile partitions, glazed terra cotta wall units, structural tile, tile lintels, carpentry, mill work, interior finish, rough and finish hardware, counters for nurses' stations and offices, wood partition examination booths, glass and glazing, steel tubular doors, stationary steel sash, screens and wire window guards, sanitary metal window trim, hollow metal work, insulated hollow metal doors, metal cases, sheet metal and ornamental copper work, bronze, Kalamein doors, linen chutes, miscellaneous and ornamental iron, cast iron and bronze thresholds, iron pipe rails, door grilles, metal stairs, painting, tile work, wall tile, tiletex floor covering, linoleum floor covering, cork tile treads and landings, rubber floor tile covering, Travertite marble partitions and base, marble work, lathing and plastering, terra cotta tile partitions.

Following sub-contracts submitted with contractor's bid:

General Work

Reinforcing Steel—Gunn, Carle & Co., 20 Potrero Ave., $16,790.43.

Structural Steel—Judson - Pacific Co., 609 Mission St., $63,500.00.

Brick Work and Hollow Tile—White & Gloor, Monadnock Bdlg., $59,615.

Glazed Terra Cotta Wall Units—N. Clark & Son, 116 Natoma Street, $13,770.00.

Travertite Stone Work, Etc.—P. Grassi & Co., 445 Bayshore, $39,000.

Mill Work—Davis Hardwood Co., Bay and Mason Sts., unit prices.

Finish Hardware — Palace Hardware Co., 581 Market St., $9,435.

Glass—W. P. Fuller & Co., 301 Mission St., $6,150.

Acoustical Treatment — Van Fleet Freear & Co., 557 Howard, $7,903

Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts., $1,388.

Steel Windows and Doors—Michel and Pfeffer Iron Works, Harrison and 10th Sts., $30,895.

Miscellaneous and Ornamental Iron & Bronze — Michel and Pfeffer Iron

Works, Harrison and 10th Sts., $7,693.00.

Vault Doors—Hermann Safe Co., Main and Howard Sts., $200.00.

Colored Cement Floors—Kalman Floor Company, $789.00.

Excavation, Paving, Etc.—Meyer Rosenberg, Inc., 255 Bayshore, $10,150.

Metal Door Jams, Window Trim, Etc.—Fire Protection Products Co., 1101 16th St., $19,454.00.

Tubular Screens—Corry - Jamestown Mfg. Co., $242.00.

Insulated Metal and Glass Cubicles & Metal Toilet Doors—Price Building Specialties Co., 683 Howard St., $2,562.00.

Metal Cases and Cabinets, Etc.—H. M. Schick Products Co., 135 Tehama St., $14,035.

Sheet Metal Ornamental Copper and Kalamein Work—Guilfoy Cornice Works, 1234 Howard St., $12,770.

Linen Chutes—Rolph Mills & Co., 525 Market St., $1,410.00.

Tile Work—Mangrum-Holbrook Co., 1235 Mission St., $23,822.00.

Tile Tex Floor—Gunn, Carle & Co., 20 Potrero Ave., $1,150.00.

Linoleum—West Coast Linoleum and Carpet Co., 2703 Mission Street, $10,900.

Cork Carpet—Van Fleet - Freear Co., 557 Howard St., $770.00.

Rubber Tile—D. A. Pancoast Co., 26 O'Farrell St., $350.00.

Lathing and Plastering—Jas. F. Smith 271 Minna St., $43,268.

Painting—A. A. Zelinsky & Sons, Inc. 3011 Steiner St., $11,539.

Elevators—Westinghouse Electric Elevator Co., 1 Montgomery Street, $20,120.

Window Shades—West Coast Linoleum & Carpet Co., 2703 Mission, $865.

Alternate No. 2 Marble — Eastman Marble Co., 209 Mississippi St., $5,795.00.

Alternate No. 3, Marble — Eastman Marble Co., 209 Mississippi St., $1,725.00.

Electrical Work

Fixtures—Graybar Electric Co., 9th and Howard Sts., $4,300.

Switchboards and Panels — Drendell-Trumbull Elec. Mfg. Co., 260 Van Ness Ave., South, $1,691.94.

Nurses' Call System — Sierra Equipment Corp., 361 9th St., $2,200.

Audible Observation System —Sierra Equipment Co., 361 9th St., $2,815.

Clock System—Standard Elec. Time Co., 950 Parker, Berkeley, $610.

Converters—General Electric Co., Russ Building, $1,009.80.

Signal Cable Forming—Cain Telephone & Signal Co., 420 Market Street, $447.50.

Mechanical Equipment and Plumbing System

Covering — Plant Rubber & Asbestos Works, 537 Brannan St., $5,535.

Temperature Control—Johnson Service Co., Rialto Bldg., $1,970.00.

Ventilating—Ace Sheet Metal Works, 444 Clementina St., $2,582.

CONTRACT AWARDED

BAKERSFIELD, Kern Co., Cal.—Gundlach Plumbing & Sheet Metal Co., 2324 Chester Avenue, Bakersfield, awarded contract by the Kern County Supervisors for additional steam heating equipment for Stony Brook retreat.

Contract Awarded.

ADDITIONS Cost, $2500

MERCED, Merced Co., Cal. County Hospital Site.

Construct combined living room and dining room for tubercular unit (28x22 ft.) and bathroom for old men's barracks (tubs & showers).

Owner—County of Merced (W. E. Bedesen, County Surveyor), Merced.

Architect—Not Given.

Contract for the bath room for old men's barracks awarded to M. B. Folsom, Merced, at $795.

Following bids received and rejected for the work complete:

M. B. Folsom, Merced.....$2607

J. E. Fritz, Merced..... 2670

It is proposed to file an application with the SERA to furnish labor for the proposed work.

Plans Completed.

DORMITORY Cost, $7500

SAN JOSE, Santa Clara Co., Cal. Almshouse Site.

One-story frame and stucco dormitory (shingle roof, gas heating system) to accommodate 80.

Owner—County of Santa Clara.

Architect — Chas. McKenzie, Twohy Bldg., San Jose.

Bids will be asked November 5.

10— HOTELS

Planned

BAR, ETC. Cost, $——

SAN FRANCISCO. New Montgomery and Market Streets.

Alterations to stores for bar, etc.

Owner—Palace Hotel Co. (Archibald H. Price, Mgr.)

Preliminary Plans by Engr. Dept. of the Owner.

Further details will be announced after Nov. 6. If work is approved a consulting architect will be selected.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACT AWARDED

SAN QUENTIN, Marin Co., Calif.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $452 awarded contract by State Purchasing Department, Sacramento, for steel work at the prison at San Quentin. Complete bids follow:

Golden Gate Iron Works, S. F.....$452.00

Schrader Iron Works, S. F..... 464.00

California Steel Prod. Co. S. F... 656.00

BONDS DEFEATED

SANTA BARBARA, Cal. — Santa Barbara voters defeated a $320,000 bond issue October 23, proceeds from which were to have been used to partially finance the construction of a municipal auditorium in Santa Barbara. Public Works Administration recently allocated $375,000 for the project.

Plans by Associated Architects of Santa Barbara, 116 E. Sola St., Santa Barbara.

BIDS OPENED

SACRAMENTO, Cal.—Otis Elevator Co., 1 Beach St., San Francisco, at $4373 submitted low bid to Sacramento City Council for furnishing and installing one electric passenger elevator for the Sacramento City Library. Only other bid was submitted by Westinghouse Electric Elevator Co., San Francisco, at $5819.00. Bids held under advisement.

BIDS OPENED

FOLSOM, Sacramento Co., Cal.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $3500 submitted low bid to State Purchasing Department, Sacramento, for steel window grilles at the Folsom State Prison. Requisition No. 14548. Complete bids follow:

Golden Gate Iron Works, S. F.....$3500

Palm Iron Works, Sacramento.... 3598

National Orn. Iron & Bronze Works, San Francisco..... 4485

Lutge Iron Works, S. F..... 4093

Fair Manufacturing Co., S. F..... 4973

Michel & Pfeffer Iron Works, San Francisco 5291

Schrader Iron Works, S. F..... 6734

Bids held under advisement.

Contract Awarded.

ARMORY Cont. Price, $82,271

KLAMATH FALLS, Oregon.

Construct Klamath Armory.

Owner—Klamath Armory Bldg. Committee, City Hall, Klamath Falls.

Architect—Howard R. Perrin, 206 Underwood Bldg., Klamath Falls.

Contractor — E. P. Brosterhouse, Bend, Oregon.

Three low bids follow:

E. P. Brosterhouse, Bend, Ore...$87,271

Hoffman Constr. Co., Portland 90,000

Oscar Weyman, Portland..... 91,400

BIDS WANTED

MONTEREY, Cal.—Until Nov. 7, 7:30 P. M., bids will be received by Clyde A. Dorsey, City Clerk, Monterey, for office furniture, furnishings and equipment and for installation of same in the City Hall of Monterey, including buildings and structures owned by the City on and adjacent to Colton Hall Park, Monterey.

General specifications are on file in the office of the City Clerk.

BIDS WANTED

MONTEREY, Cal. — Until Nov. 7, 7:30 P. M., bids will be received by Clyde A. Dorsey, City Clerk, Monterey, for improvement of the Brown Adobe exterior of building situated on Colton Hall site (Madison Street) in Monterey. Plans prepared by Architects W. O. Raiguel, Hotel Del Monte Monterey and C. J. Ryland, and same may be obtained from the City Clerk. Certified check for 10% of amount bid required.

BIDS WANTED

SANTA ANA, Orange Co., Cal.—Until November 19, 7:30 P. M., bids will be received by the Santa Ana City Council for a new three-story and basement reinforced concrete City Hall building to be erected at Third and Main Sts., Santa Ana. All work will be included in the general contract. W. Horace Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, architects. The building will be a three-story and basement Class B structure; reinforced concrete frame, wood floor joists and roof construction, cast stone exterior, composition roofing, steel windows, marble and tile work, gas heat, etc. Cost, $105,000.

Sub-Contracts Awarded.

AUDITORIUM Cont. Price, $413,000

SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.

Three-story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc. (seating capacity of 3800; smaller auditorium to seat 1000; stage, etc.)

Owner—City of San Jose (C. B. Goodwin, City Manager).

Architect — Binder & Curtis, 35 W. San Carlos St., San Jose.

Mechanical Engineer—Leland & Haley, 57 Sutter St., San Francisco.

Contractor—Charles A. Thomas, 127 Clayton Ave., San Jose.

Structural Steel—Pacific Coast Steel Co., 20th and Illinois Sts., S. F.

Reinforcing Steel—Soule Steel Co., 1750 Army St., San Francisco.

Lumber and Mill Work—Chase Lumber Co., 547 W. Santa Clara St., San Jose.

Hardware — San Jose Hardware Co., 62 W. San Fernando St., San Jose

Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco.

Miscellaneous Iron—Harlod Hellwig, 577 W. Santa Clara St., San Jose.

As previously reported, mechanical equipment awarded to Hately & Hately, 1710 Tenth St., Sacramento, at

$42399; electric to Guilbert Bros., 286 W. Santa Clara St., San Jose, at $17,-150; plumbing to A. J. Peters, 455 Washington St., San Jose, at $11,628.

14— RESIDENCES

Contract Awarded.
RESIDENCE Cost, $15,000
SAN MATEO, San Mateo Co., Cal. Parrott Drive.
Two-story and basement frame and stucco residence.
Owner — Paul E. Scovel, 264 Santa Ana Ave., San Francisco.
Architect—Not Given.
Contractor — Richard P. Minor, 1444 Burlingame Ave., Burlingame.

Sub-Contracts Awarded.
October 26, 1934
RESIDENCE Cost, $8200
PLEASANTON, Alameda Co., Cal.
One-story frame and stucco residence (four rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor — C. A. Bruce & Sons, Pleasanton, Calif.
Plumbing and Heating.— Crulkshank & Kolln, Pleasanton.
Electric Wiring—Pleasanton Electric Co., Pleasanton.
Window Shades — Pleasanton Furniture Co., Pleasanton.
Brick and Stone Work — Eric Petersen, Livermore.
Lumber—Hall Warehouse Co., Pleasanton.
Finish Material — Hayward Mill & Lumber Co., Hayward.

Contract Awarded
RESIDENCE Cost, $6000
SAN FRANCISCO. S Filbert 160 W. Mason Street.
Two - story and basement frame and stucco residence.
Owner—V. Gianni, % contractor.
Architect—Not Given.
Contractor—Thos. R. Sharman, 3700 Broderick Street.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
SAN FRANCISCO. S Filbert St. 183 W Mason Street.
Two-story and basement frame and stucco residence.
Owner and Builder—Thomas R. Sharman, 3700 Broderick St., S. F.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. W Twenty-sixth Ave. 200 S Judah St.
One-story and basement frame and stucco residence.
Owner and Builder—John J. McDonough, 1280 19th Ave., San Francisco.
Architect—Not Given.

PROSPECTIVE BIDDERS
GRAND COULEE DAM, Wash.—Following have procured plans for the purpose of submitting bids to the U. S. Bureau of Reclamation, Almira, Wishington, on Nov. 8, 10 A. M., for the construction of fourteen, three-room and sixteen, four - room residences at Government Camp at Grand Coulee Dam, Columbia Basin Project, Washington. Buildings will be one-story and basement timber frame construction, shingle or siding exterior, wood shingle roofs, plaster interior walls, etc. Specification No. 599:
Brown-Johnston Co. (electric), N 118 Lincoln.
Colonial Construction Co., W 326 1st St., Spokane.
Hazen & Clark, 809 Gordon Street, Spokane.
W. P. Roamns, Chamber of Commerce Bldg., Spokane.
W. P. Fuller, N 229 Post St., Spokane.
Newton Wakefield, Spokane.
Harry T. March, Spokane.
Sound Constr. & Engineering Co., Inc., Northern Life Tower, Seattle.
C. R. Collins, Seattle.
J. W. Bailey, Insurance Bldg., Seattle.
West Coast Sanitary Mfg. Co., Seattle.
Hale & Kessey, Seattle.
Hartung & Hansen, 1441 Elliott W, Seattle.
Wells & Wade, Wenatchee.
Roy Gummere, Coulee Dam.
Coast Sash & Door Co., Tacoma.
Montag Store & Furnace Works, Portland.
J. E. Bonnell & Son, 760 Commerce St., Tacoma.
Savage Lumber & Mfg. Co., Kenton.
Eric Almquist, % Bureau of Reclamation, Almira.
Clark & Early, % Tacoma Electro-Chemical Co., Tacoma.

Sub-Contracts Awarded.
RESIDENCE Cont. Price, $17,445
ROSS, Marin Co., Cal. Winship Park.
Two-story and basement frame and shakes residence (10 rooms and 3 baths) slate roof, colored tile baths, gas heating system, etc.; Chatteau type.
Owner—A. W. Carne.
Architect—S. Heiman, 605 Market St., San Francisco.
Contractor—Young & Horstmeyer, 461 Market St., San Francisco.
Steel Sash—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., San Francisco.
Lumber — Henry Hess Lumber Co., San Rafael.
Glass — Habenicht & Howlett Glass Co., 529 Clay St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $——
BERKELEY, Alameda Co., Cal.
Alterations and additions to frame residence (add wing for maid's room, bath and laundry).
Owner—John E. Wise.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—R. E. Parks, 1046 Peralta St., Berkeley.

Segregated Bids Being Taken.
ALTERATIONS Cost, $——
BERKELEY, Alameda Co., Cal. Hawthorne Terrace.
Alterations and additions to frame residence.
Owner — Mason McDuffie Co., 2101 Shattuck Ave., Berkeley.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Completed.
RESIDENCE Cost, $6000
ORINDA, Contra Costa Co., Cal.
One-story and basement frame and brick veneer residence (6 rooms) tile roof, oil heating system, hardwood floors, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Bids will be asked in about ten days.

Contract Awarded
RESIDENCE Cost, $18,000
CLARKSBURG, Yolo Co., Calif.
Two-story rustic residence (12 rooms and 2 baths) shingle roof, hot air heating system, oak floors, etc.
Owner—George Wilson.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
Contractor — Wallace Peterson, 7127 Weld St., Oakland.
On previous bid opening the lowest bid was submitted by H. P. Hansen, Palo Alto, at $2,452.

Contract Awarded
RESIDENCE Cost, $4,000
BERKELEY, Alameda Co., Cal. 1826 Cedar Street.
One - story and basement frame and stucco residence (6 rooms).
Owner—Mrs. O. D. Farrar.
Architect—W. A. Brodrick, 640 Arlington Ave., Berkeley.
Contractor—F. A. Stead, 3026 Boise St., Berkeley.

Contract Awarded
RESIDENCE Cost, $——
ORINDA, Contra Costa Co., Calif.
1½-story frame and brick veneer residence (six rooms).
Owner—Not Given.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—Geo. Windsor, 928 Kingston Ave., Berkeley.

Contract Awarded
RESIDENCE Cost, $6,000
OAKLAND, Alameda Co., Calif. 5700 Amy Drive.
Two-story frame and stucco residence (7 rooms).
Owner—D. McKechnie, 4481 Moraga Ave., Oakland.
Architect—Not Given.
Contractor—C. W. Leekins, 4481 Moraga Ave., Oakland.

Sub-Bids Being Taken.
RESIDENCE Cost, $4000
SAN FRANCISCO. 21st Avenue and Lawton Street.
One - story and basement frame and stucco residence (5 rooms) composition roof, gas heating system, hardwood floors, tile bath, etc.
Owner and Builder—E. Vigen, 1346 40th Avenue.
Architect—D. E. Jaekle, Call Bldg.

Sub-Contracts Awarded
RESIDENCE Cost, $10,500
BELVEDERE, Marin Co., Calif.
Two-story and basement frame, stucco, brick and stone residence (7 rooms, 3 baths) shake roof, wood floors, colored tile baths, etc.
Owner—J. Heidelberg.
Architect—D. E. Jaekle, Call Bldg., San Francisco.
Contractor—Albin C. Lindgren, 340 Lowell St., San Francisco.
Masonry — Andrew Thorsen, 1878 Church St., San Francisco.
Heating—Atlas Heating Co., 557 4th St., San Francisco.
Plumbing—Higgins & Kraus, 741 Tehama St., San Francisco.
Electric Wiring—Paragon Elec. Co., 68 Belcher St., San Francisco.
Mill Work—C. E. Reinhart Co., 535 10th St., San Francisco.
Terra Cotta—Atlas Heating Co., 557 Fourth St., San Francisco.
Reinforcing Steel—W. S. Wetenhall, 17th and Wisconsin Streets, San Francisco.
Sheet Metal—Atlas Heating Co., 557 Fourth St., San Francisco.
Plastering—Lloyd Enmark, San Francisco.
Tile Work—Martin Nelson, 2847 Army St., San Francisco.
Lumber—Mill Valley Lumber Co., Mill Valley.
Hardware—S. Mariani & Sons, 3364 Mission St., San Francisco.
Hardwood Floors—Einar Johnsen, 545 Arch St., San Francisco.
Brick Work—Martin Nelson, 2847 Army St., San Francisco.
Sub-bids are wanted on wood shake roof, painting, paperhanging, glass and glazing, masonite floors and iron grill work.

Contract Awarded
ALTERATIONS Cost, $1200
SAN FRANCISCO. 373 Edinburgh St. Alterations to frame residence.

Owner—H. F. Foley, 373 Edinburgh.
Architect—Not Given.
Contractor — Charles Andersen, 150 Granville Way.

To Ask Bids Shortly.
COTTAGE Cost, $4000
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
One-story frame warden's cottage (5 rooms); art tile roof, etc.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $3000
SAN JOSE, Santa Clara Co., Calif. Spencer Ave. near Home St.
One-story frame and stucco residence (4 rooms).
Owner—M. Calandrino, Hull Avenue, San Jose.
Architect—Not Given.
Contractor—V. J. Sunzeri, 176 N. 31st St., San Jose.

Construction To Start Shortly.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
One-story and basement frame and stucco residence (5 rooms) English type; shingle roof, gas heating system, hardwood floors, tile baths, etc.
Owner and Builder—G. W. Williams Co., 315 Primrose Road, Burlingame.
Architect—W. F. C. Gillam, 470 Broadway, Burlingame.

Contract Awarded
RESIDENCE Cost, $6500
BERKELEY, Alameda Co., Cal. Piedmont Pines Tract.
One - story and basement frame and stucco residence (6 rooms and 2 baths) gas hot air heating system, hardwood floors, tile baths.
Owner—Syndicate Idora Co., Oakland.
Architect—F. W. Confer, 2812 Russell St., Berkeley.
Contractor — J. R. Armstrong, 1131 Fleet Road, Oakland.

Plans Being Figured.
RESIDENCE Cost, $——
ROSS, Marin Co., Cal.
Two-story frame residence.
Owner — M. E. Hazeltine, 519 B St., San Rafael.
Plans by Carl F. Gromme, Masonic Bldg., San Rafael.

To Be Done By Day's Work
RESIDENCE Cost, $3000
SAN FRANCISCO. NE Lawrence and Huron Streets.
One - story and basement frame and stucco residence.
Owner—J. Mignacco, 38 Laura Street.
Plans by B. K. Dobkowitz, 425 Monterey Blvd.

15— SCHOOLS

Preliminary Plans Prepared.
SCHOOL Cost, $30,000
ALAMO, Contra Costa Co., Cal.
One-story frame grammar school (4 classrooms) tile roof, steam heating system, etc.
Owner—Alamo School District (A. E. Davis, Trustee), Alamo.
Architect—Fred Reimers, 233 Post St. San Francisco.
A bond election will be held in the near future to finance construction.

Bids Opened.
SCHOOL Cost, $——
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (three classrooms) tar and gravel roof, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Low Bidder—Lightford & Kuppinger, Lakeport.
Following are complete bids:

General Work

Lightford & Kuppinger, Lakeport ..... $ 9,891.50
D. D. Downey, Sebastopol..... 11,111.00
R. J. Whiting, Santa Rosa.... 11,381.00

Window Hardware

Universal Window Co., 950 Parker St., Berkeley.

BIDS WANTED
LONG BEACH, Los Angeles Co. Cal.—Until November 14, 4 P. M., bids will be received by the Long Beach Board of Education for the construction of the academic building at the Franklin Junior High School site, located on Cerritos Ave. and Fifth St. George D. Riddle, 2826 Cedar Ave., Long Beach, architect.

BOND ELECTION
SANTA CLARA COUNTY, Cal.—Rucker School District will hold an election on November 21 at which time bonds in the amount of $8000 will be voted. Proceeds from which will be used to finance construction of a new school building in the Rucker School District, Santa Clara. Following are trustees of the district. W. L. Kroesen, Thos. Hunter and John S. Lester.

CONTRACT AWARDED
LOS ANGELES, Cal. — Dick Bros., 7702 Western Ave., awarded contract by Los Angeles Board of Education at $78,477, for reconstructing, rehabilitating and strengthening the administration (main) building and kindergarten at the Seventy-ninth Street School, 79th St. and McKinley Ave. Frank D. Hudson, 701 Laughlin Bldg., architect, and Ralph A. Deline, 1144 S. Grand Ave., structural engineer.

BIDS WANTED
LOS ANGELES, Cal. — Until Nov. 22, 11:30 A. M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening of the main building at the Dominguez School, located on the east side of Perris Rd., at Jackson St., Dominguez. A. S. Nibecker Jr., architect. Cost, $30,-899.

BIDS WANTED
LOS ANGELES, Calif.—Until Nov. 21, 11:30 A. M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 S. San Pedro St., for the erection of a new 24-unit administration building at the David Starr Jordan High School site, located on the north side of 103rd St., at Gorman Ave., Watts. Sumner P. Hunt, 701 Laughlin Bldg., architect. Cost, $161,280.

PLANS APPROVED
PASADENA, Los Angeles Co., Cal.—Pasadena Board of Education has approved completed plans for the 2-story reinforced concrete Altadena Elementary School. Marston Maybury, 25 S. Euclid Ave., Pasadena, architects. Cost, $100,000.

LOW BIDDER
BELL, Los Angeles Co., Cal.—Person & Thiele, 6206 San Vicente Blvd., submitted low bid to Los Angeles Board of Education at $230,795, for reconstruction, rehabilitation and strengthening of the main building at Bell High Svhool. Train & Cressey, 226 Western Mutual Life Bldg., architects. Oliver G. Bowen, 1144 S. Grand Ave., Structural Engineer. Person & Thiele submitted following sub-contract bids with their general bid: Ed Westberg, gunite, $2387; Detroit Steel Products Co., steel sash, $2531; Golden State Glass Co., glass and glazing, $428; Carroll Duncan & Co., plastering, $32,886; Main Cornice Works, sheet metal, $744; Patten-Blinn Lumber Co., roofing, $2850; A. O. Miller Co., waterproofing, $232; Chandler Electric Co., electric wiring, $5256; F. D. Reed Plumbing Co., plumbing, $2626; Pacific Coast Steel Co., structural steel, $36,750; J. Herman Co., heating and ventilating, $1402; Hilgartner Marble Co., marble $496; New Deal Decorators, painting, $2800.

Sub-Contracts Awarded.
SCHOOL Cont. Price, $160,829
COALINGA, Fresno Co., Cal.
Two-story science building, swimming pool and locker room.
Owner — Coalinga Union High School District (F. J. McCollum, Clerk).
Architect—W. D. Coates, Rowell Bldg. Fresno.
Contractor—W. J. Ochs, Pacific Southwest Bldg., Fresno.
Mill Work and Glass — Hollenbeck-Bush Planing Mill Co., Fresno.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Electric Work—Allan R. Ochs, P. O. Box 13, San Jose.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Finish Hardware—Valley Lumber Co. Fresno.
Lathing and Plastering — M. E. Summers, Fresno.
Steel Sash—Michel Pfeffer Iron Wks. 10th and Harrison Sts., S. F.
Blackboards — American Seating Co., 521 Mission St., San Francisco.
Iron Work and Structural Steel—Fair Mfg. Co., 617 Bryant St., S. F.
Sheet Metal — Barrett Hicks Company, Fresno.
Kalamein Doors — Edgar W. Anderson Co., 3103 San Pablo Avenue, Oakland.
Ceramic Tile—American Art Tile Co., 231 Franklin St., San Francisco.
Roofing and Linoleum—Bush Roofing Co., 750 Stockton Ave., San Jose.
Metal Locks — Medart Mfg. Co., 7 Front St., San Francisco.
Metal Partitions—Mills Co., S. F.
Lumber—Standard Mill & Lumber Co., Fresno.

CONTRACT AWARDED
COMPTON, Los Angeles Co., Cal.—Bannister-Field Co., 4101 Goodwin Ave., Los Angeles, awarded general contract at $268,863, for construction of a new administration and auditorium building on the Compton Junior College Site for the Compton Union High School District. John C. Apstin and Frederick M. Ashley, Charber of Commerce Bldg., Los Angeles, architects.

Bids opened
SCHOOL Cost, $14,000
WILLIAMS, Colusa Co., Calif.
Reconstruction of auditorium of the Williams School.
Owner — Williams Union Elementary School District (Rolph F. Fouch, Clerk).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Low Bidder—George Kopp, 1514 15th St., Sacramento.
Complete bids follow:
George Kopp, Sacramento.....$14,521
Petersen & Steinbrenner, Sacramento 15,995
Louis Dunn, San Francisco..... 16,350
J. P. Brennan, Redding..... 16,646
C. J. Hopkinson, Sacramento.. 17,190
Bids held under advisement.

LOW BIDDER
LOS ANGELES, Cal.—J. E. Burrell, 346 Euclid Ave., Long Beach, submitted low bid to the Long Beach

board of education at $130,775 (using salvaged material) for the construction of the 2-story reinforced concrete academic building at the Jefferson junior high school. Warren Dedrick, 901 Heartwell Bldg., Long Beach, and C. D. Wailes, Jr., Ocean Center Bldg., Long Beach, architects.

BONDS VOTED

PASADENA, Cal.—Pasadena High School District affirmed a $375,000 bond issue October 26, $200,000 to be devoted to reconstructing the Washington Junior high school, $115,000 for reconstructing the Pasadena Junior college, and the remainder for repairing various high schools.

Contracts Awarded

MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Calif.
One - story frame and stucco music bldg. (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Construction—Wm. Radtke, P. O. Box 494, Gilroy.
Cement—Gilroy Lumber Co., Gilroy.
Electric Gas Heaters—Coast Counties Gas & Electric Co.
Plastering—Gilroy Lumber Company.
Aggregate—Bren Brothers and Wm. Radtke.
Sand—Martin Hardware Company.
Hardware—Martin Hardware Co.
Bids on plumbing, sheet metal and roofing rejected and new bids will be asked in about two weeks. Tile bids held under advisement.
As previously reported, lumber contract awarded to Southern Pacific Milling Co., 206 Sansome Street, San Francisco; reinforcing steel to Soule Steel Co., 1750 Army St., San Francisco; miscellaneous iron to Schrader Iron Works, 1247 Harrison St., San Francisco.

Bids Rejected—New Bids To Be Asked

SCHOOL Cost,t $——
VALLE VISTA, Alameda Co., Calif.
Four miles south of Haryward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds 192 Main St., Hayward.
On previous bid opening lowest bid was submitted by George Petersen, 1841 Bancroft Ave., San Leandro, at $11,634.

Plans Awaiting Approval

AUDITORIUM Cost, $24,700
LE GRAND, Merced Co., Calif.
One-story frame and stucco combination gymnasium and auditorium (144x88 feet) to contain banquet room, stage, dressing rooms, etc.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans have been forwarded to Sacramento and upon approval bids will be asked.

Contract Awarded

SCHOOL Cont. Price, $2856
MODESTO, Stanislaus Co., Calif.
One - story frame and stucco school (Enslen School building).
Owner — Modesto Elementary School District (E. D. Abbott, Secretary) Modesto.
Architect—J. J. Donovan, 915 Barker St., Berkeley.
Contractor—W. H. Johnson, Modesto.

PREPARING PLANS

ARCADIA, Los Angeles Co., Cal.—Architect Paul Kingsbury and Structural Engineer S. B. Barnes, 803 W. third St., Los Angeles, are preparing working drawings for reconstructing, rehabilitating and strengthening the First Avenue Grammar School in Arcadia. Plans will be completed about November 10, at which time they will be submitted to the state architect for approval. Work will include the application of a gunite coat to exterior walls, concrete work, new roofing, painting, refinishing, additional toilet facilities, tile and marble work, and steeltrussing. School district voted a $45,000 bond issue last month to finance the work.

Sub-Contracts Awarded.

MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Cal.
One-story frame and stucco music building (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Mgr. of Construction—Wm. Radtke, P. O. Box 494, Gilroy.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
Miscellaneous Iron — Schrader Iron Works, 1247 Harrison St., S. F.
Lumber—Southern Pacific Milling Co., Gilroy.

BIDS WANTED

COMPTON, Los Angeles Co., Cal.—Until November 13, 2 P. M., bids will be received by the Board of Public Building Reconstruction at Compton for reconstructing the Mayo Avenue school, 915 N. Mayo Ave., Compton. All work will be included in the general contract. Plans may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. H. L. Gogerty, architect, 6272 Yucca St., Los Angeles.

LOW BIDDER

LOS ANGELES, Cal.—Dick Brothers 7702 Western Ave., submitted low bid to Los Angeles board of education at $78,477 for reconstructing, rehabilitating and strengthening the administration (main) building and kindergarten at the 79th St. school, 79th St. and McKinley Ave.
Frank D. Hudson, 701 Laughlin Bldg., architect, and Ralph A. DeLine structural engineer, 1144 South Grand Avenue. Dick Bros. submitted the names of the following subcontractors with their bid: Blue Diamond Co., reinforcing steel, $5500.66; L. A. Cement Gun Co., gunite, $15,293; South Gate Iron Works, miscellaneous iron and steel, $3192; Jos. A. Radifer Co., plastering, $3500; Hilgartner Marble Co., marble, $294; Berger & Eldridge, tile, $518; Paller & Goldstein, sheet metal, $140; Union Hardware & Metal Co., finish hardware, $171.80; Hickman Bros., plumbing, $1280; J. Herman Co., heating and ventilating, $530; Gerard Vande, electric wiring, $800; Owl Truck & Materials Co., cutting, drilling, demolition, cartage, etc., $11-745.00.

CONTRACTS AWARDED

SONOMA, Sonoma Co., Cal.—Nelson & Farrell, Sonoma, at $817 awarded lumber contract, and the Napa Milling Company, Sonoma, at $.70 per sack awarded cement contract by Sonoma Valley Union High School District for furnishing lumber and cement for the construction of a high school building in Sonoma. Other bids received were:

Lumber

Mission Lumber Company..... $936.36
Kearny Lumber Company..... 971.79

Only other bid on cement was submitted by W. Clewe at $.725.

Bids Wanted—To Close November 6.

ADDITION Cost, $2,000
SOQUEL, Santa Cruz Co., Calif.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.

Preparing Working Drawings.

SCHOOL Cost, $——
SAN FRANCISCO. Kirkham St., bet. 42nd and 43rd Avenues.
Two-story reinforced concrete school unit of 12 rooms, library and auditorium. To be designed with consideration of possible future expansion (Francis Scott Key School).
Owner—City of San Francisco School Department.
Architects—Wm. Mooser, Monadnock Bldg.; Edward A. Eames, 333 Sacramento St. and Douglas D. Stone 110 Sutter Street.
Structural Engineer—Jas. Smith, 251 Kearny Street.
Plans will be completed in about 30 days.

BIDS WANTED

LOS ANGELES, Cal.—Uitil Nov. 16, 11:30 A. M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening the main building less the 1929 wings, at the Fishburn Avenue School, 5901 Fishburn Ave. Raphael A. Nicholais, 614 Clem Wilson Bldg., Architect. Maurice Sasso, I. W. Hellman Bldg., Structural Engineer.

CONSTRUCTION TO START SHORTLY

ALBUQUERQUE, New Mexico—Roy H. Bradley, Superintendent of Construction for the Indian Bureau, Albuquerque, N. M., announces that work will start at once on the construction of four more Indian day schools in New Mexico and Arizona. One school will be located at Mariano Lake, 25 miles east of Gallup, and will cost $25,000. The other buildings and their costs are: Wide Ruins, north of Chambers, Ariz., $18,000; Cové, Ariz., near Shiprock, $25,000, and Shonto, Ariz., 75 miles north of Winslow, $25,000. Work is being done by the bureau with Indian labor. According to Mr. Bradley, plans are under way for 27 buildings of the group to form the $950,000 central Navajo agency at Window Rock, Ariz.

Bids Wanted—To Close November 17, 7 P. M.

SCHOOL Cost, $——
DRAIN, Douglas Co., Oregon.
Construct Union High School Building.
Owner—Union High School District No. 12.
Architect—Graham B. Smith, Eugene, Oregon.
Plans and specifications may be obtained from the architect upon deposit of $25.

Plans Awaiting Approval.

SCHOOL Cost, $173,276
SAN FRANCISCO. Schwerin Street, between Visitacion and Leland Sts. (Visitacion Valley School).
Complete school unit, 17 rooms, library, auditorium, kindergarten and auditorium detached.
Owner—City & County of San Rrancisco.
Architect — Hyman & Appleton, 68 Post St. and G. Albert Lansburgh 140 Montgomery St.

Mechanical Engineers — Leland and Haley, 58 Sutter St., San Francisco.
Structural Engineer — K. Theill, 580 Market St., San Francisco.
Plans and specifications submitted by the City and County of San Francisco to the PWA for approval and report is due in one week. Clifton E. Hickok, Northern California District Engineer for the PWA.

Contract Awarded
SHOP Cont. Price, $7528
SALINAS, Monterey Co., Calif.
One - story wood frame general shop (steel trusses, wood sash, etc.)
Owner — Salinas Union High School District.
Architect—Chas. Butner, 51 Maple St., Salinas.
Contractor—Albert Staton, 234 Congress St., Pacific Grove.
Complete bids follow:
Albert Staton, Pacific Grove....$7,493.00
Alternate, add 35.00
S. Trondhjem, Salinas..... 7,540.00
W. E. Greene, Salinas..... 7,555.00
C. M. Norgrove, Berkeley..... 7,749.00
Coolidge & Hughes, Salinas.... 7,786.00
Harold Geyer, Monterey..... 7,887.00
F. Taufner, Monterey..... 7,987.00

CONTRACT AWARDED
TULE LAKE, Siskiyou Co., Cal.—Chas. Garcelon, Klamath Falls, Ore., awarded contract by Siskiyou Union High School District, for installation of an electrical wiring system in the gymnasium building at Tule Lake. Starks & Flanders, Forum Bldg., Sacramento, Architects.

16—BANKS, STORES AND OFFICES

October 31, 1934

To Be Done By Day's Work
ALTERATIONS Cost, $1500
SAN FRANCISCO, 877 Market St.
Alterations to store building.
Owner—Leed's Shoes, 893 Market St.
Architect—Not Given.

Ornamental Iron Contract Awarded.
ALTERATIONS Cont. Price, $6250
OAKLAND, Alameda Co, Cal 19th and Franklin Streets
Alterations and additions to medical building (changes to lobby and entrance).
Owner—Oakland Medical Bldg. Corp.
Architect — Albert Schroepfer, 681 Market St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco.
Ornamental Iron—Federal Ornamental Iron & Bronze Co., 16th and San Bruno Ave., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Cal. No. 1618 Franklin Street.
Alterations to store building (partitions, alter interior, show windows, show windows lights, etc.)
Owner—A. C. Bischoff Surgical Co.
Architect—Guy L. Brown, American Bldg., Oakland.
Contractor—James Petersen & Son, 4021 Agua Vista St., Oakland.

Commissioned to Prepare Plans
STORE Cost, $2,000,000
SHANGHAI, China.
Eight - story reinforced concrete department store.
Owner—Sun Company, Ltd.
Architect—John Graham, Dexter-Horton Bldg., Seattle.

Bids Wanted—To Close Nov. 27, 2 P.M.
OFFICE BLDG. Cost, $——
SAN DIEGO, Calif.
One-story and part basement reinforced concrete district office bldg. (frame partitions, clay tile roofing).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Plans and specifications may be obtained from above office upon deposit of $25.00.

BID REJECTED—NEW BIDS WANTED
SAN FRANCISCO— Braas & Kuhn, 1917 Bryant St., at $196 submitted only bid, which was rejected, to the Department of Public Works for the construction of a telephone booth in the Mayor's Office, City Hall. New bids are being asked and will be opened on November 7, 1:45 P. M. in Room 251, City Hall.

Plans Being Completed.
OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Westerly side El Camino Real at Stanford Avenue.
One-story reinforced concrete office building (45x75 feet) to contain 13 offices and clinic treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—H. C. Collins, Decker Oak Bldg., Palo Alto.
Bids will be asked in about two weeks.

Contract Awarded
ALTERATIONS Cost, $3000
OAKLAND, Alameda Co., Calif. 1519 Franklin Street.
Alterations to building.
Owner—Pacific Telephone and Telegraph Co., 140 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — W. G. Thornally, 2059 Webster St., Oakland.

To Be Done By Day's Work.
ALTERATIONS Cost, $2000
OAKLAND, Alameda Co., Calif. 3419 E. 14th Street.
Alterations and additions to store.
Owner—Mr. Friedman, 19th St. and San Pablo Ave., Oakland.
Architect—Not Given.

To Be Done By Day's Work.
ALTERATIONS Cost, $1500
BURLINGAME, San Mateo Co., Calif. 1116 Burlingame Avenue.
Alterations to store building.
Owner—H. F. McDonald, Premises.
Architect—Not Given.

Ornamental Iron Contract Awarded.
ALTERATIONS Cont. Price, $6250
OAKLAND, Alameda Co., Cal. 19th and Franklin Streets.
Alterations and additions to medical building (changes to lobby and entrance).
Owner—Oakland Medical Bldg. Corp.
Architect — Albert Schroepfer, 681 Market St., San Francisco.
Contractor — G. P. W. Jensen, 320 Market St., San Francisco.
Ornamental Iron—Federal Ornamental Iron & Bronze Co., 16th St. and San Bruno Ave., San Francisco.
Awards on other portions of the work will be made within a few days.

Planned
BUILDING Cost, $20,000
SAN RAFAEL, Marin Co., Cal. Redwood Highway near Hamilton Field.
Construct new building for dining & dance hall (100 foot frontage) main floor to be 5700 sq. ft., 18-ft. ceiling.
Owner—R. Forest Marlin, Care Beaux Arts, 72 Eddy St., San Francisco.
Architect—Not Given.
Further details will be announced shortly.

Bids Wanted—To Close Nov. 9.
OFFICES & DORMITORY Cost, $——
PARKER DAM, Arizona.
Office building (65x32 ft.) and dormitory **(112x42 ft.)** concrete footings and floors, wood frame, outside walls covered with insulating building board, shiplap or metal wainscoting, air conditioning system, etc.
Owner — United States Government **(Bureau of Reclamation).**
Plans by Engineering Dept. of Bureau of Reclamation.
Some materials will be furnished by the Government. Spec. No. 632-D.

CONTRACT AWARDED
BAKERSFIELD, Kern Co., Cal.—Williams & Greenough, 130 Lincoln St., Bakersfield, awarded contract by the Kern County Supervisors for alterations to the Kern County Farm Advisor's office.

Plans Being Prepared
AUDITORIUM Cost, $50,000
BONNEVILLE, Oregon.
Auditorium (conc. foundation, wood frame and brick exterior walls; 40x160 ft.) wing projecting back from center, 40x100-ft.
Owner—United States Government.
Architect — Hollis Johnston, Pittock Block, Portland. *

Contract Awarded
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Calif. 3425 Grand Avenue.
Alterations to store.
Owner—Fidelity Guarantee Bldg. and Loan Assn., 2323 Shattuck Ave., Berkeley.
Architect—W. H. Ratcliff, 2323 Shattuck Ave., Berkeley.
Contractor—C. E. Atkinson, 3125 61st Ave., Oakland. 6

17— THEATRES

CONTRACT AWARDED
LOS ANGELES, Cal.—Wesco Constr. Co., 2000 Hyperion Ave., awarded general contract at 19,500 for erection of a reinforced concrete theatre building on Vermont Ave. and Russell St. for Herman Lewis. Will contain two store rooms and auditorium to seat 800. Clifford A. Balch, 1914 S. Vermont Ave., architect. 7

Contract Awarded
THEATRE Cost, $——
QUINCY, Plumas Co., Calif. East Main Street.
One-story wood frame theatre (to seat 340).
Owner—Paul R. Sprague, Quincy.
Architect—Not Given.
Contractor—C. W. Bellamy, Quincy.

Plans Being Prepared.
ALTER THEATRE Cost, $25,000
ALBANY, Alameda Co., Cal. Kains and Solano Avenue.
Alterations to Italian Hall for theatre (sound equipment, etc.)
Owner—Withheld.
Architect—Wm. I. Garren, 233 Post St., San Francisco.

18— WHARVES & DOCKS

Plans Being Prepared
WHARF EXTENSION Cost, $100,000
RICHMOND, Contra Costa Co., Calif.
720-foot extension to wharf (wood construction, timber or concrete piling).
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner (L. M. Snyder in charge).
Further details will be announced at a later date. *

BIDS WANTED

SAN PEDRO, Cal.—Until Nov. 13, 11 A. M., bids will be received by the Public Works Officer, Eleventh Naval District, Foot of Broadway, San Diego, under Spec. No. 7815, for construction of a new landing float at the Twenty-second Street Landing (Berth 56), San Pedro. Work consists of installation of one timber float approximately 13 feet 6 inches wide and 35 feet long. Plans and specifications may be obtained from above office upon deposit of $10.

19—MISC. CONSTRUCTION

Contract Awarded.

MAUSOLEUM Cost, $100,000

MONTEREY, Monterey Co., Cal. Mission Memorial Tract.

One-story reinforced concrete and marble mausoleum (marble exterior marble and bronze interior) 120x40 feet, to contain 400 crypts.

Owner — Mission Memorial Cemetery (Rosslyn Jones).

Architect—H. A. Schary, 605 Market St., San Francisco.

Contractor—Howard Seidell, Georgia Marble Co., 471 Yerba Buena Ave., San Francisco.

Sub-bids will be asked in one week.

Mission Memorial is a project sponsored by local persons. The directors of the company are: Jean Juillard, M. W. McMenamin, Ed. Simpson, Peter Hay, George W. Paul, Henry Hansen and Hal Prince. They are sanguine of the success of this project.

TO ASK BIDS

SANTA CRUZ COUNTY, Cal.—The U. S. Soil Erosion Service will take bids immediately for furnishing construction materials to be used in $200,000 soil conservation project in vicinity of Santa Cruz and Watsonville. Temporary offices established with County Farm Advisor Henry L. Washburn, 106 Front St., Santa Cruz. Material to be purchased includes lumber, cement, rock and sand, reinforcing steel, wire fencing, reinforcing mesh, sheet iron, corrugated culvert pipe, used 2-in. and 3-in. pipe, dynamite, etc.

Harry E. Reddick, regional director of the Soil Erosion Service, has headquarters at City Hall, Santa Paula, Ventura County.

BIDS OPENED

BERKELEY, Alameda Co., Calif.—Following bids received by F. L. Conner, Acting Director, U. S. Forest Service Experiment Station, 331 Giannini Hall, University of California, Berkeley, for furnishing:

(1) 4 cattle and horse troughs, 16-ft. long 20-gauge, 400-gal. capacity.
(2) 2 cattle and horse troughs, 8-ft. long, galv. iron, 20-gauge, 200-gal. capacity.
(3) 25 sheep troughs (consisting of 3-ft. sections) 22.9-in. dia., 11.4-in. deep, 20-gauge, galv. rust-resisting pure iron.

California Corrugated Culvert Co., Berkeley: (1) $103.56; (2) $31.72; (3) $86.22.

W. R. Ames Co., San Francisco: (1) $130; (2) $43.50; (3) no bid.

Madewell Mfg. Co., Oakland: (1) $104.08; (2) $33.24; (3) no bid.

Independent Iron Works, Oakland: (1) $122.40; $32.40; (3) $92.20.

All bids held under advisement.

Construction To Start Shortly

CAMP BLDGS. Cost, $26,000

BONNEVILLE, Ore. Bonneville Project.

240-man camp for Columbia Co. (five units, bunk houses, showers and wash rooms).

Owner—Columbia Company.

Architect—Cash & Wolff, Railway Exchange Bldg., Portland.

Contractor — George H. Buckler Co., Lewis Bldg., Portland.

October 26, 1934

BIDS WANTED

BURBANK, Los Angeles Co., Cal.—Until October 26, 2 P. M., bids will be received by Mr. Applegate, radio engineer for the United States Department of Commerce, Bureau of Air Commerce, Air Navigation Division, at the Union Air Terminal (rormerly United Airport), Burbank, for steel erection and footings for a 125-foot radio antenna mast to be constructed midway between Grand Central Air Terminal and Van Nuys. Steel for the mast will be furnished by the government. Plans and specifications on file on the top floor of the administration building at Union Air Terminal.

CONTRACT AWARDED

SAN FRANCISCO—G. M. Gest, 2423 Magnolia St., Oakland, at $247 awarded contract by Ninth Corps Area, Presidio, for installation of telephone conduit and manhole at the Letterman General Hospital. Complete bids follow:

G. M. Gest, Oakland	$247
Wm. Degan, Alameda	283
Knittle Bros., San Francisco	461
Eureka Elec. Radio Co., S. F.	474

BIDS OPENED

PORTLAND, Ore.—The Lake Washington Shipyards, Houghton, Wash., at $49,222, basic bid, and $6,384.20, optional, submitted low bid to the U. S. Lighthouse Bureau, Customhouse, Portland, October 24, for converting to Diesel propulsion the Columbia Lightship No. 88.

Complete bids follow:

Conversion of Lightship No. 88 and Installation of Machinery

Lake Washington Shipyards, Houghton, Wash., $49,222 basic bid, $6,384.20 optional.

Winslow Marine & Shipbuilding Co. Seattle, $53,352.11; $4,975.70.

Commercial Iron Works, Portland, $54,600; $8,502.50.

Bethlehem Shipbuilding Corp., San Francisco, $56,908; $8,617.

Moore Dry Dock Co., Oakland, $57-000; $7,859.50.

Lake Union Dry Dock & Machine Works, Seattle, $75,624; $3,524.70.

Main Propelling Engine

Washington Iron Works, Seattle, $18,414.00.

National Superior Co., Springfield, Ohio, $16,505.00.

Atlas Imperial Diesel Engine Co., Oakland, $17,361.54.

Union Diesel Engine Co., Oakland, $17,487.00.

Diesel Generators

Fairbanks Morse & Co., Seattle, Type 2-40KW, $7222; Alt. 1, $6866; Alt. 2, $7652; Alt. 3, $7298. Type 1-10KW, $2079; Alt. 1, $1903; Alt. 2, $2295; Alt. 3, $2119.

American Diesel Engine Co., San Francisco, type 2-40KW, $7310.10; type 1-10KW, $2,168.80.

Hill Diesel Engine Co., Lansing, Mich., Type 2-40KW $8462; Type 1-10KW, $2362.

Atlas Imperial Diesel Engine Co., Oakland, Type 2-40KW, $10,521.39; Type 1-10KW, no bid.

Beebe Co., Portland, Type 2-40 KW $12,536; Alt. 1, $12,004; Type 1-10KW, $2550; Alt. 1, $2,595.

Air Compressors

H. M. Euber Co., Portland....$2,864.40
Westinghouse Air Brake Co... 3,880.00
Woodbury & Co., Portland.... 4,022.40
Worthington Co., Seattle..... 4,409.00
Clyde Equip. Co., Portland.... 4,622.00

Fire Deck and Bilge Pump

K. M. Wade & Co., Portland..$598.40
Fairbanks Morse & Co., Seattle, $1,019.45; Alt. 1, $1010.75; Alt. 2, $1,-098.65; Alt. 3 $673.90; Alt. 4, $665.20; Alt. 5, $753.10.

Fuel Oil Transfer Pump

Fairbanks Morse & Co., Seattle, $131.50.

Worthington Co., Seattle, $242.50.

Motors

Westinghouse Electric & Mfg. Co., Portland, 35-hp. motor, $2,303.70; 10-hp. motor, $1,162.20. Only bid.

Switchboard

Westinghouse Electric & Mfg. Co., Portland, $2,485.

Marine Electric Co., Portland, $2,735.

BIDS OPENED

SAN FRANCISCO — Otis Elevator Co., 1 Beach St., San Francisco, at at $94,842 submitted low bid to the Directors of the Golden Gate Bridge and Highway District, Room 1000, 110 Sutter St., for furnishing and installing service elevators in the Marin and San Francisco towers of the Golden Gate Bridge.

Westinghouse Electric Elevator Co., 1 Montgomery St. at $101,000 submitted the only other bid.

Otis Elevator Co., submitted the following unit bids:

(1) Car and counterweight guide rails and fastenings, $11,800.
(2) Car and counterweight and attachments including safety mechanism, $4280.
(3) Hoisting and compensating cables, compensating sheave assemblies and deflectors, and overhead sheaves and bearings for same, $4962.
(4) Elevator machines, controllers, governors and switches, $18,110.
(5) All conduits and wiring for power and light, including lights and light fixtures, complete, $37,970.
(6) Structural work in towers, $10,120.
(7) Telephone system, complete, $4350
(8) Hatchway doors, guards and all miscellaneous work not included in Items 1 to 7, $3250.

Bids referred to the Finance and Building Committee for consideration.

Contract Awarded.

MAUSOLEUM AND CHAPEL Cont. Price, $184,721

WOODLAWN, San Mateo Co., Calif. Woodlawn Cemetery.

Reinforced concrete mausoleum with marble and bronze interior and concrete and granite chapel.

Owner—Masonic Cemetery Assn.

Architect—W. G. Merchant; Maybeck & White, Associated, Russ Bldg., San Francisco.

Contractor — H. H. Larsen, 64 South Park, San Francisco.

Complete bids published Oct. 10.

20—MISC. SUPPLIES AND MATERIALS

BIDS REJECTED

UPLAND, San Bernardino Co., Cal.—All bids for furnishing steel pipe opened by the City Service Manager, R. G. Manley, October 23, were rejected October 24. The purchase will be made in the open market. The bids received October 23 were taken on items as follows:

(1) 7920 ft. 14-in. ID steel pipe, $\frac{3}{16}$-in. thickness.

Alternates:

(2) 7920 ft. 12-in. do;
(3) 7920 ft. 10-in. do;
(4) 7920 ft. 8-in. do.

The bids were:

Southwest Pipe & Casing Co., fob Upland, (1) $1.054; (2) $0.924; (3) $0.634 (4) $0.44.

Grinnel Company, (1) ....; (2) $1.19; (3) $.903; (4) $.715.

Western Pipe & Steel Co., fob Los Angeles, (1) $1.12; (2) $1.00; (3) $.91; (4) .....

Consolidated Steel Corp., fob Los Angeles, (2) $0.88.

American Pipe & Steel Co., fob Upland, (1) $1.06; (2) $0.91.

BIDS OPENED

LOS ANGELES, Cal.—Blds for furnishing rental of trucks were opened by the U. S. Forest Service, 751 S. Figueroa St., October 25, under Bid No. D.P.M. 574, for hauling from job sites shown below:

(1) Palmdale;
(2) Vicinity of Olive View Sanitarium;
(3) Vicinity of Pacloma and Tujunga;
(4) Arroyo Seco Ranger Station (4) $.765 per hour.
(5) About 12 miles from Glendora.

The bids were:

C. C. Willis & Son—(1) $.23 per mile (2)$.325 per mile, (3) $.325 per mile, (4) $.325 per mile, (5) $.23 per mile. Alt. bid 50 cents per hour on all jobs.

Lloyd Smith—(1) $.208, (2) $.2971, (3) $.2971, (4) $.3466, (5) $.208; alternate bids : (1) $1.70 per hour, (2) $2.755 per hour, (3) $.755 per hour, (4)3$.765 per hour, (5) $.70 per hour.

Quick Service Transfer Co.—$.20 all items, minimum $10 per day, all alternate bids $1.00 per hour.

D. R. Apprice—(1) $.20, over fifty miles, $.18, $10 minimum per day, (2) $.36, 35 mile minimum, (3) $.30, 30 mile minimum, over 35 miles $.26, (4) $.30, 30 mile minimum, oved 35 miles, $.26, (5) $.18 fifty mile minimum over 55 miles $.66 per mile; alternate: (1) $.75, (2) $.60, (3) $.60, (4) $.60, (5) $.75.

Belyea Truck Co.—(1) $.25, fifty mile minimum, (2) $.343, 35 mile minimum, (4) $.40, 30 mile minimum, (5) $.25, 50 mile minimum.

Louis J. Fishman—(1) no bid, (2) no bid, (3) no bid, (4) $.30, (5) $.20; alternates: (4) $1.00 per hour, (5) $1.90 per hour.

Lail's Auto Livery—all sites, $.225; alternates all $.90 per hour.

Louis P. Aebrisher—(1) $.22, no other bids (certificate of compliance not signed).

BIDS OPENED

SAN FRANCISCO.—Following bids received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1287, October 26, for furnishing standard wrought steel galvanized water pipe as follows:

(1) 35,000 ft. ¾-in.;
(2) 3,000 ft. ½-in.;
(3) 4,000 ft. 1-in.;
(4) 1,000 ft. 1½-in.

United Pipe & Supply Co., (1) $6.-075; (2) $4.892; (3) $8.504; (4) $13.756.

Identical bids at (1) $6.05; (2) $4.87 (3) $8.46; (4) $13.69, submitted by the following:

Federal Pipe & Supply Co., C. J. Hendry Co., Gilmore Steel & Supply Co., Inc., Pacific Pipe Co., Stephen H. McCabe, Baker, Hamilton & Pacific Co., Grinnell Co. of the Pacific, Crane Co., H. J. Glesener Co., Woodin & Little, Inc., Sloss & Brittain, Pacific Pump & Supply Co., Tay- Hol-Brook, Inc., Walworth California Co., Richmond Sanitary Co., Dunham, Carrigan & Hayden Co., Marshall-Newell Supply Co., General Machinery and Supply Co., E. E. Newhall Co., Inc., Petroleum Equip. Co., Olsen & Heffernan, P. E. O'Hair & Co., and Pacific Plumbing & Supply Co.

All bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO.—The Enterprise Foundry Corp., 2902 19th St., at $71,-075.55 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1260, for furnishing cast steel specials.

CONTRACT AWARDED

SAN FRANCISCO. — Pioneer Rubber Mills, 353 Sacramento Street, at $1.25 per foot for 20,000 ft. of 2¾-in. cotton rubber lined fire hose, and at $1.60 per ft. for 4,000 ft. of 3½-inch do, awarded contract by T. A. Brooks Purchaser of Supplies, City Hall, under Bid No. 1272.

BIDS OPENED

MODESTO, Stanislaus Co., Calif.—Following bids received by the Modesto Irrigation District, C. S. Abbott, Secretary, October 22, for furnishing and delivering the following:

(1) Approx. 18,000 barrels of cement in paper bags;
(2) Approx. 3,530 c.y. sand;
(3) Approx. 2,835 c.y. sand and 1,730 c.y. rock.

The bids were:

Cement

Yosemite Cement Co., Merced	$30,040
"	32,925
United Lbr. Yds., Modesto	32,925
Pacific Portland Cem. Co., S. F.	32,925
Monolith Cement Co., L. A.	37,025
Henry Cowell Lime & Cement Co., San Francisco	44,020
Santa Cruz Cem. Co., S. F.	44,020

Sand and Gravel

O. A. Kauffman, Modesto	$ 5,710.00
Service Bros., Ceres	5,710.00
C. D. Warner, Modesto	7,060.00
C. D. Warner, Modesto	9,130.00
Atlas-Olympia Co., Oakdale	10,134.00
Atlas-Olympia Co., Oakdale	10,278.75

Awards must be approved by PWA Engineer Clifton E. Hickok, in San Francisco.

BIDS OPENED

LOS ANGELES, Cal. — Following firms submitted identical bids to D. P. Nicklin, Purchasing agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing cast iron fittings during a period of six months beginning Nov. 1, 1934, or with date of award in such quantities as may be ordered, under Spec No. 1540: Alhambra Foundry, Vernon Foundry, Reliable Iron Foundry. All firms quoted discounts of 1% 20 days. The items were:

(1) Approximately 35,000 lbs.;
(2) Appproximately 18,500 lbs.;
(3) Approximately 20,000 lbs. rough castings only, machine work to be done by the department;
(4) Approximately 20,000 lbs.;
(5) Approximately 2000 lbs. flanges to be faced and drilled by the department;
(6) Approximately 4500 lbs.;
(7) Machine work or tapping, approximately 50 pcs. ½-in. to 1-in., approximately 125 pcs. 1½-in. to 2-in., and approximately 500 pcs. 2½-in.

The bids were: Items (1) to (6) inclusive, $80; (7) $0.12; $0.20 and $0.20 All bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal. — Following bids received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing approximately 144,000 ft. board measure. No. 2 rough Douglas fir (No. 1 mining), 6x6-in. b 4-ft. long, or in any multiple of 4 ft. up to and including 20 ft. under Spec. No. 1455. Bids were taken as follows:

(a) f.o.b. cars bidder's mill;
(b) f.o.b. cars or trucks Los Angeles Harbor;
(c) f.o.b. cars or trucks Lone Pine;
(d) f.o.b. cars Laws;
(e) f.o.b. department's camp sites, Mono County.

The bids were:

Dougherty Lumber Co., 2% 20 days, (a) $9.20; (b) $15.17; (c), (d), (e), no bids.

Chas. R. McCormick Lumber Co., 2% on mill value, (a) no bid, (b) $15.55, (c), (d), (e) no bids.

San Pedro Lumber Co., 2% on mill value, (a) no bid; (b) $15.00, (c), (d), (e) no bids.

McCormick Supply Co., 1% 20 days, (a) $8.90; (b) $14.75, (c) $21.25, (d) $25.60, (e) no bid.

Hammond Lumber Co., 2% 10 days, (a) $10.00, (b) $15.55, (c) $21.30, (d) $30.00, (e) $31.00.

Consolidated Lumber Co., Discount, net, (a) $10.90, (b) $16,26, (c) $22.04, (d) $30.94, (e) $28,26.

W. E. Cooper Lumber Co., 2% 10 days, (a) no bid, (b) $15.05, (c), (d), (e) no bid.

E. K. Wood Lumber Co., 2% 10 days, (a) $10.00, (b) $15.55, (c) $21.30, (d)$30.00, (e) $28.75.

Globe Lumber Co., 2% 15 days, (a) no bid, (b) $14.50, (c) $20.25, (d) no bid, (e) $25.50.

Patten-Blinn Lumber Co., 2% 10 days, (a) $10 (b) $15.50, (c) $21.25, (d) $30.25, (e) $29.00.

Dougherty Lumber Co., alternate, for 6x9-in. by 8-ft. Douglas fir ties, (a) no bid (b) $12.75, (c) no bid, (d) no bid, (e) no bid.

All blds held under advisement.

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Contractors and others who have procured plans for furnishing for 1,120,000 to 5,000,000 cbls., more or less, of Portland cement in accordance with Spec. No. 79, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, November 27, 10 A. M., as previously reported:

California Portland Cement Co., 601 W. Fifth St., Los Angeles.

Southwestern Portland Cement Co., 727 W. Seventh St., Los Angeles.

Blue Diamond Corp., 1650 S. Alameda, Los Angeles.

Santa Fe Railway, Sixth and Main Sts., Los Angeles.

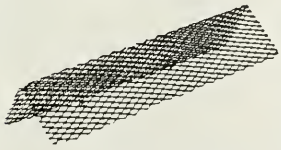
Riverside Cement Co., 621 S. Hope St., Los Angeles.

R. A. Conyes Co., Mecca, Calif.

Graham Bros., Inc., 3425 Fowler St., Los Angeles.

Monolith Portland Cement Co., Bartlett Bldg., Los Angeles.

ANGLE LATH *Prevents Corner Cracks*



Reinforces the plaster in wood lath buildings, etc., just where the strain is greatest. ANGLE LATH is of Diamond Mesh Lath, factory shaped to a sharp true angle and cut with selvedge edges; no sharp prongs to cut hands. Inexpensive Easily Applied. Manufactured by

THE FERNALD COMPANY

BUILDING MATERIALS

275 Natoma Street, San Francisco § Phone KEarny 0263

Los Angeles Office, 701 Arcade Building § Phone FAber 3158

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

WAR DEPARTMENT

SAN FRANCISCO.—Until Nov. 9, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason under Orded No. 928-35-100, for furnishing:

(1) 1,000 grass hooks, best quality tool steel blade, 12-in. cutting edge, 1-in. width heel;
(2) 1 Manometer assembly (spare part).
(3) 1 Compensator assembly, complete (spare part).
(4) 1 direct feed, manual control chlorinator, orifice type MDPM, with 2 tank manifold, capacity 10 lbs. per 24 hours, 25 lb. back pressure.

The above items are for trans-shipment to the Department Quartermaster, Philippine Dept., Manila, Philippine Islands.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until November 7, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Rm. 208, Post Office Bldg., Sacramento, under Spec. No. 6837, for furnishing and delivering miscellaneous castings.

Plans and specifications obtainable from above office.

SACRAMENTO, Cal. — Until Nov. 5, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Order No. 6822/2229, for furnishing lumber f.o.b. the U. S. Engineers, Rio Vista, as follows:

(1) 15,760 ft. bd. measure pine lumber
(2) 64 ft. ash lumber;
(3) 20 bundles (100 lath to bundle) 4-ft. long pine laths.

Specifications obtainable from above office.

SAN FRANCISCO. — Until Nov. 5, 10:30 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, under Order No. W 6616-35-8, for furnishing the following:

(1) 350 ft. 1½-in. Wi pipe, welded, galvanized;
(2) 7 each 1½-in. elbows, 90 deg., MI;
(3) 7 each 1½-in. elbows, 45 deg., MI;
(4) 7 each 1½ x 6-inch nipples, WI, galvanized.

Delivery fob Fort Mason. Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

November 7, 2 P. M.; BID 1368: Delivery f.o.b. bidder's shipping point and/or Alma: (1) 1 lot of lumber for 30-ft. standard wooden lookout tower, enclosed type, for supporting a 14-ft. by 13-ft. house

November 7, 2 P. M.; BID 1373: Delivery f.o.b. bidder's shipping point and/or Hornbook: (1) 5626 bd. ft. select structural grade Douglas Fir, for Grider Creek Bidge;
(2) 14,298 bd. ft. select structural grade Douglas Fir, for Wingate Creek Bridge.

Specifications obtainable from above office.

BERKELEY, Alameda Co., Calif.—Until Nov. 7, 2 P. M., bids will be received by F. L. Conner, Acting Director, California Forest Experiment Station, Berkeley, for furnishing ten each brown enamel steel bookshelf units with six adjustable shelves. Delivery fob bidder's plant and/or Placerville.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE — Until November 9, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 3006, for furnishing 60,000 bbls. Bunker "C" fuel oil, delivered at Balboa, Canal Zone, between January 10 and January 20, 1935.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

U. S. INDIAN SERVICE

LOS ANGELES, Cal. — Until Nov. 13, 2 P. M., bids will be received by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for furnishing and installing 30 turbine pumps and 30 pump houses for the San Carlos Project, F.P. 261, Coolidge, Arizona, in accordance with specifications on file at the above office. Certified check, bid bond, or other guaranty, 5%, must accompany each bid.

STANISLAUS COUNTY

MODESTO, Stanislaus Co., Calif.—Until Nov. 14, 7:30 P. M., bids will be received by Modesto City Council, H. E. Gragg, city clerk, for furnishing the following fob Modesto:

1400 ft. 4-in., 1200 ft. 6-in., 1300 ft. 10-in., and 1800 ft. 12-in. Class B or Class 150 bell and spigot cast iron water pipe; and Class B or equal cast iron, hub ends, fittings, as follows: two 10x10x6-in. tees, three 12x12x6-in. tees, one 12x12x12-in. tee, two 4x4x4-in. tees, three 4x4x6-inch tees, three 6x6x6-in. tees, one 5x6x4-in. tee, one 10x10x10x12-in. cross, one 12x12x4x4-in. cross, and four 10-in. slip sleeves, one 12-in. slip sleeve, three 6-in. slip sleeves, and the following plugs tapped: 2-in., three 12-in., two 10-in., three 6-in. and three 4-in.

Specifications obtainable from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment as follows:

HOSE, 6600 ft. bronze steam hose; Mare Island. Sch. 3623; Nov. 9.
WIRE, copper ribbons, fuse wire, bare resistance wire; East and West Yards. Sch. 3916, Nov. 9.
TAPE, asbestos-board, asbestos sleeving, insulating tape; East and West yards. Sch. 3618; Nov. 9.
PLASTER, block and sheet magnesia asbestos millboard, asbestos paper, pipe covering, and magnesia plaster; East and West Yards. Sch. 3611; Nov. 6.
GREASE, lubricating grease, graphite and mineral; East & West Yards. Sch. 3606; Nov. 6.
MICA, plate and tubing mica, pressed, and sheet mica; East and West Yards. Sch. 3616; Nov. 9.
CHAIN, 11,275 lbs. cast steel stud link chain and 250 lbs. outboard swivel shot chain; Mare Island. Sch. 3580; Nov. 9.
STEEL, wire, brfass, bronze, lead, copper and steel; East and West Yards. Sch. 3629; Nov. 9.
GLASS, window and plate glass; East and West Yards. Sch. 3632; Nov. 9.
FUSES, and fuse elements; East and West Yards. Sch. 3633; Nov. 9.
BRICKS, high temperature bricks and blocks; East and West Yards. Sch. 3636; Nov. 9.
ROPE, wire rope and seizing strand; East and West Yards. Sch. 3631; Nov. 9.
GASOLINE, motor gasoline, motor-fuel V; West Coast. Sch. 3612; Nov. 13.
HOSE, cotton and rubber hose, etc.; East and West Yards. Sch. 3634; Nov. 13.
TUBING, seamless steel tubing; Mare Island and Puget Sound. Sch. 3650; Nov. 13.
CLOTHS, 300,000 lbs. cotton wiping cloths, Mare Island; 100,000 lbs. do., Puget Sound. Sch. 3659; Nov. 16.
OIL, Navy fuel oil and fuel oil for Diesel engines; West Coast. Sch. 3613; Nov. 20.

Specifications obtainable from above office.

CANAL ZONE

PANAMA CANAL ZONE—Until November 12, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No.3007, for furnishing miscellaneous supplies and equipment including: Wire rope clips; track spikes; grommets; window glass; poultry netting; wire cloth; fire extinguishers; pressure and vacuum gauges; grease cups, ash oars, street brooms, wire brushes, canvas hose, packing, calking cotton, linoleum, asbestos board, ferrosilicon, asphalt emulsion, white enamel, chrome green, Prussion blue, California redwood lumber, water-closet tanks, knife switches, current transformers, tee connections and round copper.

Specifications obtainable from above office and from the Assistant Purchasing Offices, The Panama Canal, Fort Mason, San Francisco.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Nov. 14, 4 P. M., bids will be received by the Los Angeles Board of Education, 1445 San Pedro St., for the rental of all trucks, cranes, air compressors, and other equipment, with operators, necessary for the demolition of buildings at the Hammel Street School. John D. Scouller, business manager.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Nov. 23, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1288, for furnishing one Venturi meter.

Specifications obtainable from the above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Exceva.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

SUTTER COUNTY, Cal.—Until November 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the steel and concrete superstructure and portions of the abutments of a bridge across Tisdale Weir on the highway between Knights Landing and Meridian, consisting of twenty-eight 39-ft. by 0-in. and two 45-ft. by 9¾-in. spans.

The work involves:

(1) 412 c.y. Class A Portland cement concrete;
(2) 68,000 lbs. bar reinf. steel;
(3) 244,000 lbs. structural steel;
(4) 2,420 l.f. timber railing;
(5) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is located.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1350, for furnishing one 60-ft. structural steel truss span with steel bents, complete with all structural steel bolts for field connections, etc., for the Big Butte Creek Bridge:

Herrick Iron Works, Oakland	$ 988
Pacific Coast Steel Co., Alameda	1100
Dyer Bros. Golden West Iron Works, San Francisco	1194
Palm Iron Works, Sacramento	1012
Golden Gate Iron Works, S. F.	950
Independent Iron Works, Oakland	946

Bids held under advisement.

22—DREDGING HARBOR WORKS EXCAVATION

BID OPENING POSTPONED

NEWPORT BAY, Cal.—Until November 15, 3 P. M., bids will be received by the U. S. Engineer Office, 751 S. Figueroa St., Los Angeles, for dredging and rock removal in Newport Bay, Calif., in accordance with specifications which may be obtained from the above office.

The date was postponed from Nov. 12, on account of Armistice Day, and the postponement was previously reported as November 13, which was in error.

BIDS OPENED

MARYSVILLE, Cal.—Pacific Const. Co., San Francisco, at $5,878 submitted low bid to the U. S. Engineer Office, Sacramento, under Spec. No. 6819, for constructing and repairing retards along the southerly bank of the Yuba River from about 3 to 5 miles upstream from the "D" Street bridge at Marysville.

G. C. Rubke, Marysville, at $7,223.50 submitted the only other bid.

Engineer's estimate, $5,997.00.

25—MACHINERY AND EQUIPMENT

PROSPECTIVE BIDDERS

LUALUALEI, T. H.—The following are additional plan-holders for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, T. H., under Spec. No. 7801, for which bids will be opened by the Bureau of Yards & Docks, Navy Dept., Washington, D. C., November 28, 11 A. M., as previously reported:

A. Soda & Son, 1077 65th St., Oakland.
Prescott Iron Works, Seattle.
Ellicott Mach. Corp., Baltimore, Md.
Star Iron & Steel Co., Tacoma.
Honolulu Iron Works, 165 Broadway, New York City.

Previous lists of prospective bidders published October 16 and 19.

CONTRACT AWARDED

LOS ANGELES, Calif.—Chain Belt Co. awarded contract by S. A. Joseph, Purchasing Agent, Metropolitan Water District, October 24, at $1,373.17, for furnishing concrete aggregate plant equipment, under Bid No. 28,618. The other bids were:

Smith Booth Usher Co.	$2,570.00
Madson Iron Works	2,570.00
Standard Steel Works	1,782.13
Harry C. Collins Machy. Co.	1,757.25
Link Belt Company	1,653.33
Stephens Adamson Mfg. Co.	1,532.38
The Conveyor Co., Inc.	1,389.64

CONTRACT AWARDED

LOS ANGELES, Calif. — Stephens-Adamson Mfg. Co. was awarded contract by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, October 24, at $4540.62, for furnishing belt conveyor under Bid 28,587. The other bids were:

Bodinson Mfg. Co.	$5,055.00
Hurt Conveyor Co.	4,696.32
Chain Belt Co.	4,675.75
Brown-Bevis Equipment Co.	4,675.75
Harry Collins Machy. Co. (agents for Fairfield Eng. Co.)	4,620.00
Link Belt Co. (Pacific Div.)	4,540.00
Harron, Rickard, McCone Co.	4,453.17
The Conveyor Co., Inc.	4,392.22
Smith, Booth Usher Co.	4,118.94

PROSPECTIVE BIDDERS

SUMMIT, C. Z.—Following are additional plan-holders for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Summit, C. Z., under Spec. No. 7800, for which bids will be opened by the Bureau of Yards and Docks, Navy Dept., Washington, D. C. November 28, 11 A. M., as previously reported:

Atlantic Elevator Co., Erie Avenue and D St., Philadelphia.
Prescott Iron Works, 1 W. Linden St., Seattle.
Ellicott Machine Corp., 1611 Bush St. Baltimore, Md.
Star Iron & Steel Co., Tacoma.
International Clay Machinery Co., Dayton, Ohio.

Previous lists of prospective bidders published October 16 and 19.

BIDS OPENED

BOULDER CITY, Nev. — Following bids received by the Bureau of Reclamation, Denver, Colo., October 15, under Spec. No. 629-D, for furnishing:

(1) 300-ton crane rails;
(2) 50-ton crane rails;
(3) 10-ton crane rails.

Lorrain Steel Co., (1) $10,755; (2) $1,208; (3) $528.00.

Minneapolis-Moline Power Implement Co., (1) $10,100; (2) $1,140; (3) $627.00.

Pettibone-Mulliken Co., ½%, (1) $11,250; (2) $1,482.30; (3) $970.00.

Kansas City Structural Steel Co., ½%, (1) $12,047; (2) $1,557; (3) $822.

Jos. T. Ryerson & Son, ½%, (3) $600.00.

Bethlehem Fabricators, (1) $11,614; (2) $1,104; (3) $634.00.

Kansas City Structural Steel Co. offered combination bids as follows: Items 1 and 2, $13,223; 1 and 3, $12,620; 2 and 3, $2,059; 1, 2 and 3, $13,796 ½%.

All bids held under advisement.

BIDS OPENED

BOULDER CANYON, Nevada—Following bids received by the Bureau of Reclamation, Denver, Colorado, Oct. 15, under Spec. No. 592, for furnishing station service power and lighting transformers:

General Electric Co., (1) $9740; (2) $25,493.75; (3)$6616.80.
Maloney Electric Co., (1) $9855; (2) $23,916.55; (3) $6396.30.
Standard Transformer Co., (1) $9740; (2) $25,792; (3) $6888.
Pennsylvania Transformer Co., (1) $9740; (2) $25,393.05; (3) $6726.40.
R. E. Uptegraff Mfg. Co., (1) no bid; (2) $25,880.50; (3) no bid.
American Transformer Co., (1) $8901; (2)$ 25,718.75 (3) $6812.
Wagner Transformer Co., (1) $9740; (2) $25,240; (3) $6683.
Kuhlman Electric Co., (1) $9740; (2) $25,557; (3) $6769.20.
Mine & Smelter Supply Co., (1) $9740; (2) $25,403.76; (3) $6616.80.
Westinghouse Electric & Mfg. Co., (1) $9740; (2) $25,403.76; (3) $6616.80.
Allis-Chalmers Mfg. Co., (1) $9740; (2) $26,211.90; (3) $6940.58.
Graybar Electric Co., (1) no bid; (2) $25,403.76; (3) $6616.80.
Gardner Electric Mfg. Co., (1) no bid; (2) no bid; (3) $4934.

CONTRACT AWARDED

SAN FRANCISCO — Hemstreet and Bell, P. O. Box 550, 501 11th Street, Marysville, at $2.00 per hour awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for the rental of one 220 cu. ft. per minute air compressor for a period of approximately

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

six months, starting Nov. 5.

The other bids were:

Western Machinery Co., San Francisco, $2 per hour plus $50 transportation charges.

Contractors' Machinery Exchange, Oakland, $240 per alendar month plus $70 transportation.

Edward R. Bacon Co., San Francisco, $200 per calendar month fob Willows.

Brown-Bevis Equipment Co., $200 per calendar month fob Willows.

W. H. Cowen, San Francisco, $250 per calendar month, fob Willows.

P. B. Hackley Equipment Co., San Francisco, $2.12 per hour; $200 per

Rix Co., San Francisco, $220 per calendar month, fob Willows.

calendar month, plus transportation charges.

26— RAILROADS

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal. —Biasotti-Willard & Biasotti, 40 W. Clay St., Stockton, at $18,140 submitted low bid and awarded contract by the City of Stockton Port Commission, B. C. Allin, Secretary, for extension to the Railroad System at the Port of Stockton.

Eddy Electric Co., Stockton, at $18-255 submitted the only other bid.

Biasotti-Willard & Biasotti bid $.35 per c.y. on excavation, and Eddy Elec. bid $.25 per c.y.

28—FIRE EQUIPMENT

BIDS WANTED

SANTA CRUZ, Santa Cruz Co., Cal. —Until November 5, 9 A. M., to be opened at 9:30 A. M., bids will be received by Santa Cruz City Council, S. A. Evans, City Clerk, for repairing and modernizing the Seagrave Motor Fire Engine Pumper.

Specifications obtainable from the above office.

30—RESERVOIRS & DAMS

BONDS DEFEATED

SANTA BARBARA, Cal.—The $245,-000 bond issue to finance construction of the La Mesa and El Cielito reservoirs was defeated at the special election October 23.

CONTRACTS AWARDED

SHOSHONE, Idaho — Morrison-Knudsen Co., Boise, Idaho, at $102,-494 awarded contract by the Board of Directors of the Big Wood Canal Co., Shoshone, Idaho, for the reconstruction of outlet works and installation of emergency gates and needle valves in the Big Wood Canal Company's Magic Dam, located on Big Wood River about 25 miles north of Shoshone.

The contract for steel pipe was awarded to Babcock & Wilcox, Denver, at $20,005.

Hardie-Tynes, Birmingham, Ala., at $50,597 awarded contract for gates and valves.

NEW BIDS ASKED

FORT PECK, Montana—Until Nov. 12, 12 M., new bids will be received by the U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, Mo., for the construction of the Fort Peck Dam Spillway (Schedule I of original advertisement). The site of the proposed spillway for the Fort Peck Dam is about 3 miles east of the east end of the dam. It will consist essentially of an unlined approach channel about 2000 ft. long leading to an intake structure composed of structural steel gates mounted between concrete piers, a concrete lined channel about 5000 ft. long and a cut-off structure at the lower end of this channel. An unlined outlet channel will also be excavated (under contract recently awarded) from the lower end of the lined channel to the river valley. The specifications provide only for the construction of the unlind approach channel, the concrete lined channel, and the preliminary excavation for the proposed gate structure which will be located between the approach channel and the lined section.

Copies of the plans and specifications may be obtained from the above office upon deposit of a certified check or money order for $100, to insure their return.

Plans and specifications have been forwarded to the following U. S. Engineer Offices, where they may be seen by interested parties: U. S. District Engineer, 401 Customhouse, San Francisco; U. S. District Engineer, Federal Office Bldg., Seattle; U. S. District Engineer, Administration Bldg., Fort Peck, Montana. Captain Theodore Wyman Jr., Assistant to the Division Engineer.

On the previous bid opening on September 24, Hardwick & McGlone, City Bank Bldg., Kansas City, submitted low bid at $7,918,530.

BIDS WANTED

LOS ANGELES, Cal. — Until Nov. 13, 2 P. M., new bids will be received by the Los Angeles County Board of Supervisors for the placing of rock on downstream face and crest of San Gabriel Dam No. 2. The work involves:

(1) 59,500 cu. yds. placing loose rock fill on downstream face;
(2) 3000 cu yds. placing packed rock fill on crest;
(3) 62,000 cu. yds. placing waste in waste piles.

Samuel Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

The bids received October 29 were returned unopened.

BOND ELECTION

SAN DIEGO, Cal.—A $160,000 bond issue to finance the repair of the Lake Hodges Dam will be voted on at the general election November 6. The proposed repair work, which has been ordered by the state engineer, will involve: 575,000 lbs. reinforcing steel; 4200 cu. yds. Class A concrete; 6000 lbs. Portland cement. Fred D. Pyle is city hydraulic engineer.

31—PIPE LINES & WELLS

BIDS WANTED

OWYHEE PROJECT, OREGON-IDAHO—Until November 26, 10 A. M., bids will be received by the Bureau of Reclamation, Ontario, Oregon, under Spec. No. 598, for the construction of the Malheur River siphon and Dead Ox siphon, North Canal, Dead Ox Flat Division, Owyhee Project, Oregon-Idaho. The work is located about 6 miles southwest of Ontario, Oregon.

The Malheur River siphon will have a total length of approximately 4½ miles and the Dead Ox siphon will have a total length of approximately 825 feet. The inlets and outlets of the siphons will be constructed of reinforced concrete siphon barrel. The each siphon there will be a comparatively short length of monolithic reinforced concrete siphon barrel. The specifications provided for bids on two alternative designs for the construction of the Malheur River siphon and for bids on two alternative designs of supporting rings for the plate-steel pipe for the siphon. The schedules are also arranged to permit separate bids on earthwork and concrete construction and on furnishing and erecting or laying the plate-steel or precast concrete pipe. The alternative design for the Malheur River siphon providing for welded plate-steel pipe construction will involve furnishing and erecting approximately 22,000 feet of 80-in. diameter pipe for hydrostatic heads varying from 52 to 273 feet. The pipe will be supported on concrete piers constructed about 60 feet apart. The alternative design for the Malheur River siphon providing for precast reinforced concrete pipe construction will involve manufacturing and laying approximately 20,000 feet of 78-in. inside diameter concrete pipe and approximately 1800 feet of 80-in. diameter welded plate-steel pipe at the river crossing. The concrete pipe will be embedded in the ground and the steel pipe will be supported on concrete piers. The Dead Ox siphon will be constructed of 70-in. diameter welded plate-steel pipe.

The principal items and the estimated quantities involved are as follows:

Welded Plate-Steel Siphons

(1) 44,500 cu. yds. all classes of excavation;
(2) 15,580 cu. yds. backfill;
(3) 3400 cu. yds. concrete;
(4) Placing 360,000 lbs. of reinforcement bars;
(5) Furnishing and erecting 22,000 lin. ft. 80-in diameter welded plate-steel pipe;
(6) Furnishing and erecting 725 lin. ft. of 70-in. diameter welded plate-steel pipe.

Precast Concrete Pipe Design of Malheur River Siphon

(1) 85,400 cu. yds. all classes of excavation;
(2) 73,800 cu. yds. backfill;
(3) 1880 cu. yds. concrete;
(4) Placing 167,000 lbs. of reinforcement bars;
(5) Installing 20,600 lbs. of metal work
(6) Constructing 16,900 lin. ft. 6-in. to 10-in. diameter clay sewer pipe drains;
(7) Manufacturing and laying 20,200 lin. ft. 78-in. diameter precast reinforced concrete pipe;
(8) Furnishing and erecting 1800 lin. ft. of 80-in. diameter welded plate-steel pipe.

Plans and specifications obtainable from above office without charge to prospective bidders; to others, $3, not returnable.

BIDS WANTED

LOS ANGELES, Cal.—Until November 5, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the placing of rock on downstream face and crest of San Gabriel Dam No. 2. The work involves:

(1) 59,500 cu. yds. placing loose rock fill on downstream face;
(2) 3000 cu. yds. placing packed rock fill on crest;
(3) 62,000 cu. yds. placing waste in waste piles.

Samuel Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

The bids received October 29 were returned unopened.

31—PIPE LINES & WELLS

BIDS WANTED

LA MESA, Cal.—Until 10 A. M., November 17, bids will be received by the La Mesa, Spring Valley and Lemon Grove Irrigation District, La Mesa, for constructing concrete and steel pipe lines appurtenant to and incidental to the main pipe line in accordance with plans and specifications which may be obtained from C. Harritt, general manager and chief engineer, upon payment of $25, which will not be returned. Bids will be taken as follows:

I CONSTRUCTION OF PIPE LINE TO BY-PASS WATER IN OLD FLUME AROUND NEW MAIN PIPE LINE:

(1) 4500 lin. ft. 24-in. welded steel

pipe;
(2) 22 dreser couplings;
(3) 1000 lugs complete with bolts (500 sets);
(4) laying and removing 24-in. welded steel pipe as each section is completed (approximately 20,616 feet);
(5) 13 redwood by-pass connections to flume;
(6) 2 special concrete by-pass connections to flume;
(7) 12 connection to existing concrete structures;
(8) 18 cu. yds. Class B concrete in angle anchorage.

II CONCRETE FOREBOYS TO BE RAISED
(I) 40.6 cu. yds. Class C concrete.

III TUNNEL LINING
1673 lin. ft. concrete slab through tunnels;
18 brick bulkheads to be constructed.

IV 41,000 LIN. FT. REMOVE OLD WOODEN FLUME

V CONNECT SERVICE TO NEW LINE
(1) 16 3-in. companion flanges complete with bolts and gaskets;
(2) 54 4-in. companion flanges complete with gaskets;
(3) 16 3x6-in. galv. iron nipples;
(5) 16 3x2-in. galv. iron nipples;
(6) 54 4x2-in. galv. iron reducers;
(7) 210 2x6-in. galv. iron nipples;
(8) 140 2-in. glav. iron ells;
(9) 70 2-in. std. non-rising stem gate valves;
(10) 17 2-in. Neptune Triden disc meters, or equal;
(11) 3 1-in. Neptune Triden disc meters or equal;
(12) 70 2-in. dresser couplings;
(13) 1750 2-in. galv. iron screw pipe with couplings;
(14) 70 redwood meter boxes.

VI CONSTRUCTION OF BRANCH LINE TO CONSUMERS:
(1) 2265 ft. 8-in. welded steel pipe, manufactured, delivered and laid;
(2) 1947 ft. trenching and backfilling;
(3) 605 ft. 6-in. welded steel pipe, manufactured, delivered & laid;
(4) 605 ft. 6-in. trenching and backfilling;

VII CONSTRUCTION OF PIPE LINE ON TUNNEL NO. 6:
(1) 327 ft. 42-in. centrifugal concrete pipe;
(2) 41.1 cu. yds. Class B concrete cradle (316 lin. ft.);

VIII CONSTRUCTION OF WELLS FOR BLOW OFF ON MAIN CONCRETE PIPE LINE:
(1) 9 blow-off wells.

IX CONSTRUCTION OF CONCRETE SPILLWAY PIPE:
(1) 1635 ft. 24-in. centrifugal concrete pipe;
(2) 3 spillway basins;
(3) 1043 cu. yds. excavation;
(4) 1043 cu. yds. backfill.

X CONSTRUCTION OF CONCRETE PIPE LINE WITH SECOND GRADE PIPE:
(1) 400 ft. 42-in. centrifugal concrete pipe (second grade);
(2) 1.73 cu. yds. Class A concrete to connect with flume;
(3) 204 cu. yds. excavation;
(4) 408 cu. yds. backfill.

Certified check for 10% must accompany each bid.

BIDS WANTED

VENTURA, Cal — Until November 13, 7:30 P. M., bids will be received by the Ventura City Council for the drilling of a gravel envelope type water well to a depth of approximately 700 feet. The well is to be drilled on city property located on the west side of South Seward Ave. at the foot of the bluffs facing the ocean adjacent to the east boundary line of the City of San Buenaventura.

Plans and specifications may be obtained from C. F. Zapf, water superintendent. upon payment of $2 per set. Certified check or bond, 10%. Grace Woodruff, City Clerk.

BOND ELECTION

SAN DIEGO, Cal.—A $350,000 bond issue to finance the construction of an additional six miles of 48-in. pipe line on the El Capitan-Lakeside pipe line will be voted on at the general election November 6. If the issue carrier, bids will be taken on alternate proposals, viz: welded steel, cast iron, and concrete pipe. Plans and specifications being prepared by Fred D. Pyle, city hydraulic engineer.

LOW BIDDERS

RIVERSIDE COUNTY, Cal. — Apparent low bidders on main schedules for construction of cut-and-cover concrete conduit, precast and monolithic concrete siphons, steel pipe siphons, and appurtenant works of the Colorado River Aqueduct, Station 9289 plus 29 to 12122 plus 00, in accordance with Specifications No. 75, for the Metropolitan Water District, follow:

Schedule No. 18—Mittry Bros. Constr. Co., 5531 Downey Road, Los Angeles (including Schedule 18A), $833,915.50.

Schedule No. 18K—American Concrete & Steel Pipe Co., 4635 Firestone Blvd., South Gate. $572,070.

Schedule No. 18S—Western Pipe and Steel Co., 5717 Santa Fe Ave, Los Angeles, $596,838.70.

Schedule No. 19—J. F. Shea, Mecca, Calif., $1,113,757.

Schedule No. 19A—J. F. Shea, Mecca, Calif., $77,170.

Schedule No. 20—J. F. Shea, Mecca, Calif., $545,915.20.

Schedule No. 20P—American Concrete & Steel Pipe Co., $901,073.90.

Schedule No. 20K—American Concrete & Steel Pipe Co., $482,827.

Schedule No. 21—A. Teichert & Son, Inc., 1846 37th St., Sacramento, $346,013.50.

Schedule No. 22—Dimmitt & Taylor, 815 E. 59th St., L. A., $159,732.

Schedule No. 25—Morrison - Knudsen Co., 1121 Title Guarantee Bldg., Los Angeles (including Schedule 23A), $1,165,105.

Schedule No. 23A—Morrison Knudsen Co., $58,300.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

LOS ANGELES, Cal.—Bids for the construction of Unit 2A of the Terminal Island outfall sewer with force main and clarifier, PWA Project 5633. were opened by Los Angeles Board of Public Works, October 24.

The work involves:

(1a) 164.88 l.f. 30-in. CI pipe sewer, including concrete footings and 20-in. check valve (furnished by city).

(1b) 82.74 l.f. 20-in. same.

(2) 609.55 l.f. 30-in. cast iron (bolted joint pipe) sewer.

(2a) (Alt. for item 2) 60.55 l.f. 30-in. vitrified clay extra strength pipe sewer.

(3) 496 l.f. 30-in. CI pipe sewer.

(3c) (Alt. to item 3) 496 l.f. 30-in. CI pipe (bolted joint pipe) sewer.

The bids were:

Bebek and Brkich and Artukovich Bros. Co. proposed: (1a) $3200; (1b) $1855; (2) $8916; (2a) $7925; (3) $13,860.72; (3c) $14,242.

Marko Matick: (1a) $3270; (1b) $1,707; (2) $7940; (2a) $6477; (3) $13,424; (3c) $13,520.

The above itemized prices are based on receiving the award for the entire job of four items:

R. H. Travers: (1a) $2924; (1b) $2,733; (2a) $9703; (3c) $17,800.

Fred W. Weber: (1a) $4350; (1b) $2350; (2a) $6300; (3) $13,300.

Bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—F. F. Greenfield Co., 7310 S. Figueroa St., Los Angeles, at $12,884 submitted low bid to Los Angeles Board of Public Works, October 24, for the construction of the Harbor Blvd. sewage pumping plant at San Pedro, PWA Project No. 5633, Unit No. 4a. The work consists of the construction of a reinforced concrete pump pit, including cast iron force main, a reinf. concrete meter chamber and the 12-in. overflow sewer. (The equipment is not to be installed under this contract.)

The other bids were:

Byerts & Dunn	$13,900
Shannahan Bros., Inc.	15,109
R. H. Travers	16,773
Oscar Oberg	18,224

The bid of Herman H. Teget was not declared, as certificate of compliance with NRA was not signed.

CONTRACT AWARDED

MONTEREY, Monterey Co., Cal.—W. J. Tobin, 3701 Balfour Avenue, Oakland, at $2,587.90 submitted low bid and awarded contract by the Monterey City Council October 23, for improvement of portions of Lake and other streets by construction of sewers as specified in Resolution of Intention No. 3490. Clyde A. Dorsey, city clerk.

James L. Connor, Monterey, at $3,190.75 submitted the only other bid.

BIDS WANTED

NEWPORT BEACH, Calif. — Until Nov. 19, 7:30 P. M., bids will be received by the Newport Beach City Council for constructing a wooden sheet pile bulkhead at the Newport Bay Harbor entrance, contiguous to Channel Road, in accordance with specifications which may be obtained from R. L. Patterson, City Engineer. Certified check or bond, 10%.

Bids will be taken as follows:
(1) 323 ft. Section "A" wooden bulkhead;
(2) 252 ft. Section "B" do;

The work will involve:
(1) 65,000 bd. ft. 4x12 T & G creosoted sheet piling;
(2) 5,400 bd. ft. 6x8 T G do;
(3) 1,100 l.f. 12-in. T&G creosoted piling. 2

BIDS WANTED

FRESNO, Fresno Co., Calif.—Until November 15, 11 A. M., bids will be received by the Fresno City Council, H. S. Foster, City Clerk, in the Council Chamber of the City Hall, for the construction of a storm water sewer system in the Central District, PWA Project 6751-2.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

LOS ANGELES, Cal.—F. F. Greenfield Co., 7310 S. Figueroa Street, Los Angeles, at $10,134 awarded contract by the Los Angeles Board of Public Works, for the construction of the Thompson St. sewage pumping plant in the Culver Blvd. and Thompson Street Sewer District.

BID OPENING DATE POSTPONED UNTIL NOV. 30

HONOLULU, T. H.—Until Nov. 30 (date postponed from Oct. 26) bids will be received by the Treasury Department, Washington, D. C., for landscaping grounds of the U. S. Immigration Station at Honolulu.

33— WATER WORKS

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 5, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the removal and relocation of one Joshua Hendy needle valve, removal of one Pelton needle valve and the installation of two 30-inch gate valves at the Pacoima Dam.

Samuel M. Fisher, County Flood Control Engineer, 205 S. Broadway Mame B. Beatty, Clerk of the Board.

BONDS DEFEATED

SANTA BARBARA, Cal.—The $160,000 bond issue to finance a filtration plant at the Sheffield Reservoir was defeated at the special election Oct. 23.

CONTRACT AWARDED

BRAWLEY, Imperial Co., Cal.—The Chicago Bridge & Iron Works, 608 S. Hill St., Los Angeles, at $23,790 was awarded contract by the Brawley City Council for constructing a 250,000-gal. elevated steel tank and tower complete with cable and conduit connections to pumps.

CONTRACT AWARDED

BRAWLEY, Imperial Co., Calif.—Marko Mattich, 1269 E. Colorado Blvd. Los Angeles, at $95,672 awarded the contract by the Brawley City Council for the construction of extensions to the water system located in and outside of Brawley.

Koebig & Koebig, 458 S. Spring St., Los Angeles, consulting engineers.

PLANNED

PACIFIC GROVE, Monterey Co., Cal.—The Pacific Grove City Council plans purchase of heating, chlorinating and filtering equipment to be installed at municipal swimming pool. Estimated cost, $6,500.00. Other improvements to be undertaken include retaining walls, walks, terraces to be constructed by day labor. Project supervised by Architects C. J. Ryland and W. O. Raiguel, Hotel Del Monte.

AWARDS APPROVED

MODESTO, Stanislaus Co., Calif.—The PWA Cliffton E. Hickok, Northern California District Engnieer, has approved award of contracts by the Modesto Irrigation District as follows:

California Gunite Co., Hollywood, at $36,524.40, for 251,700 sq. ft. of 1½-in. gunite and 237,060 sq. ft. of 2-in. gunite.

J. N. Kristich, Knightsen, at $31,262.74 for 170 c.y. reinforced concrete; 201,485 sq. ft. 2½-in. concrete lining, and 155,000 sq. ft. 3-in. concrete lining.

The above recommended awards are in connection with the construction of a rock cut, repair of old lining by guniting, construction of concrete lining and of reinforced concrete structure in the Main Canal of the Modesto Irrigation District, for which bids were opened by the Board of Directors of the District on Oct. 16.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

PORT ANGELES, Wash.—Bids are being received by the Custodian, Post Office, Port Angeles, for planting and seeding grounds at the U. S post office, Port Angeles.

BIDS WANTED

SAN YSIDRO, San Diego Co., Cal.—Bids are being received by the Custodian of the San Ysidro Post Office for planting and seeding the ground at the U. S. post office at San Ysidro.

CONTRACT AWARDED

NAPA, Napa Co., Cal.—Walter Kinder, Napa, at $1,717 awarded contract by the Treasury Department for lawn sprinkling system for the U. S. post office grounds at Napa. Work involves installation of 165 sprinkler heads, using copper pipe and brass fittings. The West Coast Nursery Co., 580 Market St., San Francisco at $777 awarded contract for landscaping the grounds for the above project.

BIDS OPENED

SAN FRANCISCO. — Following bids received by Veterans Administration Facility, Palo Alto, for the following items at the Veterans' Administration Facality at Fort Miley, San Francisco:

(1) 3,000 cu. yds. top soil;
(2) 20,000 lbs. peat moss;
(3) 700 lbs. grass seed;
(4) 65 tons native flagstone.

Devincenzi Bros., 150 Collins St., (1) $2,790 (net).

Max Rosenberg, (1) $2,925; 2%, 10 days; 1½% 20 days; 1% 30 days.

L. Devincenzi & Co., (1) $3,000; 3% 10 days; 2% 20 days; 1% 30 days.

San Francisco Paving Co., (1) $3,705; 2% 10 days; 1% 20 days; ½% 30 days.

H. C. Carter Co., (2) $147.50; (3) $196 2% 10 days; 1½% 20 days; 1% 30 days.

California Nursery, (2) $200; (3) $200

Evans Feed & Fuel Co., Palo Alto, (3) $210; (4) $604.60; 1% 10 days.

Central Supply Co., (4) $910.

Vincent Feed Co., (3) $190.75 (net).

Germaine Seed Co., Los Angeles, (3) $125.00.

BIDS OPENED

SAN FRANCISCO—Following bids recolved by the Veterans Administration Facility, Palo Alto, for furnishing trees and shrubs for the Veterans Administration Faciltiy, Fort Miley, San Francisco. Walter A. Hoff, 580 Market St., $3067.

(1) Trees and shrubs all in place; lump sum.
(Alternate) If trees and shrubs, as specified, are added to Item 1, lump sum.
(2 to 16) do, for different types of trees and shrubs.

Walter A. Hoff (1) $3067; (at.) $117; (4) $141; (6) $54; (11) $47; (13) $149; (15) $136: 2%, 10 days; 1% 20 days; net 30 days.

Leonard Coates Nursery (1) $3578.45; (Alt.) $135.20, 2% 10 days, 1½%, 20 days; 1% 30 days.

Pacific Nurseries (1) $3682.17 (alt.) $157; (4) $130; (7) $25; (10 $130; (11) $68 (12) $175; (13 $180; (15) **$90: 2% 10 days; 1% 30 days.**

California Nursery (1) $4500. (Alt.) $165; (2) $450; (4) $240; (5) $300; (6) $25; (7) $25 (8) $150; (9) $150 (10) $350, (11) $100, (12) $650, (13) $85, (14) $35, (15) $150, (16) $25; 2% 10 days, 1% 20 days; net 30 days.

Golden Gate Nursery (2) $200, (4) $116 (6) $125, (10) $210, (12) $600, (13) $120, (15) $316.

Bids held under advisement.

29—STREETS AND HIGHWAYS

LOW BIDDERS

ESMERALDA COUNTY, Nevada—Dodge Construction, Inc., Fallon, at $129,046.24 submitted low bid to the Nevada State Highway Directors, Carson City, for the construction of 23.19 miles of the State Highway System in Esmeralda County, Route 3, Section D & E, NRH 97 A & B, bet. 4 miles west of Millers and Coaldale.

Isbell Constr. Co., Carson City, at $139,265.66 submitted second low bid.

LOW BIDDERS

DOUGLAS COUNTY, Nev. — Frederickson & Watson Constr. Co., 81st Ave., Oakland, at $84,155.17 submitted low bid to the Nevada State Highway Directors, Carson City, for the construction of 4.73 miles of the State Highway System in Douglas County, Route 3, Section C2 and C4, NRH 38 A, B and 99-A, between Cradlebaugh and Clear Creek.

Dodge Constr. Co., Inc., Fallon, at $85,728.57 submitted second low bid.

BIDS WANTED

KERN COUNTY, Cal.—Until Nov. 21, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 1.6 miles of grading and surfacing with bituminous treated crushed gravel or stone in Kern County between one mile east of Taft and ½ mile west of Taft.

The work involves:

NOTE: Certificate of compliance will not be required on this project.

(1) 27,500 c.y. rdwy. excav., unclass.;
(2) 298,000 sta. yds. overhaul;
(3) 1,400 c.y. structure excavation;
(4) 140 c.y. concrete removed from existing pave. and struc.;
(5) 4,425 tons crushed gravel or stone
(6) 225 tons cut-back asphalt road oil;
(7) 4,650 tons mixing cut-back asphaltic road oil and crushed gravel or stone;
(8) 255 tons fuel oil;
(9) 32,000 sq. yds. preparing, mixing and shaping roadbed;
(10) 174 c.y. Class A Portland cement concrete (structures);
(11) 40 c.y. Class B do (bridge);
(12) 14,350 lbs. bar reinf. steel (structures);
(13) 606 l.f. 18-in. CMP;
(14) 514 l.f. 24-in. CMP;
(15) 64 l.f. 36-in. CMP;
(16) 16.5 MFBM redwood timber, dense, select, all-heart structural grade;
(17) 25 MFBM redwood timber select all-heart structural grade;
(18) 940 M. gals. water;
(19) 127 l.f. solid timber guard rail;
(20) 165 each timber guide posts;
(21) 20 each culvert markers;
(22) 83 stations finshing roadway;
(23) 22 each monuments.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is located.

LOW BIDDERS

NYE COUNTY, Nevada—Silver State Construction Co., Fallon, at $29,165.29 submitted low bid to the Nevada State Highway Directors, Carson City, for the construction of approximately 17 miles of asphaltic roadmix surface in Nye County, between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5, Section B2, C and D1, FLEC-3F.

Jack Casson, Hayward, at $29,648.42 submitted second low bid.

NOTICE TO BIDDERS

CALIFORNIA STATE—C. H. Purcell, State Highway Engineer, has announced the cost of Blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on November 14: IV-S.M-105 and 55-A and B and C, between 3 mi. east of Half Moon Bay and Summit: Plans, 13 sheets, $1.30; Cross-Sections 76 sheets, $7.60; Total $8.90.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

CONTRACT AWARDED

FERRY CO., Wash.—March Const. Co., 1928 W. 2nd St., Spokane, at $37,818.70 awarded contract by the Bureau of Public Roads, Portland, for improving the Republic-Kettle Falls Surfacing Project, 7.137 miles, in Ferry County.

CONTRACT AWARDED

YAKIMA CO., Wash.—Midstate Contracting Co., Yakima, at $27,489 on Schedules A and B, submitted low bid and awarded contract on Schedule B, by L. V. Murrow, Director of Highways, Olympia, October 23, for widening with Portland cement concrete and retopping existing pavement with asphaltic concrete about 0.6 mile of State Road No. 3, in the City of Union Gap, U.S.P.W. Project NRM 194-F, in Yakima County.

The other bids were:

J. B. Covello, Seattle Schedules A and B, $27,894.

United Const. Co., Portland, Schedule A, $28,974; Schedule B, no bid.

H. P. Dorsey, Bellingham, Schedule B, $33,499.

BIDS WANTED

SAN BERNARDINO and Riverside Cos., Cal.—Until Nov. 13, 2 P. M., bids will be received by E. Q. Sullivan, District Engineer, Division of Highways, 247 Third St., San Bernardino, for about 12.3 miles of bituminous surface treatment to be applied to existing oiled shoulders in San Bernardino and Riverside Counties between Calimesa and Banning.

Plans and specifications obtainable from the above office.

BIDS WANTED

MARIN COUNTY, Cal.—Until November 13, 12 M., bids will be received by the Tamalpais Union High School District, Frank Bush, Secretary of the Board of Trustees, for the delivery of dirt rock fill on the High School grounds. All bids must specify price per yard and the amount that can be furnished. The minimum amount required is 8000 or more yards.

Bids will also be received for furnishing the rock and sand.

Specifications obtainable from above office.

CONTRACT AWARDED

WHITE PINE AND NYE COUNTIES, Nevada—Dodge Construction. Inc., Fallon, Nevada, at $121,716 awarded contract by the Bureau of Public Rds, Sheldon Bldg., San Francisco, for grading and placing crushed gravel base course on Section A of Route 12, the Midland Trail (Currant Creek) National Forest Highway, Nevada National Forest and Section C of Federal Lands Highway Project No. 1 (Part of Midland Trail) Ely-Tonopah Highway, in White Pine and Nye Counties, Nevada.

LOW BIDDERS

ARIZONA STATE.—Tanner & Hall, Phoenix, at $54,355 submitted low bid to the Arizona State Highway Commission, Phoenix, October 30, for improving the Kingman - Boulder Dam Highway, NRS 102-B (AFE 6903). The work, which begins about 30 miles northwest of Kingman and extends northwesterly approximately 9 miles, consists of grading and draining the roadway.

Pearson & Dickerson Contractors, Inc., Prescott, at $59,525 submitted second low bid.

BIDS WANTED

ARIZONA STATE.—Until Nov. 20, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Holbrook-St. Johns Highway NRH 78-H (AFE 2655.) The work, which is to begin at the Little Colorado river, approximately 33 miles southeast of Holbrook and extend easterly about 2¾ miles, consists of grading and draining the roadway and placing select materials.

The work involves:

(1) 27,700 c.y. roadway excavation;
(2) 3,900 c.y. drainage excavation;
(3) 1,300 c.y. structural excavation;
(4) 7,900 c.y. borrow excavation;
(5) 4,800 c.y. select material;
(6) 11,500 c.y. mi. select material, haul;
(7) 748 c.y. concrete;
(8) 77,600 lbs. reinforcing steel;
(9) 94,800 lbs. structural steel;
(10) 960 l.f. CMP;
(11) 27,900 l.f. line fence;
(12) incidental items.

Funds have been programmed for the construction of this project in the amount of $79,000. In the event contract unit prices indicate a total cost of the project as planned in excess of the amount of funds programmed for the work, the length of the project will be shortened, if necessary, to keep the cost of the work within the funds allotted thereto.

Plans and specifications obtainable from the above office.

T. S. O'Connell, State Highway Engineer. 29

BIDS OPENED

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $38,522.50 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for about 0.6 mile of grading and paving with asphalt concrete in the City of Long Beach, between Pacific Ave. and Olive Ave. The other bids were:

Sully - Miller Contracting Co., Long Beach, $40,478.50 .
Oswald Bros., Los Angeles, $42,117.75.
Los Angeles Paving Co., Inc., Los Angeles, $44,844.75.

AWARD RECOMMENDED

COCONINO CO., Ariz.—Award of a contract to the Tiffany Const. Co., 535 N. 7th St., San Jose, Calif., at $76,892, for grading and placing selected material subgrade reinforcement on Section B of Route 3, the Flagstaff-Clints Well National Forest Highway, Coconino National Forest, Coconino Co., Ariz., has been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

CONTRACT AWARDED

LOS ANGELES, Cal.—Sully-Miller Cotracting Co., 1500 W. 7th St., Long Beach, at $54,293.50 awarded contract by the State Highway Commission, Sacramento, for 0.5 mile in length of grading and paving with Portland cement concrete in Long Beach between Loma Ave. and Hathaway Ave.

CONTRACT AWARDED

GRANT COUNTY, Oregon—Fred H. Slate, Multnomah, Oregon, at $58,983.49 (Metal Pipe) awarded contract by the Bureau of Public Roads, Portland, for constructing 1.432 miles of the Canyon City-Burns Reconstruction Grading Project FHEC-35-A2, National Forest Road Project, located within the Malheur National Forest, Grant County, Oregon.

CONTRACT AWARDED

CHELAN CO., Wash.—C. L. Creelman, 1079 25th N, Seattle, at $103,447.22 awarded contract by the Bureau of Public Roads, Portland, for constructing the Stevens Pass Highway Reconstruction, Grading and Advance Clearing Project NR-8-A4, National Forest Road Project, located within the Wenatchee National Forest, Chelan County, Wash. The length of the project is approximately 1.5818 mi. grading, and 3.163 mi. clearing.

BIDS WANTED

SAN FRANCISCO—Until November 7, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the reconstruction of a portion of the roadway on Market Street, between Third and Kearny Sts. and Sixth and Taylor Sts., where directed, excluding that portion required by law to be kept in repair by the railway companies having tracks thereon. The work involves:

(1) 47,600 sq. ft. asphalt concrete or asphalt wearing surface to be removed to a depth of from 1-in. to 3-in. by heating, and to be replaced with an asphalt concrete wearing surface 1-in. to 2-in. in thickness.
(2) 20,000 sq. ft. asphalt concrete conform pavement.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall, upon deposit of $10.

CONTRACT AWARDED

PLUMAS COUNTY, Cal.—Peninsula Paving Co., 715 Standard Oil Bldg., San Francisco, at $152,625.80 awarded contract by the State Highway Commission, Sacramento, for about 2.5 miles of grading in Plumas County, between Rock Creek and Storrie.

BIDS OPENED

BEVERLY HILLS, Los Angeles Co., Cal.—The Southwest Paving Co., 712 Lankershim Bldg., Los Angeles, at approximately $32,022 submitted low bid to the Beverly Hills City Council Oct. 24, for improving Santa Monica Blvd., Olympic Blvd., and other streets.

Bids were taken as follows:

(1) Surfacing only (8443 tons asphalt concrete);
(2) New paving (4100 sq. ft.);
(3) All other work in addition to Prop. 1 and 2 (retaining walls, etc.) lump sum;
(4) Prop. 1, 2, and 3 combined.

The bids were:

Los Angeles Paving Co., (1) $2.97; (2) $0.20; (3) $12,000; (4) $40,500.

Geo. R. Curtis Paving Co., (1) $2.75; (2) $.19; (3) $8,700; (4) .....

Oswald Bros., (1) $3.00; (2) $.25; (3) $13,500; (4) $0.05 per ton.

P. J. Akmadzich, (1) $2.80; (2) $.135 (3) $12,500; (4) .....

Griffith Co., (1) $2.97; (2) $.13; (3) $10,650;; (4) .....

Southwest Paving Co., (1) $2.39; (2) $.14; (3) $11,330.55; (4) .....

Complete description of the project was published October 2.

BIDS OPENED

WATSONVILLE, Cal.—Granite Construction Co., Ltd., Bin No. 9, Watsonville, at $8,189.90 submitted only bid to the Watsonville City Council October 23, for the removal of existing pavement on East Lake Avenue and rebuilding same, from the southwestern wall line of Madison Street to the northeasterly boundary of Watsonville.

The bid has been forwarded to the State Highway Department of approval. M. M. Swisher, City Clerk.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SAN DIEGO — EL CAPITAN TUNNEL — (CITY)

SAN DIEGO, Cal. — M. H. Golden, 404 California Bank Bldg., San Diego, at $53,177.75 submitted low bid to the San Diego City Council, October 30, for the construction of El Capitan Reservoir Dam Tunnel inner lining in accordance with plans and specifications prepared by Fred D. Pyle, hydraulic engineer. The proposed work is located on the San Diego River about 8 miles northeasterly from the town of Lakeside, which is the terminal of the Lakeside branch of the San Diego & Arizona Railway. The town of Lakeside is about 21 miles northeasterly from the City of San Diego. The work involves:

(1) 2920 cu. yds. concrete inner lining in place;
(2) 300 cu. yd . concretes in tunnel plug;
(3) 4650 bbls. cement in place in the work;
(4) 142,000 lbs. reinforcing steel in place in the work;
(5) 2000 cu. ft. cement grout in place in the work;
(6) 500 lin. ft. 12-in. grout and drain in place in the work;
(7) 100 lin. ft. drill holes in concrete;
(8) 700 lin. ft. 2-in. Troiel or equal pipe in place in the work;
(9) 5 bbls. cement passing 200 mesh sieve in place in the work;
(10) 20 2-in. pipe caps;
(11) 25,000 sq. ft. wet sand blasting.

Total bids follow:

(A) M. H. Golden, San Diego, $53,-177.75.
(B) Bodenhamer Constr. Co., Oakland, $81,974.
(C) Kemper Constr. Co., Los Angeles, $85,458.
(D) V. h. Dennis Constr. Co., San Diego, $86,495.
(E) Walter Trepte, San Diego, $86,-840.

Unit bids follow:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
(A)..	$10.05	$12.00	$2.295	$0.04	$0.90	$0.50	$0.20	$0.75	$5.00	$0.50	$0.05
(B)..	18.00	18.00	2.36	.04	2.00	.50	2.00	.50	10.00	.50	.10
(C)..	18.50	12.00	3.54	.053	1.13	.30	1.50	.30	6.00	.45	.03
(D)..	20.00	20.00	2.50	.0425	1.00	.50	2.00	1.00	6.00	.25	.05
(E)..	20.00	20.00	2.50	.035	1.00	1.00	1.00	1.00	5.00	1.00	.10

HAMILTON FIELD — FENCING — (GOVT.)

HAMILTON FIELD, Marin Co., Cal. —Following bids received by the Constructing Quartermaster at Hamilton Field, for constructing fences around quartermaster buildings at Hamilton Field.

The work involves:

(1) 732 lin. ft. chain link fence;
(2) steel picket fence;
(3) 2x4 ft. No. 11 gauge wire mesh;
(4) 2x4 ft. No. 9 do;
(5a) fence complete, per lin. ft. under item 1;
(5b) fence complete, per lin. ft. under item 2;
(5c) wire mesh, per lin. ft. under item 3;
(5d) do under item 4;
(5e) gates, 10-ft. long;
(5f) 3-in. O.D. end posts;
(5g) 4-in. O. D. gate posts;
(5h) 6-in. posts.

The bidders were:

(a) Anchor Post Fence Company.
(b) Steuart Iron Works.
(c) Michel & Pfeffer Iron Works.
(d) Wickwire Spencer Co.
(e) Wayne Iron Works.
(f) West Coast Wire Works.
(g) Western Steel & Wire Works.
(h) Munthe Equipment Co.
(i) Standad Fence Co.
(j) Trask & Squiers.
(k) Pacific Fence Company.
(l) Pittsburg Steel Co.
(m) Rolph Mills & Co.
(n) Armour Fence Company.

Unit prices follow:

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
(1).....	$1658.00	$1658.00	$1658.00	$1658.00	$1658.00	$1658.00	$1658.00
(2).....	.....	.....	.....	.....	.....	.....	.....
(3)*.....	434.00	434.00	1224.00	434.00	434.00	434.00	434.00
(4).....	.....	.....	.....	.....	.....	.....	.....
(5a).....	1.428	1.428	1.428	1.428	1.428	1.428	1.428
(5b).....	.....	.....	.....	.....	.....	.....	.....
(5c).....	.995	.....	.995	.995	.995	.995	.995
(5d)	.....	.....	.....	.....	.....	.....	.....
(5e).....	46.75	46.75	46.75	46.75	46.75	46.75	46.75
(5f).....	8.76	8.76	8.76	8.76	8.76	8.76	8.76
(5g).....	12.41	12.41	12.41	12.41	12.41	12.41	12.41
(5h).....	31.03	31.03	31.03	31.02	31.03	31.03	31.03

* Deduct.

	(h)	(i)	(j)	(k)	(l)	(m)	(n)
(1).....	$1658.00	$1658.00	$1658.00	1658.00	$1658.00	$..	$1658.00
(2).....	.....	.....	.....	.....	.....	.....	.....
(3)*.....	1224.00	434.00	434.00	434.00	.....	1224.00	434.00
(4).....	.....	.....	.....	.....	.....	.....	.....
(5a).....	1.428	1.428	1.428	.....	1.428	.....	1.428
(5b).....	.....	.....	.....	.....	.....	.....	.....
(5c).....	.995	.995	.995	.995	.....	.995	.....
(5d).....	.....	.....	.....	.....	.....	.....	.....
(5e).....	46.75	46.75	46.75	46.75	46.75	46.75	.....
(5f).....	8.76	8.76	8.76	.....	8.76	8.76	8.76
(5g).....	12 41	12.41	12.41	12.41	12.41	12.41	.....
(5h).....	31.02	31.03	31.03	31.03	31.03	31.03	.....

* Deduct.

COMPLETE BID LISTING

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 L. A. Railway Bldg., Los Angeles, at $38,522.50, as previously reported, submitted low bid to C. H. Purcell, State Highway Engineer, 811 State Bldg., Los Angeles, October 25, for highway construction in Los Angeles County, in Long Beach, between Pacific Ave. and Olive Ave., about 0.6 mils in length, to be graded and paved wnth asphalt concrete, involving:

(1) 31 sta. clear and gruh right of way;
(2) 5,400 c.y. rdwy. excav., unclass.;
(3) 50 sta. yds. overhaul;
(4) 700 c.y. struc. excav.;
(5) 13,600 sq yds. subgrade for pave.;
(6) 6,200 sq. yds. asph. paint binder;
(7) 5,650 tons asphalt concrete;
(8) 930 c.y. Class A Portland cement concrete (curbs, gutters, sidewalks, driveways, and retaining walls);
(9) 45 c.y. Class A do (structures);
(10) 3,600 lbs. bar reinf. steel (struc.);
(11) 5,300 lbs. misc. iron and steel (structures);
(12) 10 l.f. 6-in. plain concrete pipe;
(13) 170 l.f. 10-in. reinf. conc. pipe;
(14) 70 l.f. 12-in. do;
(15) 310 lf. 18-in. do;
(16) 1,300 c.y. concrete removed and disposed of;
(17) 335 tons crushed gravel or stone (bit. treated surfacing);
(18) 18 tons cutback asphalt do;
(19) 31 stations finishing roadway.

The total bids were:

(A) Griffith Co., Los Angeles, $38,522.50
(B) Sully-Miller Contracting Co., Long Beach, $40,478.50.
(C) Oswald Bros., Los Angeles, $42,-117.75.
(D) L. A. Paving Co., Los Angeles, $44,844.75.

The unit bids were:

	(A)	(B)	(C)	(D)
(1).....	$15.00	$10.00	$10.00	$ 9.00
(2).....	.33	.40	.70	.65
(3).....	.10	.10	.01	.05
(4).....	.70	.70	1.00	1.25
(5).....	.13	.10	.08	.13
(6).....	.02	.04	.03	.04
(7).....	2.88	3.35	3.17	3.38
(8).....	11.70	12.00	11.00	11.50
(9).....	20.00	20.00	30.00	20.50
(10).....	.05	.05	.05	.04
(11).....	.13	.15	.15	.15
(12).....	.70	2.00	.50	1.25
(13).....	1.80	2.00	2.00	3.00
(14).....	1.90	2.00	2.25	3.25
(15).....	2.60	2.50	3.00	3.75
(16).....	1.90	1.00	2.25	2.50
(17).....	2.50	3.00	2.35	2.75
(18).....	14.00	15.00	16.00	15.00
(19).....	5.00	3.00	5.00	5.00

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BIDS OPENED

BERKELEY, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $6764 submintted low bid to the Berkeley City Council for the improvement of The Alameda between Monterey and Solano Ave. The work involves:

(1) 68,900 sq. ft. grading;
(2) 25 yds. grading below subgrade;
(3) 68,900 sq. ft. crusher run base;
(4) 68,900 sq. ft. bituminous surfacing

Total bids follow:

(A) Lee J. Immel, Berkeley, $6764.
(B) Independent Constr. Co., Ltd., Oakland, $7590.81.
(C) Ransome Co., Emeryville, $8015.90
(D) J. H. Fitzmaurice, Oakland, $8,-447.75.
(E) Albany Cement Contractors, Albany, $10,345.
(F) W. H. Larson, Berkeley, No total

ORANGE COUNTY—3.4 Miles Grade and Pave—(State)

ORANGE COUNTY, Cal.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $165,487.70, as previously reported, submitted the low bid to C. H. Purcell, State Highway Engineer, 808 State Bldg., Los Angeles, October 25, for highway construction in Orange County, between .4 mile east of Peralto School and Gypsum Creek, about 3.4 miles in length, to be graded and paved with Portland cement concrete, involving:

1) 182 sta. clear and grub right-of-way;
2) 193,300 cu. yds. rdwy. excav. unclass.;
3) 1,980,000 sta. yds. overhaul;
4) 3500 cu. yds. channel excavation;
5) 5700 cu. yds. structure excav.;
6) 41,500 sp. yds. subgrade for pave.
7) 8230 cu. yds. Class A Port, cement concrete (pavement);
8) 170 cu. yds. do (structures);
9) 35,000 lbs. bar reinforcing steel (pavement and structures);
10) 14 each spillway assemblies;
11) 240 lin. ft. 8-in. C.M.P.;
12) 140 lin. ft. 12-in. C.M.P.;
13) 34 lin. ft. 18-in. C.M.P;
14) 1000 lin ft. 24-in. C.M.P.;
15) 420 lin. ft. 30-in. C.M.P.;
16) 170 lin ft. 36-in. C.M.P.;
17) 226 lin ft. 48-in. C.M.P.;
18) 200 lin. ft. 84-in. standard rein. concrete pipe;
19) 290 lin. ft. 84-in. light reinf. concrete pipe;
20) 2700 M. gals. water;
21) 287 tons fuel oil;
22) 23,600 sq. yds. preparing and mixing shoulders;
23) 40 tons Grade E asphalt;
24) 396 lin. ft. bank protection fence, single type;
25) 4476 lin. ft. bank protection fence, double type;
26) 200 lin. ft. laminated timber guard rail;
27) 770 each timber guide posts;
28) 56 each culvert markers;
29) 182 stations finishing roadway.
30) 56 each monuments.

The total bids were:

(A) Sharp & Fellows Contracting Co., Los Angeles, $165,487.70.
(B) J. L. McClain, Los Angeles, $169,-655.
(C) Basich Bros., Los Angeles, $172,-061.93.
(D) Oswald Bros., Los Angeles, $173,-246.15.
(E) Sander Pearson, C. O. Sparks & Mundo Engr. Co., Los Angeles, (joint bid), $184,383.05.
(F) Daley Corp., San Diego, $197,-239.10.
(G) J. E. Haddock, Pasadena, $199,-811.90.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$10.00	$22.00	$12.50	$20.00	$30.00	$20.00	$20.00
(2)	.24	.25	.28	.23	.28	.36	.27
(3)	.003	.003	.0035	.0025	.003	.003	.005
(4)	.20	.25	.20	.15	.20	.19	.40
(5)	.60	.75	.90	.95	.75	.80	1.00
(6)	.10	.12	.08	.07	.10	.11	.10
(7)	7.20	6.85	6.95	7.65	7.60	7.27	8.25
(8)	17.00	16.00	19.00	20.00	20.00	32.00	20.00
(9)	.04	.085	.0825	.09	.045	.085	.0425
(10)	15.00	15.00	12.50	15.50	19.50	13.00	15.00
(11)	1.00	1.00	7.00	.90	1.10	1.05	.90
(12)	1.20	1.25	1.20	1.25	1.35	1.25	1.20
(13)	1.60	1.60	1.60	1.65	1.85	1.70	1.60
(14)	2.50	2.30	2.35	2.50	2.72	2.50	2.50
(15)	3.00	3.00	2.90	3.10	3.45	3.20	3.20
(16)	4.50	4.50	4.35	4.50	4.97	4.75	4.75
(17)	8.00	7.00	7.60	8.20	8.35	9.80	8.00
(18)	19.50	17.30	17.75	18.00	18.90	18.40	18.00
(19)	17.50	15.50	16.00	16.00	16.85	16.50	16.20
(20)	.50	.50	1.00	1.25	.50	.75	1.00
(21)	8.50	8.30	8.65	8.25	9.25	9.00	9.00
(22)	.035	.045	.02	.04	.05	.04	.075
(23)	18.50	22.00	25.00	25.00	20.25	25.00	20.00
(24)	1.50	2.00	1.30	2.00	2.00	1.65	3.00
(25)	3.30	3.50	2.68	3.50	3.50	3.30	5.00
(26)	1.00	1.00	.85	1.00	1.25	1.40	1.00
(27)	1.50	1.00	1.50	1.15	2.00	1.65	1.50
(28)	1.50	1.00	2.00	1.30	2.00	2.00	1.50
(29)	5.00	5.00	3.00	3.50	5.00	9.00	5.00
(30)	3.00	3.00	2.00	2.00	2.50	3.00	3.00

COCONINO CO., ARIZ.—7.5 MI. GRADING—(GOVT.)

COCONINO COUNTY, Ariz.—Tiffany Const. Co., 535 N. 7th St., San Jose, Calif., at $76,892, as previously reported, submitted low bid and recommended for award of contract by the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, for grading and placing subgrade reinforcement in Section B of Route 3, the Flagstaff - Clints Well National Forest Highway, Coconino National Forest, Coconino County, Ariz., a length of .563 miles.

The work involves:

1) 42 acres clearing;
2) 20,500 c.y. unclass. excav.;
3) 46,000 c.y. do for borrow;
4) 600 c.y. do, for structures;
5) 3,100 sta. yds. overhaul;
6) 16,200 c.y. mi. borrow haul;
7) 21,000 c.y. subgrade reinf.;
8) 658 l.f. 18-in. CMP;
9) 332 l.f. 24-in. CMP;
10) 36 l.f. 30-in. CMP;
11) 68 l.f. 36-in. CMP;
12) 176 l.f. remove and stockpile existing CMP;
13) 210 c.y. cement rubble masonry;
14) 81 c.y. Class A concrete;
15) 52 c.y. Class D concrete;
16) 14,200 lbs. reinforcing steel;
17) 0.7 MBM untreated timber;
18) 23,000 l.f. Type I protection ditch
19) 4 each cattle guards;
20) 3,550 l.f. remove and reset fence
21) 4 each right of way monuments.

Total bids follow:

(A) Tiffany Const. Co., San Jose, $76,892.00.
(B) Hodgman & MacVicar, Pasadena, $83,985.80.
(C) H. J. Hagen, Globe, Ariz., $84,-255.50.
(D) Skousen Bros., Albuquerque, N. M., $90,728.00.
(E) R. E. Campbell, Los Angeles, $112,819.00.
(F) Pearson & Dickerson, Contractors, Inc., Prescott, $118,287.00.
(G) Engineer's estimate, $83,316.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$0.02	$0.0299	$0.035	$0.03	$0.05	$0.04
(2)	2.50	.75	1.50	1.00	5.00	1.00
(3)	.035	.02	.028	.035	.05	.04
(4)	.045	.06	.053	.0575	.05	.09

COMPLETE BID LISTING

SAN DIEGO COUNTY, Cal.—V. R. Dennis Construction Co., 3911 Fifth Ave., San Diego, at $43,862, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, November 1, for 1.9 miles grading and surfacing with bituminous macadam on crusher run base in San Diego County in the City of San Diego between the Military Reservation and Canon St., involving:

(1) 15 sta. clearing and grubbing right of way;
(2) 60 each removing and disposing of trees;
(3) 10 each moving and replanting trees;
(4) 21,000 c.y. rdwy. excav., unclass.;
(5) 15,000 c.y. imported borrow;
(6) 70,000 sta. yds. overhaul;
(7) 600 c.y. structure excavation;
(8) 2 c.y. removing and disposing of concrete;
(9) 11 c.y. Class A Portland cement concrete (curb and structures);
(10) 350 lbs. bar reinf. steel (struc.);
(11) 5 each spillway assemblies;
(12) 44 l.f. 8-in. CMP;
(13) 492 l.f. 18-in. CMP;
(14) 60 l.f. 24-in. CMP;
(15) 90 l.f. 36-in. CMP;
(16) 1,100 M. gals. water;
(17) 0.4 mile new property fence;
(18) 1 only fence gate complete in place;
(19) 0.2 mile removing and disposing of property fence;
(20) 5,100 tons crusher run base;
(21) 3,250 tons broken stone bituminous macadam;
(22) 175 tons Grade E asphalt;
(23) 126 tons fuel oil;
(24) 21,000 sq. yds. prepare, mix and shape shoulders;
(25) 105 sta. finishing roadway.

Total bids follow:

(A) V. R. Dennis Constr. Co., San Diego, $43,862.
(B) E. G. Carroll, San Diego, $47,405.
(C) Griffith Co., Los Angeles, $56,383.
(D) Walter Trepte, San Diego, $53,-647.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 20.00	$ 14.00	$ 25.00	$ 30.00
(2)	10.00	3.30	10.00	3.00
(3)	20.00	34.00	55.00	30.00
(4)	.18	.20	.34	.36
(5)	.18	.30	.45	.45
(6)	.005	.003	.01	.005
(7)	.50	.75	.65	2.00
(8)	2.00	3.00	6.00	5.00
(9)	20.00	16.50	25.00	25.00
(10)	.10	.06	10.00	.06
(11)	5.00	3.50	10.00	6.00
(12)	.50	.30	.50	.50
(13)	.50	.55	.50	.75
(14)	1.00	.70	.60	1.00
(15)	1.00	1.10	1.40	1.50
(16)	.75	.90	1.50	1.00
(17)	1000.00	440.00	800.00	400.00
(18)	25.00	16.00	16.00	40.00
(19)	500.00	110.00	250.00	50.00
(20)	3.20	3.37	3.50	3.00
(21)	3.20	3.45	3.60	3.90
(22)	20.00	25.70	26.00	20.00
(23)	10.00	3.95	10.00	10.00
(24)	.05	.04	.05	.06
(25)	10.00	5.50	6.00	6.00

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$250.00	$200.00	$300.00	$400.00	$550.00	$300.00	$250.00
(2)	.64	1.00	.70	1.00	1.00	1.00	.70
(3)	.25	.35	.44	.25	.40	.65	.35
(4)	1.50	2.00	1.50	2.00	2.50	3.50	1.75
(5)	.06	.05	.03	.10	.03	.03	.05
(6)	.25	.15	.15	.40	.30	.35	.25
(7)	1.00	.83	.80	.65	1.00	1.20	.95
(8)	2.50	2.50	2.00	2.50	2.50	2.50	2.50
(9)	3.50	3.50	3.00	3.50	3.50	4.00	3.50
(10)	4.50	4.50	4.00	5.00	6.00	5.00	4.25
(11)	7.00	6.50	6.00	6.00	8.00	7.50	5.75
(12)	.50	.80	1.00	1.50	2.00	1.00	1.00
(13)	18.00	18.00	18.00	20.00	18.00	30.00	18.00
(14)	25.00	32.00	30.00	30.00	40.00	36.00	30.00
(15)	25.00	33.00	30.00	32.00	50.00	38.00	30.00
(16)	.06	.08	.07	.10	.07	.10	.065
(17)	100.00	100.00	100.00	100.00	200.00	140.00	100.00
(18)	.06	.10	.10	.15	.20	.10	.10
(19)	600.00	600.00	600.00	750.00	750.00	750.00	550.00
(20)	.08	.06	.07	.10	.30	.10	.10
(21)	3.00	3.00	5.00	10.00	7.00	5.00	4.00

ARIZONA — GRADING AND SURFACING — (STATE)

BENSON, Ariz.—Borderland Const. Co., Tucson, Ariz., at $18,544.30 submitted low bid to the Arizona State Highway Commission, Phoenix, Oct. 18, for improving streets in Benson, NRM 18-E and NRM 79-D (AFE 501). The work, which is located in the town of Benson, consists of miscellaneous grading and draining, and the furnishing and placing of select material and road mix, road oil, and emulsified asphaltic seal coat.

The work involves:

(1) 5562 c.y. rdwy. excav., unclass.;
(2) 74 c.y. struc. do;
(3) 2200 c.y. mi. earthwork haul;
(4) 4432 c.y. select material (CIP except rolling);
(5) 4 c.y. Class A concrete (including cement);
(6) 187 lbs. reinf. steel bars, CI pipe;
(7) 43 lin. ft. 18-in. CM pipe (CI pipe including bands;
(8) 91 lin. ft. 24-in. do;
(9) 52 lin. ft. 30-in. do;
(10) 946 lin. ft. combined curb and gutter (Type A) (CI pipe);
(11) 901 lin. ft. do (Type F) CI pipe;
(12) 190 lin. ft. valley gutter, CI pipe;
(13) 966 lin. ft. single gutter (CI pipe) existing curb to remain in place;
(14) 3001 lin. ft. 6x12-in. conc. header (CI pipe);
(15) 1572 lin. ft. 2x6-in. header board (CI pipe);
(16) 833 sq. ft. 4-in. conc. sidewalk (CI pipe);
(17) 4 each catchbasins (CI pipe including excavation);
(18) 1 lump sum, special concrete do;
(19) 1 lump sum, resetting catchbasin to grade (CI pipe incl. excava.);
(20) 4 each, concrete sloped traps (CI pipe, including excavation);
(21) 1 lump sum, remove 3-4x4-ft. concrete slabs and reset one to grade;
(22) 225 lin. ft. of cable road guard (CI pipe);
(23) 60 M. gals sprinkling (CI pipe);
(24) 53 hours rolling;
(25) 1661 c.y. mineral aggregate (CI pipe);
(26) 29 904 gal. road oil (for oil mix) (CI pipe);
(27) 25 tons emulsified asphalt (for seal coat) (CI pipe);
(28) 108 c.y. screenings (CI pipe);
(29) 0.716 mile processing road mix.

ALTERNATE—In lieu of Item No. 22
(22a) 225 lin. ft. steel plate road guard (CI pipe).

The total bids were:

(A) Borderland Const. Co., Tucson, $18,544.30.
(B) Pleasant-Hasler Const. Co., Phoenix, $18,890.52.
(C) Wm. Peper Const. Co., Phoenix, $19,621.39.
(D) R. C. Tanner and W. E. Hall Co., Phoenix, $19,974.88.
(E) Pearson & Dickerson, Contractors Inc., Phoenix, $20,869.45.
(F) Phoenix-Tempe Stone Co., Phoenix, $20,996.80.
(G) Lee Moor Contr. Co., El Paso, Texas, $21,381.32.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .60	$ .50	$ .45	$3337.20	$ .61	$ .36	$ .55
(2)	1.75	1.00	1.60	129.50	1.46	1.25	1.00
(3)	.15	.25	.20	330.00	.29	.22	.30
(4)	.73	.60	.85	3235.36	.55	1.20	.90
(5)	50.00	24.00	25.00	200.00	43.69	30.00	20.00
(6)	.10	.10	.07	18.70	.10	.06	.12
(7)	2.50	2.00	2.50	107.50	1.82	1.65	2.00
(8)	3.50	3.00	3.50	318.50	3.00	2.65	3.00
(9)	4.00	4.00	4.50	208.00	3.74	3.65	3.80
(10)	1.00	1.14	1.25	946.00	1.05	1.20	1.20
(11)	1.00	1.14	1.10	901.00	1.05	1.20	1.20
(12)	1.00	1.05	1.00	190.00	.74	1.20	1.20
(13)	.80	.84	.75	772.80	.73	.85	1.00
(14)	.40	.50	.45	1200.40	.74	.55	.50
(15)	.15	.10	.10	235.80	.13	.08	.075
(16)	.30	.28	.30	249.90	.27	.18	.30
(17)	75.00	35.00	25.00	300.00	43.68	25.00	40.00
(18)	50.00	35.00	30.00	50.00	43.68	30.00	50.00
(19)	25.00	10.00	25.00	25.00	43.68	30.00	32.00
(20)	25.00	30.00	25.00	100.00	43.68	25.00	40.00
(21)	20.00	25.00	25.00	10.00	26.21	15.00	90.00
(22)	1.00	1.00	.90	1.10	1.46	.85	1.10
(22a)	1.00	1.00	.90	1.25	1.46	.....	1.10
(23)	2.00	1.50	3.50	2.50	2.91	2.50	3.00
(24)	2.50	4.00	3.00	3.50	7.28	3.00	6.00
(25)	.90	1.40	1.25	1.30	.83	1.50	.90
(26)	.06	.065	.075	.06	.0786	.065	.07
(27)	30.00	30.00	30.00	30.00	39.73	32.00	30.00
(28)	4.00	5.00	6.00	5.00	7.28	7.00	6.00
(29)	1000.00	1000.00	1000.00	750.00	1747.00	700.00	2,000.00

Colorado Aqueduct Bids

(Continued from Page 9)

job; neither will 19 and 19A be accepted without 18 and 18A.

Griffith Co., 1060 South Broadway, Los Angeles: First: We will accept any combination of schedules at prices bid providing total award does not exceed $2,000,000. Second: If the District awards us the two Schedules 21 and 22 together deduct the following amount from the final payment due on each schedule: Schedule 21, deduct $22,000; Schedule 22, deduct $13,000. Total deduction for two schedules, $35,000. If the District awards us Schedules 21, 22, 23 and 23A deduct the following amount from the final payment due on each schedule: Schedule 21, deduct $22,000; Schedule 22, deduct $13,000; Schedule 23, deduct $105,000; Schedule 23A, deduct $10,000. Total deductions for four schedules $150,000.

S. S. Magoffin Co., Adrian, Oregon: If awarded Schedules 18 and 18A, please disregard Schedules 19 and 19A. If awarded Schedules 19 and 19A, disregard 18 and 18A.

West Const. Co., Whitewater, Cal.: We will accept both schedules bid on. We will accept Schedule 18 or 19 alone at bid price. In consideration of being awarded Schedules 18 and 19 together deduct $25,000 from retained precentage.

Fredrickson & Watson Const. Co., and Fredrickson Bros., 873 81st Ave., Oakland: Our proposal is based on the following condition: First: We have bid Schedule 21 and 22 as a combined unit and our bid prices are not applicable to either schedule singly. Second: We request we be awarded either Schedule 18 including 18A or the combination of Schedules 21 and 22. Third: We request that we be awarded Schedule 18 in preference to the combination of Schedules 21 and 22.

J. F. Shea Co., Inc., Mecca, Calif.: First: We will not accept Schedule 19A unless awarded either Schedule 19 or 18. We will not accept less than a total of $800,000 worth of work. If awarded Schedules 18, 18A and 19 together (with or without Schedule 19A) deduct $.20 per c.y. of concrete from Item 12 in Schedule 18 and 19. If awarded Schedules 18, 18A, 23 and 23A together (with or without Schedule 19A) deduct $0.20 per c.y. of concrete from Item 12 in Schedule 18, and $0.30 per. c.y. of concrete from Item 12 in Schedule 23. If awarded Schedules 19, 23 and 23A together (with or without Schedule 19A) deduct $0.20 per c.y. of concrete from Item 12 in Schedule 19 and deduct $0.30 per c.y. of concrete from Item 12 in Schedule 23. If awarded Schedules 18, 18A, 19, 23 and 23A together (with or without 19A) deduct $0.20 per c.y. of concrete from Item 12 in Schedule 18 and 19, and $0.30 per c.y. of concrete from Item 12 in Schedule 23. If awarded all schedules bid, deduct 3% from our unit prices. If awarded Schedules 20, 21, and 22, deduct 3% from our unit prices. If awarded Schedules 20, 21, 22, 23 and 23A deduct 3% from our unit prices.

Babock & Wilcox, 444 17th Street, Denver, Colo.: The California Retail Sales tax of 1933 is not included in the prices.

H. M. Baruch Corp., 625 S. Olive St., Los Angeles: In connection with the attached bid, if we are awarded Schedules 21 and 22 our prices will be for combination of the two schedules as follows: $499,730.

Complete tabulation of the unit bids is on file at the office of PACIFIC CONSTRUCTOR.

MODOC COUNTY — 7.49 MI. GRADING — (GOVT.)

MODOC COUNTY, Cal.—R. R. Carlson, P. O. Box 407, Vallejo, at $68,-113.70 submitted low bid to the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Sec. A of Federal Lands Highway Project No. 6, the Lava Beds Highway, Modoc County, and Section C of Route 11, the Lava Beds National Forest Highway in Modoc County.

The work involves:

(1) 17,700 c.y. unclass. excav.;
(2) 132,000 c.y. do for borrow;
(3) 90 c.y. do for structures;
(4) 24,200 sta. yds. overhaul;
(5) 143,400 c.y. mi. borrow haul;
(6) 7.496 miles finishing earth graded road;
(7) 38 l.f. placing Govt. furnished 18-in. CMP;
(8) 76 l.f. 24-in. asph. dipped CMP;
(9) 3 each culvert markers;
(10) 31 c.y. Class A concrete;
(11) 4 c.y. Class B concrete;
(12) 2,635 lbs. reinf. steel;
(13) 14 each right of way monuments;
(14) lump sum, constructing railroad crossings;
(15) lump sum, move railroad spur track.

Total bids follow:

(A) R. R. Carlson, Vallejo $68,113.70
(B) D. McDonald & Poulos & McEwen, Sacramento 69,502.15
(C) Harms Bros., Sacramento 76,898.60
(D) A. Teichert & Son, Inc., Sacramento 78,361.90
(E) Dodge Const., Inc. Fallon Nevada 81,714.70
(F) Hanrahan - Wilcox Corp. San Francisco 85,210.60
(G) Dunn & Baker, Klamath Falls, Ore. 85,583.00
(H) F. C. Dillard, Medford, Oregon 86,154.65
(I) Hemstreet & Bell, Marysville 96,623.75
(J) Engineer's estimate 82,945.25

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .70	$ .75	$ .75	$ .60	$ .85	$ 1.00	$ .75	$ .90	$ .70	$ .70
(2)	.19	.23	.30	.30	.25	.34	.35	.30	.40	.32
(3)	1.50	.75	1.00	1.50	2.00	1.00	1.00	1.20	1.50	1.25
(4)	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02
(5)	.18	.15	.13	.16	.20	.12	.14	.18	.18	.16
(6)	200.00	200.00	200.00	300.00	200.00	300.00	400.00	200.00	300.00	300.00
(7)	1.50	1.00	.50	.50	2.00	.50	.75	.50	1.50	1.00
(8)	3 50	3.00	3.00	3.00	5.00	3.50	4.00	3.00	3.00	2.50
(9)	5.00	2.00	3.00	3.00	5.00	4.00	2.50	3.00	3.50	2.50
(10)	30.00	30.00	30.00	25.00	30.00	30.00	25.00	35.00	35.00	30.00
(11)	28.00	30.00	30.00	23.00	30.00	30.00	23.00	35.00	35.00	30.00
(12)	.10	.07	.08	.06	.10	.08	.08	.07	.07	.07
(13)	5.00	3.00	3.00	3.50	3.00	3.00	3.00	4.00	3.50	4.00
(14)	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
(15)	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00

All bids held under advisement.

SACRAMENTO CO. — BRIDGE REPAIRS — (STATE)

SACRAMENTO, Cal.—Christian A. Lauritzen, 300 E St., Antioch, at $11-769.70 submitted low bid to the State Highway Commission at Sacramento, for the construction of repairs to two bridges near Walnut Grove, 1 across Georgiana slough and the other across North Fork of the Mokelumne river, Sacramento County.

The work involves:

(1) 1 lot existing fence construction to be removed and disposed of;
(2) 7,500 l.f. furnish creosoted Douglas fir piles;
(3) 150 each driving do;
(4) 14 MFBM creosoted Douglas fir timber;
(5) 18 MFBM untreated do;
(6) 16.5 MFBM redwod timber dense select all-heart struc. grade;
(7) 7,200 lbs. hardware;
(8) 1 lot fender lighting work;
(9) 1 lot misc. items of work.

Total bids follow:

(A) C. A. Lauritzen, Antioch, $11,-769.70.
(B) Healy-Tibbitts Const. Co., San Francisco, $11,963.00.
(C) Bundesen & Lauritzen, Pittsburg, $12,024.00.
(D) Ben C. Gerwick, San Francisco, $12,417.00.
(E) M. A. Jenkins, Sacramento, $12,-439.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$850.00	$1000.00	$500.00	$1500.00	$1000.00
(2)	.59	.50	.60	.70	.58
(3)	8.00	14.00	9.50	9.00	10.00
(4)	96.30	108.00	110.00	70.00	110.00
(5)	87.00	90.00	68.00	50.00	60.00
(6)	89.00	70.00	74.00	60.00	70.00
(7)	.085	.08	.12	.05	.10
(8)	100.00	50.00	150.00	100.00	250.00
(9)	200.00	200.00	500.00	1137.00	844.00

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$42,000,000 Construction Bonds Voted

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

EMBER 10, 1934

Vol. XVII—No. 45

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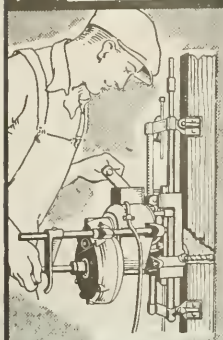

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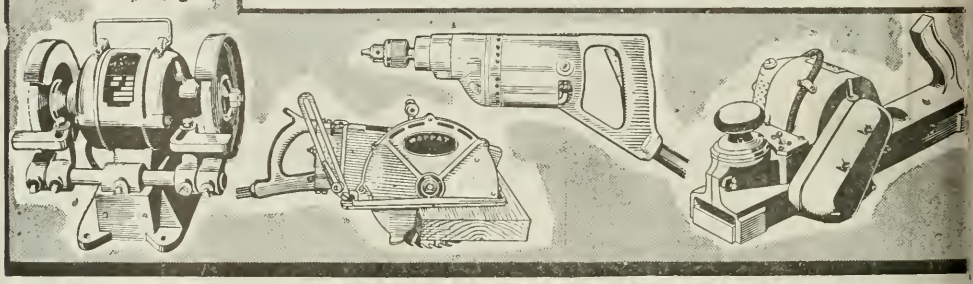

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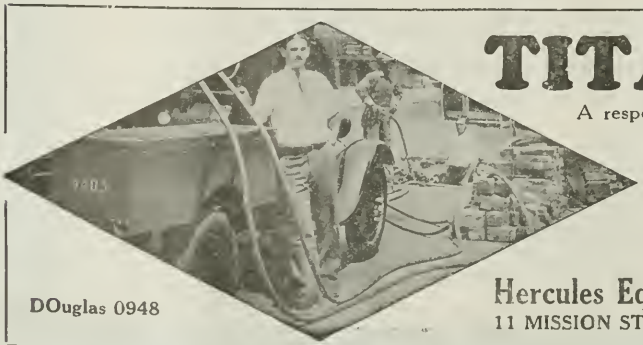

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/ol. XVII SAN FRANCISCO, CALIF., NOVEMBER 10, 1934 No. 45

Western Banks Ready To Cooperate In Federal Plan for 5% Building Money

Immediate cooperation of western financial institutions to make ffective provisions of Title II of the National Housing Act is anticiated, Clifford C. Anglim, Northern California director for the Federal iousing Administration, declared following announcement from Washngton Friday that the President had approved FHA regulations for his phase of the housing drive. Mr. Anglim's office is ready to receive pplications of banks and other loaning agencies to qualify for insur-

nce of loans made under the terms f the act. Copies of the regulaions and forms for the applicants ave not been received as yet, howver.

Mr. Anglim said he expected eady participation from all agenies who can qualify to loan. The ans are to be insured by the govrnment against loss and are to be asily convertible into cash thru iscount facilities provided by the overnment.

Loans for new construction will e made to 80 percent of the apraised value of the property. They re to be amortized by monthly ayments over a period not exceedig twenty years. Interest at five ercent will be charged on the derred balance. In addition there ill be a carrying charge of one ercent of the face of the loan to e paid into a mutual insurance und to protect the government gainst loss. Surplus from this und, however, will be returned mortgagees to be applicable to etirement of the loan. It is exected that the loss experience will e low enough to result in a subantial return on long-term loans.

Operation of this section of the ational Housing Act is expected stimulate home building to a deree that will effect complete reovery for the building industry nd many of its allied businesses uring 1935. The success of the odernization and repair program unched by the Federal Housing dministration has indicated the otentialities of the field.

Henry I. Harriman, president of e Chamber of Commerce of the nited States, has estimated that e housing act will result in exenditure of $15,000,000,000 for ome-building within the next deade.

Bids November 23 On Chlorinating Plant and Tunnel

The San Francisco Public Utilities Commission yesterday called for bids, to be opened November 23, on contracts for construction of a chlorinating plant and a tunnel.

One contract calls for construction of the Irvington Portal Chlorinating Plant, including a chlorinator house, a pump house, three redwood tanks, and roadways. The project is located near the Irvington Portal of the Coast Range Tunnel, about one and one-half miles north of Mission San Jose in Alameda county. The work involves, among others, major items of approximately 1000 cubic yards roadway excavation, 250 cubic yards structural excavation, 250 cu. yds. crushed gravel or broken stone roadway surfacing, construction of the chlorinator house and pump house, installing pumps and furnishing and installing pipe and fittings, installing 1200 feet of pipe furnished by the city, electrical work, furnishing and erecting three redwood tanks, construction of 320 feet of redwood trough and installing chlorine solution hose and furnishing and installing 100 feet of corrugated iron culverts.

Under the second contract advertised by the commission Tunnel No. 1-B of the Lower Cherry Aqueduct will be constructed. The tunnel will be 2910 feet in length and will replace an existing wood flume of the Lower Cherry Aqueduct in Tuolumne county. The work involves major items of approximately 6900 cubic yards tunnel excavation, 5,000 feet of permanent timbering in the tunnel, 200 cubic yards concrete lining in the tunnel 5,000 pounds reinforcing steel, placing 5,000 pounds metal work furnished by the city, and others.

VOTE MILLIONS IN BONDS FOR CONSTRUCTION

Veterans Bonds, Sacramento Utility District, San Mateo Sewer Proposals Approved

More than $42,000,000 in bonds for building activity in northern California was approved at Tuesday's general election. Among the bond proposals which carried were the $30,000,000 Veterans' bond issue, the $12,000,000 Sacramento Municipal Utility District issue, and the $85,000 San Mateo sewer bonds.

The campaign in behalf of the veterans' bond issue was conducted by the Central California Chapter, Associated General Contractors, the State Association of California Architects, the Producers' Council and other groups. Wm. E. Hague, secretary-manager of the Central California A.G.C., who led the campaign in the building industry in favor of the bond issue, yesterday expressed his appreciation of the assistance given by local contractors' organizations and builders' exchanges in northern California. Thousands of circulars and advertising stickers urging approval of the bonds were distributed through these agencies at the request of Mr. Hague.

Sale of the veterans' bonds will release a large amount of money immediately for construction work, as it is reported that there are more than 12,000 applications for loans on file at the present time.

A $10,000,000 electrical generating and distributing system is to be built in Sacramento with the proceeds of the bond sale there.

Approval of the San Mateo bond issue assures construction of the outfall sewer and connection with the Burlingame-Hillsborough system, for which bonds were approved some time ago

Among bond proposals which failed to carry Tuesday were the Berkeley school bonds and the San Mateo county office building issue.

California Highway Commission Completes Allocation of $7,900,000 Federal Fund

SACRAMENTO, Nov. 7.—Allocation of funds from the Federal emergency highway allotment to California for 1934-35 has been completed by the State Highway Commission and final approval from the U. S. Bureau of Public Roads is expected shortly. The state received $7,932,206 in federal funds for highway construction in the special appropriation authorized at the last session of Congress. This allocation is supplemented by the balance for new construction remaining in the gasoline tax fund for the current biennium.

Following is the list of projects to be undertaken as announced by State Director of Public Works Earl Lee Kelly and amount of Federal fund allocation to each county:

ALAMEDA $315,000

(1) Grade separation at Thirty-eighth street and San Pablo avenue, Oakland.

(2) Grade and pave Thirty-eighth street and Moss avenue between Market and Webster strees, Oakland, a distance of 0.7 mile.

(3) Grade and pave Oakland-San Jose Highway in Hayward between B street and south city limits.

ALPINE $33,000

(1) Improvement 2.6 miles on Route 24, north of Markleeville.

AMADOR $55,000

(1) Grade and surface 1.5 miles between Martell and Jackson.

DEL NORTE $61,000

(1) Surfacing 4.2 miles of Crescent City-Grants Pass road between Oregon Mountain summit and state line.

FRESNO $132,000

(1) Grading and paving 1.0 mile between Fowler Switch canal and Selma.

(2) Bridge and approaches across Kings river near Centreville.

HUMBOLDT $13,000

(1) Curve and shoulder improvement on 5.8 miles between Fernbridge and Ferndale.

IMPERIAL $79,000

(1) Shoulder oiling 27.5 miles, El Centro-Yuma lateral.

(2) Two bridges, one across Alamo Creek east of Brawley, the other 0.7 mile north of Calexico.

GLENN $95,000

(1) Reconstruction shoulders on 15.0 miles between Willows and Orland.

(2) Grade and surface subway line change at Red Bluff.

INYO $33,000

(1) Grade and surface 2.0 mi. near Tinemaha.

(2) Grade and surface 0.5 mile near north boundary of Inyo county.

KERN $180,000

(1) Grade separation south of Delano.

(2) Grade and surface 3.0 miles on Taft-Greenfield lateral.

LAKE $95,000

(1) Grade and surface 2.5 miles of the Ukiah-Tahoe lateral between Rasmussen ranch and Manila ranch.

LASSEN $128,000

(1) Grade and surface 9.0 miles of the Susanville-Reno road from state line to junction of Quincy Beckwith lateral.

(2) Resurface state highway through Susanville.

LOS ANGELES $1,620,000

(1) Grade and pave State street in Long Beach.

(2) Improve State street between Stanley avenue and Loma avenue in Long Beach and Signal Hill.

(3) Grade and pave 2.0 miles on O and N streets.

(4) Grade and pave 3.4 miles and widen one bridge and construct another between Las Flores canyon and Winter canyon north of Santa Monica.

(5) Construct tunnel under Colorado and Ocean avenues.

(6) Grade and pave between California street incline and Colorado St.

(7) Grade and pave 4.4 miles between Newhall tunnel and Saugus.

(8) Construct overhead crossing on Marengo street.

(9) Replace culvert on San Fernando road near Cascades.

(10) Improve 3.2 miles Sunset boulevard between Figueroa and Hillhurst avenue.

(1) Five bridges across flood control channels on Foothill boulevard.

(12) Grade and pave 1.6 miles on Garvey avenue.

(13) Grade and surface 5.2 miles between Monterey Park and Mt. View.

(14) Grade and pave 4.0 miles Cerritos avenue in Long Beach.

(15) Grade and pave Marengo street in Los Angeles.

MADERA $325,000

(1) Grade and pave 1.3 miles Valley road through Madera.

(8) Grading and surfacing 7.9 miles between Oakhurst and Coarsegold on Fresno-Yosemite road.

MENDOCINO $123,000

(1) Bridge across Red Mountain creek.

(2) Bridge across McCoy creek.

(3) Improve Redwood Highway in Willitts and Uklah.

MERCED $47,000

(1) Widen and resurface 1.4 miles Los Angeles-Sacramento arterial thru Merced.

MODOC $75,000

(1) Grade and surface 4.0 miles, Tulelake road.

MONO $45,000

(1) Improve 3.1 miles Owens Valley-Tahoe road south of Bridgeport.

MONTEREY $293,000

(1) Five bridges across Lime Kiln Creek, Vincente Creek, Big Creek, Bivens Creek and Malpass Creek.

NEVADA $5,000

(1) Resurface portion of Grass Valley-Auburn road in Auburn.

ORANGE $119,000

(1) Pave 5.2 miles Manchester ave. between Buena Park and Anaheim.

(2) Grade and pave Glassell avenue from Sixteenth street in Santa Ana to Fairhaven avenue between Orange and Santa Ana.

PLUMAS $376,000

(1) Improve 2.5 miles, Feather River highway between Storrie and Rock Creek and construct bridges at Storrie, Tobin and Rock Creek.

RIVERSIDE $233,000

(1) Elimination of dips in San Bernardino - El Centro highway between Beaumont and Cabazon.

(2) Widening of roadbed and pavement between Banning and Whitewater, involving construction of 16.5 miles.

(3) New bridge across San Jacinto river south of Elsinore on San Diego highway.

SACRAMENTO $30,000

(1) Grade and surface 3.0 miles Roger Island road.

SAN BENITO $70,000

(1) Grade and surface 3.5 miles Hollister-San Juan Bautista lateral

SAN BERNARDINO $365,000

(1) Improve 1.4 miles Route No. 2 in Colton.

(2) Improve 1.6 miles Route No. 2 in Ontario.

(3) Grade and pave 3.5 miles, Route No. 26 from Riverside avenue to Colton.

(4) Grade separation with Santa Fe south of Colton.

SAN DIEGO $210,000

(1) Improve Main street in El Cajon, a distance of 0.7 miles between Chambers street and city limits.

(2) Improve 1.0 mile Coast highway in Oceanside.

(3) Grade and surface 1.5 miles a the "narrows" at Julian.

(4) Widen and straightening 3.0 mi of Potrero grade.

(5) Grade and surface 8.5 miles o Lake Hodges road.

SAN JOAQUIN $134,000

(1) Grade and pave 3.6 miles McKinley avenue extension of Stockton Bay Cities highway between French Camp and Stockton.

(2) Grade separation at Fresno Ave and Santa Fe railroad south of Stockton.

SAN MATEO $735,000

(1) Grade and pave 1.2 miles Mission street in Daly City.

(2) Grade and pave between Third avenue and Crystal Springs road in San Mateo and construct bridge over San Mateo creek.

(3) Underpass at South San Francisco.

(4) Grade and surface 2.7 miles, San Mateo-Half Moon Bay road.

(5) Grade and pave 1.6 miles Ocean Shore highway between Skyline road and junctions of Alemany and Junipero Serra road.

SANTA CLARA $328,000

(1) Grade separation with S. P. at Agnew.

(2) Extend Fourth street in Santa Clara 1.2 miles from north city limits of San Jose to Bayshore Highway.

SHASTA $176,000

(1) Completion of Sacramento River bridge.

(2) Realignment and improvemen at Redding.

(3) Overhead crossing on Redding Weaverville road.

SIERRA $155,000

(1) Bridge and approaches over the Yuba river at Downieville on the Nevada City-Sattley highway.

(2) Grading and surfacing 9.0 miles Susanville-Reno highway between the state line and junction with Route No. 21.

ISKIYOU $150,000
(1) Grading 10 miles on the Weed-
lamath highway easterly from Pine-
nd.

OLANO $25,000
(1) Improve 0.7 mile on Texas street
Fairfield.

ONOMA $75,000
(1) Grade 1.0 mile on Mendocino
venue in Santa Rosa.

TANISLAUS $100,000
(1) Maze road bridge over San Joa-
in river.

UTTER $32,000
(1) Widening and constructing
oulders and improving drainage in
uba City along Colusa avenue, a dis-
nce of 0.5 mile.
(2) Surface 2.5 miles Yuba City-
nights Landing highway south of
obbins.

EHAMA $20,000
(1) Grading and surfacing subway
ne change at Red Bluff.

ULARE $73,000
(1) Grading and paving 1.0 mile, J
d K streets in city of Tulare.
(2) Resurfacing and widening 6.0
iles, Tulare-Corcoran highway be-
veen Tulare and Lindsay.

ENTURA $35,000
(1) Demolish existing bridge, re-
ace with culvert, construct fill and
rface roadway in Harmon Canyon.

OLO $45,000
(1) Grade and pave 0.5 mile, East
reet in Woodland.
(2) Grade and surface 2.0 miles of
e Liberty road north from Cache
ough.

UBA $55,000
(1) Widen seven narrow bridges be-
veen Morrisons Crossing and Marys-
lle.
(2) Grade and surface 1.0 mile in
arysville.

State Asks Bids On Sutter County Highway Project

SACRAMENTO, Nov. 5. — The tate Highway Commission today illed for bids, to be opened Nov. 3, for surfacing about two and ree-tenths miles in Sutter Co. Specifically, the contract calls for rfacing with crushed run base e highway between Robbins and ree miles north of Knight's Land-g.

Among the principal work items nd estimated quantities involved re 125 stations grader work, 10,-00 tons crusher run base, 315,000 allons water, 62 tons fuel oil, 200 ons crushed gravel or stone for rfacing, 10 tons cutback asphalt, nd 500 cubic yards imported bor-ow.

New orders for steel business rniture placed during the first ine months of 1934 totaled $8,-76,119, as compared with $5,410,-62 during the corresponding pe-iod last year, according to data eported to the Bureau of the Cen-us by 32 identical manufacturers.

BIDS DEC. 12 ON NEW ALAMEDA CO. COURTHOUSE

Advertise $1,800,000 County Building; Eight Alternate Proposals Asked

The Alameda County board of supervisors yesterday called for bids for December 12 on the $1,800,000 Alameda County Courthouse and Hall of Records. The work is being financed by proceeds from a $1,712,000 bond issue and a PWA grant of $462,000 to the project.

The building is to be of steel frame with reinforced concrete walls. It will have twelve floor levels above the ground floor. The first and second floors are to be 176 by 245 feet, and the floors from the third up are to be 116 feet square.

Bids are being taken on a total of eight alternate proposals, as follows: (1) lump sum bid, covering the entire project; (2) lump sum bid covering entire project except furnishing and installing jail equipment; (3) lump sum bid similar to (2) but excluding (a) excavation and foundation work, (b) structural steel and erection, (c) elevators, (d) mechanical work. The other proposals cover separately each of the items excluded in the lump sum bids.

The building was designed by a board of architects composed of Will G. Corlett, Henry A. Minton, James W. Plachek, Wm. E. Schirmer and Carl Werner. G. M. Simonson is consulting engineer for the electrical and mechanical work.

The building has been planned to have the simplicity and efficiency of a practical office building in economy of space and circulation as well as architectural treatment, dependent upon pleasing mass, form and dignity without the use of expensive materials and elaboration of ornament, decoration or detail.

Those departments where large numbers of citizens conduct business will be located on the lower floors; court rooms and their adjuncts are to be located on the upper floors. Entrance will be from Fallon, Twelfth and Thirteenth Sts.

GRANT CERTIFICATES TO CIVIL ENGINEERS

Certificates of registration as civil engineers permitted to practice in California have been issued since publication of the 1934 state directory to the following: John F. Skinner, Box 935, Covina; L. F. Harza, 205 W. Wacker Dr., Chicago; Harrison P. Eddy, 1300 Statler Bldg., Boston; John W. Cunningham, 414 Spalding Bldg., Portland; Edmund Wilkes, Jr., 509 Interstate Bldg., Kansas City.

BUILDERS' CODE CHAPTER SENT TO PRESIDENT

Early Approval Expected As NRA Accepts Final Draft

Chapter 2-a of the Construction Industry code, long-delayed by repeated revision, has been finally approved by the NRA and needs only the signature of President Roosevelt to become effective, according to word received in San Francisco yesterday by Wm. E. Hague, secretary-manager of the Central California chapter, A.G.C. Mr. Hague's organization now is completing plans for administration of the code in California as soon as notice of approval is given.

Three building contractors, members of the State Administrative Agency for the General Contractors Code, will meet in San Francisco shortly to discuss the document. They are H. M. Walker of Los Angeles, Geo. Maurer of Oakland, and B. O. Larsen of San Diego.

A letter from Daniel T. Webster, chairman of the National Code Authority for Building Contractors, informed Mr. Hague of the acceptance of the code by NRA. It is problematical as to when the Presidents signature will be affixed, however, Mr. Webster stated. G. F. Ashley, architect formerly of San Francisco, has been assigned to take charge of the general contractors code in NRA, according to Mr. Webster.

All contractors doing building work involving erection of structures in their entirety or alterations involving more than $1,000 are subject to the code.

Hour and wage conditions are those of the general construction code, with provision made for area agreements to establish local wage rates and working conditions.

An administrative committee of fourteen members, eight of whom are members of the A.G.C., six who are non-members, will administer the code. This committee will select regional or local administrative committees to whom are delegated authority over local affairs.

Bid practices are regulated in detail in Article V, which sets forth the relationship of the general contractor to the awarding authority and to the sub-contractors. Provision is made for establishing local bid depositories and for checking bids.

Article VI provides for determining the fair price for contracts, listing items to be figured in the general contract bid.

Registration of all building contractors is to be undertaken by the administrative committee within 60 days after the effective date.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
555	Chin	Owner	3000
556	Lang	Elkington	1600
557	Edwards	Otis	2950
558	Bothin	Mattock	3000
559	Mueller	Meinberger	4950
560	Urioste	McSheehy	4886
561	McAffee	Owner	2500
562	Nutman	Michael	5000
563	Signal	Owner	2500
564	Van Ness	McSheehy	1200
565	Cassaretto	Owner	4000
566	Huff	Owner	1300
567	Edy	Unit	2000
568	Bullock	Disston	1400
569	Knight	Ruegg	2550

ALTERATIONS
(555) 867 WASHINGTON ST.; alter flats and store.
Owner—Chin Bing Foo, care W. D. Brown, 5432 Geary Blvd.
Architect—Not Given. $3000

ALTERATIONS
(556) 1435 17th AVE.; alter dwelling.
Owner—M. Lang, 1435 17th Avenue.
Architect—Not Given.
Contractor—G. J. Elkington, 1291 33rd Avenue. $1600

ALTERATIONS
(557) 2550 WEBSTER Street; alter dwelling, install elevators.
Owner — Mrs. F. C. Edwards, 2550 Webster Street.
Architect—Not Given.
Contractor—Otis Elevator Company, 1 Beach Street. $2950

ALTERATIONS
(558) 1166-1174 HOWARD ST.; alter warehouse.
Owner—Bothin Realty Co., 604 Mission Street.
Engineer—Norman Green, Sharon Building.
Contractor—A. F. Mattock, 212 Clara Street. $3000

DWELLING
(559) E PIERCE 77 S Clay; 1½-story and basement frame dwelling.
Owner—J. H. Mueller, % 343 4th St.
Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th Street. $4950

REPAIRS
(560) 512 VAN NESS AVE.; repair fire damage to hotel apts.
Owner—A. De Urioste, 512 Van Ness.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace. $4886.29

DWELLING
(561) SE PARIS 150 SW France; 1-story and basement frame dwelling.
Owner—R. A. McAfee, 125 Cervantes Boulevard.
Architect—Not Given. $2500

DWELLING
(562) N NINETEENTH ST. 108 W Eureka St. Two-story and basement frame dwelling.
Owner—George G. Nuttman, 4175 20th St., San Francisco.
Architect—Not Given.
Contractor—Michael & Bomerer, 762 De Haro St., S. F. $5000

ALTERATIONS
(563) NO. 2001 THIRD ST. Alter warehouse.
Owner—Signal Oil & Gas Co., Prem.
Architect—Not Given. $2500

ALTERATIONS
(564) NO. 100-116 VAN NESS AVE. Alter auto shop and showrooms.
Owner—Van Ness Avenue Land Co., % 176 Sutter St., San Francisco.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace, S. F. $1200

BUNKERS
(565) E SIXTH ST. 170 S Berry St. One-story frame bunkers building.
Owner—John Cassaretto, 6th and Channel Sts., San Francisco.
Architect—Not Given. $4000

ALTERATIONS
(566) NO. 2710 WEBSTER STREET. Alter dwelling into apartments.
Owner—C. P. Huff, 2614 Webster St., San Francisco.
Architect — Hertzka & Knowles, 982 Bryant St., San Francisco. $1300

ALTERATIONS
(567) NO. 2060 CHESTNUT STREET Alter store.
Owner — J. O. Edy, 105 Powell St., San Francisco.
Architect—Francis E. Lloyd, 369 Pine St., San Francisco.
Contractor—The Unit-Bilt Fixture Co. 963 Harrison St., S. F. $2000

ALTERATIONS
(568) NO. 2850 ARMY ST. Alter and move building.
Owner—Joseph Bullock, Redwood City
Architect—Not Given.
Contractor — A. D. Disston, 666 Mission St., San Francsico. $1400

ALTERATIONS
(569) NO. 623 O'FARRELL ST. Alter hotel.
Owner—Samuel Knight, Sansome and California Sts., San Francisco.
Architect—Not Given.
Contractor—The Ruegg Co., 369 Pine St., San Francisco. $2500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
437	Pleitner	Owner	1250
438	Whitten	Pfeffer	1800
440	McGregor	Owner	3100
441	Dwiggins	Pearson	1000

ALTERATIONS
(437) 3479 39th AVE., **OAKLAND**; alterations and addition.
Owner and Builder—H. A. Pleitner, 4021 E. 14th St., Oakland.
Architect—Not Given. $1250

SERVICE STATION
(438) 1321 GILMAN St., **BERKELEY**; One-story 2-room Class C super service station.
Owner—P. E. Whitten, 2300 Roosevelt Way, Berkeley.
Architect—Not Given.
Contractor—Pfeffer Co., 6221 Brownley St., Oakland. $1800

DWELLING
(440) NO. 1341 CURTIS ST., **BERKELEY**. One-story 5-room frame dwelling and garage.
Owner—C. M. McGregor, 1391 Solano St., Berkeley.
Architect—Owner. $3100

ADDITION
(441) NO. 2715 LE CONTE STREET, **BERKELEY**. Addition.
Owner—Mrs. C. A. Dwiggins, Prem.
Architect—Not Given.
Contractor—Pat Pearson, 508 Riverside St., Richmond. $1000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
100	Mueller	Meinberger	7150
101	Eastern	Bettancourt	2400
102	Sumner	Cuthbertson	10629

DWELLING
(100) E PIERCE 77-4½ S Clay S 25 x E 93-9 WA 391.; 1½-story and basement frame dwelling.
Owner—John H. Mueller, % contractor.
Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th Street.
Filed, Nov. 2, .34. Dated, Nov. 1, '34.
When rough frame is up.....$1787.50
First coat of plaster on..... 1787.50
Upon completion 1787.50
Usual 35 days 1787.50
TOTAL COST, $7150.00
Limit, 95 working days from Nov. 6. Plans and specifications filed.

ALTERATIONS
(101) NW GREEN AND VAN NESS Ave.; No. 1520 Green St. All work for addition and alterations to church.
Owner—Eastern Orthodox Church Society, 1520 Green St., San Francisco.
Architect — Harry W. Abrahams, 461 Market St., San Francisco.
Contractor—Joseph Bettancourt, 422 San Anselmo St., San Francsico.
Filed Nov. 5, '34. Dated ——.
Frame up $800
Building completed 800
Usual 35 days..... 800
TOTAL COST, $2400
Bond, $2436. Surety, California Contract Bond. Limit, 25 working days (rain excepted). Forfeit, none. Plans and specifications filed.

DWELLING
(102) EDGEHILL WAY, Claremount Court. All work for dwelling.
Owner—Maurice H. Sumner, 466 41st St., Oakland.
Architect—Blaine & Olson, Bank of America Bldg., Oakland.
Contractor — Thomas A. Cuthbertson, 430 Noriega St., San Francisco.
Filed Nov. 7, '34. Dated Nov. 3, '34.
On 3rd of each month..... 80%
35 days ..... Final
TOTAL COST, $10,629
Bond, none. Limit, on or before Mar. 20, 1935. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $500; 859 Vermont St., Oakland; owner, F. Domascheditz, Premises.
SHED, one-story, $15; 5914 Fremont St., Oakland; owner, Joe Romagnolo, Premises.
ALTERATIONS, $30; 3401 Hopkins St. Oakland; owner, J. W. Bingaman, Tribune Tower.
ROOF repairs, $100; NE Tenth and Franklin Sts., Oakland; owner, Central Bank of Oakland, Prem.; contractor, New Art Roofing Co., 1131 Fruitvale Ave.
ALTERATIONS, $40; 317 6th Street, Oakland; owner, J. Fong, 317 6th Street.
ALTERATIONS & repairs, $240; 5708 Merriewood Drive, Oakland; owner, Howard L. Johnson, Prem.
ADDITION, $150; 6021 Valley View Drive, Oakland; owner, R. M. Conklin, 6021 Valley View Dr.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
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6.—Garages and Service Stations
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8.—Club Buildings
9.—Hospitals
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13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies & Contracts

1— APARTMENTS

Plans Completed

ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 2710 Webster Street.
Alter residence for apartments.
Owner—C. P. Huff, 2614 Webster St., San Francisco.
Architect — Hertzka & Knowles, 928 Bryant St., San Francisco.

2— BONDS

BIDS WANTED

LOS ANGELES, Cal.—Until Dec. 7, 2:30 P. M., bids will be received by the Board of Directors of the Metropolitan Water District, 306 W. Third St., Los Angeles, for the purchase of all or none of $12,096,000 Colorado River water works bond election of 1931. Certified or cashier's check, $242,000.

3— CHURCHES

Plans Being Prepared.

CHURCH Cost, $10,000
EAST OAKLAND, Alameda Co., Cal.
One-story wood frame church building (rustic exterior) seating capacity of 300; asbestos shingle roof.
Owner—Withheld.
Architect — George P. Simonds, 192 Main St., Hayward.

Contract Awarded

ALTERATIONS Cost, $2400
SAN FRANCISCO. NW Van Ness Ave. and Green St.
Alterations to frame church bldg. (alter choir, enlarge west end of the building, office in basement).
Owner—The Eastern Orthodox Church of Society of San Francisco, 1520 Green Street.
Architect — Harry W. Abrahams, 461 Market Street.
Contractor—Jos. Bettencourt, 422 San Anselmo Avenue.

4 — FACTORIES & WAREHOUSES

CONTRACT AWARDED

ESCONDIDO, San Diego Co., Cal.—Wm. P. Neil Co., 4814 Loma Vista Ave., Los Angeles, at $90,000 awarded contract by Escondido Orange Assn., W. L. Carson, Mgr., for the construction of a new orange and grapefruit packing house to be erected in Escondido. Building will be a one-story and basement structure, 120x300 feet of reinforced concrete construction, steel or wood roof trusses, composition roofing, steel sash, concrete and maple floors, etc. Plans prepared by W. W. Ache, 1616 4th Ave., Los Angeles.

Sub-Contracts Awarded.

BAG HOUSE Cost, $7000
SAN FRANCISCO. Folsom Street.
Three-story steel frame bag house (20 by 30 feet) 73-ft. high, steel late floors, protective metal exterior, protective metal roof.
Owner — Federated Metals Cor., 75 Folsom St., San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Structural Steel — Mortensen Constr. Co., 608 Indiana St.
Protective Metal Siding—H. H. Robertson, 50 Hawthorne St.
Reinforcing Steel—W. C. Hauck & Co. 280 San Bruno Ave.

Sub-Contracts Awarded.

PRINTING PLANT Cost, $150,000
SAN FRANCISCO. Twelfth St. and Van Ness Avenue South.
One- and part two-story reinforced concrete building to house printing and publishing plant.
Owner—Recorder Printing & Publishing Co., 460 Fourth Street.
Architect—W. P. Day, Financial Center Bldg., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Glass—Center Glass & Hardware Co., 600 Fourth St.
Roofing—Malott & Petersen, 20th and Harrison Sts.
Masonry—Wm. A. Rainey, 323 Clementina St.
Waterproofing—Alta Roofing Co., 976 Indiana St.
Sheet Metal—Wieland & Kolthoff, 2191 Folsom St.
Steel Windows—Michel & Pfeffer Iron Works, Harrison and Tenth Sts.
Hollow Metal—Dwan & Co., Call Bldg
Painting—Raphael Co., 270 Tehama Street.
Ceramic Tile — Donlon-Fratessa, 66 12th Street.
Caulking and Weatherstrip—Chamberlin Metal Weatherstrip Co., 895 Post St.
Plumbing—Skelly & Kohler, 1344 9th Avenue.
Vault Doors — Hermann Safe Co., Howard and Main Sts.
Acid Stain—Horn Products Co., 557 Market St.
Contracts on mill work and finish hardware will be awarded shortly.
As previously reported, sprinkler system awarded to James H. Pinkerton, 927 Howard St.; plumbing to Scott Co., 243 Minna St.; dumbwaiters to Vincent Whitney, 130 Tenth St.; tile to Donlon-Fretessa, 66 12th St.; reinforcing steel to Soule Steel Co., 1750 Army St.; readymix concrete to Golden Gate Atlas Materials Co., 16th and Harrison Sts.; steel sash to Michel & Pfeffer Iron Works, Harrison and 10th Sts.; grading to L. Devincenzi & Co., 148 Blake St.; plastering to A. Knowles, 928 Bryant St.; heating and humidifying system to Carrier Engineering Corp. of Calif., 748 E. Washington St., Los Angeles.

PLANNED

LOS ANGELES, Cal.—General Aviation Manufacturing Corp., subsidiary of General Motors, contemplates erecting a large manufacturing plant in Los Angeles. The factory site buildings and equipment will represent an investment of $1,000,000, according to reports.

Contract Awarded.

ALTERATIONS Cost, $4000
San Francisco. No. 1166-1174 Howard Street.
Alterations to warehouse.
Owner—Bothin Realty Co., 604 Mission St., San Francisco.
Engineer — Norman Green, Sharon Bldg., San Francisco.
Contractor—A. F. Mattock, 212 Clara St., San Francisco.

Segregated Bids Being Taken

BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Three-story reinforced concrete brew house (40x40 ft.) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishkian, 525 Market Street, San Francisco.
Bids are being received on structural steel, elevators, miscellaneous iron, steel sash and roofing. As previously reported the reinforcing steel contract was awarded to W. C. Hauck & Co., 280 San Bruno Avenue, San Francisco.

To Be Done By Day's Work.

ALTERATIONS Cost, $2500
SAN FRANCISCO. No. 2001 Third Street.
Alterations to warehouse.
Owner—Signal Oil & Gas Co., Prem.
Architect—Not Given.

Contract Awarded.

ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 100-116 Van Ness Avenue.
Alterations to auto shop and showrooms.
Owner—Van Ness Avenue Land Co., 176 Sutter St., San Francisco.
Architect—Not Given.
Contractor—James B McShechy, 137 Clifford Terrace, San Francisco.

6—GARAGES & SERVICE

To Ask Bids In One Week.

SERVICE STATION Cost, $7000
ALAMEDA, Alameda Co., Cal. Lincoln and Park Streets.
Steel and concrete service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

Concrete Contract Awarded.

SERVICE STATION Cost, $5000
TURLOCK, Stanislaus Co., Cal.
One-story frame and stucco service station.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor — John Huggard, Rialto Bldg., San Francisco.
Concrete—John Hansen, Turlock.

Contract Awarded.

SERVICE STATION Cost, $2000
BERKELEY, Alameda Co., Cal. No. 1321 Gilman Street.
One-story Class C super service station.
Owner—P. E. Whitters, 2300 Roosevelt St., Berkeley.
Contractor — The Pfeffer Co., 6221 Brownley St., Oakland
Architect—Not Given.

Planned.

SERVICE STATION Cost, $——
BERKELEY, Alameda Co., Cal. Hopkins and Monterey Blvd.
Class C service station.
Owner—Withheld.

Architect—Not Given.
Lessee—Shell Oil Co., Shell Bldg., San Francisco.
Contractor — John Huggard, Rialto Bldg., San Francisco.

Contracts Awarded.
SERVICE STATION Cost, $5000
SAN FRANCISCO. No. 570 Bayshore Blvd.
One-story steel service station (stucco finish).
Owner—Standard Oil Co., 225 Bush St. San Francisco.
Plans by Engineering Dept. of Owner.
Concrete—J. A. Grant, 666 Mission St.,
Electric—Buzzell Electric Co., 130 8th
Plumbing—Albach & Mayer, 85 Dorland Street.

7—FEDERAL BUILDING

BUILDING MATERIALS APPROVED

SAN FRANCISCO. — Treasury Department approved following equipment awards for the construction of the quarantine station, Angel Island. Fred J. Early, 369 Pine St., San Francisco, general contractor: Plumbing fixtures, Standard Sanitary Mfg. Co.; Non-conducting covering for plumbing, Plant Rubber & Asbestos Co.; boiler, U. S. Radiator Co.; oil burner, Ray Burner Co.; tube radiators, U. S. Radio Co.; wall radiators, U. S. Radiator Co.; lighting distribution panel, Westinghouse Elec. & Mfg. Co.; feeder panel, Westinghouse Elec. & Mfg. Co.; r. c. wire, American Steel and Wire Co.; flush switches, Bryant El. Co.; glassware, Inland Glass Co.; lighting fixtures, Mutual Metal Mfg. Company.

CONTRACT AWARDED

COALINGA, Fresno Co., Cal.—John E. Sjostrom Co. at $316.40 awarded contract by Post Office Supply Dept. for furnishing six wooden pigeon hole nests for lock boxes for the U. S. post office at Coalinga.

CONTRACT AWARDED

COALINGA, Fresno Co., Cal.—Geo. Fensky, at $1,585 awarded contract by Post Office Supply Dept. for furnishing furniture and screen line equipment for the U. S. post office at Coalinga.

BIDS WANTED

PALO ALTO, Santa Clara Co., Cal. —Until Nov. 23, 2:30 P. M., bids will be received by Supervising Superintendent of Construction, Veterans' Administration Facility, Palo Alto, for complete revisions to Building No. 205, Veterans' Administration Facility, Palo Alto.

Plans and Specifications may be obtained from above office.

BIDS WANTED

FRANCE FIELD, C. Z. — As previously reported, until November 30, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, San Francisco, for the construction of non-commissioned officers' quarters and dispensary, together with utilities at France Field. Estimated cost, $271,000. Plans and specifications may be obtained from above office upon deposit of $5.00.

LOW BIDDER

SAN RAFAEL, Marin Co., Cal.—A. H. Seimer, San Anselmo, at $265.00 submitted low bid to the Treasury Department for clearing the site of the proposed new U. S. post office building at San Rafael.

COMPLETE BIDS

CHEHALIS, Wash.—As previously reported, Patterson Bros., 2059 Webster St., Oakland, at $794, submitted low bid to the Treasury Department, Washington, D. C., for painting the plaster, etc., in the U. S. post office at Chehalis.

Complete bids follow:
Patterson Bros., Oakland ..... $ 794
Neuman Brothers, McMinnville, Oregon 963
V. M. Philip, Inc., Portland 1,080
Erickson Painting & Decorating Co., Seattle 1,247
West Coast Painters Co., Seattle 1,851
Bids held under advisement.

PROSPECTIVE BIDDERS

HONOLULU, T. H.—Following have procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Dec. 28 for the construction of a wharf, shed and disinfecting building, etc., at the U. S. Q. S., Honolulu, T. H.:
W. F. Jackson Co., Washington, D. C.
Mechanical Engineering Service, Washington, D. C.

CONTRACT AWARDED

POINT REYES, Cal.—M. J. Reeves Heating Co., 959 Natoma St., San Francisco, at $3747 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for removing an existing coal fired air heating furnace located in the basement of double barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to compass house, Building No. 1, at the U. S. Naval Direction Finder Station, Point Reyes, Calif. Specifications No. 7756.

BIDS WANTED

SAN DIEGO, Cal.—Until November 13, 11 A. M., bids will be received by Eleventh Naval District, San Diego, for floor coverings in barracks at the Naval Operating Base (Fuel Depot), San Diego. Specification No. 7833. Work involves: Provision and installation of approximately 3000 square feet of asphalt type tile laid on existing concrete floors of barracks building. Specifications may be obtained from the district headquarters in San Diego upon deposit of $10.

BIDS OPENED

HONOLULU, T. H.—Ralph E. Woolley, Honolulu, T. H., at $4900 submitted low bid to Treasury Department, Washington, D. C., for installing a sprinkler system in the U. S. Immigration Station at Honolulu, T. H. Complete bids follow:
Ralph E. Woolley, Honolulu $4900
George Hess, Los Angeles 5879
John Hansen, Honolulu 6298
Wm. P. St. Clair, Honolulu 6700
Durant-Irvine Co., Ltd. Honolulu 7800
Bids held under advisement.

LOW BIDDER

EARP, Riverside Co., Cal.—Paul S. Webb, P. O. Box 11, Boulder City, Nevada, submitted the low bid to the Bureau of Reclamation November 1, at $4380, for the construction of a laboratory and a combined warehouse, garage and shop building at the government camp, Parker Dam Project, near Earp. Part of the materials will be furnished by the government.

Complete Bids.
POST OFFICE Cost, $40,500
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Streets.
One - story Post Office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60-ft.; Mission style.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—K. E. Parker Co., 135 So. Park, San Francisco.

Complete supplemental bids follow:
K. E. Parker Co., S. F. $30,990
Wm. Splvock, S. F. 31,189
A. Nelson, Inc., S. F. 31,200
Schuler & McDonald, Oakland .. 33,447
Leo Epp, San Francisco 35,000
Bids held under advisement.

FUNDS ALLOTTED

SAN DIEGO, Cal. — Public Works Administration has allotted $100,000 to finance the establishment of a coast guard aircraft base at Lindbergh Field, San Diego. Buildings to be erected at the field will include three large hangars and quarters for the enlisted and commissioned personnel, the hangars to be built in the area immediately south of the United Airlines hangar and the quarters on Pacific Ave., north of Nutmeg St.

CONTRACT AWARDED

CRESCENT CITY and Eureka, Cal. —Theo. Johanns, 2020 15th St., San Francisco, at $2,825 awarded contract by Public Works Office, Mare Island Navy Yard, for installing an existing 1000-gallon water tank and replacing porch floors at Point St. George (Crescent City) and for replacing windows, miscellaneous repairs and painting at the Operating Bldg., Table Bluff (Eureka) and for installing a roof over the present water tank at Table Bluff. Specification No. 7798.

BIDS WANTED

HONOLULU, T. H.—Until Dec. 28, 1 P. M., bids will be received by the Treasury Department, Procurement Division, Public W'ks Branch, Washington, D. C., for the construction of a wharf, shed and disinfecting buildings, etc., at the U. S. Q. S., Honolulu. Plans and specifications may be obtained from above office upon deposit of $15.00.

Bids Wanted—To Close Dec. 5.
POST OFFICE Cost, $52,800
HUNTINGTON BEACH, Orange Co. United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

Contract Awarded.
POST OFFICE Cont. Price, $46,200
SAN FERNANDO, Los Angeles Co., Cal. Celis St. and Maclay Ave.
One-story reinforced concrete Post Office Building.
Owner—U. S. Government (Treasury Department).
Plans by Supervising Architect.
Contractor—Sarver & Zoss, Inc., 1015 W. Fourth St., Los Angeles.

Low Bidders.
POST OFFICE Cost, $——
COLTON, San Bernardino Co., Cal.
One-story and part basement Post Office Building (65x70 ft.) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains cork carpet, one - pipe, low pressure heating system, etc.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — Schuler & McDonald, 1723 Webster St., Oakland, at $37,347.
Wesco Constr. Co., Los Angeles, submitted second low bid at $37,600.
Complete bids will be published shortly.

Plans Being Figured—Bids Close Dec. 4 8 P. M.
SCHOOL Cost, $200,000
SEBASTOPOL, Sonoma Co., Cal.
Two-story reinforced concrete high school building.

Owner—Analy Union High School District.
Architect—Louis C. Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market St., S. F.

Bids are being taken for a general contract, with separate bids for electrical work and heating work. Plans and specifications may be obtained from the architect about November 5 upon deposit of $50 for the general plans and $25 each for heating and electric.

LOW BIDDER

LOS ANGELES, Cal.—Duff & Vandenhoogen, 733 W. 14th St., Long Beach, submitted low bid to Los Angeles Board of Education, at $45,350, for reconstructing, rehabilitating and strengthening the main building at Orange Street School, northeast corner of Eschelman Ave. and 259th St., Lomita. Following subcontract bids were submitted with low general bid: Bonham Iron Works, structural steel and miscellaneous iron, $2482; Dutro, gunite, $13,107; Long Beach Marble & Tile Co., marble and tile, $333; L. A. Walquist, plastering, $2150; Swan & Pond, painting, $170; Chase Lumber Co., roofing, $770; A. H. Gallop, plumbing, $550; J. Herman Co., heating and ventilating, $730. Other general contract bids were: Atlas Construction Co., $46,200; John W. Flanagan, $46,984; Jones Brothers, $47,920; Arthur Pinner, Jr., $50,827; Chas. J. Dorfman, $53,800; Harvey A. Nichols, $53,964. C. F. Skilling, 1008 W. Adams Blvd., Architect and S. B. Barnes, 803 W. Third St., Structural Engineer. 15

Contract Awarded

SCHOOL Cont. Price, $48,627
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.
Owner—Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—Campbell Const. Co., 800 R St., Sacramento.

Plans Being Figured.

SCHOOL Cost, $——
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One-story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds 192 Main St., Hayward.
Bid opening date will be announced shortly.
On previous bid opening lowest bid was submitted by George Petersen, 1841 Bancroft Ave., San Leandro, at $11,634.

BIDS WANTED

NORWALK, Los Angeles Co., Cal.—Until November 20, 8 P. M., bids will be received by the Board of Public Building Reconstruction, at the office of the Norwalk Elementary School, for the erection of a one-story reinforced concrete auditorium building (135x87 feet) in Norwalk. Separate bids will be taken as follows: (1) general work; (2) plumbing; (3) heating and ventilating; (4) electric wiring; (5) auditorium chairs; (6) stage equipment. Plans and specifications may be obtained at 311 California State State Bldg., Los Angeles, upon deposit of $25. T. C. Kistner, 814 Architects' Bldg., Los Angeles, architect.

LOW BIDDERS

LOS ANGELES, Cal.—Reed & Maiser, 6348 Colgate Ave., Los Angeles, submitted low general contract bid to Long Beach board of education at $76-057 (using salvaged materials) and at $18,778 for the millwork, for construction of chemistry and physics buildings at the Long Beach junior high school site. Other low bidders were: Hickman Bros., 910 E. Anaheim St., Long Beach, on plumbing and ventilating at $18,388 (using salvaged materials) Baty Electric Co., 128 W. 4th St., Long Beach, electric wiring, at $14,075. Kirtland Cutter, Farmers & Merchants Bank Bldg., Long Beach, architect; J. H. Davies and C. D. Walls, Jr., Ocean Center Bldg., Long Beach, structural engineers.

LOW BIDDER

ONTARIO, San Bernardino Co., Cal. Henry Klusman, 154 N. Archibald Avenue, Cucamonga, submitted low bid at $76,068, to the Chaffey Union High School District for construction of the Chaffey Memorial Library building in Ontario. Will contain a repository for books, reading room with a capacity of 200; high school reading room with a capacity of 100; perodical room, etc. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

BONDS VOTED

DALY CITY, San Mateo Co., Cal. Jefferson School District voted bonds November 2 in the amount of $105,000. Proceeds will be used to finance the construction of the Jefferson Elementary School, Crocker Elementary and Woodrow Wilson Elementary school. Preliminary plans prepared by Architect Albert Roller, Crocker Bldg., San Francisco.

November 5, 1934

Sub-Contracts Awarded

IMPROVE SCHOOL Cost, $110,000
SAN MATEO COUNTY, Calif.
Structural alterations and additions to San Mateo High (work includes steel, brick, concrete and wood reconstruction).
Owner—San Mateo High School Dist.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Contractor—C .L. Wold, 4416 Fulton St., San Francisco.
Structural Steel—Minneapolis Steel & Machinery Co., Sharon Bldg., San Francisco.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Electric—Strom and Smith, 1077 Valencia St., San Francisco.
Other awards will be made shortly.

Preparing Preliminary Plans

SCHOOL Cost, $——
SAN FRANCISCO. Geary and Scott Streets.
Restoration of portion of Girls' High School (portion recently destroyed by fire).
Owner—City and County of San Francisco.
Architect—H. A. Minton, 525 Market Street.
Associate Architects—Henry C. Smith Humboldt Bank Bldg., and Mark T. Jorgensen, 525 Market Street.

LOW BIDDERS

PUGET SOUND, Wash.—Otis Elevator Co., Washington, D. C., at $4,-950 submitted low bid to the Bureau of Yards and Docks, Navy Department, for elevator repairs at the Naval Hospital, Puget Sound. Second low bid was submitted by Montgomery Elevator Co. at $5,163.

Complete Bids

POST OFFICE Cost, $——
COLTON, San Bernardino Co., Calif.
One - story and part basement post office building (65x70 ft.) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains cork carpet, one - pipe, low pressure heating system, etc.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Schuler and McDonald, 1723 Webster St., Oakland.
Complete bids follow:

Schuler & McDonald, Oakland	$37,347
Wesco Const. Co., L. A.	37,600
M. A. Anderson, L. A.	39,200
Murch Bros., St. Louis	39,586
L. F. Dow Co., L. A.	39,700
T. A. Beyers Corp.	40,778

Bids Wanted—To Close December 3.

POST OFFICE Cost, $68,200
WALSENBURG, Oregon.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

Bids Wanted—To Close December 5, 1 P. M.

POST OFFICE Cost, $——
SANTA PAULA, Ventura Co., Calif.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

CONTRACT AWARDED

TABLE BLUFF, Eureka Cal—.Frederick W. Snook, 596 Clay St., San Francisco, at $5319 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for remodeling present hot water heating system in Operating Building ond for extending this heating system to the Radioman-in-charge and the double quarters at the U. S. Naval Radio Station, Table Bluff (Eureka), Calif. Spec. No. 7754.

CONTRACT AWARDED

POINT MONTARA, Cal.—O'Mara & Stewart, 218 Clara St., San Francisco, at $2974 awarded contract by Bureau of Yards and Docks, Navy Department, Washington D. C., for removing an existing coal fired hot air heating furnace located in the basement of barracks building No. 2 and for furnishing and installing in same building an oil fired hot water heating system with an extension to the Compass House, Building No. 1, at the U. S. Naval Direction Finder Station, Point Montara, Calif. Specification No. 7758.

Bids Wanted—To Close Dec. 10, 1 P.M.

POST OFFICE Cost, $66,600
REDWOOD CITY, San Mateo Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

Bids Wanted—To Close December 3, 1 P. M.

POST OFFICE EXTEN. Cost, $——
RATON, New Mexico.
Extension and remodel U. S. Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be ob-

tained from above office upon deposit of $15.00.

PROSPECTIVE BIDDER

TORRANCE, Los Angeles Co., Cal. —Jos. Hub, 1247 Hermes Ave., Covington, Ky., has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Nov. 12 for the construction of the U. S. Post Office at Torrance. 7

CONTRACT AWARDED

SACRAMENTO, Calif.—D. Zelinsky & Sons, 165 Grove St., San Francisco at $9,278 awarded contract by Treasury Department, Washington, D. C., for painting the plaster, decorating, etc., in the U. S. post office, Sacramento.

LOW BIDDER

CHEHALIS, Washington.—Patterson Brothers, 2059 Webster St., Oakland, at $794.00 submitted low bid to Treasury Department, Washington, D. C., for painting the plaster, etc., in the U. S. post office at Chehalis.

COMMISSIONED TO PREPARE PLANS

SAN DIEGO, Cal.—Architect Wm. Templeton Johnson, San Diego Trust & Savings Bank Bldg., San Diego, has been advised by the supervising architect in Washington that a new contract for architectural services in connection with the San Diego Post Office has been forwarded for his signature. The original plans were drawn two years ago and bids were opened in March, 1933, but the project was withdrawn. The building will be a two-story Class A structure, covering an area of approximately 200x185 feet. Appropriation is $410,000.

BIDS WANTED

SANTA PAULA, Ventura Co., Cal. —Until December 5, 1 P. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for the construction of the United States Post Office on the northwest corner of the city hall grounds in Santa Paula. Appropriation for the project is $52,800.

PROSPECTIVE BIDDER

LONG BEACH, Cal. — Theodore A. Beyers Corp., 438 Chamber of Commerce Bldg., Los Angeles, has procured plans for the purpose of submitting a bid to the Treasury Department, Washington, D. C., on Nov. 15 for finishing fourth, fifth, sixth and seventh floors of the Long Beach Post Office.

Bids Wanted—To Close December 3, 1 P. M.

POST OFFICE EXTEN. Cost, $——
SANTA FE, New Mexico.
Extension and remodel U. S. Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

BIDS OPENED

VISALIA, Tulare Co., Calif.—Following bids received by the Division of Supply, Treasury Department, for eight racks of metal shelving for the U. S. post office at Visalia; Proposal No. 2239:

De Luxe Metal Furniture Co.	$330.90
Berger Mfg. Co.	350.04
General Fireproofing Co.	325.73
Lyon Metal Products Co.	363.11
Metal Office Furniture Co.	291.39
Fred Medart Mfg. Co.	339.00
Art Metal Const. Co.	398.05
Interior Steel Equip. Co.	355.60
Globe Wernicke Co.	369.60
Fenn Metal Co.	401.44
Jamestown Metal Equip. Co.	472.28
Electric Service Supplies Co.	401.44
Worley & Co.	403.95

Bids held under advisement.

NO BIDS RECEIVED

FRANCE FIELD, Canal Zone—No bids were received by the Constructing Quartermaster, Fort Mason, for the construction of a parachute, armament, radio and photo laboratory, paint and dope house with appurtenances and utilities at France Field.

Bids Wanted—To Close December 5, 1 P. M.

POST OFFICE Cost, $52,800
HUNTINGTON BEACH, Orange Co.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

BOND ELECTION

ARROYO GRANDE, San Luis Obispo Co., Cal.—Arroyo Grande Elementary School District, San Luis Obispo County, will vote on a $41,000 bond issue November 6, proceeds to be used to partially finance the construction of a new school building. Total cost of the structure is estimated at $53,500.

8— CLUB BUILDINGS

PLANNED

LAS VEGAS, Nevada — Las Vegas American Legion Post; Oliver Goerman, commander, contemplates erecting a new clubhouse in Las Vegas to cost approximately $16,000. Of this amount, $5000 would be spent for materials and the balance for labor. It is proposed to apply for government funds to finance labor costs.

9— HOSPITALS

Plumbing Contract Awarded

HOME Cont. Price, $67,388.50
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard, Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
As previously reported, excavation awarded to J. Catucci, 1212 18th Ave., Oakland; reinforcing steel and steel sash to Truscon Steel Co., 604 Mission St., San Francisco; heating to Scott Co., 113 10th St., Oakland.

Plans Being Figured—Bids Close Nov. 19, 8 P. M.

DORMITORY Cost, $8000
SAN JOSE, Santa Clara Co., Cal. Almshouse Site.
One-story frame and stucco dormitory (to accommodate 80 beds); shingle roof, plaster exterior, gas heating system.
Owner—County of Santa Clara.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.

Contract Awarded

ALTERATIONS Cont. Price, $3,348
WOODLAND, Yolo Co., Calif. County Hospital Grounds.
Alterations to half of basement to provide for 30 additional beds at the Yolo County Hospital (basement to be walled and floored with concrete, heating and plumbing facilities, etc.)
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Contractor—J. G. Motroni, Box 537, Woodland.
Plumbing & Heating—Woodland Plbg. & Hardware Co., Woodland, $850.
Complete bids follow:

General Work

J. G. Motroni, Woodland		$2,798
	(1)	550
H. S. Brindle, Sacramento		$2,677
	(1)	692
Chas. F. Unger, Sacramento		$3,270
	(1)	611
N. H. Sjoberg & Sons, S. F.		$3,273
	(1)	619

Plumbing and Heating

Woodland Plbg. & Hardware Co., Woodland	$850
F. R. McGrew, Woodland	897

Bid Opening Date Postponed Until Nov. 26, 8 P. M.

DORMITORY Cost, $8000
SAN JOSE, Santa Clara Co., Calif. Almshouse Site.
One-story frame and stucco dormitory (to accommodate 80 beds); shingle roof, plaster exterior, gas heating system.
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Plans and specifications may be obtained from Henry A. Pfister, Clerk, Santa Clara Board of Supervisors.

Bids Wanted—To Close Dec. 4, 2 P.M.

BOILER PLANT, ETC. Cost, $——
CAMARILLO, Ventura Co., Cal. State Hospital Site.
One-story reinforced concrete kitchen, one-story reinforced concrete dining room building and one-story reinforced concrete boiler plant (clay tile roofs).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Bids are being taken as follows:
(1) General work.
(2) Electrical work.
(3) Mechanical work (plumbing, heating, ventilating, kitchen equipment).
(4) Refrigerating work (for kitchen and dining room building, only).
Plans and specifications may be obtained from above office upon deposit of $25.00.

10— HOTELS

Contract Awarded.

REPAIRS Cost, $5000
SAN FRANCISCO, No. 512 Van Ness Avenue.
Repair fire damage to hotel apartments.
Owner—A. De Urioste, 512 Van Ness Ave., San Francisco.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace, San Francisco.

12— POWER PLANTS

BIDS POSTPONED

COOLIDGE, Arizona—Until November 15, 2 P. M., date postponed from November 1, previously reported, bids will be received by C. H. Southworth, District Engineer for the San Carlos Project, Coolidge, Arizona, for the construction of a complete Diesel-powered electrical generator plant, estimated to cost $250,000.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACT AWARDED

FOLSOM, Sacramento Co., Cal.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $3500 awarded contract by State Purchasing Department, Sacramento, for steel window grilles at the Folsom State Prison. Requisition No. 14548.

CONTRACT AWARDED

FOLSOM, Sacramento Co., Cal.—Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco, at $2,875.16 awarded contract by State Purchasing Department, Sacramento, for furnishing reinforcing steel for the Folsom State Prison. Identical bids were submitted by the following at $2875.16:

Pacific Coast Steel Co.
Truscon Steel Co.
Gunn Carle & Co.
Soule Steel Co.
W. S. Wetenhall.
W. C. Hauck.
Concrete Engineering Co.
Columbia Steel Co.
Judson Pacific Co.
Beatie Steel & Supply Co., Oakland.
Palm Iron Works.
George Boorman.

CONTRACT AWARDED

SACRAMENTO, Cal.—Otis Elevator Co., 1 Beach St., San Francisco, at $4373 awarded contract by Sacramento City Council for furnishing and installing one electric passenger elevator for the Sacramento City Library.

LOW BIDDER

ONTARIO, San Bernardino Co., Cal.—Henry Klusman, 154 N. Archibald Ave., Cucamonga, submitted the low bid at $76,068, to the Chaffey Union High School District for construction of the Chaffey Memorial Library Bldg. in Ontario. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

PLANNED

ONTARIO, San Bernardino Co., Cal.—Architect G. S. Wilson, Mission Inn, Riverside, prepared preliminary plans for proposed new city hall to be erected on Euclid Ave., Ontario. Two units estimated to cost $45,000, would be erected at this time and, in addition to city offices, would house SERA district offices. The project has been submitted to SERA officials for approval.

Low Bidder.
FIRE HOUSE Cost, $2000
SALINAS, Monterey Co., Cal.
One-story reinforced concrete fire house (16x32 feet); composition roof, concrete floors.
Owner—City of Salinas.
Architect — Chas. Butner, 51 Maple St., Salinas.
Low Bidder—W. E. Green, 32 Willow St., Salinas, at $1835.
Bids held under advisement.

Bids Wanted—To Close Dec. 12, 10:30 A. M.
COURT HOUSE Cost, $1,800,000
OAKLAND, Alameda Co., Cal. Fallon and Twelfth Streets, Oak and 13th.
Twelve-story fireproof court house (structural steel frame, reinforced concrete walls, permanent and earthquake resistive; plumbing, heating, ventilating, electric work, elevators (to house all county offices and courts) three lower floors to be 176x245 ft. and upper floors 116x116 ft.
Owner—County of Alameda.
Architects—W. G. Corlett, James E Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt, 2902).
Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.
Bids are being taken as follows:
(1) Lump sum bid covering entire project, including furnishing and installation of jail equipment;
(2) Lump sum bid similar to (1) but excluding furnishing and installing of jail equipment;
(3) Lump sum bid similar to (2) but excluding (a) excavation and foundation work; (b) structural steel and erection; (c) elevators; (d) mechanical work;
(4) Excavation and foundation work;
(5) Structural steel and erection;
(6) Elevators;
(7) Mechanical works;
(8) Furnishing and installing jail equipment.
Plans and specifications may be obtained from County Clerk's Office after 2 P. M. today, November 9, upon deposit of $100.00 for general plans and $50.00 each for all other portions of the work.
Work financed by bond proceeds of $1,712,000 and a PWA grant of $462,000.
(3124) 1st report Nov. 22, 1933; 6th, Nov. 8, 1934. * 13

BONDS DEFEATED

REDWOOD CITY, San Mateo Co., Cal.—San Mateo County defeated the bond issue November 6 in the amount of $112,000. Proceeds were to have financed construction of a four-story reinforced concrete court house annex in Redwood City. E. L. Norberg, 407 Occidental Ave., Burlingame, and W. H. Toepke, 74 New Montgomery St., San Francisco, architects.

14— RESIDENCES

Contract Awarded
ALTERATIONS Cost, $3000
SAN FRANCISCO. 2550 Webster St.
Alterations to residence (install elevators, etc.)
Owner — Mrs. F. C. Edwards, 2550 Webster Street.
Architect—Not Given.
Contractor—Otis Elevator Company, 1 Beach Street.

Contract Awarded
ALTERATIONS Cost, $2000
SAN FRANCISCO. 1435 17th Avenue.
Alterations to frame residence.
Owner—M. Lang, 1435 17th Avenue.
Architect—Not Given.
Contractor—G. J. Elkington, 1291 33rd Avenue. 4

Contract Awarded.
RESIDENCE Cost, $——
SAN ANSELMO, Marin Co., Cal.
One-story frame and stucco residence
Owner—J. R. DeFaria.
Architect—Mario Corbett, 537 Mason St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.

Preparing Preliminary Plans.
RESIDENCE Cost, $40,000
SANTA BARBARA, Santa Barbara Co., Cal.
Remodel residence.
Owner — L. Lloyd Sheldon, Manager, Paramount Publix Pictures.
Architect—Edwards & Plunkett, 114 S. de la Guerra St., Santa Barbara

Preliminary Plans Prepared.
ADDITION Cost, $12,000
PALO ALTO, Santa Clara Co., Calif. Stanford University Campus.
Alterations and additions to fraternity house (add bedrooms, new plumbing ,stucco work, tile roof, redecorate interior, partition work, etc.)
Owner — Delta Chi Fraternity, 586 Losuen St., Stanford University, Palo Alto.
Architect—Chas. Sumner, Deckeroak Bldg., Palo Alto.

Contract Awarded
ALTER RESIDENCE Cost, $2500
SANTA CRUZ, Santa Cruz Co., Calif. 174 Broadway.
Alterations to one-story frame residence (stucco exterior, tar, gravel and tile roof, etc.)
Owner—Geo. L. Peters, 174 Broadway, Santa Cruz.
Architect—Not Given.
Contractor—Walter Reed, Santa Cruz.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
SAN FRANCISCO. Paris and France Streets.
One-story and basement frame and stucco residence.
Owner & Builder—R. A. McAfee, 125 Cervantes Blvd., San Francsico.

November 6, 1934

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. E Pierce St. 77 S Clay Street.
One and one-half-story frame and stucco residence.
Owner—J. H. Mueller, 343 Fourth St., San Francisco.
Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $7150
SAN FRANCISCO. E Pierce St. S Clay Street.
One and one-half-story frame and stucco residence.
Owner—John H. Mueller, % Contractor
Architect—Not Given.
Contractor—H. S. Meinberger, 343 4th St., San Francisco.

Owner Taking Bids
RESIDENCE Cost, $7000
OAKLAND, Alameda Co., Calif. 1891 Trestle Glen Road.
Two - story and basement frame and stucco residence (7 rooms).
Owner—H. P. Fisher, 376 17th Street, Oakland.
Architect—W. E. Schirmer, Bank of America Bldg., Oakland.

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. N Nineteenth St. 108 W Eureka Street.
Two-story and basement frame and stucco residence.
Owner—George G. Nuttman, 4175 20th St., San Francisco.
Architect—Not Given.
Contractor — Michel & Bomerer, 762 De Haro Street.

Preparing Working Drawings.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame, stucco and brick veneer residence (nine rooms and 4 baths) shake roof, gas heating system, hardwood floors, tile baths, etc.
Owner—Lloyd Simpson.
Architect — Leo Sharps, 1477 Burlingame Ave., Burlingame.

Contract Awarded.
RESIDENCE Cost, $4000
FRESNO, Fresno Co., Cal. No. 620 Vassar Street.
One-story and basement frame and stucco residence.
Owner—Arthur Maiden.
Architect—Not Given.
Contractor—G. C. Walker, 437 Corbett St., Fresno.

BIDS OPENED
RESIDENCE Cost, $——
ROSS, Marin Co., Calif. Del Mesa.
Two - story and basement frame and stucco residence (9 rooms and 4 baths) shingle roof, gas heating system, hardwood floors, tile baths
Owner—Dr. M. E. Hazeltine, 510 B St. San Rafael.
Architect—Carl F. Gromme, Masonic Bldg., San Rafael.
Low Bidder — W. F. Wagner, 225 Monte Vista Ave., Larkspur.
Complete bids follow:
W. F. Wagner, Larskpur.....$12,232
Young & Horstmeyer, S. F..... 12,397
Jos. Linggi, San Rafael..... 12,528
Hannah & Wooldridge, S. F..... 12,634
Moore & Roberts, S. F..... 12,729
Leibert & Trobock, S. F..... 13,216
R. Watson, San Anselmo..... 13,332
A. L. Siemer, San Anselmo..... 13,343
D. B. Gladstone, S. F..... 13,590
L. Warden, San Rafael..... 13,999
Bids held under advisement.

Contract Awarded.
RESIDENCE Cost, $10,629
SAN FRANCISCO. Edgehill Way, Claremount Court.
Two-story and basement frame and stucco residence.
Owner—Maurice H. Sumner, 466 41st St., Oakland.
Architect — Blaine & Olson, Bank of America Bldg., Oakland.
Contractor—Thomas A. Cuthbertson, 430 Noriega St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $6000
SAN FRANCISCO No. 2755 Vallejo Street.
Alterations to frame flats (remodel interior and exterior).
Owner—Ora Hyde.
Architect—Fred Reimers, 233 Post St. San Francisco.
Contractor—Fred DuPuy, 110 Sutter St., San Francisco.

Plans Being Figured—Bids Close Dec. 3rd, 2:30 P. M.
COTTAGE Cost, $4000
WOODLAND, Yolo Co., Calif. County Hospital Grounds.
One-story frame warden's cottage (5 rooms) part tile roof, etc.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

15— SCHOOLS

BIDS WANTED
LONG BEACH, Cal.—Until Nov. 14, 4 P. M., bids will be received by Long Beach Board of Education for the construction of the steel frame academic building at the Franklin Junior High School site on Cerritos Ave. and Fifth St. Plans prepared by George D. Riddle, 2826 Cedar Ave., Long Beach.

Bids Wanted—To Close Nov. 19.
ALTER SCHOOL Cost, $——
COVINA, Los Angeles Co., Cal.
Rehabilitation and strengthening of cafeteria and shop buildings at the Voina Elementary School.
Owner—Covina City Grammar School District.
Architect — Edward D. Kent, Architects Bldg., Los Angeles.
Structural Engineer — L. A. Parker, Architects Bldg., Los Angeles.

FIRE LOSS
SAN FRANCISCO—Fire destroyed two freehand drawing rooms in the attic, some roofing, portion of ceiling on first floor, etc., in the Lowell High School, located on Hayes and Ashbury streets. Reconstruction and repair work has been under way for some time by H. L. Petersen, 731 Treat Ave., at an approximate cost of $135,000.

CONSULTING ENGINEER APPOINTED
SAN FRANCISCO—H. C. Vensano, 251 Kearny St., has been appointed consulting engineer by Department of Public Works to estimate damage to Lowell High School, Ashbury and Hayes Streets, San Francisco.

Bids Opened
SHOP Cost, $15,000
SELMA, Fresno Co., Calif.
One - story reinforced concrete shop building (steel trusses, concrete floors, gravel roof) will contain offices and tool room, etc.
Owner—Selma Union High School District (Geo. Howden, Principal).
Architect—W. D. Coates, Jr., Rowell Bldg., Fresno.
Low Bidder—R. P. Moore, 3662 Verrue St., Fresno.
Complete bids follow:
(1) work complete;
(2) deduct for classrooms.

R. P. Moore	(1)	$17,477
	(2)	2,228
W. J. Ochs	(1)	$17,822
	(2)	2,180
T. C. Irwin	(1)	$17,950
	(2)	2,018
Jolly & Harrington	(1)	$18,469
	(2)	2,086
Harris Const. Co.	(1)	$19,152
	(2)	2,420
William Hopkins	(1)	$19,050
	(2)	2,050
A. Jorgensen	(1)	$19,735
	(2)	2,498
LaForti & Heffner	(1)	$19,735
	(2)	2,574

All bidders of Fresno. Bids held under advisement.

LOW BIDDERS
LOS ANGELES, Cal.—Reed & Malser, 6348 Colgate Ave., Los Angeles, submitted low bid to the Long Beach board of education at $76.057 (using salvaged materials) and $18,778 for millwork, for the construction of the chemistry and physics buildings at the Long Beach junior high school site. Other low bidders were: Hickman Bros., 910 E Anaheim St., Long Beach plumbing and ventilating at $18,388 (using salvaged materials); Baty Elec. Co., 128 W. 4th St., Long Beach, electric wiring at $14,075. Wirtland Cutter, Farmers & Merchants Bank Bldg Long Beach, architect; and J. H. Davies and C. D. Walls, Jr., Ocean Center Bldg., Long Beach, structural engineer.

Contemplated
BUILDING Cost, $——
LOS GATOS, Santa Clara Co., Calif.
Reinforced concrete building for the Montezuma School for Boys (bldg. to house music rooms, assembly with stage, etc.)
Owner—Montezuma School (H. J. Lloyd) Los Gatos.
Architect—Requa and Jackson, Bank of America Bldg., San Diego.

Steel Frame Bids Wanted—To Close Nov. 13, 4:30 P. M.
GYMNASIUM Cost, $——
RICHMOND, Contra Costa Co., Cal.
Roosevelt Junior High School.
Steel frame for Roosevelt Junior High School gymnasium.
Owner—Richmond Union High School District.
Architect—Louis S. Stone, 785 Market St., San Francisco.
Plans and specifications may be obtained in the office of the high school board, Lincoln School, 235 10th St., Richmond, upon deposit of $20. Certified check for 10% of amount bid required with each bid.

CANTRACT AWARDED
SAN FRANCISCO—Michel & Pfeffer Iron Works, Harrison and Tenth Sts., at $93.85 awarded contract by Department of Public Works for constructing fence at the Commodore Stockton School. Work involves erection of 8 foot chain link fence on concrete wall with 8 foot return on top of present fence, involving 32 feet.

Site Purchased.
SCHOOL Cost, $75,000
HEALDSBURG, Sonoma Co., Cal.
Luce Estate Property (6.3 acres).
One-story frame and stucco grammar school building (3 units).
Owner — Healdsburg Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.

LOW BIDDER
COMPTON, Los Angeles Co., Cal.—W. E. Allen, 752 W. Anaheim Street, Long Beach, submitted low bid to Board of Public Building Reconstruction at $45,210, for reconstructing Orange Avenue School for the Compton Grammar School District. H. L. Gogerty, 6272 Yucca St., Los Angeles, architect.

Bids Opened
ADDITION Cost, $——
SOQUEL, Santa Cruz Co., Calif.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.
Low Bidder — P. T. Wallstrum, 854 Main St., Watsonville.
Complete bids follow:
(1) three-room addition;
(2) two-room addition.

P. T. Wallstrum, Watsonville	(1)	$16,785
	(2)	11,150
Palmer & Balsinger, Santa Cruz	(1)	17,100
	(2)	11,675
C. M. Norgrove, Berkeley	(1)	17,345
	(2)	11,967
J. R. McGranahan, Santa Cruz	(1)	17,680
	(2)	12,374
W. H. Nunes, Soquel	(1)	18,673
	(2)	13,950
Hamilton & Church, Santa Cruz	(1)	19,471
	(2)	13,613
J. E. Branagh, Oakland	(1)	20,000
	(2)	12,600

Bids held under advisement until November 13.

BONDS DEFEATED
BERKELEY, Cal.—Berkeley School District defeated bond issue November 6 in the amount of $2,893,500. Proceeds were to have financed construction of elementary and high school improvements and new construction. Work involved construction of three new elementary school plants, i. e. the Whittier, Le Conte and Columbus and the rehabilitation of the Garfield and Edison Junior High Schools. Additional facilites at the Berkeley High School include construction of new shops, new auditorium, etc.

16—BANKS, STORES AND OFFICES

Plans Being Figured.
ALTERATIONS Cost, $20,000
SACRAMENTO, Sacramento Co., Cal.
SW Tenth and K Streets.
Alterations and additions to store building (work includes air conditioning equipment, new soda fountain, restaurant equipment, drug department, etc.)
Owner—Schramm-Johnson Co., Tenth and K Sts., Sacramento.
Plans by T. J. McCormick, Land

Hotel, Sacramento.
Bids are being received by T. J. McCormick at the Land Hotel, Sacramento.

Plans Being Figured — Bids Close Nov. 14, 10 A. M.
ALTERATIONS AND ADDITIONS Cost, $20,000
COLOM, San Mateo Co., Cal. Cypress Lawn Cemetery.
Alterations to first floor and add one-story frame top addition to office building; one-story frame flower shop (cement plaster exterior, etc.)
Owner—Cypress Lawn Cemetery Association, 593 Market St., S. F.
Architect—Arthur Brown Jr. 251 Kearny St., San Francisco.
Following will submit bids:
Dinwiddie Constr. Co., Crocker Bldg., San Francisco (EX 5616).
Nils E. Johnson, 270 Monterey Blvd., San Francisco (DE 4562).
George Wagner, 181 South Park, San Francisco (GA 4032).
E. Q. Yount, 315 Avila St., San Francisco (FI 4035).
Chas. Stockholm, Russ Bldg., San Francisco (DO 4420).
Bessett Bldg. Co., 826 Walnut St., Burlingame (Burl. 3758)

To Be Done By Day's Work
ALTERATIONS Cost, $4000
SAN FRANCISCO. 867 Washington Street.
Alterations to flats and store building
Owner—Chin Bing Foo, care W. D Brown, 5432 Geary Blvd.
Architect—Not Given.

Bids Wanted—To Close Nov. 27, 2 P.M.
OFFICE BLDG. Cost, $——
SAN DIEGO, San Diego Co., Calif.
One - story and part basement reinforced concrete district office bldg. (frame partitions, clay tile roofing).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Bids are being taken as follows:
(1) General work.
(2) Electrical work.
(3) Plumbing work.
(4) Heating work.
Plans and specifications may be obtained from the above office upon deposit of $25.00. *

To Be Done By Day's Work.
ALTERATIONS Cost, $1500
STOCKTON, San Joaquin Co., Cal. No. 29 N-California Street.
Alterations to store building.
Owner—Agnes F. Hunter and Amy F. Edward, Premises.
Architect—Not Given.

Contract Awarded.
STORE Cost, $5000
BURLINGAME, San Mateo Co., Cal. Lot 32 Blk 17, Capuchino.
One-story Class C store building.
Owner—L. H. Lampert.
Architect—Not Given.
Contractor—Roy Allen, 120 Bancroft Road, Burlingame.

Plans Being Prepared.
STORE Cost, $8000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
One-story reinforced concrete store building (3 stores) composition roofing, etc.
Owner—Withheld.
Achitect—W. E. Schirmer, 910 Bank of America Bldg., Oakland.
Architect—Not Given.

FIRE LOSS
SAN LEANDRO, Alameda Co., Cal. —Fire destroyed the Masonic Building in San Leandro. Damage estimated at $8,000. Repairs will be made as soon as insurance is adjusted.

Planned
ALTER STORE Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. NE First and San Antonio Streets.
Architect—Not Given.
Further details will be announced shortly.
Alterations to building for drug store.
Owner—Walgren Drug Co. (Chas. M. O'Brien) 160 S. 13th St., San Jose.

PREPARING PLANS
ONG BEACH, Cal.—Architect W. H. Austin, 532 Chestnut Avenue Long Beach, expects to proceed with preliminary plans soon for reconstructing the 12-story store and office bldg. at the corner of American Ave. and Broadway, Long Beach, for the Pacific Southwest Building Co. 5

Contract Awarded
ALTERATIONS Cost, $5,000
SAN FRANCISCO. Rear of 65 Market Street.
Alterations to first floor in main bldg. (partition work, etc.)
Owner—Southern Pacific Railroad Co., 65 Market Street.
Plans by Engineering Dept. of Owner
Contractor—B. A. Howkins, 1182 Market Street.

Planned.
STORE Cost, $——
HOLLISTER, San Benito Co., Cal.
Modern store building (36x700 feet).
Owner—Miss Margaret Loretta O'Donnell, Hollister.
Architect—Not Given.
Lessee—Purity Store.

PROSPECTIVE BIDDER
LAWNDALE, San Mateo Co., Cal. —Hannah & Wooldridge, 268 Market Street, San Francisco, have procured plans for the purpose of submitting a bid to Architect Arthur Brown, Jr., 251 Kearny St., San Francisco, on November 14 for the construction of alterations and additions to flower shop and offices at Cypress Lawn Cemetery for the Cypress Lawn Cemetery Association. * 6

Contract Awarded. 6
ADDITION Cont. Price, $7970
SACRAMENTO, Sacramento Co., Cal. Twenty-eighth and Y Streets.
Frame and stucco addition to market 60x80 feet).
Owner—Albert Smith.
Architect—George Sellon, California State Life Bldg., Sacramento.
Contractor—E. A. Corum, 2665 Donner St., Sacramento.

BIDS OPENED
SAN FRANCISCO—Fink & Schindler, 552 Brannan St., at $179 submitted low bid to Department of Public Works for the construction of a telephone booth in the Mayor's Office, City Hall. Complete bids follow:

Fink & Schindler	$179.00
L. & E. Emanuel	187.70
Mullen Mfg. Co.	268.00
R. Brandlein	274.70

Bids held under advisement.

Bids In—Held Under Advisement.
ALTERATIONS Cost, $3500
SAN LEANDRO, Alameda Co., Cal.
Alterations to one-story frame store building.
Owner—J. Herns.
Architect — Williams & Wastell, 374 17th St., Oakland.
Announcement will be made within a few days.

Contract Awarded.
STORE Cost, $10,000
SAN JOSE, Santa Clara Co., Calif. Chinese Section.
One-story store building (Modernistic design).
Owner—E. Morihire.
Architect—Not Given.
Contractor—V. J. Sunzeri, 176 N 31st St., San Jose.

17— THEATRES

COMPLETING PLANS
LOS ANGELEC, Cal.—Architect S. Charles Lee, 2404 W. Seventh St., is completing plans for a reinforced concrete theatre building to be built at 6675 Hollywood Blvd., for a client. Will seat 900 people and will contain four store rooms. Bids have been taken for wrecking the building on site. Cost $75,000. 7

18— WHARVES & DOCKS

Final Plans Completed.
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Cal.
New municipal yacht harbor (work includes approach trestle 850 feet in length; wharf, 250x40 feet; wood construction, creosoted piling, boat landing facilities, piling, filling, levee work, etc.)
Owner—City of Martinez.
Consulting Engineer—Lochiel M. King 1339 Grove St., Alameda.
Final plans have been approved by the City Council and have been sent to the San Francisco PWA office, and upon their approva l bids will be asked immediately.

CONTRACTS AWARDED
OAKLAND, Cal.—James T. Walsh, 167 Stratford St., Oakland, at $317 awarded contract for erection of structural steel and Judson Pacific Co., Ft. of Park Ave., Oakland, at $698 awarded contract for furnishing structural steel girders by City of Oakland Port Commission for construction of a mezzanine floor in Terminal Building "E" Outer Harbor, Oakland. Work involves approximately 4100 sq. ft. of floor space at the south end of the Pier.

19—MISC. CONSTRUCTION

BIDS REJECTED
GLENN COUNTY, Cal.—All bids received by the Board of Directors of the Glenn-Colusa Irrigation District, Willows, for the construction of a fish screen and fish screen cleaner in the intake of the pumping plant of the District near Hamilton City, Glenn County, have been rejected.
The season is too late to call for new bids this year.
M. A. Jenkins, 3560 Y St., Sacramento, at $14,340 submitted low bid for the fish screen and Link-Belt Co., 400 Paul Avenue, San Francisco, at $3800 submitted low bid for the cleaner. *

CONTRACT AWARDED
BERKELEY, Alameda Co., Calif.—California Corrugated Culvert Company, Fifth and Parker Streets, Berkeley, awarded contract by U. S. Forest Service Experiment Station, University of California, for furnishing:
(1) 4 cattle and horse troughs, 16-ft. long, 20-gauge, 400-gal. capacity, $103.56.
(2) 2 cattle and horse troughs, 2-ftt. long. galv. iron, 20-gauge, 200-gal. capacity, $31.72.
(3) 25 sheep troughs (consisting of 3-ft. sections) 22.9-in. dia., 11.4-in. deep, 20-gauge, galv. rust-resisting pure iron, $86.22.
Complete bids published Nov. 1.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other P ublic agencies.

SAN FRANCISCO CITY

SAN FRANCISCO—Until November 16, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for linoleum for the various city departments and institutions for a term of one year: December 1, 1934, to November 30, 1935. Specifications and proposal forms available from above office.

NAVY DEPARTMENT

WASHINGTON, D. C. — Bids will be received by the Bureau of Supplies and Accounts, Navy Department Washington, D. C., for furnishing miscellaneous supplies and equipment as follows:

CHAIRS, 75 aluminum adjustable lounging chairs; Mare Island; Sch. 3700; November 13.

CLOTH, 10,050 sq. ft. copper-nickle alloy wire cloth, and 10,050 sq. ft corrosion-resisting steel wire cloth; East or West Yards; Sch. 3669; November 16.

STEEL, shapes and sheets, black and galvanized; Mare Island; Sched. 3661; November 16.

STEEL, plates and sheets, black and galvanized; Mare Island; Sched. 3660; November 16.

STEEL, black and galvanized steel shapes; East and West Yards; Sch. 3658; November 16.

REFRIGERATORS, 10 refrigerating plants and spares; Mare Island; Sch. 3707; November 16.

EVAPORATORS, exhaust gas-heated evaporators and spares; Mare Island; Sch. 3684; November 20.

PUMPS, main condenser circulating pumps and spares; East and West Yards; Sch. 3689; Nov. 20.

FORGINGS, steel forgings for turbine rotors; Mare Island and Puget Sound; Sched. 3671; November 20.

CASTINGS for casings for turbines; Mare Island and Puget Sound; Sched. 3670; November 20.

Specifications obtainable from above office. *

RECLAMATION SERVICE

BOULDER CANYON, Nev. — Until November 16, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 635-D, for furnishing miscellaneous steel for generator room crane runway catwalk for installation in the Boulder Power Plant, Boulder Canyon Project.

Plans and specifications obtainable from the above office without charge to prospective bona fide bidders; to others, $0.50, not returnable.

BOULDER CANYON, Nev. — Until November 19, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 634-D, for furnishing four structural steel bridge spans, including pings, anchorages, anchor bolts, base plates, expansion joints and all other appurtenantt parts and cast steel shoe castings, rocker castings and toothed expansion castings for the four structural steel spans for intake towers at Boulder Dam. The material will be installed by the Government.

Plans and specifications obtainable from the above office without charge to prospective bona fide bidders; to others, $1.00, not returnable.

BOULDER CANYON, Nev. — Until November 19, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 633-D, for one station service penstock for installation at Boulder Power Plant, Boulder Canyon Project. The penstock will be installed by the Government.

Plans and specifications obtainable from the above office without charge to prospective bona fide bidders; to others, $0.75, net returnable.

OGDEN, Utah.—Until Nov. 22, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 636-D, for 8- 12- 16- and 20-inch collecting system piping with reducers flanges, lateral and vent pipe connections, well top assemblies, bulkheads, test heads, gaskets and bolts, and sleeve type couplings for the Ogden City water supply at Pine View Dam, Ogden River Project, Utah. The material will be installed by the Government.

Plans and specifications obtainable from the above office without charge to prospective bona fide bidders; to others, $0.75, net returnable.

NEVADA COUNTY

GRASS VALLEY, Nevada Co., Cal. Until November 13, 7:30 P. M., to be opened at 8 P. M., bids will be received by the Grass Valley City Council, John Fontz, Superintendent of Public Works; Francis Hussey, City Clerk, for furnishing 2250 ft. 10-in. bel and cast iron pipe; 950 ft. 8-in. do; 50 ft. 6-in. do; 50 ft. 4-in. do, and miscellaneous fittings, including reducers, tees, gate valves, and three tons of pig iron.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until Nov. 14, 4 P. M., bids will be received by the Los Angeles Board of Education Purchasing Bureau, 1445 S. San Pedro St., Los Angeles, for the rental of equipment as follows:

BID No. 1412-9: Two 5-ton truck cranes for approximately 160 hrs.
BID No. 1413-3: Twelve 5-ton dump trucks for approximately 1771 hrs.
BID No. 1681-A: One 2-gun air compressor for approximately 48 hrs.
BID No. 1680-A: One 5-ton truck crane or Caterpillar type crane for approximately 48 hours.
BID No. 1399-A: One 2-gun air compressor for approximately 144 hrs.
BID No. 1687-A: Two 2-gun air compressors for approximately 360 hours.
BID No. 1684-A: Two 2-gun air compressors for approximately 450 hours.
BID No. 1686-A: One 5-ton truck crane for approximately 180 hours.
BID No. 1683-A: One 5-ton truck crane or Caterpillar type crane for approximately 200 hours.
BID No. 1685-A: Ten 5-ton dump trucks for approximately 1600 hrs.
BID No. 1682-A: Eight 5 - ton dump trucks for approximately 1400 hrs.
BID No. 1402-A. Eight 5 - ton dump trucks for approximately 1375 hrs.
BID No. 1679-A: Six 5-ton dump trucks for approximately 700 hrs.
BID No. 1409-A: One 5 - ton truck crane for appoximately 70 hous.
BID No. 1400-A: Two 2-gun compressors for approximately 450 hours.
BID No. 1401-A: One 5-ton truck crane for approximately 160 hours.
BID No. 1408-A: Two 2-gun compressors for approximately 140 hours.

Specifications obtainable from above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until November 13, 2 P. M., bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, for furnishing:

BID No. 1401: 1 oxy-acetylene welding equipment, f.o.b. bidder's shipping point and/or Lemon Cove.
BID No. 1403: 1 lot No. 3 Redwood, f. o.b. bidder's shipping point and/or Willits.
BID No. 1404: 17,493 bd. ft. white or Douglas fir, for Yuba River Bridge at Rices Crossing, F. o.b. bidder's shipping point and/or bridge site, about 12 miles from Grass Valley near Bridgeport and across the Middle Fork of the Yuba River.

Specifications obtainable from above office.

SAN FRANCISCO—Until November 19, 2 P. M., bids will be received by the U. S. Forest Service, 85 Second St., San Francisco, for furnishing 13 truck trailer units complete with full oscillating fifth wheel, tandem axles and wheels, air acutated mechanical brakes, etc.

Specifications obtainable from Rm. 312, 85 Second St.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until Nov. 14, 8 P. M., bids will be received by East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing cast iron flange pipe and fittings under Proposal No. LS 132, as follows:

(1) 34 lengths, 20-in. dia. Class "D" flange pipe, 12-ft. long;
(2) 2 lengths, do, 5-ft. long;
(3) 4 lengths, do, 37-degree flanged short radius elbows;
(4) 18 20-in.. flange ball and spocket flexible joints;
(5) 6 20-in. flange expansion joints.

Specifications obtainable from above office. *

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Nov. 16, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1296, for furnishing 38,500 feet of lead covered cable.

Specifications obtainable from above office.

OAKLAND CITY

OAKLAND, Cal.—Until November 13, 4 P. M., bid opening date postponed from October 29, bids will be received by the Board of Port Commissioners of the City of Oakland, A. H. Abel, Secretary, Room 73, Grove St. Pier, for one 3-ton lift truck.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

PEND OREILLE COUNTY, Wash.—Until November 20, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for clearing, grading, draining, surfacing with crushed stone and constructing two treated pile and timber trestles (one 46.5 ft. and one 49 ft. long) on about 3.0 miles of State Road No. 6, Tiger to Ione, U.S.P.W. Project No. NRS 193-D (1935) in Pend Oreille County. The work involves about 6 acres clearing; 92,980 cu. yds. excavation; 24,360 cu. yds. gravel borrow; 8900 cu. yds. crushed stone surfacing; 2552 lin. ft. cable guard rail Design No. 6; 4 M.B.M. timber and plank (untreated); 1550 lin. ft. treated piling and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

WHATCOM COUNTY, Wash.—Until November 20, 10 A. A., bids will be received by L. V. Murrow, Director of Highways, Olympia,, Washington for the construction of a treated pile and timber trestle with a concrete deck, 127 ft. long, over the tracks of the C. M. St. P. & P. R. R. Company on State Road No. 1 (Bellingham-Austin Pass Branch) near Goshen, U.S.P. W. Project No. NRS 202-B (1935), in Whatcom County. The work involves about 80 cu. yds. concrete; 27 M.B.M. timber and plank (treated); 1360 lin. ft. treated piling; 15,000 lbs. steel reinforcing bars and other items.

Plans and specifications obtainable from above office upon deposit of $2.

DAY LABOR

VENTURA, Ventura Co., Cal.—Construction of the Eliseo Creek Bridge in Wheeler Canyon by day labor was ordered by Ventura County Board of Supervisors November 2. All bids were rejected. Proposals were submitted as follows:

E. G. Perham, Los Angeles	$2,670
R. D. Paterson, Santa Barbara	3,263
Pan-Pacific Piling & Const. Co., Los Angeles	3,740
D.O.C. Const. Co., Santa Barbara	4,086

The proposed bridge will involve:
(1) 350 c.y. road embankment;
(2) 3 c.y. concrete footings;
(3) 700 l.f. creosoted piles;
(4) 16,500 ft. BM timber;
(5) 720 sq. ft. bridge surfacing;
(6) 1,500 sq. ft. road surfacing.

PLANS APPROVED

PITTSBURG, Contra Costa Co., Cal.—The Pittsburg City Council has approved plans for a pedestrian subway to be constructed under Tenth Street at the intersection of Black Diamond Ave. Estimated cost, $6,000. Project financed by gas tax allotment and will be constructed under supervision of the State Division of Highways.

VENTURA, Cal.—E. S. and N. S. Johnson, 424 N. Lake Ave., Pasadena, submitted low bid to the Ventura County Board of Supervisors, November 2, for constructing two bridges on Santa Ana Creek, as follows:
(1) Dunshee Bridge at $4238.
(2) Santa Ana Road Bridge at $4491.

J. T. Immel Ventura submitted low bid on the earth fill approaches and oil mix surfacing at $5307.50 involving:
(3) 12800 cu. yds. excavation;
(4) 33100 sq. ft. oil mix surfacing.

E. S. and N. S. Johnson, Pasadena, (1) $4238; (2) $4491; (3) $0.50; (4) $0.025.
Pan-Pacific Piling & Constr. Co., Los Angeles, (1)$4560; (2) $4720; (3) .37; (4) .0225.
E. Perham, Los Angeles, (1)$4719; (2) $4919; (3) no bid; (4) no bid.
J. T. Immel, Ventura, (1) $4900; (2) $4700; (3) .35; (4) .025.
C. Bongiovanni, Hollywood (1) $4939 (2) $4959; (3) .55; (4) .07.
Wm. Hess, Los Angeles, (1) $5000; (2) $4583; (3) .55; (4) .03.
D. O. C. Constr. Co., Santa Barbara, (1) $5600; (2) $5500; (3) .375; (4) .035.
Robert D. Paterson, Santa Barbara, (1) $6873.93; (2) $6873.93; (3) .35; (4) .0225.

All bids held under advisement.

CONTRACT AWARDED

BAKER COUNTY, Ore.—Averill & Philpott, Route 10, Portland, at $11,186 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for the construction of a bridge over Burnt River and approaches thereto on the Baker-Unity Highway, U. S.P.W. Project No. NRS 235-A.

The other bids were:
R. H. Jones, Baker $11,428.50
R. F. Nichol, Vale 11,778.00

CONTRACT AWARDED

SOLOMONSVILLE, Ariz. — William Peper Const. Co., Box 1564, Phoenix, at $7,982.50 awarded contract by the Arizona State Highway Commission, Phoenix, for widening two concrete bridges at sites within one-half mile of the town of Solomonsville on the Geronimo-Solomonsville Highway, N R H 67 (AFE 1804).

CONTRACT AWARDED

SACRAMENTO COUNTY, Cal.—C. A. Lauritzen, 300 E St., Antioch, at $11,769 awarded contract by the State Highway Commission, Sacramento, for the construction of repairs to two bridges near Walnut Grove, one across Georgina slough and the other across North Fork of the Mokelumne river in Sacramento county.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

ASTORIA, Oregon.—Parker-Scharm Co., 913 Couch Bldg., Portland, Oregon, at $7560 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-241, for furnishing and placing stone in revetment along the south side of the existing track on Sand Island and connecting with the east end of the existing revetment east of dike No. 111-2, in the Columbia River, about 10 miles below Astoria.

Tidepoint Co., 222 Astor Bldg., Astoria, at $7896 submitted only other bid. Engineer's estimate $7224.

CONTRACT AWARDED

SACRAMENTO, Cal.—Basalt Rock Co., Inc., 900 Eighth St., Napa, at $18,720 awarded contract by the U. S. Engineer Office, Sacramento, under Spec. No. 6752, for furnishing, delivering and placing approximately 7,800 tons of rip-rap stone along the banks of the Sacramento river in the vicinity of Chicory and Oak Hall bends, approximately 3.5 to 5.5 miles below the "M" Street bridge, in Sacramento.

CONTRACT AWARDED

SACRAMENTO, Cal.—D. McDonald, 204 23rd St., Sacramento, and Poulos & McEwen, 2522 17th St., Sacramento, at $22,960 awarded contract by the U. S. Engineer Office, Sacramento, for raising and strengthening an existing levee on the easterly side of the Sacramento river between Colusa and Butte Slough for a distance of about 3,850 feet, involving the moving of approximately 82,000 c.y. of earth.

BIDS WANTED

SAN DIEGO, Cal.—Until Nov. 13, 11 A. M., bids will be received at Headquarters, 11th Naval District, foot of Broadway, San Diego, G. D. Wetsel, Lieut.-Comdr., Assistant Public Wks Officer, under Spec. No. 7832, for the renewal of pipe supports on pier at the Naval Operating Base (Fuel Depot) San Diego. The work consists of the provision and installation of 29 steel A-frame pipe supports to replace existing wood supports on the deck of the pier. The supports carry a 10-in. oil line, a 5-in. steam line, a 2½-in. condensate return line, and two 2-in. electric conduits. The supports vary in height above the pier deck from about 21- to 47-in. Work also includes insulation removal from about 450 ft. of steam line and insulation from about 450 ft. of the return line, and the provision and installation of new lagging on steam line only, to replace that removed.

Plans and specifications obtainable from the above office upon deposit of $10.00.

23— IRRIGATION PROJ.

BIDS WANTED

ASHUELOT, Mont.—Until Nov. 27, 10 A. M., bids will be received by Bureau of Reclamation, Fairfield, Mont., under Spec. No. 596, for the construction of earthwork and structures, Mill

Coulee Canal, Station 326 to Station 564, and laterials and sub-laterals, Greenfields division, Sun River project, Montana. The work is located near Ashuelot, and involves:

(1) 124,000 c.y. all classes of excavation for canal and laterals;
(2) 5,200 c.y. all classes of excavation for structures;
(3) 15,600 sta. c.y. overhaul;
(4) 2,250 c.y. backfill;
(5) 1,460 s.y. concrete in structures;
(6) 650 sq. yds. of grouted paving;
(7) 100 sq. yds. of dry rock paving;
(8) placing 97,000 lbs. reinf. bars;
(9) laying 1,200 l.f. of 18- to 30-in. diameter concrete pipe;
(10) laying 924 l.f. of 15- to 36-in. corrugated metal pipe;
(11) erecting 5 MFBM of timber in bridge;
(12) installing 20,000 lbs. of gates and misc. metal work.

Plans and specifications obtainable from the Bureau of Reclamation at Fairfield, Montana; Denver, Colo.; or Washington, D. C., without charge to prospective bidders; to others, $2.00 not returnable.

BIDS REJECTED

EPHRAIM, Utah.—All bids received by the Bureau of Reclamation, Salt Lake City, October 18, for the construction of the Ephraim Tunnel near Ephraim, Utah, under Spec. No. 587, have been rejected.

W. W. Clyde & Co., Springville, Utah, at $173,380 submitted low bid.

New bids will be called.

BIDS WANTED

OWYHEE PROJECT, Oregon-Idaho. —Until Dec. 3, 10 A. M., bids will be received by the Bureau of Reclamation, Ontario, Oregon, under Spec. No. 600, for the construction of earthwork and structures, North Canal, Station 2283 to Station 3703, Dead Ox Flat Division, Owyhee Project, Oregon-Idaho. The work is located near Ontario, Oregon, and involves:

(1) 800,000 c.y. all classes of excavation for canal;
(2) 25,000 c.y. all classes excavation for structures;
(3) 35,000 station c.y. overhaul;
(4) 31,000 c.y. blackfill;
(5) 1,790 c.y. concrete in structures;
(6) 1,350 sq. yds. dry rock paving;
(7) placing 140,000 lbs. reinf. bars;
(8) laying 5,880 l.f. of 15- to 60-inch diameter concrete pipe;
(9) erecting 37 MFBM timber in structures;
(10) installing 16,400 lbs. gates and gate hoists;
(11) installing 5,400 lbs. misc. metal work.

Plans and specifications obtainable from the Bureau of Reclamation at Ontario, Oregon; Denver, Colorado, or Washington, D. C., without charge to prospective bidders; to others, $2.00, not returnable.

PERMITS ISSUED

SACRAMENTO, Cal. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during the month of October, 1934:

4411, Application 7832 (Trinity County) issued to J. W. Charge, Chico, Calif., October 1, 1934, for 5.0 c.f.s. from west branch North Fork of Swift Creek, for mining and domestic purposes. Estimated cost $100.

4412, App. 7673 (El Dorado County) issued to Inez Roth, Randall, Calif., October 2, 1934, for 1600 gals. per day from an unnamed stream for domestic purposes.

4413, App. 8056 (Los Angeles County) issued to U. S.-Angeles National Forest, Los Angeles, Calif., October 2, 1934, for 3231 gals. per day from Clenega Spring for recreational and fire protection purposes. Estimated cost $100.

4414, App. 8057 (Los Angeles County) issued to U. S.-Angeles National Forest, Los Angeles, Calif., October 2, 1934, for 2585 gals. per day from Willow Spring for domestic and fire protection purposes. Estimated cost $100.

4415, App. 8052 (Riverside County) issued to County of Riverside, Riverside, Calif., October 8, 1934, for 0.04 cubic foot per second from an unnamed stream for recreational purposes. Estimated cost $800.

4416, App. 7326 (Alpine County) issued to S. C. Castleman and R. Franklin Weber, Gardnerville, Nevada October 10, 1934, for 3.0 c. f. s. from an unnamed stream for mining and domestic purposes. Estimated cost $10,000.

4417, App. 8054 (Placer County) issued to Fred W. Links and T. H. Mugford, Sacramento, Calif., October 11, 1934, for 5000 gals. per day from Lake Tahoe for domestic purposes. Estimated cost $800.

4418, App. 8021 (Plumas County) issued to G. C. Hawkins and L. H. Thayer, Quincy, Calif., October 11, 1934, for 2.0 c. f. s. from Onion Valley Creek for mining and domestic purposes. Estimated cost $1000.

4419, App. 7997 (Sutter County) issued to Ella Blackmer Fesler, Meridian, Calif., October 16, 1934, for 0.3 cubic foot per second from Sacramenta River for irrigation of 18 acres. Estimated cost $1200.

4420, App. 7217 (Nevada County) issued to Harry Ramsden, North San Juan, Calif., October 20, 1934, for 9.5 acre feet per annum storage from a small unnamed Gulch for domestic purposes and irrigation of 30 acres.

4421, App. 7648 (Trinity County) issued to Harold L. Smith, Fortuna, Calif., October 23, 1934, for 3.0 cubic feet per second from an unnamed creek for mining purposes. Estimated cost $500.

4422, App. 7944 (Yuba County) issued to Emma A. Ford, Walnut Creek, Calif., October 23, 1934, for 2600 gals. per day from Mosquito Creek for domestic purposes. Estimated cost $125.

4423, App. 8048 (Siskiyou County) issued to H. G. Fischer, Dunsmuir, Calif., October 24, 1934, for 16,000 gals. per day from Bransteeter Creek for irrigation of 0.75 acre. Estimated cost $600.

4424, App. 8038 (Los Angeles) issued to C. A. Swanson, Castaic, Calif., Oct. 25, 1934, for 0.11 cubic foot per second from an unnamed spring for recreation and domestic purposes. Est. cost $1000.

4425, App. 7850 (San Mateo County) issued to G. Patroni, Halfmoon Bay, Calif., October 25, 1934, for 40 acre feet per annum storage from San Vicente Creek for irrigation of 40 acres. Estimated cost $750.

4426, App. 7634 (Siskiyou County) issued to Liberty Placer Gold Mining Co., Los Angeles, Calif., October 25, 1934, for 20.0 cubic feet per second from Jackass Gulch for mining and domestic purposes.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SACRAMENTO, Cal. — Following bids received by the State Purchasing Agent, Sacramento, for furnishing one concrete mixer under Quotation No. 15157, Requlsition No. 6976:

Bevis Machinery Co., $248.33; 5% 30 days.
Smith, Booth, Usher Co., $298; 5%, 10 days.
Brown Bevis, $251.90; 2% 30 days.
Crook Co., $289.25; 2% 30 days.
Harron, Rickard & McCone, $280.75; 4% 10 days.

Bids held under advisement.

28—FIRE EQUIPMENT

BIDS WANTED

SANTA BARBARA, Cal.—Until November 15, 1:30 P. M., bids will be received by the Santa Barbara City Council for furnishing 1,000 ft. of 2½ inch fire hose. Certified check or bidder's bond, 10%. Carl E. Hasse, City Purchasing Agent.

30—RESERVOIRS & DAMS

CONTRACT AWARDED

SANTA CLARA COUNTY, Cal.—Carl N. Swenson Co., 355 Stockton Ave., San Jose, at $100,943.10 awarded contract by the Board of Directors of the Santa Clara Valley Water Conservation District, Room 62, Grant Bldg., San Jose, for the construction of the Vasona Dam and Canal.

31—PIPE LINES & WELLS

BIDS WANTED

SAN FRANCISCO —Until Nov. 23, 3 P. M., bids will be received by the Public Utilities Commission, Room 282, City Hall, for the construction of Tunnel No. 1-B of the Lower Cherry Aqueduct under Hetch Hetchy Water Supply Contract No. 151.

Under this contract a tunnel 2910 feet in length is to be constructed to replace an existing wood flume of the Lower Cherry Aqueduct in Tuolumne County.

The work involves:

(1) 6,900 c.y. tunnel excavation;
(2) 5 MFBM permanent timbering in tunnel;
(3) 200 c.y. concrete lining in tunnel;
(4) 20 c.y. excavation in open cut and above ground surface;
(5) 10 c.y. concrete do;
(6) 20 bbls. extra cement in concrete;
(7) 5,000 lbs. reinforcing steel;
(8) 5,000 lbs. placing metal work furnished by the City.

L. T. McAfee, Engineer. Plans and specifications obtainable at Room 609, 425 Mason Street, upon deposit of $10.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

SAN FRANCISCO—Until November 21, 2:30 P. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Rm. 251, City Hall, for the construction of the Merced Lands sewer, northwest of Lake Merced off Sloat Blvd. The work involves:

(1) 2898 lin. ft. 5-ft. circular reinforced concrete sewer;
(2) 11 brick or concrete manholes;
(3) 1715 lin. ft. removing existing 24-in. cast iron pipe;
(4) 2898 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock.

ALTERNATIVE BID ITEMS

(1a) 2559 lin. ft. 5-ft. centrifugal concrete pipe sewer;
(1b) 339 lin. ft. 5-ft. circular reinforced concrete sewer (monolithic section);
(2) 11 brick or concrete manholes;
(3) 1715 removing existing 24-in. cast iron pipe;
(4) 2898 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock.

Estimated cost $68,000. The work will be financed by a PWA allocation.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall, upon deposit of $10.

CONTRACT AWARDED

SAN FRANCISCO. — Anderson and Rowe, 45 Belcher Street, at $9,880.00 awarded contract by the Department of Public Works, City Hall, for the installation of a pump and auxiliary equipment for the Commercial Street sewage pumping station.

BIDS WANTED

PARKER DAM—Sewer system for Government Camp. See item under 29.

AWARD RECOMMENDED

LOS ANGELES, Cal.—The Los Angeles Board of Public Works, has recommended to PWA Engineer A. D. Wilder that contracts for the construction of Unit 2A of the Terminal Island Outfall Sewer with force main and clarifier, PWA Project 5633, be awarded as follows:

Bebek & Brkich, 421 N. Record St., Los Angeles, and Artukovich Bros., 912 Altantic Blvd., Clearwater, for items 1a and 1b, at $5,055.

Fred W. Weber, 8442 California Avenue, South Gate, for items 2a and 3, at $19,600.

Complete bids published Oct. 26.

BIDS WANTED

FRESNO, Fresno Co., Calif.—Until November 15, 11 A. M., as previously reported, bids will be received by the Fresno City Council, H. S. Foster, City Clerk, in the Council Chamber of the City Hall, for the construction of a storm sewer in the Central District, PWA Project 6751-2.

The work involves:

(1) 1,673 l.f. 30-in. concrete pipe;
(2) 951 l.f. 24-in. concrete pipe;
(3) 30 l.f. 24-in. concrete pipe with concrete covering;
(4) 625 l.f. 12-in .sewer pipe;
(5) 72 l.f. 8-in. sewer pipe;
(6) 7 concrete manholes;
(7) 7 concrete sidewalk inlets;
(8) 1 special sidewalk inlet;
(9) 2 manhole inlets.

Certified check or bid bond for 10%. from the above office.

Plans and specifications obtainable

33— WATER WORKS

BIDS OPENED

LOS ANGELES, Calif. — Following bids received by D. P. Nicklin, Purchasing Agent, Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, November 2, for furnishing fire hydrants under Spec. No. 1538, as follows:

(1) For 100 only 2½-in. single outlet standard pressure fire hydrants complete.

(2) For 80 only 2½x4-in. double outlet standard pressure fire hydrants, complete.

Delivery to be made at 410 Ducommun Street.

The bids were:

Long Beach Iron Works, (1) $39.36; (2) $47.14; (Discount) 2%, 10 days.

Rich Mfg. Co., (1) $39.25; (2) $47.14; 2% 10 days.

M. Greenberg's Sons, (1) $42.66; (2) $51.30; 2% 30 days.

Midwest Piping & Supply Co., (1) $41; (2) $50; 2% 30 days.

Los Angeles Rubber and Asbestos Works, (1) $47; (2) $56.50; 2% 30 days.

Enterprise Foundry, (1) $39.50; (2) $49.75; ½% 30 days.

Alhambra Foundry, (1) $48.60; (2) $58.20; 2% 10 days.

All bids held under advisement.

BIDS WANTED

SAN FRANCISCO.—Until Nov. 23, 3 P. M., bids will be received by the Public Utilities Commission, Room 282, City Hall, for the construction of the Irvington Portal Chlorinating Plant under San Francisco Water Department Spec. No. 67.

Under the proposed contract, a chlorinator house, a pump house, 3 redwood tanks and certain roadways are to be constructed near the Irvington Portal of the Coast Range Tunnel, located about 1½ miles north of the town of Mission San Jose, Alameda County.

The chlorinator house and the pump house are to be of wood frame construction with cement plaster and stucco finish and tile roof.

The work involves:

(1) 1000 c.y. roadway excavation;
(2) 250 c.y. structural excavation;
(3) 250 c.y. crushed gravel or broken stone roadway surfacing;
(4) 40 c.y. concrete;
(5) constructing chlorinator house about foundation;
(6) constructing pump house above foundation;
(7) installing pumps and furnishing and installing misc. pipe and fittings;
(8) 1200 l.f. installation of 4-in. pipe furnished by city;
(9) electrical work;
(10) furnishing and erecting 3 redwood tanks;
(11) 320 l.f. constructing redwood trough and installing chlorine solution hose;
(12) 100 l.f. furnishing and installing 10-in. corrugated iron culverts.

N. A. Eckart, Chief Engineer. Plans and specifications obtainable at Room 605, 425 Mason Street, under deposit of $10.00.

34 — PARKS AND PLAYGROUNDS

BIDS OPENED

SAN FRANCISCO—Max Rosenberg, 1355 California St., at $.64 per cu. yd. submitted low bid to Purchasing Department, for furnishing 3000 to 4500 cu. yds. of loam for the Golden Gate Park. Complete bids follow:

	Per cu. Yd.
Max Rosenberg	$.64
Devincenzi & Sons	.78
L. Devincenzi	.80

Bids held under advisement.

BIDS WANTED

SAN JOSE, Santa Clara Co., Cal.—Until November 14, bids will be received by the Custodian, U. S. Post Office, for seeding and planting the grounds at the U. S. post office in San Jose.

CONTRACT AWARDED

ROSEBURG, Ore.—U. S. Veterans' Administration awarded a contract to Villa Nurseries, P. O. Box 5125, Portland, at $7,979 for landscape planting, etc., at the U. S. post office at Roseburg.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

MORROW COUNTY, Ore. — Fisher Bros., Oregon City, at $32,866 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for 3.1 miles grading and 6.2 miles surfacing on the Hardman-Chapin Creek Section of Heppner-Spray Secondary Highway, USPW Proj. Nos. NRS 218-A and NRS 218-B. The other bids were:

Joplin & Eldon, Portland	$35,022.00
Saxton & Looney, Corvallis	36,166.00
Berke Bros., Inc., Portland	36,573.00
Theo. Arenz, Portland	37,295.00
E. L. McNutt, Eugene	37,730.00
Itschner & Rigdon, Barlow	38,030.00
Haskin & Broks Const. Co., La Center, Wash.	38,847.60
Coos Bay Const. Co., Portland	39,330.00
Schmitt Const. Co., Portland	41,421.00
Clifton & Applegate, Spokane	42,767.50
E. C. Hall, Eugene	43,737.50
E. Hefty, Portland	44,814.00
Kern & Kibbe, Portland	45,036.00
United Contr. Co., Portland	48,772.50
F. C. Dillard, Medford	48,870.00

CONTRACT AWARDED

MALHEUR COUNTY, Cal.—O. N. Pierce and M. L. O'Neil & Son, 1300 NE Union, Portland, at $35,342 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for 5.86 miles grading on the Blue Mountain Pass Section of the I. O. N. Highway, U. S. P. W. Project No. FLH 3-C. The other bids were:

Joplin & Eldon, Portland	$36,993
Dunn & Baker, Klamath Falls	38,547
J. A. Terteling & Sons, Boise	46,386
E. L. McNutt, Eugene	49,270

BIDS WANTED

CHURCHILL COUNTY, Nevada—Until Nov 14, 2 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Churchill County, bet. Eastgate and 8 miles east, Route 2, Section F, a length of 8.03 miles. The work involves:

(1) 292 lin. ft. remove culvert pipe;
(2) 32 each remove culvert headwalls
(3) 105,300 cu. yds. roadway excavation;
(4) 88,955 sta. yds. overhaul;
(5) 19,063 cu. yds. select borrow;
(6) 930 cu. yds. structure excavation
(7) 8.03 mi. subgrade;
(8) 8.03 mi. finish roadway;
(9) 33,400 tons crushed gravel or stone surface;
(10) 78 cu. yds. Class A concrete;
(11) 54 cu. yds. Class B concrete;
(12) 6706 lbs. reinforcing steel;
(13) 134 lin. ft. 15-in. C.M.P.;
(14) 836 lin. ft. 18-in. C.M.P.;
(15) 422 lin ft. 24-in. C.M.P.;;
(16) 258 lin. ft. 36-in. C.M.P. ;
(17) 650 cu. yds. hand laid riprap;
(18) 136 lin. ft. relay culvert pipe;
(19) 4712 lin. ft. guard rail;
(20) 86 each monuments;
(21) Force Acct. miscellaneous items;
(22) 1448 M. gals water.

Plans and specifications obtainable from above office upon deposit of $5, $2.50 returnable, and on file at the office of the Bureau of Public Roads, 461 Market St., San Francisco.

CONTRACT AWARDED

SAN LUIS OBISPO CO., Calif.—Young & Son Co., Ltd., 599 Colusa Ave., Berkeley, at $119,606.65 awarded contract by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for grading Section A of Route 84, the Morro Bay National Forest Highway, Santa Barbara National Forest, San Luis Obispo County.

LOW BIDDER

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 L. A. Railway Bldg., Los Angeles, at $7350.20 submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer, State Bldg., Los Angeles, for about 0.3 mile to be graded and paved with ashpalt concrete in the City of Los Angeles, between the Los Angles City Pumping Plant and West Channel Road.

CONTRACT AWARDED

SANTA BARBARA COUNTY, Cal.—Hanrahan-Wilcox Corp., 814 Hobart Bldg., San Francisco, at $375,983.25

awarded contract by the State Highway Commission at Sacramento, for about 3.8 miles of grading and paving with Portland cement concrete in Santa Barbara County between Gaviota Creek and Nojoqui Creek.

BIDS WANTED

HUMBOLDT COUNTY, Nevada—Until November 14, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Humboldt County between Winnemucca and Toll House, Route 8, Section A2, a length of 11.74 miles. The work involves:

(1) 268 lin. ft. remove culvert pipe;
(2) 18 each remove culvert headwalls;
(3) 59,200 cu. yds. roadway excavation;
(4) 30,317 sta. yds. overhaul;
(5) 10,694 cu. yds. select borrow;
(6) 1300 cu. yds. structure excav.;
(7) 11.74 miles subgrade;
(8) 11.74 miles finish roadway;
(9) 44,900 tons crushed gravel or stone surface;
(10) 219 cu. yds. Class A concrete;
(11) 35 cu. yds. Class B concrete;
(12) 24,000 lbs. reinforcing steel;
(13) 82 lin. ft 15-in. C.M.P.;
(14) 846 lin. ft. 18-in. C.M.P.;
(15) 564 lin. ft. 24-in C.M.P.;
(16) 254 lin. ft. 30-in. C.M.P.;
(17) 186 lin. ft. 36-in. C.M.P.;
(18) 222 lin ft. relay culvert pipe;
(19) 74 each move pipe culvert headwalls;
(20) 84 each monuments;
(21) 2430 lin. ft. brush fence.

Plans and specifications obtainable from above office upon deposit of $5; $2.50 returnable, and on file at the Bureau of Public Roads Office, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS WANTED

LYON COUNTY, Nevada — Until November 14, 3 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the construction of a portion of the State Highway System in Lyon County, between Wabuska and 8 miles north, Route 28, Section B, a length of 8.54 miles. The work involves:

(1) 468 lin. ft. remove culvert pipe;
(2) 75,700 cu. yds. roadway excav.;
(3) 136,584 sta. yds. overhaul;
(4) 13,689 cu. yds. select borrow;
(5) 610 cu. yds. structure excav.;
(6) 8.54 miles subgrade;
(7) 8.54 miles finish roadway;
(8) 33,600 tons crushed gravel or stone surface;
(9) 25 cu. yds. Class B concrete;
(10) 525 lbs. reinforcing steel;
(11) 1.5 MFBM redwood;
(12) 256 lin. ft. 18-in. C.M.P.;
(13) 308 lin. ft. 24-in. C.M.P.;
(14) 164 lin. ft. 30-in. C.M.P.;
(15) 166 lin. ft. 36-in. C.M.P.;
(16) 94 lin. ft. 2-ft. x 2-ft. laminated culverts;
(17) 38 lin. ft. 4-ft. x 3-ft. laminated culverts;
(18) 73 lin. ft. 6-ft. x 4-ft. laminated culverts;
(19) 450 lin. ft. relay culvert pipe;
(20) 80 each monuments;
(21) Lump sum, remove railroad track.

Plans and specifications obtainable from above office upon deposit of $5; 2.50 reteurnable, and on file at the Bureau of Public Roads Office, 807 Sheldon Bldg., 461 Market St., San Francisco.

CONTRACT AWARDED

SAN FRANCISCO — Meyer Rosenberg(255 Bay Shore Blvd., San Francisco, at $1735.02 awarded contract by the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco, for road construction at the Hospital.

BIDS WANTED

PARKER DAM—Until November 26, 10 A. M., bids will be received by the Bureau of Reclamation, Metropolitan Water District Camp No. 1, Earp, Calif., S. O. Harper, Acting Chief Engineer, under Specifications No. 638-D for performing all work for the street, alley, parking area, and sidewalk grading; street, parking area, and sidewalk surfacing; the construction of curbs, sewer and water systems, drainage channels, and an electrical distribution system for the Government camp at Parker Dam, California-Arizona.

The work is located about 16 miles northeast of Earp, Calif., and involves:

(1) 14,500 cu. yds. all classes of grading and structure excavation;
(2) 200,000 station cu. yds. of overhaul;
(3) 11,125 lin. ft. of trench for water and sewer pipes;
(4) 60 cu. yds. of concrete;
(5) 300 cu. yds. of riprap;
(6) Laying 7140 lin. ft. of 4-in. to 10-in. diameter sewer pipe;
(7) Laying 5660 lin. ft. of ¾-in. to 6-in. diameter water pipe;
(8) Constructing 9 sewer manholes;
(9) Installing 47 corporation cocks, curb stops, and service boxes;
(10) Installing 6 fire hydrants;
(11) Placing 2000 lbs. of reinforcement bars;
(12) Laying 240 lin. ft of 12-in. and 18-in corrugated metal pipe;
(13) Constructing 3400 lin. ft. timber curbs;
(14) Constructing 10,160 sq. ft. side walks;
(15) Placing 5530 sq. yds. street, alley and parking area surfacing;
(16) Drilling 60 ft. of 16-in. diameter water supply well;
(17) Constructing a pump house and installing pumps;
(18) Installing an electrical distribution system.

Plans and specifications obtainable from the Bureau of Reclamation at the Metropolitan Water District Camp No. 1, Earp, or at Denver, without charge to prospective bidders; to others, $2 not returnable.

CONTRACT AWARDED

ARIZONA STATE.—N. G. Hill and Co., 1145 W. Culver, Phoenix, at $79,-270, as previously reported, submitted low bid to the Arizona State Highway Commission, and awarded contract for improving the Ashfork-Kingman Highway (AFE 6627) NRH 80-H. The work, which is to begin about 32 miles northwest of Ashfork Junction, and extent about 9.8 miles northwesterly, consists of grading and draining the roadway.

BIDS WANTED

COWLITZ COUNTY, Wash.—Until November 20, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for the retopping of the existing pavement with asphaltic concrete on about 0.5 miles of State Road No. 1, and 0.1 mile of State Road No. 12, in the City of Kelso, U.S.P.W. Project No. NRM 147-F (1935) and NRM 167-F (1935) in Cowlitz County. The work involves about 842 tons of cold asphalt concrete pavement and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

WHATCOM COUNTY, Wash.—Until November 20, 10 A. M., bids will be received by L. V. Murrow, Director of Highway, Olympia, Wash., for paving with Portland cement concrete and retopping the existing pavement with asphaltic concrete on about 0.5 miles of State Road No. 1, State St., between Ivy and Holly St., in the City of Bellingham, U.S.P.W. Project No. NRM 17-C (1935) in Whatcom County. The work involves about 147 sq. yds. of cement concrete pavement; 1526 tons of cold asphalt concrete pavement and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

PIERCE COUNTY, Wash. — Until November 20, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for constructing a Portland cement concrete base and an asphaltic concrete pavement on about 1.3 miles of State Road No. 1, Union Avenue, between South 74th St. and South 54th St., in the City of Tacoma, U.S.P.W. Project No. NRM 171-D (1935) in Pierce County. The work involves about 746 cu. yds. of Portland cement concrete (base course); 4218 tons of cold asphalt concrete pavement, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

CONTRACT AWARDED

DOUGLAS COUNTY, Ore.—A. Milne 2753 NE Broadway, Portland, at $101-942.50 awarded contract by the Bureau of Public Roads, Portland, for 11.47 miles of surfacing and oiling on Diamond Lake Highway, FHEC-43-C4, National Forest Road Project, Rogue River and Umpqua National Forests, Douglas County, Oregon.

CONTRACT AWARDED

ORANGE COUNTY, Cal.—Sharp & Fellows Contracting Co., 533 Central Bldg., Los Angeles, at $165,487 awarded contract by the State Highway Commission, Sacramento, for about 3.4 miles of grading and paving with Portland cement concrete in Orange County between 0.4 mile east of Per-

CONTRACT AWARDED

LOS ANGELES COUNTY, Calif.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $38,522 awarded contract by the State Highway Commission, Sacramento, for about 0.6 mile grading and paving with asphalt concrete in Long Beach between Pacific Ave. and Olive Ave.

CONTRACT AWARDED

LANE COUNTY, Ore.—Theo. Arenz 1059 NE Sandy Blvd., Portland, at $162,446.60 awarded contract by the Bureau of Public Roads, Portland, for 2.317 miles of grading and 0.985 mile additional advance clearing on the Willamette Highway grading and advance clearing Project NR-21-H, National Forest Road Project, located in the Willamette National Forest, Lane County.

AWARD

SNOHOMISH CO., Wash.—Jas. Borin, 1920 SE 44th, Portland, at $44,-496.54 awarded contract by the Bureau of Public Roads, Portland, for 0.3559 miles of the South Fork Stillaguamish Highway Grading Project FHEC-7-C, National Forest Rd. Project, located within the Mt. Baker National Forest, Snohomish Co., Wash.

CONTRACT AWARDED

BOISE COUNTY, Idaho.—Triangle Const. Co., 1220 Ide. Spokane, at $57,-919.10 awarded contract by the Bureau of Public Roads, Ogden, Utah, for constructing, grading or improving the Idaho City-Stanley, Sta. 1398 plus 65 to Sta. 1479 plus 74, National

Forest Road Project FHEC 25-1, located within or partly within the Boise National Forest, Boise County, Idaho. The length of the project is approximately 1.56 miles.

CONTRACT AWARDED

SAN FRANCISCO.—Eaton & Smith, 715 Ocean Ave., at $867.72 awarded contract by the Department of Public Works, S. J. Hester, Chief Deputy Director, City Hall, for the improvement of Cayuga Avenue between Gorham St. and the easterly line of Milton St.

CONTRACT AWARDED

MONTEREY COUNTY, Cal.—L. A. Brisco, Arroyo Grande, at $6,795 was awarded contract by the State Highway Commission at Sacramento, for about 1.4 mile of bituminous surface treatment to be applied on Munras Ave., Abrego St. and Fremont St. in Monterey.

CONTRACT AWARDED

ARIZONA STATE.—Tanner & Hall, Phoenix, at $54,355 submitted low bid, as previously reported, and awarded contract by the Arizona State Highway Commission, Phoenix, for improving the Kingman - Boulder Dam Highway, NRS 102B. The work begins about 30 miles northwest of Kingman and extends northwest approximately nine miles, consisting of grad- and draining the roadway.

The other bids were:

Lee Moor Const. Co., El Paso, Texas	$64,093.28
Skousen Bros., Mesa, Ariz.	67,323.08
Packard De Witt, Phoenix	71,832.50
All-Arizona Engr. & Const. Co., Clifton	71,922.28
Del E. Webb, Phoenix	72,371.38
Daley, Vinson and Pringle, Phoenix	74,915.12
Heuser & Garnett, L. A.	81,751.76
H. J. Hagen, Globe	81,927.70
Phoenix - Tempe Stone Co., Phoenix	78,811.18

BIDS OPENED

UMATILLA and Union Cos., Ore.—A. Del Guzzo, 3702 W. Ida, Seattle, at $95,880 submitted low bid to the Bureau of Public Roads, Portland, October 31, for constructing or improving the Weston-Elgin grading project FHEC-37-A2, D, National Forest Rd. Project, located within the Umatilla National Forest, Umatilla and Union Counties, Oregon. The length of the project is approximately 7.4247 miles.

The other bids were:

Clifton-Applegate, Spokane	$112,797
E. L. McNutt, Eugene	116,428
F. C. Dillard, Medford	118,190
E. L. Gates, McCredie Springs, Oregon	119,335
Theo. Arenz, Portland	119,868
Triangle Const. Co., Spokane	124,364
Siems-Spokane Co., Spokane	124,476
Colonial Const. Co., Spokane	124,531
Myers & Goulter, Seattle	125,308
D. A. Sullivan & Co., & Wheeler & England, Spokane	127,657
Max J. Kuney, Spokane	129,052
Geo. F. Price, Dayton	130,298
A. C. Greenwood Co., Inc. Portland	131,627
L. Romano Engr. Corp., Seattle	132,347
Joplin & Eldon, Portland	133,464
Morrison-Knudsen Co., Boise	133,847

CONTRACT AWARDED

STOCKTON, San Joaquin Co., Cal.—George E. Murray, Route 1, Box 770 Modesto, at $25 per acre (Contract No. 1) and Rider & Patterson, 620 S. Regent St., Stockton, at $24.25 per acre (Contracts 2 and 3) awarded contract by Ohm & Raab, Civil Engineers, 109 E. Weber Ave., Stockton, for grading and leveling about 190 acres of land on Union Island for the Benetti ranch.

Complete bids follow:

E. H. Rider and Geo. Patterson, Stockton, (1) $30; (2) $27.25; (3) . .

George E. Murray, Modesto, (1) $25; (2) $30; (3) $25.

J. F. Gulley, Oakdale, (1) $38; (2) $37.50; (3) $34.50.

Biasotti-Willard & Biasotti, Stockton, (1) $40; (2) $40; (3) $40.

BONDS VOTED

CHULA VISTA, San Diego Co., Cal.—The $107,000 bond issue to finance a PWA loan and grant aggregating $140,000 for street paving and other improvements carried at the election October 31. 9

AWARD RECOMMENDED

MODOC COUNTY, Cal.—Award of a contract to R. R. Carlson, P. O. Box 407, Vallejo, at $68,113.70, for grading Section A of Federal Lands Highway Project No. 6, the Lava Beds Highway, Modoc County, and Section C of Route 11, the Lava Beds National Forest Highway, Modoc County, ha been recommended by District Engineer C. H. Sweetser, U. S. Bureau of Public Roads, San Francisco.

CONTRACT AWARDED

DESCHUTES COUNTY, Ore.—Berke Bros., Inc., 1404 SE 29th, Portland, at $59,282 submitted low bid and were awarded contract by the Oregon State Highway Commission, Portland, Nov. 1, for 6.62 miles of grading on Unit No. 4, Redmond-Bend Section of The Dalles-California Highway, U.S.P.W. Project No. NRH 123-D.

The other bids were:

Myers & Goulter, Seattle	$59,724.00
Kern & Kibbe, Portland	61,343.00
Dunn and Baker, Klamath Falls	61,960.50
Fisher Bros., Oregon City	67,281.50
C. H. Leonard, Albany	69,527.50
Coos Bay Const. Co., Portl'd	69,574.00
E. C. Hall, Eugene	72,074.50
E. Hefty, Portland	75,534.00
Joplin & Eldon, Portland	75,822.00
United Contr. Co., Portland	76,493.30
H. G. Johnson, Portland	79,759.50
E. . Gates, McCredie Springs	83,701.50
Earl L. McNutt, Eugene	91,142.50

BID OPENING POSTPONED

SAN MATEO, San Mateo Co., Cal.—All blds received by the San Mateo City Council November 5, for the construction of steel reinforced concrete arch culvert and wall, curb, paving, etc., on El Camina Real near Second Avenue were returned unopened. The project was postponed indefinitely.

BIDS OPENED

POLK COUNTY, Oregon—Following bids received by the Oregon State Highway Commission, Portland, Nov. 1, for 3.9 miles grading and surfacing and 7.8 miles oil mat surface treatment on the Yamhill River-Salt Creek Section of Dallas-Coast Secondary Highway, U.S.P.W. Projects Nos. NRS 215-A and NRS 215-C:

Theo. Arenz, Portland (1) road oil; $81,994; (2) tar $82,229.

Earl L. McNutt, Eugene (1) $83950.50 (2) no bid.

Harold Blake, Portland (1) $89,616.50; (2) no bid.

Joplin & Eldon, Portland (1) $89,889; (2) $90,399.

E. C. Hall, Eugene, (1) $91,794; (2) no bid.

Edlefsen-Weygandt Co., Portland, (1) $92,248; (2) $93,308.

F. C. Dillard, Medford, (1) $96,297.50; (2) $96,437.50.

United Contracting Co., Portland, (1) $96,311.90; (2) $96,641.90.

A. T. Dolan, Tillamook, (1) $97,276; (2) $97,312.

Fisher Bros., Oregon City, (1) $98,921; (2) $99,981.

Newport Constr. Co. and Kern & Kibbe, Portland, $99,455; (2) $101,-105.

E. Hefty, Portland, (1) $105,995; (2) $106,805.

All bids held under advisement.

CONTRACT AWARDED

ARIZONA STATE.—Lee Moor Contracting Co., 807 Bassett Tower Bldg. El Paso, Texas, at $36,766.03 awarded contract by the Arizona State Highway Commission, Phoenix, for about 4.2 miles of grading, draining, and placing base material and oil processing by the road mix method on the Ashfork-Jerome Highway.

CONTRACT AWARDED

KLAMATH COUNTY, Oregon—Von der Hellen & Pierson, Medford, at $140,356 awarded contract by Bureau of Public Roads, Portland, for 2.384 miles of constructin or improving the Crater Lake National Park, Rim Road PEC-7-C1, Unit 2, Grading, National Park Road Project located within the Crater Lake National Pork, Klamath County, Oregon.

CONTRACT AWARDED

WALLOW COUNTY, Oregon—Colonial Construction Co., W 326 First St., Spokane, at $62,510 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for 5.96 miles grading and construction of two reinforced concrete bridges on the Hayden Gulch-West Forest Boundary Section of Little Sheep Creek Secondary Highway, U.S.P.W. Project No. NRS 238. The other bids were:

Geo. F. Price, Dayton, Wash.	$66,054
Myers & Goulter, Seattle	68,550
Clifton & Applegate, Spokane	74,420
E. Hefty, Portland	77,188
Earl L. McNutt, Eugene	77,922
F. C. Dillard, Medford	78,008
Kern & Kibbe, Portland	94,384

BIDS OPENED

JACKSON COUNTY, Oregon—F. C. Dillard, Medford, Oregon, at $53,141 submitted low bid to the Bureau of Public Roads, Portland, November 2, for 1.2 mile grading and 1.375 mile advance clearing on the Tiller-Trail Highway, Grading Project FHEC-16-G National Forest Project, located within the Umpqua National Forest, Jackson County, Oregon. Complete bids follow:

F. C. Dillard, Medford	$53,141
E. Hefty, Portland	56,871
E. L. Gates, McCredie Springs	57,723
Coos Bay Constr. Co., Portland	59,711
A. C. Greenwood Co., Portland	67,386
Earl L. McNutt, Eugene	67,780
E. C. Hall, Eugene	68,346
E. F. Webber, Medford	69,162
United Contr. Co., Portland	70,367
Kern & Kibbe, Portland	71,344
Homer G. Johnson, Portland	75,733

CONTRACT AWARDED

BENSON, Ariz.—Borderland Const. Co., P. O. Box 905, Tucson, at $18,-544.30 awarded contract by the Arizona State Highway Commission at Phoenix, for street improvement in the town of Benson, NRM 18-E and NRM 79-D (AFE 501).

BIDS OPENED

CURRY COUNTY, Ore.—F. C. Dillard, Medford, Oregon, at $9,471 submitted low bid to the Oregon State Highway Commission, Portland, Nov. 1, for 0.42 mile of grading and surfacing on the Church Section of Cape Blanco Secondary Highway, U. S. P. W. Project No. NRS 210-B.

The other bids were:

Louis Johnson, Portland	$ 9,805.00
Coos Bay Const. Co., Portl'd	10,552.50
D. L. Ashton, Lebanon	11,378.00
Schmitt Const. Co., Portland	15,115.50
Earl L. McNutt, Eugene	16,146.00

CONTRACT AWARDED

DOUGLAS COUNTY, Ore. — A. S. Wallace, Roseburg, at $9,000 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for furnishing approximately 6,000 cu. yds. of crushed gravel in stock piles on the Mystic Creek-Winston Rock Production Project on the Coos Bay-Roseburg Highway (State project).

The other bids were:

A. T. Dolan, Tillamook	$ 9,720.00
Chas. H. Hoyt, Silverton	11,190.00
Schmeer & Williams, Portl'd	12,720.00
Northwest Roads Co., Portl'd	14,700.00
H. G. Johnson, Portland	15,600.00

CONTRACT AWARDED

JACKSON COUNTY, Oregon—Ed. F. Webber, Medford, Oregon, at $9,544.50 awarded contract by Oregon State Highway Commission, Portland, November 1, for 0.97 mile of grading on Unit No. 2, McCallister Section of Little Butte Secondary Highway, U. S. P. W. Project NRS 239-A.

D. L. Ashton, Lebanon, at $9179.50 submitted low bid but would accept award on only one contract, and was awarded contract on the 2.31 miles of grading in Benton County at $23,243.

Complete bids follow:

D. L. Ashton, Lebanon	$9179.50
Edward F. Webber, Medford	9544.50
R. I. Stuart & Sons, Medford	9769.00
Schmitt Const. Co., Portland	11,040.00
Earl L. McNutt, Eugene	11,571.00

BIDS OPENED

LOS ANGELES CO., Cal.—Oswald Bros., 366 E. 58th St., Los Angeles, at $85,504.90 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for 4.4 miles grading and paving with asphalt concrete in Los Angeles county between Newhall Tunnel and Saugus.

The other bids were:

Southwest Paving Co., L. A.	$92,601.65
Griffith Co., L. A.	96,362.00
G. R. Curtis Paving Co., Los Angeles	97,670.49
P. J. Akmadzich, L. A.	111,109.20

Unit bids will be given shortly.

CONTRACT AWARDED

BENTON COUNTY, Oergon.—D. L. Ashton, Lebanon, at $23,243 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for 2.31 miles of grading on the South Fork-Bummer Creek Section of the Alsea-Deadwood Secondary Highway, U. S. P. W. Project No. NRS 228-B.

The other bids were:

F. C. Dillard, Medford	$24,165.00
O. N. Pierce and M. L. O'Neil & Son, Portland	25,127.00
Earl . McNutt, Eugene	25,670.00
United Contr. Co., Portland	25,782.00
Haskin & Brooks Const. Co., La Center, Wash.	26,439.00
Edlefsen-Weygandt Co. Portland	26,977.50
Joplin & Eldon, Portland	28,268.00
Schmitt Const. Co., Portland	28,701.50
Kern & Kibbe, Portland	28,871.00
Fisher Bros., Oregon City	29,222.00
Berke Bros., Inc., Portland	29,403.00
Chas. H. Leonard, Albany	29,632.00
Saxton & Looney, Corvallis	30,436.00
Johnston, Hanson, Johnston, Birkenfeld	32,658.00
Slate Const. Co., Albany	34,232.00
Itschner & Rigdon, Barlow	36,676.50

BIDS WANTED

ARIZONA STATE.—Until Nov. 20, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Tempe-Mesa Highway, NRH 8 (AFE 8059). The work, which is located about 3 miles due west of Mesa, consists of widening one concrete bridge, replacing another conc. bridge with CMP and concrete pavement syab, and widening roadway shoulders.

The work involves:

(1) 40 c.y. roadway excavation;
(2) 150 c.y. structural excavation;
(3) 1,800 c.y. imported borrow (CIP);
(4) 107 c.y. Class A concrete;
(5) 7,150 lbs. reinforcing steel;
(6) 46 sq. yds. concrete pavement;
(7) 96 l.f. 30-in. CMP;
(8) sprinkling, rolling and incidental items.

Plans and specifications obtainable from the above office. T. S. O'Connell, State Highway Engineer. Funds have been programmed for the construction of this project in the amount of $20,000.

BIDS WANTED

SUTTER COUNTY, Cal.—Until Nov. 28, 2 P. M., bdis will be received by the State Highway Commission, Sacramento, for about 2.3 miles in length to be surfaced with crushed run base in Sutter County between three miles north of Knight's Landing and Robbins.

The work involves:

(1) 125 stations grader work;
(2) 10,000 tons crusher run base;
(3) 315 M. gals. water;
(4) 62 tons fuel oil;
(5) 200 tons crushed gravel or stone (bituminous treated surfacing);
(6) 10 tons cutback asphalt (do);
(7) 500 c.y. imported borrow.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is located.

BIDS OPENED

KLAMATH COUNTY, Oregon—Following bids received by the Oregon State Highway Commission, Portland, November 1, for furnishing approximately 19,000 c.y. crushed rock in stock piles on the Klamath Rock Production Project on The Dalles-California Highway and Green Springs Highway (State project).

Newport Const. Co. and Kern and Kibbe, Portland (Project A) $20,700; (Project B) $11,500; (Project C) $11,500.00.

* R. I. Stuart & Sons, Medford, (A) $21,600; (B) $9,250; (C) $9,750.

H. C. Rogers, Yakima, Wash., (A) $23,315; (B) $11,750; (C) $12,500.

A. S. Wallace, Roseburg, (A) $24,300 (B) $11,750; (C) $16,500.

Schmeer & Williams, Portland, (A) $28,530.

Dunn & Baker, Klamath Falls, (A) $28,630; (B) $10,880; (C) $11,100.

Homer G. Johnson, Portland, (A) $31,500; (B) $14,250; (C) $17,500.

All bids held under advisement.

*Will reduce total bid $500 if awarded all three projects.

BIDS OPENED

POLK COUNTY, Oregon—Following bids received by the Oregon State Highway Commission, Portland, November 1, for 2.12 miles grading and 3 miles oil mat surface treatment on the McNary-Oak Point Section of Independence Secondary Highway, U.S. P.W. Project No. NRS 224-B:

Earl L. McNutt, Eugene (1) road oil, $30,062; (2) tar, no bid.

*Theo. Arenz, Portland, (1) $31,933.50 (2) $31,983.50.

United Contracting Co., Portland, (1) $33,689.50; (2) $33,875.50.

Northwest Roads Co., Portland, (1) $34,867; (2) $34,882.

Harold Blake, Portland, (1) $36,289; (2) no bid.

Edlefsen-Weygandlt Co., Portland, (1) $36,824; (2) $37,164.

Newport Constr. Co., Portland, (1) $41,096; (2) $41,646.

*Will reduce bid $2000 if also awarded Yamhill River-Salt Creek Project. All bids held under advisement.

CONTRACT AWARDED

JACKSON COUNTY Oregon—Berke Bros., 1404 S. E. 29th St., Portland, at $93,990 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, November 1, for 0.40 mile of grading on the Barron Creek-Torrent Creek Section of the Pacific Highway, U.S.P.W. Project No. NRH 190-C. The other bids were:

Guy F. Atkinson Co., Portland, $104,755.
Kern & Kibbe, Portland, $105,410.
A. C. Greenwood Co., Inc., Portland, $109,386.
Colonial Constr. Co., Spokane, $109,490.
E. L. Gates, McCredie Springs, $111,585.
E. C. Hall, Eugene, $111,586.
Myers & Goulter, Seattle, $115,915.
Joplin & Eldon, Portland, $121,468.
Dunn & Baker, Klamath Falls, $125,365.
Winston Bros. Co., Seattle, $125,500.
F. C. Dillard, Medford, $126,470.
Theo. Arenz, Portland, $131,450.
Earl L. McNutt, Eugene, $136,935.
Guthrie - McDougall Co., Portland, $147,275.
United Contracting Co., Portland, $158,645.

CONTRACT AWARDED

ALAMEDA, Alameda Co., Cal.—Independent Const. Co., Ltd., 46th Ave. and Clement St., Oakland, at $23,679 awarded contract by the Alameda City Council for widening Webster Street from segregation line to north curb line of Central Avenue.

Complete bids published Oct. 18.

CONTRACT AWARDED

ALAMEDA, Alameda Co., Calif.—Heafey-Moore Co., 344 High Street, Oakland, at $13,395 awarded contract by the Alameda City Council for improving Maitland Drive from Bay Farm Island Bridge, 3450 ft. southerly.

In San Francisco

A welcoming room...an enterprising chef...a Union Square location (and that says volumes if you know your San Francisco) ...These are among the Plaza features that will brighten the days of your visit here + +

RATES: $2 to $4

RAY MAXWELL, Manager

HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BIDS OPENED

SAN FRANCISCO.—Bridge Builders, Inc., Outer Harbor, Oakland, at $835,000 submitted low bid to the Department of Public Works, San Francisco-Oakland Bay Bridge, Room 811, 500 Sansome St., San Francisco, for the final field paintng of all steel superstructure including cables and attachments of the West and East Bay crossings of the San Francisco-Oakland Bay Bridge. Total bids follow:

(A) Bridge Builders, Inc., Oakland, $835,000.00.
(B) R. P. Paoli, San Francisco, $880,000.00.
(C) American Building and Maintenance Co., San Francisco, $971,779.
(D) D. Zellinsky & Son, Inc., San Francisco, $1,124,700.00.

Bids were taken as follows:
(1) 24,000 tons steel in towers to be painted, West Bay crossing;
(2) cables & accessories to be painted
(3) 39,000 tons steel in spans to be painted, West Bay crossing;
(4) 58,00 tons steel in spans to be painted, East Bay crossing.

NOTE: Item 2 includes painting of the following:
19,000 tons cables;
226,000 l.f. 2¼-in. dia. suspender ropes
38,000 l.f. 1-in. diameter hand ropes;
850 tons cable castings.

Unit bids follow:

	(A)	
(1)	$4.50	$108,000
(2)	.....	180,000
(3)	5.40	210,600
(4)	5.80	336,400

	(B)	
(1)	$3.44	$ 82,560
(2)	.....	82,220
(3)	7.78	303,420
(4)	7.10	411,800

	(C)	
(1)	$3.80	$ 91,200
(2)	.....	316,000
(3)	5.91	230,490
(4)	5.76	334,080

	(D)	
(1)	$4.90	$117,600
(2)	.....	325,300
(3)	6.86	267,540
(4)	6.97	404,260

BIDS OPENED

BERKELEY, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $1848 submitted low bid to the Berkeley City Council for the improvement of Tunnel Road from The Uplands to east city limits, involving:
(1) 9400 sq. ft. grading;
(2) 10 yds. grading below subgrade;
(3) 15 cu. yds. excavation and backfill in damp area;
(4) 3600 sq. ft. paving;
(5) 15,000 sq. ft. resurfacing;
(6) 20 lin. ft. tile drain.

Total bids follow:
(A) Lee J. Immel, Berkeley, $1848.
(B) Ransome Co., Emeryville, $1879.70
(C) Independent Constr. Co., Ltd., Oakland, $2442.
(D) Albany Cement Contractors, Albany, $2986.

	(A)	(B)	(C)	(D)
(1)	$0.02	$0.023	$0.04	$ 0.01
(2)	3.00	2.00	1.50	10.00
(3)	5.00	4.50	4.00	10.00
(4)	.10	.085	.10	.11
(5)	.045	.055	.075	.05
(6)	1.00	1.00	.30	5.00

SANTA BARBARA CO.—3.8 Mi. Grade and Pave—(State)

SANTA BARBARA COUNTY, Cal.—Hanrahan-Wilcox Corp., 814 Hobart Bldg., San Francisco, at $375,983.25 submitted low bid to the State Highway Commission at Sacramento, for about 3.8 miles of grading and paving with Portland cement concrete in Santa Barbara County between Gaviota Creek and Nojoqui Creek.

The work involves:
(1) 62 sta. clearing and grubbing right-of-way;
(2) 591,650 cu. yds. roadway excav. unclass.;
(3) 2,570,000 sta. yds. overhaul;
(4) 120 tons Grade E asph. (seal coat)
(5) 29,200 cu. yds. imported borrow;
(6) 8000 cu. yds. structure excav.;
(7) 700 cu. yds. conc. in existing pavement and structures to be removed and disposed of;
(8) 44,100 sq. yds. subgrade for pavement;
(9) 8835 cu. yds. Class A Portland cement concrete (pave.);
(10) 2000 cu. yds. do ,structures);
(11) 222,000 lbs. bar reinforcing steel (pavement and structures);
(12) 18,000 each pavement dowels;
(13) 1126 lin. ft. 8-in. C.M.P.;
(14) 484 lin. ft. 18-in. C.MP;
(15) 1086 lin ft. 24-in. C.M.P.;
(16) 294 lin. ft. 30-in. C.M.P;
(17) 326 lin ft. 30-in. C.M.P., 12 ga.;
(18) 110 lin. ft. 36-in. C.MP;
(19) 732 lin. ft. 36-in. CMP, 10 gauge;
(20) 3160 lin ft. 8-in. perforated metal pipe underdrains;
(21) 22 each spillway assemblies complete in place;
(22) 7120 sq. yds. paved gutters and aprons;
(23) 1000 lin. ft. moving and resetting existing guard rail;
(24) 470 lin ft. laminated timber guard rail;
(25) 272 each timber guide posts;
(26) 68 each timber culvert markers;
(27) 7.9 miles new property fence;
(28) 19 each fence gates;
(29) 5175 M. gals. water;
(30) 590 tons fuel oil;
(31) 52,000 sq. yds. mixing fuel oil on road approaches, detours and shoulders;
(32) 850 lin. ft. bank protection fence
(33) 198 stations finishing roadway;
(34) 112 monuments complete in place

Total bids follow:
(A) Hanrahan-Wilcox Corp., San Francisco $375,983.25
(B) Sander Pearson, C. O. Sparks, & Mundo Engr. Co., Los Angeles 376,780.75
(C) J. E. Haddock, Pasadena 378,866.40
(D) Gibbons & Reed, Burbank 389,123.90
(E) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland.. 396,826.15
(F) Peninsula Paving Co., San Francisco 401,610.80
(G) Sharp & Fellows Contr. Co., Los Angeles 408,032.05
(H) Basich Bros., Torrance 428,917.95
(I) Telchert and Son, Inc. Sacramento 441,991.75
(J) J. L. McClain, L. A..... 448,743.30

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$50.00	$40.00	$60.00	$89.00	$60.00	$27.00	$120.00	$80.00	$50.00	$28.00
(2)	.26	.25	.26	.25	.28	.265	.295	.285	.32	.40
(3)	.005	.003	.005	.005	.005	.007	.004	.003	.005	.003
(4)	20.00	20.00	19.00	20.00	20.00	21.00	20.00	20.00	20.00	25.00
(5)	.60	.50	.60	.38	.47	.65	.85	1.25	.80	.50
(6)	.60	.75	1.25	1.00	1.00	.73	1.00	1.00	1.25	1.10
(7)	1.50	1.50	2.50	2.40	1.00	1.80	1.50	1.50	1.50	1.25
(8)	.07	.10	.09	.09	.08	.08	.12	.08	.10	.10
(9)	9.50	8.75	8.50	11.00	10.00	10.13	9.70	10.25	9.85	8.80
(10)	20.00	24.00	19.50	22.00	16.50	19.00	17.00	20.00	19.85	18.50
(11)	.0415	.045	.05	.05	.05	.05	.04	.045	.05	.05
(12)	.09	.15	.10	.10	.15	.13	.10	.095	.25	.10
(13)	1.50	.95	.85	.90	.90	.85	1.00	.90	.90	1.00
(14)	2.10	1.70	1.60	1.65	1.50	1.50	1.60	1.50	1.75	1.75
(15)	2.80	2.50	2.50	2.50	2.50	2.35	2.40	2.25	2.60	2.30
(16)	3.25	3.15	3.15	3.15	3.50	3.00	3.00	2.80	3.25	3.00
(17)	4.00	4.00	4.05	4.15	4.00	3.90	3.75	3.60	4.00	3.75
(18)	4.75	4.85	4.90	4.90	5.00	4.65	4.50	4.25	5.00	5.00
(19)	5.65	5.95	6.00	6.00	5.50	5.70	5.50	5.25	6.00	6.00
(20)	1.80	1.80	1.45	.90	1.45	1.55	1.00	1.80	1.10	.90
(21)	13.00	12.50	15.00	11.00	15.00	12.00	15.00	12.00	15.00	15.00
(22)	.90	1.80	1.00	.50	1.00	1.05	1.30	1.50	1.30	.80
(23)	.40	.50	.65	.50	.50	.35	1.00	.75	.60	.75
(24)	.90	1.00	.80	1.00	1.00	.90	1.00	1.20	1.10	1.10
(25)	.80	2.00	1.50	1.20	1.75	1.50	1.50	1.50	2.00	2.00
(26)	1.30	2.00	1.50	1.50	1.50	1.50	1.50	2.00	2.25	2.00
(27)	350.00	500.00	500.00	375.00	370.00	460.00	475.00	400.00	450.00	425.00
(28)	12.00	20.00	15.00	13.00	15.00	20.00	20.00	14.00	16.00	15.00
(29)	.25	.50	.50	1.00	1.65	1.50	1.10	.85	1.50	1.00
(30)	9.50	10.50	10.00	11.00	11.00	13.00	1.80	10.50	10.00	11.00
(31)	.03	.05	.06	.04	.05	.045	.05	.045	.06	.04
(32)	4.50	3.50	4.00	4.00	4.00	4.20	3.50	2.50	5.00	2.50
(33)	4.00	5.00	5.00	5.00	7.00	6.00	5.00	5.00	5.00	5.00
(34)	1.50	2.00	3.00	3.00	3.00	3.00	3.00	2.50	3.00	2.50

BAKERSFIELD—Union Ave. Grade Separation—(State)

KERN COUNTY, Cal.—Rocca & Co. San Rafael, at $68,617.50 submitted low bid to the State Highway Commission, Sacramento, for the construction of an underpass crossing under the tracks of the Atchison, Topeka & Santa Fe Railway, consisting of two concrete abutments with wing walls and a steel girder span, and approximately 0.26 mile of roadway to be graded and paved with Portland cement concrete pavement in the City of Bakersfield, at Union Avenue.

The work involves:
(1) 15,000 cu. yds. roadway excav.;
(2) 1900 cu. yds. structure excav.;
(3) 1600 cu. yds. old concrete pavement and structures to be removed;

(4) 5250 sq. yds. preparing surface and mixing and shaping oiled material;
(5) 7500 sq. yds. subgrade for pavement;
(6) 65 tons fuel oil;
(7) 110 cu. yds. Class A Portland cement concrete (structures);
(8) 1440 cu. yds. do (pavement);
(9) 290 cu. yds. do (slope paving);
(10) 250 cu. yds. do (curb and gutters)
(11) 89 cu. yds. (sidewalks);
(12) (630 cu. yds. Class A Portland cement concrete;
(13) 330 cu. yds. rock filling material
(14) 89,000 lbs. bar reinforcing steel;
(15) 200,000 lbs. structural steel;
(16) 6080 lbs. cast steel;
(17) 490 lin. ft. 8-in. plain concrete pipe;
(18) 1230 lin. ft. 10-in. plain concrete pipe;
(19) 64 lin. ft. 12-in. plain concrete pipe;
(20) 1450 lin. ft. 8-in. perforated metal pipe underdrains;
(21) 104 lin. ft. 10-in. C.M.P.;
(22) 10 lin. ft. 18-in. C.MP;
(23) 500 lin ft. 12-in. cast iron discharge pipe;
(24) 1 lot waterproofing;
(25) 1 lot pumping equipment;
(26) 1 lot miscellaneous items of work

Total bids follow:

(A) Rocca & Co., San Rafael, $68,617.50.
(B) Sharp & Fellows Contracting Co. Los Angeles, $71,392.50.
(C) Oscar Oberg, Los Angeles, $71,638.44.
(D) Griffith Co., Los Angeles, $72,012.20.
(E) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $82,457.50.
(F) M. B. McGowan, Inc., San Francisco, $86,968.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ .25	$ .245	$ .26	$ .25	$ .20	$ .50
(2)	1.26	2.00	1.00	.75	1.15	2.00
(3)	1.50	1.75	1.15	1.75	1.95	2.00
(4)	.15	.15	.08	.05	.28	.20
(5)	.09	.10	.127	.10	.12	.15
(6)	12.00	8.00	8.85	7.50	11.55	6.00
(7)	23.00	24.00	15.00	26.00	25.30	25.00
(8)	10.20	9.45	9.75	9.00	10.50	12.00
(9)	13.25	15.00	15.50	14.00	14.55	14.00
(10)	14.00	14.00	13.30	14.00	16.40	16.00
(11)	15.70	13.00	14.15	14.00	17.50	17.00
(12)	13.67	14.50	18.25	14.00	15.00	17.50
(13)	3.19	3.50	3.30	4.00	5.12	3.00
(14)	.045	.0475	.0475	.05	.0575	.05
(15)	.046	.055	.06	.07	.07	.075
(16)	.14	.15	.15	.17	.17	.15
(17)	.40	.50	.44	.50	.54	.80
(18)	.45	.60	.52	.60	.64	1.00
(19)	.60	.70	.76	.75	.75	1.50
(20)	.15	.25	.15	.30	.20	.20
(21)	.20	.30	.25	.40	.26	.50
(22)	.50	.50	1.25	.50	.55	.50
(23)	2.48	3.00	2.55	2.25	3.33	3.00
(24)	1481.00	1500.00	2500.00	2000.00	1536.00	1000.00
(25)	2600.00	2450.00	2363.00	3000.00	3564.80	2500.00
(26)	2800.00	500.00	578.00	650.00	773 00	858.00

ARIZONA — 9 MILES GRADING — (STATE)

ARIZONA STATE.—R. C. Tanner & W. E. Hall Co., 525 Title & Trust Bldg., Phoenix, at $54,354.58, as previously reported, submitted low bid and awarded contract by the Arizona State Highway Commission, Phoenix, for improving the Kingman-Boulder Dam Highway, NRS 102-B, (AFE 6903). The work begins about 30 miles northwest of Kingman and extends approximately 9 miles, and consists of grading and draining the roadway.

The work involves:

(1) 599 c.y. rdwy. excav., unclass.;
(2) 1620 c.y. struc. do;
(3) 5039 c.y. drainage do;
(4) 68,207 c.y. borrow do;
(5) 5000 sta. yds. earthwork overhaul;
(6) 688 c.y. Class A concrete, including cement;
(7) 56,940 lbs. reinf. steel bars, CIP;
(8) 1184 l.f. 30-in. CMP (CIP, including bands);
(9) 320 l.f. 36-in. do;
(10) 50 c.y. plain rip-rap, CIP;
(11) 46 each right of way markers, CIP.

Structures Over 20-ft. Clear Span

(12) 1096 c.y. struc. excav., unclass.;
(13) 2629 c.y. drainage do;
(14) 919 c.y. Class A concrete, including cement;
(15) 92,235 lbs. reinf. steel bars, CIP.

Total bids follow:

(A) R. C. Tanner and W. E. Hall Co. Phoenix, $54,354.58.
(B) Pearson & Dickerson Contractors Inc., Prescott, $59,525.30.
(C) Lee Moore Contr. Co., El Paso, Texas, $64,093.28.
(D) Skousen Bros., Mesa, $67,323.08.
(E) Packard & DeWitt, Phoenix, $71,832.50.
(F) All-Arizona Engr. & Const. Co., Clifton, $71,922.28.
(G) Del Webb Const. Co., Phoenix, $72,371.28.
(H) Daley, Vinson, Pringle, Phoenix, $74,915,12.
(I) Phoenix-Tempe Stone Co., Phoenex, $78,811.18.
(J) Heuser & Garnett, Glendale, $81,651.76.
(K) H. J. Hagen, Globe, $81,927.70.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ .25	$ .20	$ .20	$ .195	$ .20	$ .26	$ .40	$ .18	$ .28	$ .50	$ .20	$ .30
(2)	.75	.65	.60	.90	.90	1.00	1.00	.75	1.50	.80	1.00
(3)	.165	.20	.195	.30	.20	.33	.20	.28	.30	.20	.30
(4)	.165	.20	.195	.20	.20	.245	.18	.23	.29	.17	.30
(5)	.04	.025	.03	.01	.03	.04	.10	.03	.04	.07	.02
(6)	17.00	18.25	21.50	22.50	24.00	21.50	25.50	25.00	24.00	31.00	25.00
(7)	.045	.05	.05	.055	.0575	.055	.05	.05	.05	.065	.00
(8)	3.15	3.15	3.00	3.70	3.70	3.85	3.75	4.00	3.50	3.50	4.00
(9)	4.60	[illegible]	5.00	5.80	6.30	6.00	5.75	6.15	5.50	5.50	6.00
(10)	2.00	2.50	2.50	3.00	5.00	4.00	5.00	5.00	2.00	6.50	5.00
(11)	2.50	2.50	2.50	2.00	2.50	2.00	3.00	3.00	2.75	3.00	3.00
(12)	.75	.65	.60	.80	.90	1.00	1.00	.75	1.50	.80	1.00
(13)	.165	.20	.195	.30	.20	.33	.25	.28	.30	.20	.30
(14)	17.00	18.25	21.50	21.00	24.00	21.50	25.50	25.00	24.00	31.00	25.00
(15)	.045	.05	.05	.048	.0575	.055	.05	.05	.05	.065	.60

CONTRACT AWARDED

BURLINGAME, San Mateo Co., Cal.—Union Paving Co., Call Bldg., San Francisco, at $14,387 submitted low bid to the Burlingame City Council for the improvement of El Camino Real in the City of Burlingame from the Hillsborough line near Oak Grove Ave. northerly to a point near Edgehill Drive on said El Camino Real.

The work involves:

(1) Asphaltic concrete; total, 1,995 tons:
(1-A) 960 tons Type A wearing surface, 2-in. thick, 39-ft. wide;
(1-B) 65 tons Type A gutters;
(1-C) 970 tons leveling course;
Total, 1995 tons asphaltic concrete;
(2) Portland cement concrete, Class A, total 186 c.y.:
(2-A) 166 c.y. 5-in. curbs and 30-in. 12-in. gutters;
(2-B) 42 c.y. sidewalks, 4-in. thick;
(2-C) 19.5 c.y. sidewalks, varying thickness on existing sidewalks;
(2-D) 7.5 c.y. driveways, 5-in. thick
Total, 186 c.y. concrete;
(3) 148 l.f. 15-in. concrete culvert pipe;
(4) 44 l.f. 12-in. concrete culvert pipe extra strength;
(5) 4 each standard catchbasins (curb inlet type);
(6) 1 manhole;
(7) 1 rebuild catchbasin;
(8) 306 c.y. earth excavation;
(9) 1100 sq. ft. removal of existing concrete pavement base;
(10) 19 removal of trees.

Complete total bids follow:

(A) Union Paving Co., San Francisco $14,387.00
(B) Pacific States Const. Co., San Francisco 14,886.00
(C) Fay Imp. Co., S. F. 15,724.70
(D) A. J. Raisch, S. F. 15,834.55

Unit bids follow:

	(A)	(B)	(C)	(D)
(1) (Total)	$45.20	$ 5.00	$	$ .....
(1a)	.....	.....	4.80	5.24
(1b)	.....	.....	4.55	5.83
(1c)	.....	.....	4.55	5.11
(2) (Total)	14.00	14.50	.....	.....
(2a)	.....	.....	18.00	16.00
(2b)	.....	.....	16.00	13.00
(2c)	.....	.....	16.75	15.00
(2d)	.....	.....	16.75	14.00
(3)	2.00	2.25	2.20	3.00
(4)	2.50	2.50	2.40	3.00
(5)	40.00	45.00	50.00	60.00
(6)	25.00	20.00	28.00	20.00
(7)	50.00	40.00	35.00	40.00
(8)	1.00	1.10	1.25	1.00
(9)	.08	.09	.15	.10
(10)	20.00	58.00	55.00	30.00

COMPLETE BID LISTING

SAN DIEGO COUNTY, Cal.—V. R. Dennis Construction Co., 3911 Fifth Ave., San Diego, at $43,862, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, November 1, for 1.9 miles grading and surfacing with bituminous macadam on crusher run base in San Diego County in the City of San Diego between the Military Reservation and Canon St., involving:

(1) 15 sta. clearing and grubbing right of way;
(2) 60 each removing and disposing of trees;
(3) 10 each moving and replanting trees;
(4) 21,000 c.y. rdwy. excav., unclass.;
(5) 15,000 c.y. imported borrow;
(6) 70,000 sta. yds. overhaul;
(7) 600 c.y. structure excavation;
(8) 2 c.y. removing and disposing of concrete;
(9) 11 c.y. Class A Portland cement concrete (curb and structures);
(10) 350 lbs. bar reinf. steel (struc.);
(11) 5 each spillway assemblies;
(12) 44 l.f. 8-in. CMP;
(13) 432 l.f. 18-in. CMP;
(14) 60 l.f. 24-in. CMP;
(15) 90 l.f. 36-in. CMP;
(16) 1,100 M. gals. water;

(17) 0.4 mile new property fence; place;
(18) 1 only fence gate complete in
(19) 0.2 mile removing and disposing of property fence;
(20) 5,100 tons crusher run base;
(21) 3,250 tons broken stone bituminous macadam;
(22) 175 tons Grade E asphalt;
(23) 126 tons fuel oil;
(24) 21,000 sq. yds. prepare, mix and shape shoulders;
(25) 105 sta. finishing roadway.

Total bids follow:

(A) V. R. Dennis Constr. Co., San Diego, $43,862.
(B) E. G. Carroll, San Diego, $47,405.
(C) Griffith Co., Los Angeles, $56,383.
(D) Walter Trepte, San Diego, $53,-647.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1).....	$ 20.00	$ 14.00	$ 25.00	$ 30.00
(2).....	10.00	3.30	10.00	3.00
(3).....	20.00	34.00	55.00	30.00
(4).....	.18	.20	.34	.36
(5).....	.18	.30	.45	.45
(6).....	005	.003	.01	.005
(7).....	.50	.75	.65	2.00
(8).....	2.00	3.00	6.00	5.00
(9).....	20.00	16.50	25.00	25.00
(10).....	.10	.06	10.00	.06
(11)....	5.00	3.50	10.00	6.00
(12).....	.50	.30	.50	.50
(13).....	.50	.55	.50	.75
(14).....	1.00	.70	.60	1 00
(15).....	1.00	1.10	1.40	1.50
(16).....	.75	.90	1.50	1.00
(17).....	1000.00	440.00	800.00	400.00
(18).....	25.00	16.00	16.00	40.00
(19).....	500.00	110.00	250.00	50.00
(20).....	3.20	3.37	3.50	3.00
(21).....	3.20	3.45	3.60	3.90
(22).....	20.00	25.70	26.00	20.00
(23).....	10.00	3.95	10.00	10.00
(24).....	.05	.04	.05	.06
(25).....	10.00	5.50	6.00	6.00

COMPLETE BID LISTING

LOS ANGELES COUNTY, Cal. — Oswald Bros., 366 E. 58th St., Los Angeles, at $85,504.90, as previously reported, submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, November 1, for 4.4 mi. grading and paving with asphalt concrete in Los Angeles County, between Newhall Tunnel and Saugus, involving:

(1) 283 sta. clearing and grubbing right of way;
(2) 1,700 c.y. rdwy. excavation, unclassified;
(3) 19,500 c.y. imported borrow;
(4) 515 c.y. structure excavation;
(5) 6,500 sq. yds. subgrade for pave.;
(6) 45,000 sq. yds. asph. paint binder;
(7) 19,500 tons asphalt concrete;
(8) 320 tons fuel oil;
(9) 4.36 miles prepare, mix and shape shoulders;
(10) 15 c.y. Class A Portland cement concrete (structures);
(11) 500 lbs. bar reinf. steel struc.;
(12) 510 lbs. misc. iron and steel;
(13) 64 l.f. 18-in. CMP;
(14) 310 l.f. 24-in. CMP;
(15) 24 l.f. 30-in. CMP;
(16) 500 M. gals. water;
(17) 2,545 l.f. bank protection fence;
(18) 84 l.f. laminated timber guard rail;
(19) 14 each culvert markers;
(20) 233 sta. finishing roadway.

Total bids follow:

(A) Oswald Bros., Los Angeles, $85,-504.90.
(B) Southwest Paving Co., Los Angeles, $92,601.65.
(C) Griffith Co., Los Angeles, $93,362.
(D) Geo. R. Curtis Paving Co., Los Angeles, $97,670.49.
(E) P. J. Akmadzich, Los Angeles, $111,109.20.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)..	$10.00	$ 1.20	$ 2.00	$ 2.00	$ 2.40
(2)..	.50	.40	.30	.50	.90
(3)..	.50	.57	.60	.40	.48
(4)..	1.50	.90	.70	.70	1.20
(5)..	.10	.10	.10	.135	.145
(6)..	.02	.02	.02	.02	.025
(7)..	2.65	3.00	2.93	3.36	3.60
(8)..	7.00	6.80	8.00	6.60	8.00
(9)..	550.00	475.00	400.00	480.00	620.00
(10)..	30.00	21.00	30.00	22.00	24.00
(11)..	.055	.05	.06	.05	.10
(12)..	.07	.10	.10	.10	.20
(13)..	1.80	2.05	2.00	1.86	1.80
(14)..	2.60	2.90	3.00	2.64	2.75
(15)..	3.50	3.90	4.00	8.30	3.20
(16)..	1.25	1.75	1.50	2.00	1.00
(17)..	4.20	4.75	6.00	5.25	7.20
(18)..	1.00	1.75	1.00	1.20	1.20
(19)..	1.50	1.75	1.50	3.00	3.00
(20)..	4.00	4.50	10.50	3.00	4.00

ARIZONA — 9.8 MILES GRADING — (STATE)

ARIZONA STATE.—N. G. Hill and Co., 1145 W. Culver, Phoenix, at $79,-269.86, as previously reported, submitted low bid and awarded contract by the Arizona State Highway Commission, Phoenix, for improving the Ashfork - Kingman Highway (AFE 6627) NRH 80-H. The work, which is to begin about 32 miles northwest of Ashfork Junction and extend about 9.8 miles northwesterly, consists of grading and draining the roadway and is to be completed on or before June 15, 1935.

Total bids follow:

(A) N. G. Hill & Co., Phoenix, $79,-269.86.
(B) Lee Moor Contr. Co., Phoenix, $85,161.01.
(C) R. C. Tanner & W. E. Hall Co., Phoenix, $87,080.16.
(D) Packard-DeWitt, Phoenix, $89,-102.27.
(E) Phoenix-Tempe Stone Co., Phoenix, $95,078.99.
(F) Skousen Bros., Mesa, $102,803.68.
(G) Daley-Vinson-Pringle, Phoenix, $103,834.38.
(H) Pearson & Dickerson Contractors Inc., Prescott, $104,474.21.
(I) Heuser & Garnett, Glendale, Cal., $104,486.07.
(J) Pleasant-Hasler Const. Co., Phoenix, $107,866.24.
(K) Hodgman - MacVicar, Pasadena, $110,833.24.
(L) Martin Bros. Trucking Co. Aguila Arizona, $115,783.97.

(1) 5,000 c.y. stripping pits;
(2) 18,214 c.y. rdwy. excav., unclass.;
(3) 769 c.y. struc. do;
(4) 12,772 c.y. drainage do;
(5) 84,214 c.y. imported borrow, CIP;
(6) 19,405 c.y. select material;
(7) 27,210 c.y. mi. select material, haul;
(8) 18,769 c.y. aggregate base course;
(9) 51,917 c.y. mi. do, haul;
(10) 272 c.y. Class A concrete, including cement;
(11) 19,733 lbs. reinf. steel bars, CIP;
(12) 44 l.f. 18-in. CMP (CIP, including bands);
(13) 108 l.f. 24-in. CMP do;
(14) 216 l.f. 30-in. CMP do;
(15) 576 l.f. 36-in. CMP do;
(16) 400 l.f. grader ditches;
(17) 84,533 l.f. standard line fence CIP
(18) 2,138 l.f. special 6-wire line do;
(13) 49 each right of way markers CIP
(20) 200 hours rolling;
(21) 344 M. gals. sprinkling, CIP.

Structures Over 20-ft. Clear Span

(22) 653 c.y. struc. excav., unclass.;
(23) 2589 c.y. drainage do;
(24) 622 c.y. Class A conc., including cement;
(25) 66,705 lbs. reinf. steel bars, CIP.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
(1).....	$ .30	$ .05	$ .18	$ .21	$ .24	$ .20	$ .19	$ .26	$ .35	$ .24	$ .25	$ .30
(2).....	.17	.24	.30	.25	.27	.40	.25	.34	.24	.35	.25	.40
(3).....	.85	.60	.80	.80	1.50	.90	.75	.75	.70	.90	1.00	1.00
(4).....	.17	.24	.22	.20	.21	.40	.28	.29	.25	.26	.20	.40
(5).....	.34	.32	.30	.35	.34	.40	.44	.39	.42	.45	.52	.42
(6).....	.10	.15	.17	.20	.12	.20	.23	.13	.18	.19	.30	.27
(7).....	.10	.155	.105	.14	.15	.15	.125	.16	.20	.17	.15	.15
(8).....	.10	.40	.31	.22	.20	.40	.32	.53	.18	.35	.30	.55
(9).....	.09	.10	.10	.11	.11	.10	.125	.11	.15	.09	.10	.12
(10).....	19.00	17.00	21.00	19.00	25.00	21.00	21.50	21.64	24.00	23.00	20.00	24.00
(11).....	.045	.05	.05	.05	.045	.055	.048	.05	.06	.053	.06	.05
(12).....	2.25	2.00	1.60	2.00	1.75	2.00	2.00	1.65	1.70	2.00	2.50	2.25
(13).....	2.85	2.60	2.55	2.70	2.75	3.00	3.00	2.55	2.70	3.00	3.50	3.00
(14).....	3.55	3.40	3.20	3.10	3.35	3.50	3.50	3.15	3.40	4.00	4.00	4.00
(15).....	4.55	5.20	4.90	4.50	5.25	5.50	5.40	5.00	5.40	6.25	6.50	5.50
(16).....	.08	.10	.05	.06	.06	.10	.05	.02	.045	.10	.03	.04
(17).....	.055	.05	.06	.055	.08	.05	.065	.07	.06	.066	.065	.07
(18).....	.06	.06	.065	.065	.09	.10	.07	.08	.075	.07	.08	.08
(19).....	2.00	2.50	2.50	2.50	2.50	2.00	2.25	2.60	2.50	3.00	3.00	3.00
(20).....	2.00	2.00	3.00	3.00	3.00	3.50	3.75	5.20	4.00	3.00	5.00	2.50
(21).....	3.00	2.00	2.50	2.50	3.00	3.50	4.00	3.60	3.00	3.00	3.00	3.50
(22).....	.85	.60	.80	.80	1.50	.90	.75	.75	.70	.90	1.00	1.00
(23).....	.17	.24	.22	.20	.21	.40	.28	.29	.25	.26	.20	.40
(24).....	19.00	17.00	21.00	18.50	25.00	19.50	21.50	21.64	24.00	23.00	20.00	24.00
(25).....	.045	.05	.05	.05	.045	.045	.048	.05	.06	.053	.06	.05

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Building and Engineering News

IN THIS ISSUE

S. F. Pledges To FHA Over $7,000,000

Reclamation Service Asks Bids on Two Dams

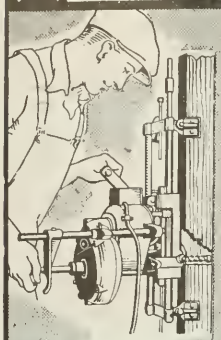
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

MBER 17, 1934

Vol. XVII—No. 46

WAPPAT Electric TOOLS



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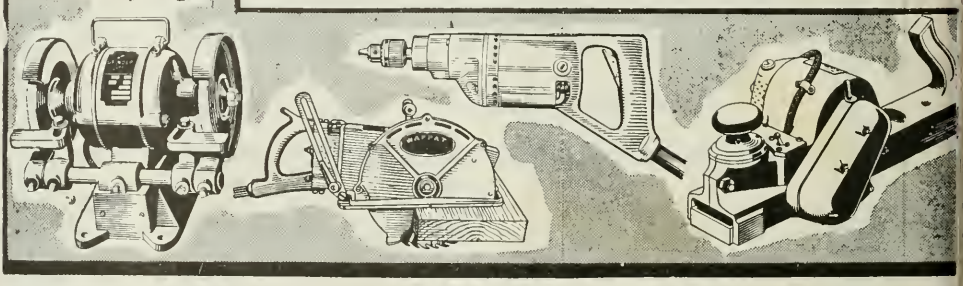

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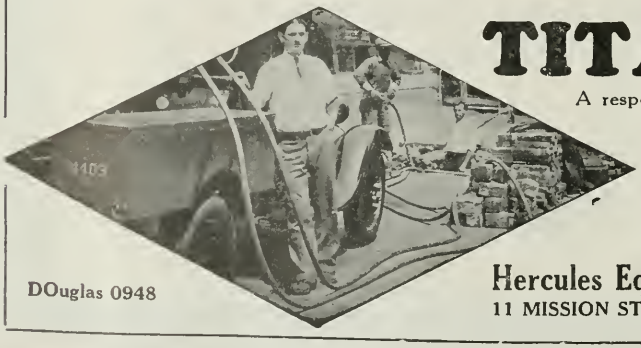

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Vol. XVII SAN FRANCISCO, CAILF., NOVEMBER 17, 1934 No. 46

TO ASK BIDS ON BONNIEVILLE DAM CONTRACTS

Work to Cost Over $11,000,000 to be Awarded in Next Few Months

Contracts totaling close to $12,000,000 will be let within the next few months on the Bonneville Dam project, according to reports from Portland.

With contracts let for the initial major phases of the $31,000,000 project and work going ahead rapidly on the powerhouse substructure, navigation lock and main dam the U. S. Engineer office expects to advance several other parts of the work. Specifications are being prepared on some portions and it is believed that contracts for most of the rest of the dam structure will be let by spring.

Bids are to be opened in Portland November 23 for construction of an administration building and auditorium, cost of which has been estimated at more than $60,000.

Among the major contracts to be let are those for the powerhouse turbines, spillway gates for the main dam, a steel drawbridge across the lock to carry tracks to the powerhouse, Bradford Island and the spillway dam, and the fishways for the dam, to protect the Columbia river salmon industry.

Plans for the fishways have been approved by the engineers but final approval has been held up pending consideration of other means which might reduce the cost of the work. Cost of the fishways is set at $800,000 in the original estimates covering proposed expenditures for the various portions of the project.

CONTRACTOR NAMED RESERVE BANK HEAD

Marriner S. Eccles, president of the Utah Construction Company of Ogden, Utah, has been appointed governor of the federal reserve board by President Roosevelt. Mr. Eccles succeeds Eugene Black as head of the board.

Mr. Eccles is president of the First Security Corporation, which operates a number of banks in Utah, Idaho and Wyoming, and is interested in several industries in that area.

OPEN NEWPORT DREDGING BIDS

LOS ANGELES, Nov. 15. — Low bid for dredging and rock removal in Newport Bay was submitted to the U. S. Engineer Office here today by Standard Dredging Company of Los Angeles, at $1,122,634. The only other bid received was that of the Hydraulic Dredging Co. of Oakland, who submitted a proposal of $1,167,595. Both bids were on Schedule I, for the entire work. No bids were received on Schedule II, in which the work was figured by sections.

Readvertise Part Of Aqueduct Work; Shea Gets Award

New bids are to be received December 4 by the Metropolitan Water District at Los Angeles for construction of Schedules 20K, 21, 22 and 23, comprising 12.8 miles of the Colorado River Aqueduct. This portion of the aqueduct is located in Riverside county between a point about two miles north of San Jacinto and about ten miles south of the city of Riverside.

The Griffith Company was low bidder on these schedules, except Schedule 20K, when bids were received October 31. The bids were rejected due to irregularity. American Concrete and Steel Pipe Co. was low bidder on 20K.

The district awarded contracts to J. F. Shea Company for construction of 15.84 miles at a total of $2,557,781.

The low bid on Schedule 18S, the portion of the siphon crossing the Mission and San Andreas fault areas is being held for further consideration. The bid was submitted by Western Pipe and Steel Company at $595,812.

Municipal highway expenditures of Bakersfield during the fiscal year 1933 totaled $79,534, according to the annual report of State Controller Ray L. Riley.

MITTRY LOW ON PENINSULA HIGHWAY WORK

Submit $149,800 Proposal For Grading and Surfacing in San Mateo County

SACRAMENTO, Nov. 14.—Mittry Brothers Construction Company of Los Angeles today submitted low bid to the State Highway Commission for grading and surfacing about two and seven-tenths miles in San Mateo county. Amount of the low figure was $149,865.

Granfield-Farrar and Carlin of San Francisco, at $155,177 submitted second low bid on the work.

The project is located between three miles east of Half Moon Bay and Summit and involves grading, surfacing with crusher run base and applying bituminous surface treatment.

The bidding schedule included major items of approximately 27 acres clearing and grubbing, 385,000 cubic yards unclassified roadway excavation, 1,500,000 sta. yds overhaul, 4,560 cubic yards structure excavation, 10,500 tons crusher run base, 1,600 tons screenings, 4,084 feet of corrugated metal pipe, 3,400 feet of perforated metal pipe, 59,000 feet structural redwood timber, 4,000 feet solid timber guard rail, 3,400 M. gallons watering, 5.1 miles property fence, and others.

Total bids submitted on the work were as follows:

Mittry Bros. Const. Co., Los Angeles	$149,865
Granfield - Farrar & Carlin, San Francisco	155,177
Fredrickson and Watson, and Fredrickson Bros., Oakland	163,111
Peninsula Paving Co., S. F.	165,653
Bodenhammer Const. Co. and Contules Const. Co., Oakland	187,728
N. M. Ball and Harms Bros., Berkeley	188,940
A. Teichert and Son, Sacramento	199,367

New orders booked during the third quarter of 1934, as reported to the Bureau of the Census by 78 manufacturers of electrical goods, were $100,334,150, as compared with $128,033,723, for the second quarter of 1934, and $98,768,057, for the third quarter of 1933.

WIDE VARIETY OF PROJECTS PLEDGED HERE

Painting Work Leads Other Types; Housing Program Canvass to Continue

After what appears to have been a record in attaining its original goal of $7,000,000, the San Francisco Chamber of Commerce Better Housing Program has started to obtain moderuization and construction pledges for as many more millions as can be obtained.

When the analysis of results to date is completed it is expected that the total of modernization jobs will be considerably more than twenty thousand. The last check-up on these jobs showed a total of 20,109. Nearly twenty-five percent of these jobs are for paint work, both exterior and interior. More than ten percent are for carpentry work, and more than nine percent for papering work.

The approach of winter does not seem to have slowed up the determination of San Francisco to do it's modernization work on a wholesale scale. On the contrary, many of those signing pledges, are anxious to have the work completed before the rainy season sets in.

The income districts of the city have developed the highest pledged total thus far, with $3,609,995. The residential districts have produced $2,285,463, while the industrial, or factory districts have signed up $1,132,605. However, the residential districts have accounted for the highest total of pledges signed, with $3,833. The income districts come second with 2,058 signed pledges.

Of the total of all jobs developed to date, 4,716 are for painting work. This represents 23.45 percent of the total of these jobs. The others are as follows:

	Ttl No.	%
Carpentry	2,008	9.99
Concrete	768	3.82
Electrical	1,051	5.23
Flooring	981	4.88
Heating	632	3.14
Landscaping	249	1.24
Masonry	390	1.94
Papering	1,885	9.37
Plastering	846	4 21
Plumbing	1,373	6.83
Roofing	942	4.68
New Const. & Alter.	491	2.44
Additions	1,737	8.64
Misc, tiling, etc.	2,040	10.14

No goal has been set as yet for the second portion of the drive. The executives of the campaign feel that San Francisco desires to set it's own goal, and are hesitant to announce any figure on that account. But the chamber of commerce has determined to keep on going until every property owner in the City has been contacted.

Reclamation Bureau Asks Bids on Dams In Colorado, Utah

Bids have been asked by the Bureau of Reclamation for construction of two dams, to be located near Duchesne, Utah, and Gunnison, Colorado.

On February 18, 1935, bids for construction of the Taylor Park Dam will be opened by the Bureau at Gunnison, Colo. The dam is to be a portion of the Uncompahgre project. The specifications provide for alternative bids on two different types of construction, one a concrete arch dam and the other an earth and rock fill dam. Among the principal items of work and estimated quantities involved in construction of the concrete arch dam are 61,000 cubic yards common open cut excavation, 28,500 cubic yards rock open cut excavation, 100,000 cubic yards concrete, placing reinforcement bars, and installing gates, gate hoists, control mechanism, conduit lining, hoist, crane and trash rack metal work. Among the major items involved in construction of the earth and rock fill dam are 95,000 cubic yards common open cut excavation, 63,000 cubic yards rock open cut excavation, 853,000 cubic yards of common excavation in borrow pit, 35,000 cubic yards rock excavation in borrow pit, 6,000 cubic yards of tunnel excavation, 825,000 cubic yards earth fill in embankment, 130,000 cubic yards rock fill on the downstream slope of embankment, 26,000 cubic yards rip-rap on upstream slope of embankment, and others.

Proposals for construction of the Moon Lake Dam near Duchesne, Utah, will be opened by the Bureau in Salt Lake City February 4. The work involves, among others, major items of approximately 116,000 cubic yards common open cut excavation, 394,000 cubic yards of common excavation from borrow pits, 400,000 cubic yards earthfill in embankment, 77,000 cubic yards rock fill on downstream slope of embankment, 29,000 cubic yards dumped rip-rap on embankments, 7,900 cubic yards of concrete in tunnels and structures, 175,000 lbs. of gates and other metal work, and 870,000 lbs. of reinforcement bars.

(Complete lists of bid items appear in the Advance Report section.)

UPTREND CONTINUES IN HOUSING LOANS

The Federal Housing Administration reported yesterday that in the eleven weeks of the national campaign for property improvement at which loans are being made advanced from 117 in the first week to 5600 in the last week. The sum advanced the first week was $56,937 and in the last week $2,350,000.

START EROSION CONTROL WORK IN SANTA CRUZ

Gov't Project Third of Its Kind in State; Materials Being Purchased

Santa Cruz County has been approved by the Federal Soil Erosion Service as the site for the state's third soil erosion control demonstruction project. It will cover an area of 67,000 acres, will carry with it an allotment of $200,000 from the $15,000,000 appropriated by Congress for the purpose of demonstrating methods of erosion control to owners and operators of farm properties, and will be known as the Corralitos Project.

The other two project areas in California are near Arroyo Grande, San Luis Obispo County, and in the Los Posas Valley, Ventura County.

According to H. L. Washburn, Santa Cruz County farm advisor, cooperation in the project has been promised by more than 500 fruit growers, dairymen and other farmers in the area covered by the Corralitos project.

Materials to be used in the Santa Cruz project are being purchased by the Soil Erosion Service, bids having been taken on some now out for bids.

Headquarters for the service are located in Santa Paula. The Santa Cruz headquarters at present are located in the office of Mr. Washburn, and later will be established in the vicinity of Aptos, where the Service is seeking space for its warehouse.

Thirty of these soil erosion control projects have been established throughout the United States for the purpose of reducing the $400,000,000 annual loss to farm lands from uncontrolled erosion.

STRUCTURAL STEEL BOOKINGS DECLINE

Bookings of fabricated structural steel during September registered a low for the recovery period, according to figures compiled by the American Institute of Steel Construction. The records materially lowered the average for the third quarter. This was 17 per cent less than the average bookings of the first quarter of 1934 and approximately 30 per cent less than the average bookings of the second quarter of this year. The shipments of September fell below the shipments of the month previous, August, but were approximately 29 per cent larger than for the same month last year.

These figures are based upon reports received from shops representing 82 per cent of the entire industry. The back-log of the industry is consequently at least 17 per cent less than it was the beginning of the third quarter, and only 4 per cent larger than it was this month last year.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
570	Davis	Owner	1500
571	Molendi	Bourdieu	3800
572	Summer	Cuthbertson	10600
573	S. F.	Owner	18000
574	Weinrib	Malloch	1000
575	Goloff	Owner	1000
576	Owl	Dunn	3000
577	Mezzetta	Owner	1400
578	Graham	Owner	2800
579	Hyde	DuPuy	3800
580	Chase	Owner	20000
581	Lesser	Owner	1000
582	Schmidt	Schmidt	2950
583	Wilson	Not Let	1000
584	Vigen	Thornsen	4000
585	Froment	Acme	3000
586	Anderson	Callaghan	2000
587	Christensen	Owner	3500
588	Carraro	Owner	2000
589	Mann	Person	2557
590	Christensen	Owner	3500

ALTERATIONS
(570) NO. 185 CORONA ST. Alter dwelling.
Owner—Dr. H. W. Davis, Premises.
Architect—Not Given. $1500

DWELLING
(571) E DE HARO 175 S 18th Street. One-story and basement frame dwelling.
Owner — Nello Molendi, 650 De Haro St., San Francisco.
Architect—Not Given.
Contractor—J. B. Bourdieu, 2625 20th St., San Francisco. $3800

DWELLING
(572) NE EDGEHILL WAY, Claremont Court. One-story and basement frame dwelling.
Owner—Maurice H. Summer, 703 Market St., San Francisco.
Architect—Blaine & Olson, 1212 Broadway, Oakland.
Contractor—Thomas A. Cuthbertson, 430 Noriega St., S. F. $10,600

ALTERATIONS
(573) NO. 371-373 BRANNAN ST. Alter storage building.
Owner—S. F. Warehouse Co., 625 3rd St., San Francisco.
Engineer — Ellison & Russell, Pacific Bldg., San Francisco. $18,000

ALTERATIONS
(574) NO. 518 HAIGHT ST. Alter store.
Owner—A. Weinrib, % Contractor.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1000

ADDITION
(575) 39 NAYLOR; addition to dwelling.
Owner—G Goloff, 39 Naylor St.
Architect—Not Given. $1000

ALTERATIONS
(576) 657 MISSION ST.; alter warehouse and offices.
Owner—Owl Drug Co., 657 Mission St.
Architect—Not Given.
Contractor—Louis C. Dunn, Monadnock Bldg. $3000

GREENHOUSE
(577) W OXFORD 100 S Burrows; 1 story frame greenhouse.
Owner—Ernest Mezzetta, 448 Oxford.
Architect—Not Given. $1400

DWELLING
(578) E TOCOLOMA 341 N Blanken 1-story and basement frame dwelling.
Owner—Wm. H. Grahn, 2965 Mission.
Architect—Not Given. $2800

ALTERATIONS
(579) 2755 VALLEJO St.; alter dwelling.
Owner—Orra C. Hyde, Financial Center Building.
Architect—Not Given.
Contractor—Fred K. Du Puy, 110 Sutter Street. $3800

ALTERATIONS
(580) NO. 111 O'FARRELL STREET. Alter stores and offices.
Owner—George Q. Chase, Kohler & Chase, 26 O'Farrell St., S. F.
Architect—Not Given. $20,000

ALTERATIONS
(581) NO. 761 MARKET ST. Alter market.
Owner—Lesses Bros., Premises.
Architect—Not Given. $1000

DWELLING
(582) E ANDOVER 115 N Courtland Ave. One-story and basement frame dwelling.
Owner—Adolf P. Schmidt, 1358 Potrero Ave., San Francisco.
Architect—Not Given.
Contractor—Schmidt Bros. 1395 Hampshire St., S. F. $2950

ALTERATIONS
(583) NO. 357 FILBERT ST. Alter dwelling.
Owner—James C. Wilson, 381 Filbert St., San Francisco.
Architect—Not Given.
Contractor—Not Let $1000

DWELLING
(584) E TWENTY-FIRST AVE 175 S Lawton St. One-story and basement frame dwelling.
Owner—Andrew Vigen, 1346 40th Ave., San Francisco.
Architect—Not Given.
Contractor — Thorsen & Kirkevoog, 1878 Church St., S. F. $4000

DWELLING
(585) SW LANE AND McKINNON. One-story and basement frame dwelling.
Owner — L. Froment, 235 23rd Ave., San Francisco.
Architect—Not Given.
Contractor — Acme Constr. Co., 301 Evergreen St. $3000

REPAIRS
(586) NO 4041 GEARY ST. Repair fire damage to store.
Owner—Anderson, Premises.
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton St., San Francisco. $2000

DWELLING
(587) W EIGHTEENTH AVE 125 S Vicente. One-story and basement frame dwelling.
Owner—Herman Christensen, 1422 27th Ave., San Francisco.
Architect—Not Given. $3500

DWELLING
(588) S BACON ST. 81 W Brussels. One-story and basement frame dwelling.
Owner — G. Carraro, 750 Felton St., San Francisco.
Architect—Not Given. $2000

ALTERATIONS
(589) NO. 120 SAN BUENA VENTURA Way. Alter dwelling.
Owner—George M. Mann, Premises.
Architect—Roland Irving Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Luis Road, Berkeley. $2557

DWELLING
(590) W EIGHTEENTH AVE. 100 S Vicente. One-story and basement frame dwelling.
Owner—Herman Christensen, 1422 27th Ave., San Francisco.
Architect—Not Given. $3500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
442	Sherman	Owner	1000
443	Koenig	Early	2800
444	Card	Alpine	1500
445	Hodgson	Arnold	5000
446	Oakland	Jensen	6250
447	Cross	Christinsen	1000
448	Nineteenth	Cone	1691
449	Pershal	Owner	6000
450	Treasury	Early	5300
451	Hoyt	Cederborg	2000
452	August	Pfeiffer	4000

ALTERATIONS
(442) NO. 103 LINDEN ST., **OAKLAND.** Alterations.
Owner — Sherman Bros., 103 Linden St., Oakland.
Architect—Not Given. $1000

REPAIRS
(443) NO. 461 FIFTY-NINTH ST., **OAKLAND.** Fire repairs.
Owner—Max W. Koenig, Premises.
Architect—Not Given.
Contractor—Fred J. Early Jr., 366 40th St., Oakland. $2800

REPAIRS
(444) NO. 2501-11 BROADWAY, **OAKLAND.** Termite repairs.
Owner—Dr. E. F. Card, 1298 Sacramento St., San Francisco.
Architect—Not Given.
Contractor—Alpine Wood & Supply Co., 2846 Shattuck Ave., Berkeley. $1500

DWELLING
(445) 5248 GOLDEN GATE AVENUE, **OAKLAND;** 1-story 6-room dwelling.
Owner—Ralph Hodgson, 2236 Channing Way, Berkeley.
Architect—Not Given.
Contractor—Henry W. Arnold, 816 Oak St., Oakland. $5000

ALTERATIONS
(446) 1904 FRANKLIN ST., **OAKLAND;** alterations.
Owner—Oakland Medical Bldg. Corp., 1904 Franklin St., Oakland.
Architect—A. A. Schroefper, 244 Kearny St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco. $6250

REPAIRS
(447) NO. 2000 BROADWAY, **OAKLAND.** Fire repairs.
Owner—R. H. Cross, Mills Bldg., San Francisco.
Architect—Not Given.
Contractor — H. J. Christinsen Co., 1955 Webster St., Oakland. $1000

ALTERATIONS
(448) NO. 244 LAKESIDE DRIVE, **OAKLAND.** Alterations.
Owner—Nineteenth Realty Co., Prem.
Architect—E. T. Foulkes, 357 12th St., Oakland.
Contractor—W. C. Cone, 608 16th St., Oakland. $1691

DWELLING
(449) NO. 4361 BRIDGEVIEW DRIVE OAKLAND. Two-story six-room dwelling.
Owner—C. O. Pershel, 4276 Fruitvale Ave., Oakland.
Architect—Not Given. $6000

ALTERATIONS
(450) NE THIRTEENTH & ALICE Sts., OAKLAND. Alterations.
Owner—Treasury Dept., U. S. Govt., Washington, D. C.
Architect—Not Given.
Contractor—F. J. Early Jr., 366 40th St., Oakland. $5300

ALTERATIONS
(451) NO. 280 PANORAMIC WAY, BERKELEY. Alterations.
Owner—Dr. W. F. Hoyt, Premises.
Architect—Not Given.
Contractor—A. Cederborg, Oakland. $2000

ADDITION
(452) NO. 1466 THIRTY-SIXTH AVE One-story brick addition to machine shop.
Owner—Thomas August, Premises.
Architect—R. C. Schuppert.
Contractor — Rudolph Pfeiffer, 6221 Bromley St., Oakland. $4000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
103	S. P.	Hawkins	2790
104	Mann	Person	2557
105	Molendi	Bourdieu	4585

ALTERATIONS
(103) 65 MARKET ST.; alterations to offices in general offices building.
Owner—Southern Pacific Co., 65 Market Street.
Architect—Not Given.
Contractor—R. A. Hawkins Co., 1182 Market Street.
Filed Nov. 9, '34. Dated, Nov. 7, '34 Payments Omitted.
TOTAL COST, $2790.00
Bond, $2790. Sureties, U. S. Guarantee Co. Limit, 30 calendar days. Plans and specifications filed.

ALTERATIONS
(104) NO. 120 SAN BUENA VENtura Way. All work for alterations to dwelling.
Owner—Mr. and Mrs. Geo. M. Mann, Premises.
Architect — Roland Irving Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Luis Road, Berkeley.
Filed Nov. 13, '34. Dated Nov. 7, '33.
Frame up $639.25
Brown coated interior and exterior 639.25
Upon completion 639.25
Usual 35 days..... 639.25
TOTAL COST, $2557.00
Bond, $1278. Surety, The Fidelity & Casualty Co. of New York. Limit, completed on or before January 30, 1935. Forfeit, none. Plans and specifications filed.

DWELLING
(105) W DEHARO ST. 175 S 18th St. running along DeHaro 25 W 138.15 NE 30 E 123. All work for one-story and basement frame dwlg.
Owner—Nello Molendi, 650 DeHaro St., San Francisco.
Architect—Not Given.
Contractor—J. E. Bourdieu, 2526 20th St., San Francisco.
Filed Nov. 14, '34. Dated Nov. 8, '34.
1st story plates installed..... $917
Roof completed and frame up.... 917
1st coat plaster completed..... 917
Upon completion 917
Usual 35 days..... 917
TOTAL COST, $4585
Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS
ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
57	Nineteenth	Cone	1691

ALTERATIONS
(57) No. 244 LAKE SIDE DRIVE, Oakland. All work for alterations to billiard room.
Owner—Nineteenth Realty Co.
Architect—Edw. T. Foulkes, 357 12th St., Oakland.
Contractor — Wilbur C. Cone, 412 Staten St., Oakland.
Filed Nov. 9, '34. Dated Nov. 7, '34.
On or before 6th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1691
Bond, $846. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY UNDER $1000

ALTERATIONS, $194; 836 Contra Costa St., Berkeley; owner, Geo. E. Robinson, Premises; contractor, Brockhurst Tile Co., 2819 Shattuck Ave.

ADDITION, $300; 9239 Walnut Street, Oakland; owner, S. J. Prunetti, Premises.

ADDITION, $100; 2100 Rosedale Ave., Oakland; owner, T. B. Ivy, 2100 Rosedale Ave.

ALTERATIONS, $35; 1807 74th Ave., Oakland; owner, J. M. and Agnes E. Evans, Premises.

ALTERATIONS, $375; 3427 Morrison St., Oakland; owner, H. H. DuBois, Premises.

ALTERATIONS, $20; 1728 14th Street, Oakland; owner, Mrs. C. Govaer, Premises.

TERMITE repairs, $40; 3233 Ardley Ave., Oakland; owner, John F. Parker, 3233 Ardley St.; contractor, Larry Burror, 642 14th St.

ALTERATIONS, $500; 414 14th Street, Oakland; owner, Ted Washauer, Premises; contractor, Bay City Cabinet Co., 1076 5th St.

SIGN, electric, $75; 4601 Grove St., Oakland; owner, Porfido Buffet, Premises; contractor, Imp Elec. Sign Co., 2228 Myrtle St.

SIGN, electric, $75; 1005 Fruitvale Ave., Oakland; owner, Colonels Buffet, Prem.; contractor, Radiant Neon Display, 2561 San Pablo Ave.

SIGN, electric, $150; 372 14th Street, Oakland; owner, Trail Candies, Premises; contractor, Elec. Prod. Corp., 950 30th St.

REPAIRS, $98; 322 Athol Ave., Oakland; owner, M. J. Bleuel, Central Bank Bldg.

RESHINGLE, $72; 2142 47th Avenue, Oakland; owner, C. F. Randall, 2142 47th Ave.; contractor, L. L. Lininger, 2161 47th Ave.

RE-ROOF, $216; 5550 Lawton Ave., Oakland; owner, Mrs. M. E. Parkinson, Premises; contractor, New Art Roofing Co., 1307 - 1311 Fruitvale Ave.

ALTERATIONS, $350; 1615 Broadway Oakland; owner, H. C. Morris Co. and A. H. Lent, Federal Realty Bldg.

ADDITION, $150; 1285 58th Ave, Oakland; owner, Malinda J. Wigginton, 1285 58th Ave.

REPAIRS, $35; 6185 Buena Vista Ave. Oakland; owner, W. E. Clayton, Premises; contractor, J. L. Rich, 556 37th St.

TERMITE repairs, $40; 3238 Randolph Ave., Oakland; owner, Mrs. Clara Edgarton, Premises; contractor, Larry Burror, 642 13th St.

TERMITE repairs, $35; 3239 Ardley Ave., Oakland; owner, Lillian Myers, 1310 82nd Ave.; contractor, Larry Burror, 642 14th St.

SIGN, electric, $75; NE 65th St. and San Pablo Ave., Oakland; owner, V. Bergeron, Prem.; contractor, Imp Elec. Sign Co., 2228 Myrtle.

SIGN, electric, $250; 241 E-14th St., Oakland; owner, Overland Oil Co., Premises; contractor, Elec. Prod. Corp., 950 30th St.

GARAGE, $100; 1346 Curtis St., Berkeley; owner, M. MacLaughlin, Premises.

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BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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17.—Theatres
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20.—Misc. Supplies &

1— APARTMENTS

Plans Being Figured—Bils Close Nov. 22nd.

APARTMENTS Cost, $6000
SAN JOSE, Santa Clara Co., Calif. Ninth and San Carlos.
Two - story frame and stucco apartment building (two 4-room apts.) shingle roof, gas heating system, hardwood floors, tile floors in bath, etc.
Owner—N. C. Riley.
Architect—Charles McKenzie, Twohy Bldg., San Jose.

3— CHURCHES

Sub-Contracts Awarded.

CHURCH Cast, $45,000
BERKELEY, Alameda Co., Cal. Vine and Walnut Streets.
One-story frame and stucco church (auditorium to seat 300, 10 classrooms, social hall with stage) tile and composition roof, hot air heating system, etc.
Owner — Church of Jesus Christ of the Latter Day Saints.
Architect — Theo. Ruegg, 1515 Tyler St., Berkeley.
Supt. of Constr.—Fred Ebersole, 2929 Harper St., Berkeley.
Lumber—Hogan Lumber Co., Second and Alice Sts., Oakland.
Concrete—Stead Bors., 3206 Boise St., Berkeley.
Excavation—J. Catucci, 1212 18th Ave., Oakland.
Awards on other portions of the work will be made shortly.

Preparing Plans.

CHURCH Cost, $19,500
WOODLAND, Yolo Co., Cal.
Construct new church building (replace one recently destroyed by fire).
Owner—St. John Evangelical Church (Rev. Carl Saenger, Pastor).
Architect — W. E. Coffman, Forum Bldg., Sacramento.

4— FACTORIES & WAREHOUSES

Plans Being Figured

ADDITION Cost. $25 000
SAN FRANCISCO. S Brannan Street between 2nd and 3rd Sts.
Addition to 4-story mill building (55x 137 feet).
Owner—San Francisco Warehouse Co.
Engineer—Ellison & Russell, Pacific Building.
Bids are being received from two contractors only.

Bids Rejected

PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton Wharf.
One - story corrugated iron shipside plant (500 ft. long by 78 ft. wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary) 16 California St., San Francisco.
Plans by Engineering Dept. of Owner
Bids ran high and were rejected. Plans will be revised and new bids asked shortly.

Contract Awarded

ALTERATIONS Cost, $3000
SAN FRANCISCO. 657 Mission St.
Alterations to warehouse and offices.
Owner—Owl Drug Co., 657 Mission St.
Architect—Not Given.
Contractor—Louis C. Dunn, Monadnock Building.

CONTRACT AWARDED

FILLMORE, Ventura Co., Cal.—Rainey & MacIsaac, 6624 Stanford Ave., Los Angeles, awarded contract by Fillmore Citrus Association at $55,509 for adding a new reinforced concrete unit to the association's orange packing plant in Fillmore. Bids for the air conditioning system, sheet metal, plumbing and painting will be opened next week. Roy C. Wilson, Say Road, Santa Paula, architect. Other bids were: W. L. Snook, $56,-200; John T. Bibb, $56,362; Myers Brothers, $56,410; Steel Bros., $56,-990; Robert E. Millsap, $57,470; Lindgren & Swinerton, $57,530; Wm. P. Neil Co., $57,544; Adolph Schroeder, $59 356, Wm. T. Loesch & Son, $61,-553.

Foundation Bids Wanted

SUGAR PLANT Cost, $1,500,000
CLARKSBURG, Yolo Co., Calif. One-half mile north of Clarksburg (100 acres).
Construct new sugar refinery (steel, brick or concrete structures; plant will comprise six buildings, railway tracks and spurs, cattle feeding pens and warehouses for shipping).
Owner—Amalgamated Sugar Co. (H. A. Benning, Vice President) Ogden, Utah.
Engineer—A. J. Forbess, Clarksburg.
Bids are being received on the concrete foundations. Bids will be taken on other portion of the work shortly in Clarksburg by A. J. Forbess.

Contract Awarded

ADDITION Cost, $5000
OAKLAND, Alameda Co., Calif. 1466 36th Avenue.
One-story brick addition to machine shop.
Owner—Thos. August, 1466 36th Ave., Oakland.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Contractor—Rudolph Pfeiffer, 6221 Bromley St., Oakland.

6—GARAGES & SERVICE STATIONS

Concrete Contract Awarded

SERVICE STATION Cost, $8000
SAN FRANCISCO. SW Balboa Street and Arguello Blvd.
One - story Class A greasing station and one-story Class A service station.
Owner—Standard Oil Co., 225 Bush.
Plans by Engineering Dept. of Owner.
Concrete—Fred. J. Early, 369 Pine St.

Bids Wanted—To Close November 30, 2:30 P. M.

GARAGES Cost, $——
SAN FRANCISCO. Fort Miley.
One 11 unit garage (112.7" long) with alternate for additional three units (total length of 143.1") including roadwork and pavement. (reinforced concrete construction, up-swing doors, tar and gravel roof, 4-in. tile partitions).
Owner—United States Government.
Plans by Veterans Administration Facilty, Palo Alto.
Plans and specifications may be obtained from above office.

Electrical Contract Awarded

SERVICE STATION Cost, $——
BAKERSFIELD, Kern Co., Calif.
Steel service station.
Owner—Union Oil Company.
Plans by Engineering Dept. of Owner, Bakersfield.
Electric—Jim Baker. Bakersfield.

Plans Completed.

GARAGE Cost, $15,000
REDDING, Shasta Co., Cal. California Street.
One-story reinforced concrete garage building (steel trusses, steel sash, concrete floors, tar and gravel roof, etc.)
Owner—Thatcher & Lowden.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Upon approval of plans of owner, bids will be asked.

Construction Under Way.

SERVICE STATION Cost, $7500
BERKELEY, Alameda Co., Cal. NE Gilman and Neilson Streets.
Reinforced concrete service station (3 pumps, lift building, etc.)
Owner—B. B. Maynard Co., 3708 Balfour St., Oakland.
Architect—R. C. Schuppert, 4637 Park Blvd., Oakland.
Wark is under way by owner.

Plans Being Prepared

SERVICE STATION Cost, $10,000
MARYSVILLE, Yuba Co., Cal. NE Fifth and E Streets.
Steel service station.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Bids will be asked in about two weeks.

7— FEDERAL BUILDINGS

BIDS WANTED

SAN FRANCISCO—Until November 21, 11 A. M., bids will be received by Public Works Officer, Twelfth Naval District, Room 518 100 Harrison St., for repairing an existing refrigeration plant, having equipment located in several buildings and for consolidating and reinstalling equipment in one basement room of Building No. 11, at the Receiving Ship Station, Yerba Buena Island, San Francisco. Spec. No. 7830.
Plans and specifications may be obtained from above office or from the Chief of the Bureau of Yards and Docks, Navy Department, Washington, D. C., upon deposit of $5.

COMPLETE BIDS

BEVERLY HILLS, Los Angeles Co. Cal.—As previously reported, Neuman Bros., McMinnville, Oregon, at $966, submitted low bid to Treasury Department, Washington, D. C., for

painting the plaster in the U. S Post Office, Beverly Hills. Complete bids follow:

Neuman Bros., McMinnville, Ore.	$ 966
Patterson Bros., Oakland	1120
D. Zelinsky & Sons, L. A.	1218
A. M. Golden Co., Chicago	1293
H. J. McKinley, Beverly Hills	1358
J. P. Carroll Co., Los Angeles	1614
Chris. Heinshergen, L. A.	1680
Wm. Gelfan, Los Angeles	1734
A. N. Klass, Los Angeles	1850

Complete Bids.

POST OFFICE Cost, $63,800
TORRANCE, Los Angeles Co., Calif. Marcelina Avenue.
Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — Harold Hansen, 1185 Flores St., Los Angeles, $34,876.
Complete bids follow:

Harold Hansen, Los Angeles	$34,876
Bettenson Constr. Co., Long Beach	37,386
L. F. Dow Co., Los Angeles	37,700
Schuler & McDonald, Oakland	38,473
Theo. A. Beyer Corp., L. A.	39,000
N. A. Anderson, Los Angeles	41,200

Bids held under advisement.

LOW BIDDERS

PEARL HARBOR, T. H. — Pioneer Constr. Co., Textile Tower, Seattle, Wash., at $151,300 submitted low bid to Bureau of Yards and Docks, Navy Department, Washington, D. C., for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor. The work includes concrete, hollow concrete unit work, steel and iron work, built-up roofing and sheet metal, pressed steel doors, steel windows, stucco and plastering, marble work, plumbing, refrigerating drinking fountain and electric work. Specification No. 7770.

Second low bid was submitted by George Hess, Los Angeles, at $168,878.

CONTRACT AWARDED

SAN RAFAEL, Marin Co., Cal.—A. H. Seimer, San Anselmo, at $265 awarded contract by Treasury Department for clearing the site of the proposed new U. S. Post Office building at San Rafael.

CONTRACT AWARDED

DOUGLAS, Ariz.—Ed. Powell, 726 12th St., Douglas, Ariz., at $3,810 was awarded contract by Treasury Department for interior painting and miscellaneous repairs to the U. S. post office at Douglas.

CONTRACT AWARDED

PUGET SOUND, Wash.—Otis Elevator Co., Washington, D. C., at $4,950 awarded contract by Bureau of Yards and Docks, Navy Department, Washington, D. C., for elevator repairs at the Naval Hospital, Puget Sound.

BIDS OPENED

SAN FRANCISCO—R. S. Silverberg, 405 Montgomery St., at $98 submitted low bid to Veterans Administration Facility, Palo Alto, for installation of one overhead door, garage entrance, Building No. 11, at Fort Miley, San Francisco. Only other bid was submitted by Robert Galway at $125. Bids held under advisement.

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal.—Until November 21, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton, Field, for the installation of runway marker lights at Hamilton Field.

Plans and specifications may be obtained from the above office upon deposit of $5.00 and a copy of plans may be seen at the Builders' Exchange, 666 Mission St., San Francisco, and at the Office of the Constructing Quartermaster, Fort Mason.

BIDS WANTED

MARE ISLAND, Calif.—Until Nov. 28, 11 A M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for remodeling an existing elevator of Otis Elevator Co. manufacture, Serial No. 83660, at the U. S. Navy Yard, Mare Island; Spec. No. 7846.

Plans and specifications may be obtained from above office upon deposit of $5.00.

Low Bidders

ADDITION Cost, $——
SAN FRANCISCO. Fourteenth Ave. and Lake St. (Marine Hospital).
Construct addition to plauge laboratory.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—M. E. Vukicevich, 666 Mission St., San Francisco.
Following are the three low bids:

M. E. Vukicevich, S. F.	$ 9,975
DeLuca & Sons, S. F.	10,176
F. J. Reilly, S. F.	10,230

PROSPECTIVE BIDDERS

PALO ALTO, Santa Clara Co., Cal.—Following have procured plans for the purpose of submitting a bid to the Supervising Superintendent of Construction, Palo Alto, for complete revisions to Building N. 105 (previously reported as Building No. 205) at the Veterans' Administration Facility at Palo Alto. Work involves wrought iron and wire grilles and complete remodeling of interior for use as mental ward:

Monson Bros., 475 6th Street, San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco.
Chas. J. U. Koenig, 520 Church St. San Francisco.
Standard Fence Co., 60th and Lowell Sts., Oakland.
Anchor Post Fence Co., 460 Fifth St., San Francisco.
A. Holyoake, 2839 East Ave., Hayward.
N. H. Sjoberg & Sons, 74 New Montgomery St., San Francisco.
George Moore, 531 Stanford Avenue, Palo Alto.
W. P. Goodenough, 569 Lowell Ave. Palo Alto.
John E. Branagh, 116 Monticello St. Oakland.
Associated Hardware Co., 3860 San Pablo Ave., Oakland.
I. A. Farringer, 1806 Central Ave., Alameda.
Fred. W. Snook, 596 Clay St., San Francisco.

Plans Being Figured—Bids Close Nov. 23rd.

ADMINISTRATION BLDG. Cost, $50,000
BONNEVILLE, Oregon.
One-story brick veneer and frame administration building and auditorium (40x70 feet) will include boiler room and steam heating plant, stage, etc.
Owner—United States Government.
Architect — Hollis Johnson, Pittock Bldg., Portland.
Plans and specifications may be obtained from District Engineer, Major Charles Williams, Customhouse, Portland, Oregon.

Contract Awarded

POST OFFICE Cont. Price, $37,347
COLTON, San Bernardino Co., Calif.
One - story and part basement post office building (65x70 ft.) concrete walls, cement dash exterior finish, tile and composition roof, steel windows, wood shutters, wrought iron railings, steel rolling curtains cork carpet, 1-pipe, low pressure heating system, etc.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Schuler & McDonald, 1723 Webster St., Oakland.

Contract Awarded.

POST OFFICE Cont. Price, $30,990
SANTA CLARA, Santa Clara Co., Cal. SW Franklin and Jackson Streets.
One-story Post Office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 ft.; Mission style.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.

Supplemental Bid Opening Dec. 3rd.

POST OFFICE Cost, $56,300
MONTESANO, Washington.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
On previous bid opening lowest bid was submitted by Standard Constr. Co., Tacoma, Wash., at $41,724 (Item 1) and $41,524 (Item 2).

BIDS WANTED

OREGON CITY, Ore.—Until Dec. 7, bids will be received by the Custodian, U. S. Post Office, Oregon City for completion of basement of the post office at Oregon City.

CONTRACT AWARDED

DOUGLAS, Arizona. — Ed. Powell, Douglas, Ariz., at $3,810 awarded contract by Treasury Department for painting interior of the post office at Douglas.

Prospective Bidders.

POST OFFICE Cost, $66,600
REDWOOD CITY, San Mateo Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids close December 10, 1 P. M.:
W. F. Jackson Co., Inc., Denrike Bldg., Washington, D. C.
Mechanical Engineering Service, 1315 H St., NW Washington, D. C.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
A. W. Parker, 5526 Morse Drive, Oakland.
on deposit of $15.00.

8— CLUB BUILDINGS

Preparing Plans

TENNIS COURTS Cost, $20,000
BURLINGAME, San Mateo Co., Cal.
Construct three new tennis courts (first unit) work will involve the construction of a new clubhouse and six tennis courts.
Owner—Peninsula Tennis Club, Inc., (Coolidge C. Kreis, Pres.) Crocker Bldg., San Francisco.
Architect—James H. Mitchell, 369 Pine St., San Francisco.
The construction of the clubhouse will probably not go ahead for two years.

Plans To Be Prepared.

HOME Cost, $15,000
SAN RAFAEL, Marin Co., Cal.
Construct new home for aged.
Owner—Evangelical Home for Aged, Sloss Memorial, (A. Leonard, Manager), San Rafael.
Architect—To Be Selected.
Further details will be announced about December 10.

9— HOSPITALS

Plans Being Figured—Bids Close Dec. 3, 11 A. M.
WARDS Cost, $——
FAIRFIELD, Solano Co., Cal. County Hospital.
Two one-story psychopathic wards for county hospital.
Owner—County of Solano.
Plans by County Engineer, Fairfield.
Plans and specifications may be obtained from the County Engineer.

To Ask New Bids
ALTERATIONS Cont. Price, $3,348
WOODLAND, Yolo Co., Calif. County Hospital Grounds.
Alterations to half of basement to provide for 30 additional beds at Yolo County Hospital (basement to be walled and floored with concrete; heating and plumbing facilities, etc.)
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Due to error in the official advertisement for above project, new bids will be asked shortly. Contracts were previously awarded to J. G. Motroni, Woodland, on the general contract at $3,348 and the plumbing and heating contract awarded to Woodland Plumbing and Hardware Co., Woodland, at $850.

Additional Sub-Contracts Awarded.
HOME Cont. Price, $67,388.50
EL CERRITO, Contra Costa Co., Cal. Outside Berkeley city limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard, Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Roofing—Western Roofing Co., 24th & Poplar Sts., Oakland.
Pouring Concrete — Louis Sartorio, 2627 Lombard St., San Francisco.
As previously reported, plumbing awarded to J. A. Fazio, 2059 Webster St., Oakland; excavation to J. Catucci 1212 18th Ave., Oakland; reinforcing steel and steel sash to Truscon Steel Co., 604 Mission St., San Francisco; heating to Scott Co., 113 10th Street, Oakland

10— HOTELS

Contract Awarded
ALTERATIONS Cost, $3,000
SAN FRANCISCO. 623 O'Farrell St.
Alterations to hotel building.
Owner—Samuel Knight, Sansome and California Streets.
Architect—Not Given.
Contractor—Ruegg Co., 369 Pine St.

Plans Being Prepared
ALTER HOTEL Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Remodel Santa Rosa Hotel (new heating, plumbing, redecorating, etc.)
Owner—Santa Rosa Hotel.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

12— POWER PLANTS

BONDS CARRIED
SACRAMENTO, Cal.—A bond issue of $12,000,000 was authorized by voters of Sacramento Municipal Utility District at the election November 6. Proceeds are to be used in construction of steam operated electric power plant to cost $3,300,000 and electric distribution system to cost $7,500,000. District includes Sacramento County and a portion of Placer County.
Albert Girvan, Chief Engineer, Royal Miller, chairman of the Board of Directors. The District has offices at Ninth and I Sts., Sacramento.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACT AWARDED
MONTEREY, Monterey Co., Calif. —H. C. Geyer, 946 Hellam St., Monterey, at $3,597 awarded contract by City Council for improvement of the brown adobe exterior of the building situated on Colton Hall Site (Madison Street) Monterey. Plans prepared by Architects W. O. Raiguel and C. J. Ryland, Del Monte Hotel, Monterey.

BIDS REJECTED
MONTEREY, Monterey Co., Cal.—City Council rejected all bids for office furniture, furnishings and equipment and for installation of same in the City Hall, Monterey, including the buildings and structures owned by the city on and adjacent to Colton Hall Park, Monterey. *

BIDS WANTED
SAN FRANCISCO.—Until Nov. 21, 1:45 P. M., informal bids will be received by the Department of Public Works, Room 251, City Hall, for the repairing of locking devices and cell doors at the City Prison. Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall. No deposit required for plans.

BIDS OPENED
SAN QUENTIN, Marin Co., Cal.—Yuba Manufacturing Co., Balfour Bldg., San Francisco, at $805 submitted low bid to State Purchasing Department, Sacramento, for window guards for the State Prison at San Quentin. Complete bids follow:

Yuba Mfg. Co., S. F.	$ 805
Golden Gate Iron Works, S. F.	919
Monarch Iron Works, S. F.	986
Natonal Orn. Iron Works, S. F.	989
Palm Iron Works, Sacto.	1182
Anchor Post Fence Co., S. F.	1200
Lutgi Iron Works, S. F.	1220
Standard Fence Co., S. F.	1365
Schrader Iron Works, S. F.	1529
Michel & Pfeffer Iron Works, San Francisco	1690
Mortenson Const. Co., S. F.	1782
San Fancisco Wire & Iron Works San Francisco	2067
Golden West Iron Works, San Francisco	2222

Bids held under advisement.

Prosective Bidders.
COURT HOUSE Cost, $1,800,000
OAKLAND, Alameda Co., Cal. Fallon and Twelfth Streets, Oak and 13th
Twelve-story fireproof frame, reinforced concrete walls, permanent and earthquake resistive; plumbing, heating, ventilating, electric work, elevators (to house all county offices and courts) three lower floors to be 176x245 ft. and upper floors 116x116 feet.
Owner—County of Alameda
Architects—W. G. Corlett, James E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).
Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.
Following have procured Plans. Bids close December 12, 10:30 A. M.:
K. E. Parker Co., 135 South Park, San Francisco.
MacDonald & Kahn, Financial Center Bldg., San Francisco.
N. Clark & Son, 116 Natoma St., San Francisco.
Pacific Electric Mfg. Co., 5815 3rd St., San Francisco.
James F. Smith, 271 Minna St., San Francisco.
Rhodes & Kennedy, Inc., 101 4th St. Oakland.
J. A. Fazio, 2059 Webster St., Oakland.
NePage-McKenney, 7 Front St., San Francisco.
Spencer Electric Co., 2059 Webster St., Oakland.
Schuster & Hudson, 175 12th Street, Oakland.
Moore Dry Dock Co., Foot of Adeline St., Oakland.
Pacific Electric Motor Co., Tenth and Oak Stst., Oakland.
Judson Pacific Co., Foot of Park Ave., Oakland.
Westinghouse Electric Elevator Co.
George Petersen, 1841 Bancroft St., San Leandro.
Otis Elevator Co., 1 Beach St., San Francisco.
Matson Seabrooke, 4115 Broadway, Oakland.
Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.
Associated Hardware Co., 3860 San Pablo Ave., Oakland.
Max Finzel, 2025 Hopkins St., Oakland.
Alta Electric & Mechanical Co., 467 O'Farrell St., San Francisco.
Maxwell Hardware Co., 1320 Washington St., Oakland.
Alfred H. Vogt, 250 11th St., San Francisco.
Pauli Jail Co.
Bids are being taken as follows:
(1) Lump sum bid covering entire project, including furnishing and installation of jail equipment;
(2) Lump sub mid similar to (1) but excluding furnishing and installing of jail equipment;
(3) Lump sum bid similar to (2) but excluding (a) excavation and foundation wok; (b) structural steel and erection; (c) elevators; (d) mechanical work;
(4) Excavation and foundation work;
(4) Excavation and foundation work;
(5) Structural steel and erection;
(6) Elevators;
(7) Mechanical works;
(8) Furnishing and installing jail equipment.
Plans and specifications may be obtained from County Clerk's Office arter 2 P. M., November 9, upon deposit of $100 for general plans and $50 each for all other portions of the work.
Work financed by bond proceeds of $1,712,000 and a PWA grant of $462,000.

14— RESIDENCES

To Be Done By Day's Work
RESIDENCE Cost, $3500
BERKELEY, Alameda Co., Cal. 1341 Curtis Street.
One - story and basement frame and stucco residence (five rooms).
Owner and Builder—C. M. McGregor, 1391 Solano Ave., Berkeley.
Plans by Owner.

Contracts Awarded
ADDITION Cost, $——
SAN FRANCISCO. 2100 Jackson St.
Addition to pent house.
Owner—Mrs. Levin.
Architect—Albert Burgren, 30 Woodland Avenue.
Contractor—Ira Coburn, 2048 Market Street.
Concrete—Peter Sartorio, Monadnock Building.
Glass—F. J. Fuller Co., 2052 Market.
Electric — Golden Gate Electric Co., 1526 California Street.
Plastering—Vance Petersen, 161 Del Monte.
Plumbing and Heating—George Rehn,

1919 Mission Street.
Tile—Ginsberg Tile Co., 540 Turk St.

Preparing Sketches.
RESIDENCE Cost, $8,000
ATHERTON, San Mateo Co., Calif.
Two - story and basement frame and stucco residence.
Owner—Withheld.
Architect — Clarence A. Tantau, 210 Post St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $4000
SAN FRANCISCO. E DeHaro St. 175 S Eighteenth St.
One-story and basement frame and stucco residence.
Owner — Nello Molendi, 650 DeHaro St., San Francisco.
Architect—Not Given.
Contractor—J. B. Bourdieu, 2625 20th St., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 1051 Hamline Street.
One-story and basement frame and stucco residence (5 rooms).
Owner—Lee L. Anderson, 1037 Hamline St., San Jose.
Architect—Not Given.

BIDS OPENED
GRAND COULEE, Wash.—McDonald and Gunmere, Coulee Dam, at $94-402 submitted low bid to U. S. Bureau of Reclamation, Almira, Washington, for the construction of fourteen 3-room and sixteen 4-room residences at Government Camp at the Grand Coulee Dam, Columbia Basin Project, Wash. Buildings will be 1-story and basement timber frame construction, shingle or siding exterior, wood shingle roofs, plaster interior walls, etc; Spec. No. 599.
Complete bids follow:
J. W. Bailey Const. Co., Seattle ..... $ 97,964
G. C. Gorsuch, Wenatchee..... 101,253
Hazen & Clark, Spokane..... 101,588
Clark & Earley, Tacoma..... 101,784
Potucek & Dahlquist, Tacoma 104,670
House, Whinn & Pierce, Spokane 105,069

Being Done By Day's Work.
RESIDENCE Cost, $11,500
CHICO, Butte Co., Cal. Third Street bet. Orient and Olive Streets.
Two-story and basement frame and stucco residence.
Owner — Dr. and Mrs. N. T. Enloe, Chico.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 5248 Golden Gate Avenue.
One-story and basement frame and stucco residence (6 rooms).
Owner—Ralph Hodgson, 2236 Channing way, Berkeley.
Architect—Not Given.
Contractor — Henry W. Arnold, 816 Oak St., Oakland.

Contract Awarded.
RESIDENCE Cost, $2000
SAN MATEO, San Mateo Co., Cal. No. 2600 El Camino Real.
One-story frame and stucco residence.
Owner — Dr. Harold Heath, 2600 El Camino Real, San Mateo.
Architect—Not Given.
Contractor — F. N. Gesso, 1201 Vancouver St., San Mateo.

Bids Rejected
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. NE 21st Street bet. 12th and 14th.
One - story and basement frame and stucco residence (3 rooms) Spanish style; tar, gravel and tile roof.
Owner—John Carlson.
Architect—Guy L. Brown, American Bldg., Oakland.
Low Bidder—J. B. Petersen, 4021 Agua Vista Ave., Oakland.
Following bids received and rejected:
J. B. Petersen, Oakland $2,386
W. C. Constable, Oakland..... 2,570
Oscar Reite, Oakland..... 2,697
Plans will be revised and new bids asked shortly.

To Be Done By Day's Work
RESIDENCE Cost, $3000
SAN FRANCISCO. E Tocoloma, 341 N Blanken.
One - story and basement frame and stucco residence.
Owner—Wm. H. Grahn, 2965 Mission.
Architect—Not Given. 1

Contract Awarded.
ALTERATIONS Cost, $2557
SAN FRANCISCO. No. 120 San Beuna Ventura Way.
Alterations to frame residence.
Owner—George M. Mann, Premises.
Architect—Roland Irving Stringham, 525 Market St., San Francisco.
Contractor—Emil Person, 829 San Luis Road, Berkeley.

Preparing Preliminary Plans.
RESIDENCE Cost, $5500
OAKLAND, Alameda Co., Cal. 35th Avenue.
Two-story frame and stucco residence (6 rooms) Colonial Style; shingle roof, hardwood floors, etc.
Owner—Withheld.
Architect—Guy L. Brown, American Bldg., Oakland.

Contract Awarded
RESIDENCE Cost, $4000
SAN FRANCISCO. SW Lane and McKinnon Streets.
One - story and basement frame and stucco residence.
Owner—L. Froment, 235 23rd Avenue.
Architect—Not Given.
Contractor—Acme Const. Co., 301 Evergreen Street.

To Be Done By Day's Work
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Calif. 4361 Bridgeview Drive.
Two-story frame and stucco residence (six rooms).
Owner—C. O. Pershel, 4276 Fruitvale Ave., Oakland.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $5000
SAN FRANCISCO. E Twenty-first Ave. 175 S Lawton St.
One-story and basement frame and stucco residence.
Owner—Andrew Vigen, 1346 40th Ave., San Francisco.
Architect—Not Given.
Contractor — Thorsen & Kirkevoog, 1878 Church St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $3000
SAN FRANCISCO. E Andover St. 145 N Courtland Ave.
One-story and basement frame and stucco residence.
Owner—Adolph P. Schmidt, 1358 Potrero Ave., San Francisco.
Architect—Not Given.
Contractor — Schmidt Bros., 1395 Hampshire St., San Francisco.

Plans Being Completed
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co.
Two-story and basement frame, stucco and brick veneer residence (nine rooms, 4 baths) shake roof, gas heating system, hardwood floors, tile baths, etc.)
Owner—Lloyd Simpson.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Bids will be asked in about two weeks.

Plans Being Prepared.
RESIDENCE Cost, $4000
HAYWARD, Alameda Co., Cal.
One-story frame and stucco residence (6 rooms); shake roof, hardwood floors, tile bath, etc.)
Owner—Withheld.
Contractor—Geo. Simonds, 192 Main St., Hayward.

Construction Postponed Indefinitely.
RESIDENCE Cost, $——
ROSS, Marin Co., Cal. Del Mesa.
Two-story and basement frame and stucco residence (9 rooms and 4 baths) shingle roof, gas heating system, hardwoood floors, tile baths.
Owner—Dr. M. E. Hazeltine, 510 B St. San Rafael.
Architect—Carl F. Gromme, Masonic Bldg., San Rafael.
On bid opening, lowest bid was submitted by W. F. Wagner, 225 Monte Vista Ave., Larkspur, at $12,232.

15— SCHOOLS

Contract Awarded.
GYMNASIUM Cost, $8016
RICHMOND, Contra Costa Co., Calif. Roosevelt Junior High School.
Steel frame for Roosevelt Junior High School gymnasium.
Owner—Richmond Union High School District.
Architect—Louis S. Stone, 785 Market St., San Francisco.
Contractor—Independent Iron Works, 821 Pine St., Oakland.
Complete bids follow:
Independent Iron Works, Oakland ..... $ 8,016
Schrader Iron Works, S. F..... 9,370
Herrick Iron Works, Oakland..... 11,540
Judson Pacific Co., S. F..... 15,652
Bids held under advisement.

Plans Awaiting PWA Approval
SCHOOL Cost, $100,000
SAN FRANCISCO. Thirtieth Avenue near Lawton Street.
Two-story and basement school building (Lawton School) fifteen classrooms, auditorium, kindergarten; tar and gravel roof, steam heating system, concrete frame, concrete walls, concrete floors, wooden studs, metal lath, etc.
Owner—City and County of San Francisco.
Architect—Dodge R. Riedy, Pacific Bldg. and Charles E. J. Rogers, Phelan Bldg.
Structural Engineer—Hyman Rosenthal, 821 Market Street.
Mechanical Engineer — Robert L. St. John, 544 Market Street.
Plans and specifications have been submitted to C. E. Hickok, Northern California District Engineer of PWA, for approval.

COMMISSIONED TO PREPARE PLANS
CULVER CITY, Los Angeles Co., Calif. — Architects Marsh, Smith and Powell, 816 W 5th St., Los Angeles, commissioned to prepare plans and specifications for the reconstruction, rehabilitation and strengthening of the Culver City and Washington grammar schools by the Culver City School District. The sum of $50,000 was voted July 30 for the work. 5

LOW BIDDER
LOS ANGELES, Cal.—Duff & Vandenhoogen Co., 733 W 14th St., Long Beach, submited low bid at $73,250 to the Los Angeles board of education for reconstructing, rehabilitating and strengthening the main building at the Leland Street school, 2112 Leland St., San Pelro. M. L. Barker and G.

L. Ott, 346½ S. La Brea Ave., Los Anfieles, architects, and L. J. Waller, 4350 Beverly Boulevard, Los Angeles, structural engineer.

LOW BIDDER

COMPTON, Los Angeles Co., Cal.—T. P. Schultz, 911 N. Chester Avenue, Compton, submitted low normal bid to Board of Public Building Reconstruction at $58,900, for reconstructing the Mayo Avenue school, 915 N. Mayo Ave., Compton. H. L. Gogerty, 6272 Yucca St., Los Angeles, architects.

Plans Being Prepared

BUILDING Cost, $——

SANTA ROSA, Sonoma County, Cal. Junior College premises.

One - story frame and brick veneer students' building (30x50 feet; tile roof).

Owner—Santa Rosa Junior College (F. P. Bailey, Dean) Santa Rosa.

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Plans will be completed in about two weeks.

Contract Awarded.

ADDITION Cont. Price, $11,150

SOQUEL, Santa Cruz Co., Cal.

One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).

Owner—Soquel Union Grammar School District.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor — P. T. Wallstrum, 854 Main St., Watsonville.

Bids Rejected.

SHOP Cost, $15,000

SELMA, Fresno Co., Cal.

One - story reinforced concrete shop building (steel trusses, concrete floors, gravel roof) will contain offices and tool room, etc.

Owner—Selma Union High School District (Geo. Howden Principal).

Architect — W. D. Coates Jr., Rowell Bldg., Fresno.

Plans will be reveised and new bids asked at a later date. On bid opening lowest bid was submitted by R. P. Moore, 3662 Verrue St., Fresno, at $17,477.

COMMISSIONED TO PREPARE PLANS

ONTARIO, San Bernardino Co., Cal.—Architect Harry L. Pierce, 1443 Mt. Pleasant St., Los Angeles, commissioned by Chaffey Union High School District to prepare plans for a new liberal arts building to be erected on Chaffey high school site in Ontario. It will be a two-story structure, 62x252 ft. in area, containing classrooms, laboratories and an administration unit. Reinforced concrete walls and floors, fire resistant partitions, plastered exterior, wood roof construction, composition roofing, awning type windows, steam heating system, etc. Estimated cost, $124,000. SERA labor will be used on the project.

November 15, 1934

Plans Being Prepared.

HIGH SCHOOL Cost, $35,000

COVELO, Mendocino Co., Cal.

One-story academic building and frame for gymnasium.

Owner—Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).

Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

CONTRACT AWARDED

BELL, Los Angeles Co., Cal.—Person & Thiele, 6206 San Vincente Blvd., awarded contract by Los Angeles Board of Education, at $230,795 for reconstruction, rehabilitation and strengthening of the main building at Bell High School Train & Cressey, 26 Western Mutual Life Bldg., architects, and Oliver G. Bowen, 1144 Grand Ave, structural engineer.

Preparing Preliminary Plans.

SCHOOL Cost, $40,000

CONCORD, Contra Costa Co., Calif.

Two - story reinforced concrete high school (ten classrooms) tile roof, steam heating system, probably concrete floors.

Owner—Mt. Diablo Union High School District (Miss Bertha Romaine, Principal).

Architect—W. H. Weeks, 525 Market St., San Francisco.

Plans Awaiting Approval

RECONSTRUCTION Cost, $38,000

PITTSBURG, Contra Costa Co., Cal.

Reconstruct Junior high school (first unit).

Owner—Pittsburg School District.

Architect—Louis Stone, Humboldt Bldg., San Francisco.

Plans have been forwarded to the State Division of Architecture, Sacramento, for approval.

Plans are also being prepared for the reconstruction of the Primary School and Intermediate School.

Bonds in the amount of $79,000 were voted October 16 to finance construction.

Preparing Working Drawings.

SCHOOL Cost, $75,000

HEALDSBURG, Sonoma Co., Calif. Luce Estate Property (6.3 acres).

One-story frame and stucco grammar school (13 classrooms, auditorium to seat 600) composition and some tile roofing, steam heating plant.

Owner—Healdsburg Grammar School District.

Architect—John I. Easterly, 302 Grant St., Healdsburg.

Plans will be completed in about eight weeks.

Plans Being Revised

AUDITORIUM Cost, $24,700

LE GRAND, Merced Co., Calif.

One-story frame and stucco combination gymnasium and auditorium (144x88 feet) to contain banquet room, stage, dressing rooms, etc.

Owner—Le Grand Union High School District.

Architect—W. H. Weeks, 525 Market St., San Francisco.

Plans are being revised and will be forwarded to Sacramento for approval in about one week.

Prospective Bidders.

SCHOOL Cost, $200,000

SEBASTOPOL, Sonoma Co., Cal.

Two-story reinforced concrete high school building.

Owner—Analy Union High School District.

Architect—Louis C. Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.

Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.

Mechanical Engineer—Robert L. St. John Co., 544 Market S., S. F.

Following have procured plans. Bids Close December 4, 8 P. M.:

General Work

Frank J. Reilly, 6350 Fulton St., San Francisco.

K. E. Parker Co., 135 South Park, San Francisco.

E. A. Hawkins, 1182 Market St., San Francisco.

A. Nelson, 242 Ocean Ave., San Francisco.

William Spivock, Hobart Bldg., San Francisco.

O. Monson, 475 6th St., San Francisco.

James L. McLaughlin, 251 Kearny St., San Francisco.

DeLuca & Son, 1745 Filbert St., San Francisco.

Frank Kent, 1101 Vernal Way, Stockton.

Fred Betz, 1017 43rd St., Sacramento.

W. J. Smith, Sebastopol.

Young & Horstmeyer, 461 Market St., San Francisco.

Heating

Pacific Heating & Ventilating Co., 2059 Webster St., Oakland.

Carpenter & Mendenhall, 907 Front St., Sacramento.

Frank Hudson, 45 Manor Drive, San Francisco.

Scott Co., 243 Minna St., S. F.

M. J. Reeves Heating Co., 959 Natoma St., San Francisco.

Fred W. Snook, 596 Clay St., San Francisco.

George Bell, 1825 Gleason Way, Oakland.

Electric

Spencer Electric Co., 2059 Webster St., Oakland.

Alta Electric Co., 467 O'Farrell St., San Francisco.

Abbett Electric Co., 126 Sears St., San Francisco.

Empire Electric Co., Santa Rosa.

G. H. Armstrong, 1388 Van Ness Ave., San Francisco.

Central Electric Co., 179 Minna St., San Francisco.

Carpenter & Mendenhall, 907 Front St., San Francisco.

Frank Hudson, 45 Minor Drive, San Francisco.

W. K. Jennings, 58 Spring Grove Ave., San Rafael.

L. A. Drake, Sebastopol.

Bids are being taken for a general contract, with separate bids for electrical work and heating work.

Preparing Plans.

REBUILD SCHOOL Cost, $——

KINGSBURG, Fresno Co., Calif.

Rebuild Roosevelt School.

Owner—Kingsburg Elementary School District.

Architect—W. D. Coates, Rowell Bldg. Fresno.

Bids will be asked immediately for the construction of six bungalows to house students from the Roosevelt School. Further details will be announced shortly.

Plans Completed

SCHOOL Cost, $100,000

SAN FRANCISCO, Patrick Henry School, 18th and Vermont Streets.

Two-story reinforced concrete school unit (8 classrooms).

Owner—City of San Francisco (School Department).

Architect — W. D. Peugh, 333 Montgomery St. and Gardner A. Dailey, 210 Post Street.

Structural Engineer—Walter Huber, 1 Montgomery Street.

Mechanical Engineer—Leland & Haley 58 Sutter Street.

Plans have been forwarded to State Division of Architecture for approval.

Sub-Contracts Awarded

SCHOOL ANNEX Cost, $75,000

SOUTH SAN FRANCISCO, San Mateo County, Calif.

One - story reinforced concrete high school annex (six classrooms and assembly hall).

Owner—South San Francisco High School District.

Architect—E. L. Norberg, 407 Occidental Ave., Burlingame.

Contractor—Einar C. Petersen, 1290 Hayes Street, San Francisco.

Reinforcing Steel—Pacific Coast Steel Co., 20th and Illinois Sts., San Francisco.

Concrete, Lumber and Mill Work—South City Mill & Lumber Co., South San Francisco.

Glass—W. P. Fuller & Co., 301 Mission St., San Francisco.
Other awards previously reported.

Bids Wanted—To Close November 26, 5 P. M.
RECONSTRUCT SCHOOL Cost, $——
PALO ALTO, Santa Clara Co., Calif.
Reconstrut Walter Hays School.
Owner—Palo Alto School District, 543 Channing Ave., Palo Alto.
Architect—Not Given.
Plans and specifications may be obtained from the office of A. C. Barker, Secretary, Palo Alto School Dis-

CONTRACT AWARDED
LOS ANGELES, Cal.—Duff & Vandenhoogen, 733 W. 14th St., Long Beach, awarded contract by Los Angeles Board of Education at $45,350 for reconstructing, rehabilitating and strengthening the main building at Orange Street School, northeast corner of Eschelman Ave. and 259th St., Lomita. C. F. Skilling, 1008 W. Adams Blvd., architect, and S. B. Barnes, 803 W. Third St., structural engineer.

PLANNED
SAN JOSE, Santa Clara Co., Cal—State Department of Public Works, Division of Architecture, has requested San Jose State Teachers' College to furnish a list of building needs of the institution, which might be undertaken in a state unemployment relief building program. An expenditure of $550,000 for such a program is anticipated by college officials.

CONTRACT AWARDED
LOS ANGELES, Cal. — Carlo Bongiovanni, 2561 Canyon Dr., Los Angeles, awarded general contract by Long Beach Board of Education, at $130,923 for construction of academic building at Jefferson Junior High School site. Other contracts awarded were: Heating and ventilating to Clarke Plumbing Co., 3304 E. 7th St., Long Beach, $5190; electric wiring, Kuster-Wetzel Electric Co., 214 E. Broadway, Long Beach, $4360, and plumbing, Economy Plumbing and Heating Co., 537 W. 9th St., Long Beach, $3517. Warren Dedrick, 901 Heartwell Bldg., Long Beach, architect, and C. D. Wailes Jr., Ocean Center Bldg., Long Beach, structural engineer.

CONTRACT AWARDED
LONG BEACH, Los Angeles Co., Cal.—Reed & Malser, 6348 Colgate Ave., Los Angeles, awarded general contract by Long Beach Board of Education at $76,057 (using salvaged materials), and $18,778 for the millwork, for the construction of the chemistry and physics buildings at the Long Beach Junior High School site. Other awards were: Hickman Bros., 910 East Anaheim Street, Long Beach, plumbing and ventilating at $14,774 (using salvage materials); Baty Electric Co., 128 W. 4th Street, Long Beach, electric wiring at $14,075. Kirtland Cutter, Farmers & Merchants Bank Bldg., Long Beach, architect; J. H. Davies and C. D. Wailes, Jr., Ocean Center Bldg., Long Beach, structural engineers. .5

BIDS WANTED
PASADENA, Los Angeles Co., Cal. Until Nov. 27, 1:30 P. M., bids will be received by Pasadena Board of Education for reinforcing and altering the Longfellow Elementary School. Matson & Maybury, 25 S. Euclid Ave., Pasadena, architects Estimated cost $110,000. 15

BOND ELECTION
SANGER, Fresno Co., Cal.—Sanger Union High School District will vote on bond issue on December 4 in the amount of $40,000. Proceeds are to finance construction of a one-story gymnasium at the Sanger High School for the Sanger Union High School District. Preliminary plans prepared by Architect—W. D. Coates, 626 Rowell Bldg., Fresno.

Contract Awarded.
SCHOOL Cont. Price, $14,521
WILLIAMS, Colusa Co., Cal.
Reconstruction of auditorium of the Williams School.
Owner — Williams Union Elementary School District (Ralph F. Fouch, Clerk).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—George Kopp, 1514 15th St., Sacramento.
Complete bids published October 30.

Preparing Working Drawings.
SCHOOL Cost, $——
SAN FRANCISCO. Geary and Scott Streets.
Restoration of portion of Girls' High School (portion recently destroyed by fire).
Owner—City and County of San Francisco.
Architect—H. A. Minton, 525 Market St., San Francisco.
Associate Architects—Henry C. Smith, Humboldt Bank Bldg., and Mark T. Jorgensen, 595 Market Street.

Plans Being Completed.
SCHOOL Cost, $100,000
BAKER, Oregon.
Two-story Junior High School (face brick, masonry walls) 16 classrooms 223x84 feet; gymnasium, lockers, showers .etc
Owner—Baker School District.
Architect — Lee Thomas, Weatherly Bldg., Portland, and Wallace Landreth, Baker, Oregon.
Bids will be asked in about one week.

LOW BIDDER
LOS ANGELES, Cal.—R. E. Campbell, 711 Central Bldg., submitted low bid at $136,750 to Los Angeles board of education for reconstruction, rehabilitation and strengthening of the auditorium and classroom annex at the Polytechnic high school, 400 W. Washington Blvd. A. C. Martin, 228 Higgins Bldg., architect, and Holmes & Narver, 639 S. Spring St., structural engineers.

16—BANKS, STORES AND OFFICES

CONTRACT AWARDED
SAN FRANCISCO.—Fink & Schindler, 552 Brannan St., at $179 awarded contract by Department of Public Works for the construction of a telephone booth in the Mayor's Office, City Hall.

LOW BIDDERS
SACRAMENTO, Calif.—Fink and Schindler, 522 Brannan Street, San Francisco, at $933 submitted low bid to State Division of Architecture for sectional partitions for the Controller's Office, Public Works Building, Sacramento. Second low bid was submitted by Braas & Kuhn, San Francisco at $1,049.

Contracts Awarded
ALTERATIONS Cost, $——
SAN FRANCISCO. Market and Mason Streets.
Alterations and additions to bank and office bldg. (work involves painting, plastering, elevator doors, marble work, mill work, glass etc)
Owner—Capital Co., 625 Market St.
Plans by Construction Dept. of Owner.
Plastering—Vance Petersen, 161 Del Monte.
Carpentry and Mill Work — Langfelder & Schuster, 815 25th Ave.
Marble—Eisele & Dondero, 2895 Third Street.

Contract Awarded.
ALTERATIONS Cost, $1691
OAKLAND, Alameda Co., Cal. No. 244 Lakeside Drive.
Alterations to billiard room.
Owner—Nineteenth Realty Co.
Architect — Edward T. Foulkes, 357 12th St., Oakland.
Contractor—Wilbur C. Cone, 412 Staten St., Oakland.

Contract Awarded.
ALTERATIONS Cost, $1000
SAN FRANCISCO. No. 518 Haight Street.
Alterations to store building.
Owner—A. Weinrib, % Contractor.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco.

To Be Done By Day's Work.
ALTERATIONS Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 36 N. San Fernando St.
Alterations to store building.
Owner—Dave Holt, Premises.
Architect—Not Given.

Sub-Contracts Awarded
ALTERATIONS Cost, $5000
SAN FRANCISCO. Rear of 65 Market Street.
Alterations to first floor in main bldg. (partition work, etc.)
Owner—Southern Pacific Railroad Co., 65 Market Street.
Plans by Engineering Dept. of Owner.
Contractor—B. A. Howkins, 1182 Market Street.
Mill Work—Davis Hardwood Co., Bay and Mason Streets.
Hardware—E. M. Hundley, 662 Mission Street.
Plumbing—O'Mara and Stewart, 218 Clara Street.
Plastering—Vance Petersen, 161 Del Monte Street.
Composition Floor—Fibrestone Roofing Co., 666 Mission Street.
Glass—W. P. Fuller & Co., 301 Mission Street.

Commissioned To Prepare Plans
OFFICE BLDG. Cost, $——
SANTA CRUZ, Santa Cruz Co., Calif. Pacific Avenue and Cooper Street.
Two-story county office building (L-shaped bldg.) to house all county offices and jail.
Owner—County of Santa Cruz.
Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.
Work will be done under the SERA.

Contract Awarded
HOSPITAL Cost, $12,000
SAN MATEO, San Mateo Co., Calif. El Camino Real.
One-story frame and stucco dental hospital.
Owner—Drs. Lussina & Maze.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.

To Ask Bids Within Two Weeks.
OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Westerly side El Camino Real at Stanford Avenue.
One-story reinforced concrete office building (45x75 feet) to contain 13 offices and clinic treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—H. C. Collins, Decker Oak Bldg., Palo Alto.

Low Bidder
OFFICES & DORMITORY Cost, $——
PARKER DAM, Arizona.
Office building (65x32 ft.) and dormitory (112x42 feet) concrete footings and floors, wood frame, outside walls covered with insulating bldg. board shiplap or metal wainscoting, air conditioning system, etc.
Owner—United States Government (Bureau of Reclamation.
Plans by Engineering Dept. of Bureau of Reclamation.
Low Bidder—Paul S. Webb, P. O. Box 11, Boulder City, Nev., $13,172.

Contract Awarded
REPAIR STORE Cost, $2500
SAN FRANCISCO. 4041 Geary St.
Repair fire damage to store building.
Owner—Anderson's, 4041 Geary Street
Architect—Not Given.
Contractor—Jack Callaghan, 900 Clayton Street. 6

Sub-Contracts Awarded
ALTERATIONS Cost, $——
SAN FRANCISCO. Market and Mason Streets.
Alterations and additions to bank and office bldg. (work involves painting, plastering, elevator doors, marble work, mill work, glass.)
Owner—Capital Co., 625 Market St.
Plans by Construction Dept. of Owner
Glass—W. P. Fuller & Co., 301 Mission Street.
Elevator Doors—Jamestown Metal Sash Company.
As previously reported, plastering awarded to Vance Petersen, 161 Del Monte; carpentry and mill work to Langfelder & Schuster, 815 25th Ave.; marble to Eisele & Dondero, 2895 3rd Street.

To Be Done By Day's Work.
ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 761 Market Street.
Alterations to market.
Owner—Lesser Bros., 761 Market St., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. No. 111 O'Farrell Street.
Alterations to stores and offices.
Owner—George Q. Chase, % Kohler & Chase, 26 O'Farrell St., San Francisco.
Architect—Not Given.

PROSPECTIVE BIDDER
OAKLAND, Cal. — W. E. Lyons, 2009 Pacific Ave., Alameda (Alameda 3500) has procured plans for the purpose of submitting a bid to Architect W. E. Schirmer, American Bank Bldg., Oakland, on November 15 for the construction of a one-story reinforced concrete store building on Lakeshore Ave., Oakland.

Contracts Awarded.
ALTERATIONS Cost, $20,000
SACRAMENTO, Sacramento Co., Cal.
SW Tenth and K Streets.
Alterations and additions to store building (work includes air conditioning equipment, new soda fountain, restaurant equipment, drug department, etc.)
Owner—Schramm-Johnson Co., Tenth and K Sts., Sacramento.
Plans by T. J. McCormick, Land Hotel, Sacramento.
Contractor — C. J. Hopkinson, 1810 28th St., Sacramento.
Plumbing—Leonard U. Plummer, 1019 J St., Sacramento.
Electric—George Foss, 1720 8th St., Sacramento.
Painting and decorating contracts will be awarded in one week.

Planned
BUILDING Cost, $75,000
FRESNO, Fresno Co., Calif.
Construct office bldg. to house SERA offices and all county offices.
Owner—County of Fresno.
Architect—Not Selected.
Application will be filed with the state SERA for permission to construct the proposed building. County will furnish site, probably on county general hospital property.
Further details will be announced shortly.

Being Done By Day's Work
ALTERATIONS Cost, $——
SAN FRANCISCO. New Montgomery and Market Streets.
Alterations to bar room and lounge in hotel (to be known as the "Oak Room") cocktail room to be constructed on Market St. side; reconstruct present bar, replace the furnishings, etc.
Owner—Palace Hotel Co. (Archibald H. Price, Mgr.)
Architect — Bakewell and Weihe, 251 Kearny Street.
Mill Work—Pacific Mfg. Co., Monadnock Building.
Bids on other portions of the work will be asked shortly. *

17— THEATRES

BIDS WANTED
LUALUALEI, T. H.—Until Nov. 28 bids will be received by the Public Works Officer, 14th Naval Dist., Pearl Harbor, for the construction of a motion picture theatre at Lualualei, T. H. Estimated cost, $3,500; Specification No. 7777.

19—MISC. CONSTRUCTION

To Be Done By Day's Work.
ALTERATIONS Cost, $3000
SAN JOSE, Santa Clara Co., Cal. No. 875 N. 13th St.
Alterations to auto court.
Owner—Meta S. Rabau, Premises.
Architect—Not Given.

PROPOSAL REJECTED
RED BLUFF, Tehama Co., Cal.—Voters defeated a proposal to form the Tehama County Municipal Utility District, incorporating Tehama County for the purpose of constructing and operating an electrical distribution system.

PROPOSAL REJECTED
WATSONVILLE, Cal. — Voters defeated a proposal to form the Pajaro Utility District, incorporating an area in the vicinity of Watsonville for the purpose of constructing and operating an electric distribution system.

PROJECT REJECTED
GLENN COUNTY, Cal —Voters defeated a proposal to incorporate the Glenn County Municipal Utility District, comprising an area in the vicinity of Willows, for operation of an electric distribution system.

Planned
RADIO STATION Cost, $20,000
SANTA ROSA, Sonoma Co., Calif.
Construct 100-watt radio station.
Owner—Arthur Westlund and Jules Cohn, KRE, 4463 Moraga Road, Berkeley.
Architect—Not Given.
Further details will be announced shortly.

PROJECT APPROVED
STANISLAUS COUNTY, Cal.—Organization of a rural fire district, incorporating a large area of western Stanislaus County in the vicinity of Patterson was approved at a special election November 6. Modern fire protection apparatus is to be purchased.

To Be Done By Day's Work
GREEN HOUSE Cost, $1500
SAN FRANCISCO. W Oxford 100 S Burrows.
One-story frame greenhouse.
Owner—Ernest Mezzetta, 448 Oxford.
Architect—Not Given.)

BIDS OPENED
SAN FRANCISCO. — Identical bids at $69.40 were submitted by the following to the Department of Public Works, City Hall, for the erection of a double 1¾-in. chain link gate of 11 gauge, 7-ft. high to be hung in building at north entrance to Corporation Yard at 11th and Bryant Streets:
Michel & Pfeffer Iron Works.
Kamlan Fence Company.
Standard Fence Company.
Wickwire Spencer Steel Company.
Anchor Post Fence Company.
Bids held under advisement. *

CONTRACT AWARDED
SAN FRANCISCO—Moore Dry Dock Co., Balfour Bldg., at $65,964 awarded contract by the Superintendent of Lighthouses, H. W. Rhodes, Customhouse, San Francisco, for converting Lightship No. 83 from a coal burner to an oil burner, including the furnishing and installing of new Babcock & Wilcox boilers

20—MISC. SUPPLIES AND MATERIALS

CONTRACT AWARDED
SAN FRANCISCO.—Sloss & Brittain, 1400 Howard St., awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1287, for furnishing standard wrought steel galvanized water pipe.

CONTRACT AWARDED
SANTA CRUZ, Santa Cruz Co., Cal.—U. S. Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $4,123.60 awarded contract by the Santa Cruz City Council for furnishing 2,300 ft. 12-in. Class 150 cast iron pipe, bell and spigot joints, and 12 double bell tees.

Bull Dog Floor Clip
SOLD BY
Gunn, Carle & Co.
20 Potrero Ave., San Francisco
THE B. L. WILCOX
Building Specialties
2071 Laura Ave., Huntington Park

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Nov. 30, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 251, City Hall, under Bid No. 1297, for furnishing one 66-in. butterfly valve.

Specifications obtainable from above office.

SAN FRANCISCO.—Until Nov. 19, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Rm. 270, City Hall, under Bid No. UR-1298 for furnishing automobile truck transportation for fuel delivery for unemployment relief.

Specifications obtainable from above office.

SAN FRANCISCO.—Jos. J. Phillips, Director of Property, City Hall, has announced that he will sell at public auction the following Hetch Hetchy camp buildings:

About 45 buildings at Mocho Camp, Alameda County, approximately eight miles southeast of Livermore on Arroyo Mocho. Auction begins at 9:30 A. M., November 20.

About 62 buildings at Mitchell Camp Alameda Co., approximately 12 miles southeast of Livermore on Mitchell Ravine, 1½ miles south of Corral Hollow. Auction begins at 1:30 P. M., November 20.

NAVY DEPARTMENT

BREMERTON, Wash. — Until Nov. 20, 10 A. M., bids will be received by the Supply Officer, Puget Sound, Navy Yard, Bremerton, under Req. No. 268 NSA, for furnishing:

(1) 5000 ft. b. m., Balsa-wood, 2-in. up, average 3-in. x 4-in. up, etc.
(2) 6000 ft. b. m. hardwood lumber, mahogany, select; seasoning, air or kiln dry.

Specifications obtainable from above office.

CALIFORNIA STATE

SAN FRANCISCO—Until November 21, 3 P. M., bids will be received by J. W. Grace, Superintendent of Equipment, Shop 4, Division of Highways, State Bldg., San Francisco, for the sale of the following equipment:

CHC 3054 Truck, Dodge ¾-ton screenside.
CHC 3368 Truck, Chevrolet, 1½-ton screenside.
CHC 122 Kettle, asphalt heating, 165 and 1 drum heater.
2 only rear wheels with 40x10 Goodrich DeLuxe cushion tires, solids.
2 only rear brake drums with brake drum bolts and nuts.
2 only front wheels with bearing cups and 29x5 Goodyear tractor type solid tires.

The above equipment may be inspected at the Division of Highways' Yard at 1045 Derby Ave., Fruitvale, Oakland, between the hours of 8:30 A. M. and 4:30 P. M., on any working day.

FRESNO, Cal.—Until November 21, 3 P. M., bids will be received by F. F. Green, Superintendent of Equipment, Shop 6, Division of Highways, 645 West Olive Ave., Fresno, for the sale of the following equipment:

CHC 167 Drill for rock: Ingersoll-Rand Model S49, jackhammer type.
CHC 172 Drill for rock: Cochise Model 40, jackhammer type.
CHC 184 Drill for rock: Ingersoll-Rand Model S49, jackhammer type
CHC 196 Drill for rock: Ingersoll-Rand Model S49, jackhammer type
CHC 242 Drill for rock: Cochise Model 40, jackhammer type.
CHC 243 Drill for rock: Cochise Model 40, jackhammer type.
CHC 4 Pain stripnng machine; Simmons Make.

All the above equipment may be inspected at the Division of Highways' Yard, 645 West Olive Ave., Fresno, from 8:3$ A. M. to 4:30 P. M. on any working day.

REDDING, Cal.—Until Nov. 21, 3 P. M., bids will be received by G. E. Siebert, Superintendent of Equipment Division of Highways' Yard, Redding, for the sale of the following:

CHC 52 Compressor, Ingersoll-Rand, 2x8, 265 cu. ft. displacement;
CHC 7 Plow, Snow, 10-ft. Baker for truck, bulldozer type;
CHC 33 Plow, Snow, 10-ft. Baker, do;
CHC 119 Plow, Snow, 10-ft. North Star, hydraulic lift for use with Caterpillar "30" tractor;
CHC 120 Plow, Snow, 10-ft. do;
CHC 121 Plow, Snow, 10-ft. do;
CHC 122 Plow, Snow, 10-ft. do;
CHC 276 Tractor, 10-20 McCormick-Deering with solid rubber tires;
CHC 328 Tractor, Caterpillar, "30" with 8-ft. rotary Snow King Plow CHC 24, complete;
CHC 339 Tractor, Caterpillar 60 with 10-ft. Rotary Snow King Plow CHC 26, complete;
CHC 353 Tractor, Caterpillar "30";
CHC 406 Tractor, Caterpillar "30".

All above equipment may be inspected at the Division of Highways' Yard, Redding, between 7:30 A. M. and 4:30 P. M., on any working day.

SANTA CRUZ COUNTY

SANTA CRUZ, Santa Cruz Co., Cal. —Until Nov. 19, 9 A. M., bids will be received by the Santa Cruz City Council, S. A. Evans, City Clerk, Church Street, for furnishing replacement parts for the Barber - Greene Ditch Digger Model 44-B, owned by the City.

Specifications obtainable from above office. A list of the bid items is on file at office of Daily Pacific Builder.

SANTA CRUZ, Santa Cruz Co., Cal. —Until Nov. 19, 9 A. M., bids will be received by the Santa Cruz City Council, S. A. Evans, City Clerk, Church Street, for furnishing 241 pcs. of Common Rough No. 1 Douglas Fir Lumber, and 25,000 ft. b.m. No. 2 common Douglas fir.

Delivery to be made at Municipal Wharf, Santa Cruz.

Specifications obtainable from above office.

POST OFFICE DEPT.

SEATTLE, Wash.—Until November 19, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the U. S. Post Office, Seattle, Columbia Station. Proposal No. 1007.

LOS ANGELES, Cal. — Until Nov. 23, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furniture and screen line equipment for the U. S. Post Office in Los Angeles. Proposal No. 1008.

NAVY DEPARTMENT

SAN DIEGO, Cal.—Until Nov. 20, 11 A. M., bids will be received by the Public Works Officer, 11th Naval District, foot of Broadway, San Diego, under Spec. No. 7843, for the installation of a crane in Building No. 20 at the Naval Operating Base (Destroyer Base), San Diego.

The work consists of (a) furnishing and installing structural steel crane runway girders and their supporting brackets connecting them to the existing building steel columns and (b) installation of the crane track rails and the crane in position ready for operation.

Plans and specifications obtainable from the above office upon deposit of $10.00. 19

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment as follows:

CEMENT, 2,500 bbls. Portland cement, San Diego; 3,000 bbls. do, Mare Island; 5,200 bbls. do, San Francisco or Los Angeles. Sch. 3710; Nov. 27.

STEEL, marine boiler plate steel, East and West Yards. Sch. 3719; Nov. 27.

STEEL, 4,000 lbs. corrosion resisting sheet steel, Mare Island; Sch. 3728; Nov. 27.

BARS, steel, East and West Yards; Sch. 3721; Nov. 27.

STEEL, sheet, East & West Yards; Sch. 3718; Nov. 27.

PUMPS, 6 portable electric suction and discharge pumps and spares, Mare Island; Sch. 3729; Dec. 4.

Specifications obtainable from above office.

CANAL ZONE

PANAMA, Canal Zone—Until Nov. 23, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 3009, for furnishing the following: Steel cutter teeth; steel (plates, shapes and bars); steel billets; electrical cable; iron or steel pipe, terra cotta pipe; bricks; fire clay; oil circuit breakers; Portable air compressors, switchgear; fixtures; lighting reflectors, twist drills; screws; hinges; sash fasteners; truck casters, sash cord; Southern Yellow pine lumber and Southern Yellow pine or Douglas Fir timbers.

Specifications obtainable from above office or from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

WAR DEPARTMENT

BREMERTON, Wash. — Until Nov. 20, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 232 NSA, for furnishing 6,000 ft. b m., hard maple lumber (Alternate on Western maple), and 6,000 ft. poplar lumber, selects.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

AWARD

GRAND COULEE, Wash. — J. H. Pomeroy, Inc., 333 Montgomery St., San Francisco, at $241,868 (Schedule 2) awarded contract by the Bureau of Reclamation, Almira, Wash., under Spec. No. 593, for the construction of Grand Coulee Dam Highway Bridge on the Columbia River.

CONTRACT AWARDED

KERN COUNTY, Calif.—Rocca and Co., San Rafael, at $68,617.50 awarded contract by the State Highway Commission, Sacramento, for the construction of an undergrade crossing under the tracks of the A. T. & S. F. Ry. at Union Ave., Bakersfield, consisting of two concrete abutments with wing walls and a steel plate girder span, and approximately 0.26 mile of roadway to be graded and paved with Portland cement concrete pavement.

CONSTRUCTION AUTHORIZED

BERKELEY, Calif.—Railroad Commission has authorized the State Department of Public Works to construct a crossing at separated grades of the north East Bay approach to San Francisco-Oakland Bay Bridge and the tracks of the Southern Pacific Company, at a point approximately midway between the westerly ends of Folger Ave. and Murry St., Berkeley. 21

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1400 for furnishing one 40-ft. structural steel beam span complete with all structural steel, bolts for field connections, super-structure bolts, etc., for the Wingate Creek Bridge:

Judson Pacific Co., S. F.	$477
Golden Gate Iron Works, S. F.	600
Halsey Machine & Mfg. Co., San Bernardino	517
Schrader Iron Works, S. F.	556
Moore Dry Dock Co., Oakland	551
Independent Iron Works, Oakland	519
Western Iron Works, S. F.	558
Dyer Bros. Golden West Iron works, San Francisco	540

All bids held under advisement.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, November 9, under Bid No. 1399, for furnishing one 50-ft. structural steel beam span with intermediate steel, bents and grillages, complete with all structural steel, bolth for field connections, etc.:

Western Iron Works, S. F.	$ 885
Independent Iron Wks., Oakland	932
Dyer Bros. Golden West Iron Works, San Francisco	1062
Golden Gate Iron Works, S. F.	1035
Judson Pacific Co., S. F.	965
Schrader Iron Works, S. F.	1236

All bids held under advisement.

22—DREDGING HARBOR WORKS EXCAVATION

CONTRACT AWARDED

SACRAMENTO, Cal.—M. A. Jenkins, 3506 Y St., Sacramento, at $4,413 awarded contract by the U. S. Engineer Office, Sacramento, under Spec. No. 6707, for the construction of the Tisdale Weir Abutments and for connecting abutments to existing levees by earth embankments. The weir is on the east side of the Sacramento river downstream about 10 miles from Meridian.

CONTRACT AWARDED

LOS ANGELES, Calif.—Shannahan Bros., 6181 Eastern Ave., Los Angeles, at $57,262 (Proposal No. 2) were awarded contract by the Los Angeles County Board of Supervisors for the construction of Unit No. 7 of San Gabriel River outlet at Alamitos Bay.

PLANS COMPLETED

MARTINEZ. Contra Costa Co., Cal. Plans and specifications for the construction of the new municipal yacht harbor for Martinez have been completed and submitted to Clifton E. Hickok, Northern California District Engineer for the PWA, for approval.

Lochiel M. King, 1339 Grove Street, Alameda, consulting engineer.

23— IRRIGATION PROJ.

CONTRACT AWARDED

HYRUM DAM, Utah.—J. A. Terteling & Sons, Boise, Idaho, at $27,316 awarded contract by the Bureau of Reclamation, Hyrum, Utah, under Spec. No. 627-D, for the construction of the earthwork on the Hyrum-Mendon Canal from Station 10 plus 50 to Station 731 plus 06, on the Hyrum Feeder Canal from Station 4 plus 00 to Station 69 plus 49, and on the Wellsville Canal from Station 10 plus 62 to Station 284 plus 84, near Hyrum and Wellsville, Utah.

CONTRACTS AWARDED

MODESTO, Stanislaus Co., Calif.—The Modesto Irrigation District, C. S. Abbott, Secretary of the Board of Directors, has awarded contracts for the repair of old lining by guniting, construction of concrete lining, and construction of reinforced concrete structures in the Main Canal of the Modesto Irrigation District, as follows:

J. N. Kristich, Knightsen, at $31,262 for Items 2, 5 and 6.

California Gunite Co., Hollywood, at $36,524.40 for Items 3 and 4.

The bids on Item 1 for 12,000 c.y. of rock cut were rejected and new bids will be asked shortly. A. Teichert & Son, Sacramento, submitted low bid at $10,320.

BIDS WANTED

OWYHEE PROJECT, Oregon-Idaho—Until December 4, 10 A. M., bids will be received by the Bureau of Reclamation, Ontario, Oregon, under Spec. No. 630-D, for the construction of earthwork and structures, Coyte Gulch Drain, Dead Ox Flat Division, Owyhee Project, Oregon-Idaho. The work is located near Weiser and Yayette, Idaho, and involves:

(1) 115,000 cu. yds. all classes of excavation for drain;
(2) 260 cu. yds. all classes of excavation for structures;
(3) 2000 cu. yds. back fill;
(4) 20 cu. yds. concrete in structures;
(5) Placing 1200 lbs. reinforcement bars;
(6) Laying 760 lin. ft. 15-in. and 48-in. diameter corrugated metal pipe;
(7) Erecting 10 MFBM timber in structures.

Plans and specifications obtainable from the above office without charge to prospective bidders; to others, $1, not returnable.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, Los Angeles, Nov. 2, for furnishing traveling cranes under specification No. 1530:

The items were:

(1) For one 100-ton single trolley, motor operatod, overhead traveling crane with a span of 49 ft. and 2 inches. Trolley to be equipped with one main hoist and hooks to lift a load of 70 tons at a speed of 18 ft., per minute and one auxiliary hoist and hook to lift a load of 30 tons at a speed of 18 ft., per minute;
(a) cut herringbone gears in lieu of spur gears;
(b) cranes to be erected by contractor instead of by Department;
(2) For one 25-ton single trolley, motor operated, traveling crane with a span of 49 ft., and 2 in., main hoist and hook to lift a load of 20 tons at a speed of 18 ft., per minute and one auxiliary hoist to lift a load of 5 tons at speed of 30 ft. per minute;
(a) cut herrinbone gears in lieu of spur gears;
(b) cranes to be erected by contractor instead of by Department.

The bids were:

Harnischfeger Sales Corp., (1) $25,185; (a) $150; (b) $1980; (2) $15,945; (a) $125; (b) $930. Terms, net.

Harnischfeger Sales Corp., alternate bids for 70 ton crane, (1) $24,485.

Euclid Armington Corp., (2) $14,865; (a) $500; (b) $750. Term net.

Shaw Box Crane & Hoist Co., Inc., (1) $26,887; (a) $773; (b) $2250; (2) $15,975 plus $154 for runway material (a) $489; (b) $2050. Terms net.

Whiting Corp., (1) $28,810; (a) in-

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

cluded in main bid; (b) $2070; (2) $16 580; (a) included in main bid; (b) $1065. Terms net.

Shepherd Niles Crane & Hoist Corp. (1) $48,850; (a) $1500; (b) $5000; (2) $28,650 (a) $1000; (b) $2500. Terms net.

CONTRACTS AWARDED

SEATTLE, Wah.—The Seattle Bd. of Public Works, Room 511 County-City Bldg., Seattle, has awarded the following contracts in connection with furnishing electrical equipment and apparatus for the Diablo Power House, Skagit, for which bids were opened October 11:

Item 3, Westinghouse Electric & Mfg. Co., $26,123; Item 4, Graybar Electric Co., $235; Item 5, held over for later award; Item 7: Westinghouse Electric & Mfg. Co., $6926; Item 8, held over for later action; Item 9, Star Machinery Co., $1778; Item 10, Electric Products Co., $1450; Item 11, Elec. Products Co., $806; Item 12, Westinghouse Electric & Mfg. Co., $5929; Item 13, all bids rejected, to be purchased later for $2197; Item 14, all bids rejected; Item 15, all bids rejected; Item 6, NePage-McKenny Co., $2384.

Items 1 and 2 were rejected some time ago as the result of a court injunction by the Pacific Electric Co.

TO ASK BIDS

SANTA CRUZ, Santa Cruz Co., Cal.—City Council has authorized call for bids for new parts to repair ditch digger owned by city water department. Estimated cost, $2000.

BIDS OPENED

BOULDER CANYON, Nevada—Following bids received by the Bureau of Reclamation, Denver, Colo., Nov. 1, under Spec. No. 630-D, for furnishing and delivering ventilating and air-cooling equipment, as follows:

Schedule No. 1, Centrifugal type fan units.

Schedule No. 2, Propeller Type fan unite.

Schedule No. 3, Surface Coolers and Coils.

Schedule No. 4, Combination Cooler and Heater units.

Schedule No. 5, Combination Cooler and Heater units.

Schedule No. 6, Air Flow Control Equipment.

The bids were:

Western Air Conditioning Co., fob Providence, R. I., (Sched. 5) $1,575.

Autovent Fan & Blower Co., San Francisco, fob Chicago, Ill., 2% discount, (Sched. 1) $3,315.50; (Sched. 2) $1,285.90.

Buffalo Forge Co., fob Boulder City (Sched. 1) $4,657; (Sched. 2) $1,366; (Sched. 3) $4,900; (Sched. 4) $4,024.

Young Radiator Co., fob Boulder City, discount 2%, (Sched. 3) $2,-989.80; (Sched. 4) $4,079.16; (Sched. 5) $1,451.80.

DeBothezat Corp., fob New York, N. Y., discount 2%, (Sched. 2) $1,660.00.

International Engr. Corp., Dayton, Ohio, discount, 1%, (Sched. 2) $1,373.

The Trane Co., fob La Crosse, Wis. discount, 2%; (Sched. 3) $3,010.00; (Sched. 4) $5,427.20; (Sched. 5) $2,-017.40.

Carrier Engr. Corp., fob Allentown, Pa., for No. 5 and Newark, N. J., for Nos. 3 and 4, (Sched. 3) $3,509.00; (Sched. 4) $4,327; (Sched. 5) $1,309.

Stone Heating & Ventilating Co., fob Springfield, Ohio, for No. 2, and Lancaster, Pa., for No. 1, (Sched. 1) $3,265; (Sched. 2) $1,230.

Stone Heating & Ventilating Co., fob Lancaster, Pa., (Sched. 1) $3,565.

Stone Heating & Ventilating Co., fob Boulder City, (Sched. 1) $3,965.; (Sched. 2) $1,360.

Stone Heating & Ventilating Co., fob Boulder City, (Sched. 1) $4,265.

Autovent Fan & Blower Co., Chicago, fob Chicago, discount, 1%, (Sch. 1) $3,676.53; (Sched. 2) $1,264.40.

B. F. Sturtevant Co., fob Boulder City, (Sched. 1) $4 423.75.

English & Lauer, Inc., fob (see notes) discount 2%, (Sched. 1) $3,498; (Sched. 2) $1,316; (Sched. 3) $2,989.80; (Sched. 4) $4,079.16; (Sched. 5) $1,-451.80; (Sched. No. 6) $7,705.

American Blower Corp., fob Boulder City, (Sched. 1) $3,618; (Sched. 2) $1,537; (Sched. 3) $3,599; (Sched. 4) $4,712; (Sched. 5) $1,478.

American Blower Corp., fob Boulder City, Sched. 1) $3,998.

Clarage Fan Co., Boulder City (Sch. 1) $3,779; (Sched. 3) $5,502; (Sched. 4) $5 292; (Sched. 5) $1,281.

Ilg Electric Ventilating Co., Boulder City, (Sched. 1) $4,155; (Sched. 2) $1 603.

United States Air Conditoning Co., Minneapolis, discount 3%, (Sched. 1) $3,396 70.

Buffalo Forge Co., Boulder City (Alt. 3a) $4,264.00.

Combination bids were:

Autovent Fan & Blower Co. (Sched. 1 and 2) $4.600.

The Trane Co. (Sched. 3, 4 and 5) $10,454.60.

Stone Heating & Ventilating Co., (Sched. 1 and 2) $4,400.

Same (Sched. 1 and 2) $4,700.

Same (Sched. 1 and 2) $5,230.

Same (Sched. 1 and 2) $5,530.

English & Lauer, Inc. (Schedules 1, 2, 3, 4, 5,) $13,142; (Sched. 1, 3, 4, 5) $11,838; (Sched. 1, 2, 3, 4, 5, 6) $20,770 (Sched. 3, 4, 5, 6) $16,000; (Sched. 1, 3, 4, 5, 6) $19,470.

NOTES: FOB points: English and Lauer, Inc (Schedule No. 1) Seattle, except motors, Boulder City; (Sched. 2) Seattle; (Sched. 3) Boulder City; (Sched. 4) Boulder City; (Sched. 5) Boulder City; (Sched. 6) Los Angeles.

All bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing structural steel I-beam ribs, splice plates and base plates for tunnel support, complete with bolts and nuts, in accordance with Spec. No. M-2030, Bid No. 29,223, were opened by S. A. Joseph, Purchasing Agent, Metropolitan Water District, Los Angeles, November 9.

Bids were taken as follows:

(1) 500 steel ribs, each rib consisting of two sections of 8x5¼-inch, 17-lb., W. F. beams, complete, with splice plates, bolts and nuts.

(2) 3,000 steel ribs, each rib consisting of two sections of 6-inch, 12.5 lb. standard I-beams, complete with splice plates, bolts and nuts.

The bidders were:

Chas. B. Cooper & Co., Niles, O., prices fob Niles. Discount, 1% ten days.

Commercial Shearing & Stamping Co., fob Youngstown, O. Discount 1% 10 days.

Consolidated Steel Corp., fob Los Angeles. Sales tax to be added. Net 30 days.

Pacific Coast Steel Corp., fob Los Angeles. No discount. Prices exclusive of California sales tax.

The bids were:

Chas. B. Cooper & Co., (1) $21.00; (total) $10,500; (2) $14.25; (total) $42-750.00.

Commercial Shearing & Stamping Co., (1) $21.23; (total) $10,615; (2) $14.12; (total) $42,360.00.

Consolidated Steel Corp., (1) $27.40; (total) $13,700; (2) $19.75; (total) $59,-250.00.

Pacific Coast Steel Corp., (1) $30.84 (total) $15,420; (2) $21.28; (total) $63,-840.00.

Bids held under advisement.

28—FIRE EQUIPMENT

NO BIDS RECEIVED

SANTA CRUZ, Cal.—No bids were received by Santa Cruz City Council, November 5, for repairing and modernizing the Seagrave Motor Fire Engine Pumper. The Commissioner of Public Works was authorized to proceed with the work. S. A. Evans, City Clerk.

BIDS WANTED

ALBANY, Alameda Co., Cal.—Until November 26, 8 P. M., bids will be received by the Albany City Council, City Hall, H. W. Brewer, City Clerk, for furnishing and installing one water tank and one pump on the fire truck at Albany fire house. Two 40-gallon chemical tanks are to be taken in exchange as part payment.

Specifications obtainable from above office.

BIDS WANTED

FRESNO, Fresno Co., Calif.—Until November 22, 11 A. M., bids will be received by the Fresno City Council, H. E. Foster, City Clerk, for furnishing 1,700 ft. of 2½-in. double jacket cotton rubber lined fire hose and couplings.

Specifications obtainable from above office.

PLANNED

CONTRA COSTA CO., Cal.—Rivercrest Volunteer Fire Dept. plans purchase of hose and ladder truck to replace obsolete equipment. The fire chief is Paul Burris.

30—RESERVOIRS & DAMS

TO AWARD CONTRACT

SAN DIEGO, Cal.—M. H. Golden, tor the construction of El Capitl dam 404 California Bank Bldg., San Diego, will be awarded the contract by the San Diego City Council at $57,177.75, tunnel inner lining, as soon as the legal 10-day limit between opening of bids and award of contract expires.

BONDS DEFEATED

SAN DIEGO, Cal.—A $160,000 bond issue to finance the repair of Lake Hodges Dam was defeated at the general election November 6. First reports indicated this issue had carried, but final check showed that the required two-thirds majority failed.

BIDS WANTED

DUCHESNE, Utah.—Until February 4, 1935, bids will be received by the Bureau of Reclamation, Salt Lake City, Utah, under Spec. No. 605, for the construction of the Moon Lake Dam, Moon Lake Project, Utah. The work is located near Duchesne, Utah.

The principal items of work and the advance estimated quantities involved are:

(1) 116,000 cu. yds. open cut excavation, common;
(2) 394,000 cu. yds. excav. from borrow pits, common;
(3) 17,000 cu. yds. open cut excavation, rock;
(4) 32,000 cu. yds. excavation from borrow pits, rock;
(5) 700 cu. yds. stoped excavation, all classes;
(6) 12,400 cu. yds. tunnel excavation, all classes;
(7) 6000 cu. yds. back fill about struc.
(8) 400,000 cu. yds. earthfill in embankment;
(9) 77,000 cu. yds. rockfill on downstream slope of embankment;
(10) 29,000 cu. yds. dumped riprap on embankments;
(11) 200 cu. yds. screened gravel under structures;
(12) 3900 cu. yds. concrete in tunnels and gate chamber;

(13) 4000 cu. yds. concrete in spillway intake, parapet, and other structures;
(14) 350 cu. yds. rubble conc. paving;
(15) 1000 cu. ft. pressure grouting;
(16) 90,000 lbs. steel tunnel liner plates
(17) 175,000 lbs. gates and other metal work;
(18) 870,000 lbs. reinforcement bars;
(19) 1500 lin. ft. pipe drains;
(20) 740 lin. ft. electrical metal conduit.

This Invitation for bids is issued in advance of the specifications in order that prospective bidders may have an opportunity to visit the site of the work while weather conditions will permit, and it is advisable that prospective bidders visit the site at their earliest opportunity. The specifications and drawings will be available about December 31, 1934. Prints of preliminary general drawings are available at the office of the Bureau of Reclamation at Salt Lake City, Utah, and Denver, Colo., and will be furnished only to parties who wish to inspect the site of the work.

This invitation for bids does not cover the purchase of materials which are to oe furnished by the Government.

Copies of the plans and specifications may be obtained from the office of the Bureau of Reclamation at Salt Lake City, Utah; Denver, Colorado, or Washington, D. C., without charge to prospective bidders, to others, $2, not returnabe.

BIDS WANTED

GUNNISON, Colorado—Until February 18, 1935, bids will be received by the Bureau of Reclamation, Gunnison, Colorado, under Spec. No. 594, for the construction of the Taylor Park Dam, Uncompahgre Project, Colorado. The work is located near Gunnison, Colo.

The specifications provide for alternative bids on two different types of construction, one a concrete arch dam and the other an earth and rock fill dam. The principal items of work and the advance estimated quantities involved in the two alternative types are as follows:

Concrete Arch Dam

(1) 61,000 cu. yds. common open cut excavation;
(2) 28,500 cu. yds. rock open cut excavation;
(3) 4000 cu. yds. back fill;
(4) 1400 cu. yds. rubble masonry;
(5) 100,000 cu. yds. concrete;
(6) 13,000 cu. ft. grout;
(7) Drilling 21,000 lin. ft. grout holes;
(8) Placing 90,000 lbs. reinforcement bars;
(9) Installing 111,000 lbs. small metal tubing, pipe and fittings;
(10) Installing 10,000 lin. ft. metal sealing strips in contraction joints;
(11) Installing 362,000 lbs. gates, gate hoists, control mechanism, conduit lining, needle valves, hoist, crane and trash rack metal work.

Earth and Rock Fill Dam

(1) 95,000 cu. yds. excavation in open cut, common;
(2) 63,000 cu. yds. excavation in open cut, rock;
(3) 853,000 cu. yds. excavation in borrow pit, common;
(4) 35,000 cu. yds. excavation in borrow pit, loose rock;
(5) 6000 cu. yds. tunnel excavation;
(6) 825,000 cu. yds. earth fill in embankment;
(7) 130,000 cu. yds. rock fill on downstream slope of embankmant;
(8) 26,000 cu. yds. riprap on upstream slope of embankment;
(9) 2500 cu. yds. concrete in tunnel and gate chamber;
(10) 7300 cu. yds. concrete in other parts of dam;
(11) 7000 cu. ft. pressure grouting;
(12) Drilling 7500 lin. ft. grout holes;
(13) Placing 451,000 lbs. reinforcement bars;
(14) Constructing 8500 lin. ft. pipe drains;
(15) Installing 521,000 lbs. gates, valves and other metal work;

Plans and specifications obtainable from Bureau of Reclamation at Gunnison, Colo.; Dnever, Colo., or Washington, D. C., without charge to prospective bidders; to others, $5, not returnable.

This invitation for bids is issued in advance of the specifications in order that prospective bidders may have an opportunity to visit the site of the work while weather conditions will permit, and it is advisable that prospective bidders visit the site at their earliest opportunity. The specifications and drawings will be available about January 14, 1935. Prints of preliminary general drawings are available at the office of the Bureau of Reclamation at Gunnison, Colo., and Denver, Colo., and will be furnished only to parties who wish to inspect the site of the work.

This invitation for bids does not cover the purchase of materials which are to be furnished by the Government.

PLANS COMPLETED

SANTA CLARA CO., Calif.—Plans and specifications for Almaden Dam of the Santa Clara Water Conservation project have been completed and submitted to C. E. Hickok, Northern California District Engineer for the PWA, for approval.

BIDS OPENED

LOS ANGELES, Cal.—Macco Constr. Co., 815 Paramount Blvd., Clearwater, at $124,175 submitted low bid to the Los Angeles County Board of Supervisors, November 13, for the placing of rock on the downstream face and crest of San Gabriel Dam No. 2. Total bids follow:

(A) Macco Constr. Co., Clearwater, $124,175.
(B) Morrison-Knudsen Co., Los Angeles, $183,700.
(C) Shofner & Gordon, Los Angeles, $203,650.
(D) Case Constr. Co., Inc., Alhambra, $217,300.
(E) Geo. Hess, Los Angeles, $223,350.

Unit bids follow:

(1) 59,500 cu. yds. placing loose rock fill on downstream face, (A) $1.65; (B) $2.00; (C) $2.70; (D) $3.10; (E) $2.30.
(2) 3000 cu. yds. placing packed rock fill on crest, (A) $3.50; (B) $4.00; (C) $4.00; (D) $4.75; (E) $3.00.
(3) 62,000 cu. yds. placing waste in waste piles, (A) .25; (B) .85; (C) .50; (D) .30; (E) $1.25.

31—PIPE LINES & WELLS

BIDS WANTED

SANTA CLARA, Santa Clara Co., Cal.—Until Nov. 19, 8:15 P. M., bids will be received by the Santa Clara City Council, A. J. Cronin, City Clerk, for drilling a 12-in. diameter well in the Santa Clara City Cemetery.

Specifications obtainable from City Engineer George L. Sullivan.

31

CONTRACTS AWARDED

RIVERSIDE COUNTY, Cal.—J. F. Shea Co., Inc., Mecca, Calif., was awarded contract by the Board of Directors of the Metropolitan Water District, November 9, on Schedules 18, 18A, 19, 19A and 20 for constructing 15.84 miles of conduit and siphon for the Colorado River Aqueduct between the west portal of the Coachella Tunnels and the Cajaico Reservoir, at a total of $2,557,781.20, including a deduction of $53,420 for award of Schedules 18, 18A and 19. The individual schedules awarded were:

Schedules 18 and 18A, 5.11 mi. of conduit and 0.12 mi. of siphon, at $874,359.

Schedule 19, 6.68 miles of conduit, at $1,113,757.

Schedule 19A, 0.42 mile of siphon, at $.,170.

Schedule 20, 3.53 miles of siphon at $545,915.20.

The deduction of $53,420 for award of Schedules 18, 18A and 19 was based on a deduction of 20c per yd. from the bid price on concrete to be placed under item 12 of Schedules 18 and 19. J. F. Shea Co., Inc., was the lowest bidder on Schedules 19A and 20, regardless of whether stipulations were considered.

All bids on Schedules 21, 22, 23 and 23A, for 10.41 miles of siphon and 0.91 miles of outlet canal, were rejected and BIDS ON THESE SCHEDULES WERE ORDERED READVERTISED The low bid of Griffith Co. was rejected on the grounds of irregularity.

The low bid on Schedule 20K, 7800 ft. of precast concrete siphon, by the American Concrete & Steel Pipe Co., at $82,802.10 was rejected as being higher than the engineer's estimate. Action on readvertising was deferred.

The low bid on Sched. 18S, the siphon across the Mission and San Andreas faut areas, of Western Pipe & Steel Co., at $595,812.48 was held over for further consideration.

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until December 4, 10 A. M., new bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for the construction of monolithic concrete siphons, cut-and-cover conduit, and appurtenant works of the Colorado River Aqueduct, Station 10812 plus 65 to 12122 plus 00, in accordance with Spec. No. 82.

The work is located in Riverside County and comprises approximately 12.8 miles of aqueduct construction between a point about 2 miles north of the city of San Jacinto, located on the A. T. & S. F. Ry. and a point about 10 miles south of the City of Riverside. The work has been divided into schedules as follows:

Length in Miles

Schedule Group No. 20K, (siphons) 1.48; (total) 1.48.

Schedule Group No. 21, (siphons) 2.76; (total) 2.76.

Schedule Group No. 22, (siphons) 1.37; (total) 1.37.

Schedule Group No. 23, (conduit) 6.28; (outlet channel) 0.91; (total) 7.19.

Total, (conduit) 6.28; (siphons) 5.61 (outlet channel) 0.91; (total) 12.80.

The outlet channel is to have a bottom width of approximately 25 feet. The conduit is to be of semi-elliptical section with heights of about 15.4 ft. Siphons are to be of monolithic (cast in place) construction with diameters of about 12.3 feet.

Specifications may be obtained from the Engineering Department, Room 1007, 306 W. Third St., Los Angeles, after 12 M., November 14.

BONDS DEFEATED

SAN DIEGO, Cal.—A $350,000 bond issue to finance the construction of an additional six miles of 48-in. pipe line on the El Capitan-Lakeside pipe line was defeated at the general election November 6. First reports indicated that this issue had carried, but final check showed that the voters had failed to cast the required two-thirds majority.

BIDS WANTED

LOS ANGELES, Cal.—Until December 17, 10 A. M., bids will be received by the Metropolitan Water District, 306 W. Third St., Los Angeles, for constructing the Monrovia Nos. 1, 2 and 3 and Pasadena tunnels and appurtenant works in accordance with Specifications No. 77.

The Monrovia tunnels are located in the San Gabriel mountains, 8 to 14 miles east of the City of Pasadena, and the Pasadena tunnel is located principally along Mountain St. in the City of Pasadena, with the east portal near Hill St. and the west portal near the intersection of Winona and Blake Aves., all in Los Angeles County.

The work consists of the excavating and lining of four circular water-supply tunnels, having interior diameters of 10 feet and has been divided into schedules as follows:

Schedule No. 1—Monrovia Nos. 1 and 2 Tunnels; 1.67 mils in length.
Schedule No. 2—Monrovia No. 3; 6.08 miles in length.
Schedule No. 3—Pasadena Tunnel; 2.3 miles in length.

Certified or cashier's check for 10% must accompany each bid.

Plans and specifications obtainable at the office of the district, Room 1007, 306 W. Third St., Los Angeles, upon payment of $5, not returnable. F. E. Weymouth, General Manager and Chief Engineer.

32— SEWERS & SEWAGE DISPOSAL PLANTS

CONTRACT WITHDRAWN

PHOENIX, Ariz. — Approval of an award of contract to Phoenix-Tempe Stone Company for the construction of a storm sewer system, has been withdrawn by the Public Works Administration, which has notified Thos. M. Sullivan, City Manager, to that effect. The City Commission will probably have no other alternative but to award the contract to Elliott, Stroud Bros. and Seabrooke, Glendale, Calif., who were low bidders using monolithic pipe at $263,641.30. The bid of the Phoenix-Tempe Stone Co. was $266,511.8, using centrifugally spun pipe and machine-tamped pipe in combination. The award to the Phoenix-Tempe Stone Co. was approved by Howard S. Reed, PWA Engineer for Arizona, whose decision was reversed by the Washington office. The bids were opened Sept. 25.

BIDS OPENED

SAN JUAN CAPISTRANO, Calif.—Marko Matick, 1269 E. Colorado Blvd. Los Angeles, at $15,047 submitte low bid to the San Juan Capistrano Sanitary District, November 5, for construction of a sewage treatment plant in accordance with plans prepared by the Currie Engineering Co., 219 Andreson Bldg., San Bernardino. The board of directors has recommended to the PWA Engineer that the contract be awarded to the low bidder for the complete plant.

Bids were taken as follows:
(1) plant complete;
(2) deduction for omitting secondary clarifier;
(3) deduction for omitting one foot of stone.

The bids were:
Marko Matick, Los Angeles, (1) $15-047; (2) $1,890; (3) $190.00.
H. A. Teget, Ontario, (1) $15,480; (2) $2,200; (3) $300.00.
J. C. Hickey, Alhambra, (1) $16,-200; (2) $1,600; (3) $300.00.

Complete description of the project published October 22.

CONTRACT AWARDED

FRESNO Fresno Co., Cal.—Stewart & Nuss, Inc., and John Jurkovich, 410 Thorne Ave., Fresno, at $29,169 awarded contract by the Fresno City Council for construction of a storm water sewer system in the North End District, PWA Project 6751.

GEOLOGIST SELECTED

SAN FRANCISCO—The Board of Public Works has appointed Thomas V. Reeves, First National Bank Bldg., Oakland, consulting geologist for the construction of Bakers Beach and Marina sewage disposal plants for which plans are being prepared

BIDS OPENED

LOS ANGELES, Cal.—Bids for constructing the decanters, foundation, Venturi flume, drainage sump and roadway at the Terminal Island Sewage Treatment Plant, PWA Project No. 5633, (Unit No. 7), were opened by the Los Angeles Board of Public Works, November 7. Bids were taken as follows:

(1) Construction of three reinforced concrete 16-in. diameter decanters
(2) Construction of concrete walls, flooring and five pump foundations, 31 6-in. x 6-in., 55 ft. pumping plant;
(3) Construction of reinforced concrete 31.65 ft. Venturi flume;
(4) Construction of one brick and concrete 10-ft. diameter drainage pump;
(5) Construction of 345.35 lin. ft. of rock roadway (15-ft. wide).

The bids were:
Byerts & Dunn: (1) $14,689; (2) $2267; (3) $1516; (4) $1438; (5) $680. Bidder will not accept contract for less than all five items.
Fred F. Greenfield Co.: (1) $12,999; (2) $2913; (3) $1787; (4) $1423; (5) $666.
L. W. Odell: (1) $13,779; (2) $2707; (3) $1199; (4) $964; (5) $345.
Pan-Pacific Piling & Construction Co. (1) $13,221; (2) $2280; (3) $1535; (4) $1892; (5) $1125.
H. A. Teget: (1) $14,370; (2) $1985; (3) $1600; (4) $700 (5) $1000.

All bids held under advisement.

NEW BIDS ASKED

HALF MOON BAY, San Mateo Co., Cal.—Until Dec. 7, 8 P. M., bids will be received by the Secretary of the sanitary board of the Half Moon Bay Sanitary District for the construction of a sanitary sewer system at Half Moon Bay under the 1911 improvement act.

The only bid received on the previous opening on September 7, that of W. J. Tobin, 3701 Balfour Ave., Oakland, at slightly less than $40,500, was rejected November 9.

Complete list of bid items published August 27.

Specifications may be obtained from the District Engineer, Geo. A. Kneese Redwood City, upon deposit of $5.00.

FUNDS ALLOTTED

SEAL BEACH, Cal.—The PWA has allotted Seal Beach and Sunset Beach $96,000 to finance a joint sewer system and disposal plant. The Sunset Beach allotment is $44,000 and Seal Beach $52,000. Of these amounts, 30% is a grant. Victor Hayes is engineer.

33— WATER WORKS

BOND SALE

ARCATA, Humboldt Co., Cal.—Until Nov. 16, 8 P. M., bids will be received by the Arcata City Council for $90,000 in waterworks bonds. Proceeds to be used in acquisition of existing privately owned plant, and for improvements, the latter estimated at $15,000.

BIDS WANTED

RED BLUFF, Tehama Co., Cal.—Until November 26, 7:30 P. M., bids will be received by the Red Bluff City Council, E. E. Stevens, Superintendent of Water Works. City Hall, for furnishing 6000 ft. of 12-in. steel pipe for the City Water Works.

Specifications obtainable from Mr. Stevens.

BIDS OPENED

HUNTINGTON Park, Los Angeles Co., Calif.—Bids for furnishing cast iron pipe, fittings, gate valves and fire hydrants were opened by Huntington Park city council November 5. The bids, which were referred to Vaughn Wood, city engineer, for tabulation, were:

CAST IRON PIPE

(1) 525 ft. 12-in. pipe;
(2) 4800 ft. 8-in. pipe.

The bids were:
National Cast Iron Pipe Co., (1) $1.63; (2) $.95.
U. S. Pipe & Foundry Co., (1) $1.67; (2) $.975.
American Cast Iron Pipe Co., (1) $1.-708; (2) $.998.
Central Foundry Co., (1) $1.76; (2) $1.00.
Utilities Supply Co., (1) $1.915; (2) $1.1075.

FITTINGS

(1) 1 12x12-in. all bell cross;
(2) 1 12x8-in. do;
(3) 1 12x6-in. all bell tee;
(4) 1 12x8-in. SEB plug reducer;
(5) 3 12x4-in. do;
(6) 2 12-in. plugs;
(7) 4 8x6-in., all bell crosses;
(8) 7 8x4-in., do;
(9) 12 8x6-in., all bell tees;
(10) 1 8x4-in. do.

The bidders were:
(A) Utilities Supply Company.
(B) Vernon Foundry Company.
(C) Hickey Pipe Supply Company.

The unit bids were:

	(A)	(B)	(C)
(1)	$25.65	$25.65	$25.65
(2)	22.95	22 95	22.95
(3)	20.70	18.90	18.90
(4)	10.40	5.18	5.18
(5)	8.05	4 28	4.28
(6)	2.25	2.25	2.25
(7)	12.15	12.15	12.15
(8)	10.58	10.58	10.58
(9)	9.90	9.90	9.90
(10)	9.00	9.00	9.00

FIRE HYDRANTS
(14 6-in. hydrants)

Mueller Company	$54.30
Pacific Southwest Pipe Co.	54.60
Smith Booth Usher Co.	54.60
Hickey Pipe & Supply Co.	54.60
Utilities Supply Co.	55.80
Keenan Pipe & Supply Co.	57.00
Rensselaer Valve Co.	57.00
Rich Manufacturing Co.	57.00
Kennedy Valve Mfg. Co.	57.00

GATE VALVES

(1) 3 12-in. gate valves;
(2) 14 8-in. do;
(3) 16 6-in. do;
(4) 4 4-in. do.

The bidders were:
(A) Chapman Valve Mfg. Co.
(B) Kennedy Valve Mfg. Co.
(C) Mueller Company.
(D) Pacific Southwest Pipe Co.
(E) Rensselaer Valve Co.
(F) Smith Booth Usher Co.
(G) Keenan Pipe & Supply Co.
(H) Utilities Supply Co.

Unit prices, which were identical, were as follows: (1) $70.56; (2) $36.96 (3) $23.52; (4) $12.88.

PRESSURE PIPE INSPECTOR APPOINTED

SAN FRANCISCO.—Robt. W. Hunt Co., 251 Kearny St., appointed by Department of Public Works to inspect 7400 tons of pipe for high pressure system to be manufactured by United States Pipe and Foundry Co.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

SAN YSIDRO, San Diego Co., Cal. —Until November 29 bids will be received by Custodian, U. S. Inspection Station, San Ysidro, for seeding, etc., the grounds at the U. S. Inspection Station at San Ysidro.

BIDS WANTED

SAN YSIDRO, San Diego Co., Cal. —Until November 20 bids will be received by Custodian, U. S. Inspection Station, San Ysidro, for furnishing and installing lawn sprinkler system at the U. S. Inspection Station, San Ysidro.

BIDS REJECTED

HAMILTON FIELD, Marin Co., Cal. —Constructing Quartermaster, Hamilton Field, rejected all bids for constructing fences around quartermaster buildings at Hamilton Field. The work will not be done and money will be used for other purposes.

BIDS WANTED

MERCED, Cal.—Bids are being received by the Custodian, U. S. Post Office, Merced, for seeding and planting the grounds at the U. S. Post Office, Merced.

BIDS WANTED

SAN FRANCISCO.—Until Nov. 27, 3 P. M., bids will be received by the Public Utilities Commission, Room 287 City Hall, for the erection of a wire mesh fence at Lake Honda Reservoir under S. F. Water Department Spec. W. D. 70.

The work involves:
(1) 2,075 l.f. fence;
(2) 2,075 l.f. top rail;
(3) 16 corner posts;
(4) 8 end and/or gate posts;
(5) 2 5-ft. swing walk gates;
(6) 1 10-ft. double swing drive gate, complete in place;
(7) 1 protection fan, complete in place
(8) 2,000 l.f. removal of existing wooden fence.

N. A. Eckart, Chief Engineer.

Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $5.

LOW BIDDER

SAN JOSE, Santa Clara Co., Cal.—Walter A. Hoff, 580 Market St., San Francisco, and Palo Alto, at $1217 submitted low bid to Custodian, U. S. Post Office, San Jose, for seeding and planting the grounds at the U. S. Post Office, San Jose. California Nursery and Leonard Coates were the only other bidders.

Bids referred to Washington for award. *

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

NYE COUNTY, Nev.—Silver State Const. Co., Fallon, at $29,165.29 submitted low bid to the Nevada State Highway Directors, Carson City, Oct. 30, and awarded contract November 7, for the construction of approximately 17 miles of asphaltic roadmix surface in Nye County between 22 miles west of Indian Springs and 33 miles south of Beatty, Route 5, Section B2, C and D1, FLEC-3F.

Quantities were:
(1) 280,468 gals. asphalt road material, Type SC-2;
(2) 24,930 gals. do, Type MC-2;
(3) 17 miles roadmix;
(4) 17 miles finish roadway.

Total and unit bids follow:

Silver State Const. Co., Fallon, (Total) $29,165.29; (1) $.0675; (2) $.09; (3) $450; (4) $20.

Jack Casson, Oakland, Calif., (Total) $29,648.42; (1) $.065; (2) $.10; (3) $500; (4) $25.

C. F. Fredericksen & Sons, Lower Lake, Calif., (Total) $30,498.42; (1) $.065; (2) $.10; (3) $535; (4) $40.

Dodge Const., Inc., Fallon, (Total) $31,475.76; (1) $.07; (2) $.10; (3) $500; (4) $50.

J. C. Compton, McMinnville, Ore., (Total) $38,677.64; (1) $.08; (2) $.14; (3) $650; (4) $100.

George French, Jr., Stockton, Cal., (Total) $43,063.05; (1) $.10; (2) $.125; (3) $650; (4) $50.

Engineer's estimate, (Total) $40,133.72; (1) $.09; (2) $.12; (3) $650; (4) $50.00. *

BIDS OPENED

STOCKTON, San Joaquin Co., Cal. —S. M. McGaw, 425 Lexington Ave., Stockton, at $7,993.47 submitted only bid to the Stockton City Council Nov. 5 for the improvement of Wilson Way between Scotts Ave. and Worth St., and between Anderson andd Jackson Streets.

No bids were received by the council for the improvement of Wilson Way from Anderson to Jefferson St.

Bid referred to the City Manager. B. L. Trahern, City Clerk.

CONTRACT AWARDED

LOS ANGELES, Cal.—Oswald Bros. 366 E. 58th St., Los Angeles, at $85,504.90 awarded contract by the State Highway Commission, Sacramento, for 4.4 miles grading and paving with asphalt concrete in Los Angeles County between Newhall Tunnel and Saugus.

BIDS OPENED

SAN FRANCISCO.—The San Francisco Bureau of Street Repair, at $3,387.60 submitted low bid to the Department of Public Works, City Hall, for the reconstruction of a portion of the roadway on Market St. between Third and Kearny Streets, and Sixth and Taylor Streets, where directed, excluding that portion required by law to be kept in repair by the railway companies having tracks thereon. Bids were taken as follows:

(1) 47,600 sq. ft. asphalt concrete or asphalt wearing surface to be removed to a depth of from 1- to 3-in. by heating, and to be replaced with an asphalt concrete wearing surface 1- to 2-in. in thickness.

(2) 20,000 sq. ft. asphalt concrete conform pavement.

The bids were:

San Francisco Bureau of Street Repair: (1) $0.051; (2) $0.048; total $3,387.60.

Fay Imp. Co., San Francisco, (1) $0.169; (2) $0.155; total, $11,144.40.

Bids held under advisement.

BIDS WANTED

SOLANO COUNTY, Cal.—Until November 19, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, R. E. Pierce, District Engineer, 47 N. Grant St., Stockton, for about two miles in length to be surfaced with untreated crushed gravel or stone, in Solano County, between Liberty Island Ferry and a point two miles northerly.

The work requires 5,200 tons of untreated crushed gravel or stone surfacing.

Plans and specifications obtainable from the above office.

BIDS OPENED

COLUSA COUNTY, Calif. — Albany Cement Contractors, Inc., 954 San Pablo Ave., Albany, at $3,455 submitted low bid to Department of Public Works, Division of Highways, C. H. Whitmore, District Engineer, Marysville, November 5, for about 0.3 mile in length construction of concrete curbs, gutters and driveways in the City of Williams, Colusa County, between F St and D St. on Seventh St., and between 8th St. and 6th St. on E Street.

The work involves:
(1) 5 each tree stumps to be removed and disposed of;
(2) 9 each trees do;
(3) 200 c.y. Class A Portland cement concrete (curbs, gutters, driveways);
(4) 135 c.y. existing curbs, sidewalks and driveways to be removed and disposed of.

Bids follow:

Albany Cement Contractors, $3,455; (1) $5; (2) $10; (3) $14; (4) $4.

John Carcano, San Rafael, $3,472.50; (1) $5; (2) $5; (3) $16; (4) $1.50.

Lee J. Immel, Berkeley, $3,943.75; (1) $25; (2) $20 (3) $16; (4) $3.25.

Y. C. Soda, Oakland, $4,241.40; (1) $19; (2) $20.50; (3) $18.50; (4) $1.94.

Carl R. Fiedler, Sacramento, $5,882.50; (1) $10; (2) $25; (3) $25; (4) $4.50.

P. F. Bender, Sacramento, $6,450; (1) $15; (2) $25; (3) $24; (4) $10.

CONTRACT AWARDED

FRESNO COUNTY, Calif. — Union Paving Co., 624 Call Bldg., San Francisco, at $57,634.40 awarded contract by the State Highway Commission at Sacramento, for one mile of grading and paving with asphalt concrete in Fresno County between Selma and Fowler Switch Canal.

CONTRACTS AWARDED

LOS ANGELES, Cal.—The Los Angeles Board of Public Works awarded contracts for the construction of Unit 2A of the Terminal Island Outfall Sewer wih force main and clairifier, PWA Project 3633, November 7, as follows:

Bebek & Brkich, 421 N. Record St., Los Angeles, and Artukovich Bros., 912 Atlantic Blvd., Clearwater, items (1a) and (1b) at $5055.

Fred W. Weber, 8442 California Ave., South Gate, items (2a) and (3) at $19,600.

BIDS OPENED

LEWIS COUNTY, Wash. — Erickson, Johnson & Smith Bros., Nachez, Washington, at $19,110 submitted low bid ot the Bureau of Public Roads, 316 New Post Office Bldg., Portland, Nov. 7, for 3.22 miles of constructing or impoving the Mt. Rainier National Park, Stevens Canyon Project PEC-4-E2, Clearing, National Park Road Project, located within the Mt. Rainier National Park, Lewis County, Washington. Complete bids follow:

Erickson, Johnson & Smith Bros., Naches, Wash., $19,110.
E. L. Gates, McCredie Springs, Ore., $20,700.
Sam Orino, Spokane, $23,250.
Butler Constr. Co., Seattle, $25,050.
R. E. Moore, Seattle, $25,350.

CONTRACT AWARDED

KING COUNTY, Wash.—Northwest Construction Co., 3950 6th N. W., Seattle, at $181,520 (Sched. A, hot asphalt) submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, November 7, for paving with Portland cement concrete and retopping portions of the existing brick pavement with asphaltic concrete on about 4 miles of the Old Pacific Highway, Lake Forest Park to Bothell, Unit 3 of U.S.P.W. Project NRH 91-B and NRM-C, in King Co. Complete bids follow:

Northwest Constr. Co., Seattle (1) hot

asphalt, $184,320; (2) cold asphalt, $181,664.
Goetz & Brennan, Seattle, (1) $194,014 (2) $194,474.
H. P. Dorsey Co., Bellingham, (1) $195,989; (2) $195,989.
Queen City Constr. Co., Seattle, (1) $196,128; (2) $196,128.
Fiorito Bros., Seattle, (1) $198,483; (2) $200,089.
Erickson Paving Co., Seattle, (1) $207,272; (2) $208,928.
N. Fiorito, Seattle, (1) $212,586; (2) $212,586.
J. B. Cevello, Seattle, (1) $217,419; (2) $217,419.

BIDS OPENED

LEWIS COUNTY, Wash. — Erickson, Johnson & Smith Bros., Naches, Washington, at $3216 submitted low bid to the Bureau of Public Roads, 316 New Post Office Bldg., Portland, November 7, for constructing or improving 2.64 miles of the Mt. Rainier National Park, Stevens Canyon Highway Project PEC-4-C2, Clearing, National Park Road Project, located within the Mt. Rainier National Park, Lewis County, Wash. Complete bids follow:
Erickson, Johnson & Smith Brothers, Naches, Wash., $3216.
E. L. Gates, McCredie Springs, Ore., $4200.
Sam Orino, Spokane, Wash., $7200.
R. E. Moore, Seattle, Wash., $8200.

BIDS WANTED

GRANT COUNTY, Oregon — Until November 23, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Pendleton - John Day Surfacing Project NR-33-E1, F1, National Forest Road Project, located within the Whitman National Forest, Grant County, Oregon. The length of the project is approximately 8.13 miles, and involves:
(1) 2000 cu. yds. unclass. excavation;
(2) 8000 tons subgrade reinforcement;
(3) 8.13 mi. fine grade subgrade and shoulders;
(4) 35,300 tons crushed rock;
(5) 5000 cu. yds mi. binder haul;
(6) 1000 M. gals watering;
(7) 60 days operation roller;
(8) 2000 cu. yds., binder.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS REJECTED

COCONINO AND GILA COUNTIES, Ariz.—All bids received by the Bureau of Public Roads, Phoenix, Oct. 16, for placing a base course on Section D of Route 10, the Pine-Winslow National Forest Highway, Coconino and Tonao National Forests, Coconino and Gila Counties, Ariz., for a length of 6.585 miles, have been rejected.

Skousen Bros., Albuquerque, N. M., at $29,165 submitted the low bid.

CONTRACT AWARDED

SAN DIEGO COUNTY, Cal.—V. R. Dennis Construction Co., 3911 Fifth Ave., San Diego, at $43,862 awarded contract by the State Highway Commission, Sacramento, for 1.9 mi. grading and surfacing with bituminous macadam on crusher run base in San Diego County in the City of San Diego, between the Military Reservation and Canon Street.

BIDS OPENED

SAN BERNARDINO AND RIVERSIDE COUNTIES, Cal.—Geo. Gardner & Sons, 445 E. Cypress Ave., Redlands, at $4502.90 submitted low bid to the Department of Public Works, Division of Highways, E. Q. Sullivan, District Engineer, San Bernardino, November 13, for about 12.3 miles bituminous surface treatment to be applied to existing oiled shoulders in San Bernardino and Riverside Counties, between Calimesa and Banning.

Total bids follow:
(A) Geo. Gardner & Sons, Redlands, $4502.90.
(B) E. L. Yeager, San Bernardino, $4990.40.
(C) H. E. Cox & Son, Pasadena, $5291
(D) C. O. Sparks, Los Angeles, $5,-461.
(E) Matich Bros., Los Angeles, $5927.

Unit bids follow:
(1)(85 tons emulsified asphaltic road oil (A) $28; (B) $25.80; (C) $28; (D) $30; (E) $28.80.
(2) 710 tons screenings in place (A) $2.99; (B) $3.94; (C) $4.10; (D) $4.10; (E) $4.90.

AWARD

HUMBOLDT COUNTY, Nev.—Utah Const. Co., Ogden, at $68,288.58 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Humboldt County between Winnemucca and Toll House, Route 8, Section A2, a length of 11.74 miles.

Nevada Rock & Sand Co., Reno, at $71,166.04 submitted second low bid.

Complete bids will be given shortly

CONTRACT AWARDED

LYON COUNTY, Nev.—Jones and King, Jackson St., Hayward, Cal., at $63,499.23 submitted low bid and were awarded contract by Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Lyon County between Wabuska and eight miles north, Route 28, Section B, a length of 8.54 miles.

George Pollock, Sacramento at $63,-650.52 submitted second low bid.

AWARD

CHURCHILL COUNTY, Nev. — Isbell Const. Co., Carson City, at $82,-586.80 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Churchill County between Eastgate and 8 miles east, Route 2, Section F, a length of 8.03 miles.

Utah Const. Co., Ogden, at $84,-834.65 submitted second low bid.

CONTRACT AWARDED

BERKELEY, Calif.—Lee J. Immel, 1631 Evelyn St., Berkeley, at $1,848 awarded contract by Berkeley City Council for the improvement of Tunnel Road from The Uplands to the east city limits.

CONTRACT AWARDED

COLUSA COUNTY, Calif. — Albany Cement Contractors, Inc., 954 San Pablo Ave., Albany, at $3,455 awarded contract by the State Highway Commission, Sacramento, for the construction of about 0.3 mile of concrete curbs, gutters and driveways, in the city of Williams, Colusa Co., between F and D Sts., on 7th St., and between 8th St. and 6th St. on E St.

BIDS OPENED

SKAMANIA COUNTY, Washington —Coos Bay Constr. Co., 7433 N. Jersey St., Portland, at $62,059 submitted low bid and recommended for award of contract by the Bureau of Public Rds., 316 New Post Office Bldg., Portland, November 7, for constructing or improving 0.488 miles of the North Bank Highway Grading Project, NR-18-A3, National Forest Road Project, located within the Columbia National Forest, Skamania County, Washington. Complete bids follow:
Coos Bay Construction Co., Portland, $62,059.
J. C. Papin, Carson, $65,066.
Colonial Construction Co., Spokane, $69,599.
Elliott & Co., Seattle, $74,044.
Columbia Power & Investment Co., Stevenson, $75,068.
Kern & Kibbe, Portland, $77,438.
General Construction Co., Seattle, $77,-836.
Myers & Goulter, Seattle, $78,194.
A. C. Greenwood Co., Portland, $78,-685.
Earl L. McNutt, Eugene, $82,567.
E. Hefty, Portland, $82,656.
E. L. Gates, McCredie Springs, $82,-836.
Max J. Kuney, Spokane, $83,369.
Joplin & Eldon, Portland, $83,974.
Elich & Co., Seattle, $87,337.
L. Romano Engineering Corp., Seattle, $87,890.
Guthrie-McDougall, Portland, $90,469.
J. D. Harms, Seattle, $91,545.
Halleran Bros., Seattle, $94,699.
United Contracting Co., Portland, $99,-708.

PLANS COMPLETED

SOUTH SAN FRANCISCO, Calif.—The South San Francisco City Council has approved plans for improvement of Grand, Linden and Railroad Avenues with the city's share of gas tax funds. City Engineer R. A. Klassen will forward plans to State Division of Highways for approval.

CONTRACT AWARDED

PIERCE COUNTY, Wash.—Elliott & Co., Insurance Bldg., Seattle, at $19,470 awarded contract by the Bureau of Public Roads, Portland, for constructing or improving the Mount Rainier Nat'l Park East Side Highway Project PEC-5-D Clearing, National Park Road Project, located in the Mt. Rainier National Park, Pierce County, Wash.

BIDS WANTED

ELKO COUNTY, Nev.—Until Nov. 27, 2:30 P. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Building, Carson City, for the reconstruction of a portion of the State Highway System in Elko County, Route 13, Sections C1, C2, and C3, between Wells and four miles south of Little Salmon River, a length of approximately 49.78 miles:

The work involves:
(1) 10,100 c.y. roadway excavation;
(2) 5,694 sta. yds. overhaul;
(3) 88,663 c.y. select borrow;
(4) 800 c.y. structure excavation;
(5) 45.34 miles subgrade;
(6) 112,900 tons crushed gravel or stone surface;
(7) 710 l.f. 18-in. CMP;
(8) 94 l.f. 24-in. CMP;
(9) 82 l.f. 30-in. CMP;
(10) 76 l.f. 36-in. CMP;
(11) 135 each move pipe culvert headwalls;
(12) 45.34 miles finish roadway;
(13) 130 each monuments.

Plans and specifications obtainable from the above office upon deposit of $5.00; $2.50 returnable, and on file at office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market Street, San Francisco.

BIDS REJECTED

GRANT COUNTY, Ore. — All bids received by Bureau of Public Roads, July 18, for surfacing approximately 8.13 miles of the Pendelton-John Day Surfacing Project NR-33-No. 1, F1, National Forest Road Project, Umatilla National Forest, Grant County, Oregon, have been rejected. Max J. Kuney, Hutton Bldg., Spokane at $50-383 submitted the low bid.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

COMPLETE BID LISTING

WINSLOW, Arizona—Southern California Roads Co., 2145 E. 25th St., Los Angeles, at $15,092.40, as previously reported, submitted low bid to the Arizona State Highway Commission, Phoenix, November 8, for improving the Flagstaff-Winslow Highway, A. F.E. 662, NRH 22.

The work extends from the west city limits of Winslow along Second St., approximately 0.3 mile, consisting of removing old oil cake, placing new oil cake, constructing curb and gutter, and sealing entire width, involving:

(1) 1558 cu. yds. rdwy. excav. unclass.;
(2) 154 cu. ydts. drainage excavation, unclass.;
(3) 1500 sta. yds. earthwork overhaul;
(4) 500 cu. yds. mi. earthwork haul;
(5) 78 cu. yds. struc. excav. unclass;
(6) 1916 cu. yds. aggregate base course;
(7) 11,628 cu. yds. mi. do haul;
(8) 128 cu. yds. gravel sidewalk mamaterial;
(9) 780 cu. yd. mi. do haul;
(10) 4 cu. yds. Class A concrete, including cement;
(11) 164 lbs. reinforcing steel bars CIP
(12) 466 cu. yds. mineral aggregate CIP;
(13) 9428 gals. road oil (for road mix) CIP;
(14) 12 tons emulsified asph. (seal coat) CIP;
(15) 43 cu. yds. screenings CIP;
(16) 0.315 mi. removal of old oil cake;
(17) 0.315 mi. processing road mix (including remixing and relaying old oil cake);
(18) 3330 lin. ft. combined curb and gutter CIP;
(19) 1 each double catch basin CIP;
(20) 1580 lin. ft. 8-in. perferated C.M.P. (CIP);
(21) 10 lin. ft. 18-in. C.M.P. (CIP, including bands);
(22) 54 lin. ft. 24-in. C.M.P. (CIP, including bands;
(23) 40 lin. ft. 36-in. C.M.P. (CIP including bands;
(24) 132 cu. yds. rock backfill over perf. C.M.P.;
(25) 12 M. gals. sprinkling CIP;
(26) 80 hours rolling;
(27) 1465 lin. ft. wire mesh fence CIP
(28) 8 each 12-ft. metal fence gates CIP;

	(A)	(B)	(C)
(1)	$ .50	$ .50	$ 1.00
(2)	.20	.50	1.00
(3)	.05	.03	.05
(4)	.15	.15	.25
(5)	1.00	1.50	1.00
(6)	.25	.60	.50
(7)	.10	.12	.09
(8)	2.40	1.00	1.00
(9)	.10	.15	.09
(10)	20.00	25.00	30.00
(11)	.10	.10	.10
(12)	3.00	2.00	2.00
(13)	.10	.08	.10
(14)	40.00	45.00	50.00
(15)	7.00	5.00	5.00
(16)	200.00	500.00	1000.00
(17)	700.00	2000.00	1500.00
(18)	1.10	1.05	1.50
(19)	60.00	50.00	50.00
(20)	.90	1.25	1.00
(21)	2.00	2.50	2.50
(22)	2.75	3.50	3.00
(23)	5.00	6.00	5.50
(24)	2.20	3.00	3.00
(25)	1.50	4.00	3.00
(26)	2.00	5.00	3.00
(27)	1.60	1.75	1.70
(28)	100.00	85.00	85.00

All bids held under advisement.

LOS ANGELES COUNTY, Cal.—Griffith Co., 502 L. A. Railway Bldg., Los Angeles, at $7350.20, as previously reported, submitted low bid to the Department of Public Works, Division of Highways, S. V. Cortelyou, Dist. Engineer, State Bldg., Los Angeles, November 7, for about 0.3 mile to be graded and paved with asphalt concrete in the City of Los Angeles between the Los Angeles City Pumping Plant and West Channel Road, involving:

(1) 16 sta. clear and grub right-of-way;
(2) 6000 cu. yds. rdwy excav. unclass.;
(3)200 cu. yds. structure excav.;
(4) 2200 sq. yds. subgrade preparation;
(5) 950 tons asphalt concrete in place
(6) 8 cu. yds. Clas A Portland cement concrete do;
(7) 700 lbs. bar rein. steel in place;
(8) 72 lin. ft. 18-in. reif. conc. pipe in place;
(9) 2 cu. yds. concrete removed and disposed of;
(10) 15 tons fuel oil in place (shoulder)
(11) 1700 sq. yds. preparing, mixing and shaping shoulders;
(12) 44 lin. ft. pipe and timber guardrail in place;
(13) Remove and salvage exist. timber guardrail;
(14) 16 stations finishing roadway.

Total bids follow:

(A) Griffith Co., Los Angeles, $7350.20
(B) C. O. Sparks, Los Angeles, $7,-636.90.
(C) H. E. Cox & Son, Pasadena, $8,-386.50.
(D) L. A. Paving Co., Inc., Los Angeles, $9888.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)....	$ 2.50	$ 5.00	$ 3.00	$10.00
(2)....	.50	.40	.50	.70
(3)....	.75	.75	.75	2.00
(4)....	.10	.15	.10	.15
(5)....	3.24	3.95	4.25	4.00
(6)....	23.00	30.00	25.00	20.00
(7)....	.04	.06	.08	.06
(8)....	2.60	2.70	3.00	3.50
(9)....	5.00	3.00	5.00	5.00
(10)....	12.00	12.00	12.00	10.00
(11)....	.06	.06	.10	.07
(12)....	2.75	1.25	1.00	2.50
(13)....	10.00	25.00	15.00	75.00
(14)....	2.50	5.00	2.50	5.00

SEWER SYSTEM — BRAWLEY — (CITY)

BRAWLEY, Cal. —Bebek & Brkich and Artukovich Bros., 912 S. Atlantic Blvd., Hynes, at $77,379.52, as previously reported, submitted low bid to the Brawley City Council, November 7, for the construction of extensions to the sewer system in accordance with plans and specifications prepared by Koebig & Koebig, 458 S. Spring St., Los Angeles, consulting engineers. The work involves:

(1) 12,124 ft. 8-in. vitrified clay pipe;
(2) 119 ft. 10-in. vitrified clay pipe;
(3) 2365 ft. 12-in. vitrified clay pipe;
(4) 6453 ft. 15-in. vitrified clay pipe;
(5) 7836 ft. 18-in. vitrified clay pipe;
(6) 9382 ft. 21-in. vitrified clay pipe;
(7) 421 8x6-in. wye branches only;
(8) 10 15x6-in. wye branches only;
(9) 74 18x6-in. wye branches only;
(10) 15 18x12-in. wye branches only;
(11) 207 ft. 8-in. C. I. pipe for R. R. crossing;
(12) 207 ft. 18-in. C. I. pipe do;
(13) 148 ft. 20-in. C. I. pipe do;
(14) 15 90 degrees elbows, 12-in.;
(15) 94 manholes;
(16) 28 manholes to be constructed on existing sewers (approximately 1040 ft. of manhole construction) price per ft. per manhole;
(17) 2 concrete outlet bulkheads;
(18) 3032 lin. ft. paving.

The bids, which were referred to the engineer for tabulation and report, were:

(A) Bebek & Brkich and Artukovich Bros., Hynes, $77,379.52.
(B) Gogo & Rados, Los Angeles, $79,-571.34.
(C) Miracle Co., San Diego, $80,406.86
(D) Heuser & Garnett, Glendale, $85,-346.98.
(E) V.C.K. Constr. Co., Los Angeles, $87,269.09.
(F) Miagenovich & Gillespie, Beverly Hills, $87,475.32.
(G) Shofner & Gordon, Los Angeles, $88,988.73.
(H) J. L. Kruly, Los Angeles, $89,-998.
(I) Henderson & Zaich, Glendale, $92,-926.15.
(J) Mike Radich and Nick Vlacich, Los Angeles, $93,991.88.
(K) J. C. Hickey, Alhambra, $94,-296.38.
(L) W. J. Tobin, Oakland, $95,508.37.
(M) Fredrickson & Watson, Oakland, $96,885.88.
(N) John Grancich, Los Angeles, $103,166.02.

Engineer's estimate (no unit prices), $87,200.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
(1)	$ .90	$ .90	$ .64	$ .77	$ .90	$ .80	$ .92	$ .95	$ .80	$ .94	$ 1.03	$ .98	$ .97	$ 1.03
(2)	1.00	1.10	.90	.87	1.25	1.22	1.10	1.50	1.00	1.13	1.40	1.13	1.00	1.16
(3)	1.15	1.30	1.10	1.14	1.50	1.28	1.50	1.60	1.25	1.23	1.54	1.53	1.20	1.43
(4)	1.25	1.48	1.65	1.74	1.85	1.81	1.90	1.95	1.90	2.03	2.08	2.01	1.85	1.92
(5)	2.30	2.20	2.20	2.26	2.36	2.34	2.30	2.40	2.75	2.68	2.89	2.58	2.50	2.45
(6)	2.80	2.60	2.60	3.25	3.03	3.21	2.95	3.00	3.50	3.44	3.26	3.16	3.45	4.50
(7)	.70	.65	1.55	.67	.57	.70	1.50	1.50	1.00	2.25	2.00	1.00	1.95	.80
(8)	2.00	2.00	4.25	2.00	1.55	2.00	4.50	4.50	2.10	5.50	4.00	2.50	5.60	2.00
(9)	2.78	3.00	5.85	2.80	2.14	2.80	6.25	6.50	4.25	8.50	6.00	4.00	8.00	2.75
(10)	2.78	3.00	6.00	3.00	2.14	2.80	6.25	6.50	4.25	8.50	6.00	4.00	8.00	2.75
(11)	1.70	1.75	3.10	2.40	2.28	2.75	3.50	3.00	2.00	2.25	2.66	3.50	2.80	2.00
(12)	5.00	5.20	6.30	6.70	5.42	6.11	5.50	6.50	4.25	8.35	5.06	8.00	6.50	6.00
(13)	6.00	5.50	7.00	7.40	6.33	6.77	6.25	7.50	5.50	9.35	6.09	10.00	9.00	7.50
(14)	2.50	25.00	5.50	2.50	18.50	5.00	2.50	4.75	3.00	22.00	5.00	4.00	5.00	15.00
(15)	55.00	70.00	80.00	72.00	64.00	65.00	85.00	80.00	80.00	64.00	50.00	80.00	100.00	68.80
(16)	8.00	9.50	15.00	9.00	12.50	12.00	15.00	10.00	14.00	12.00	10.00	15.00	14.00	7.65
(17)	60.00	85.00	26.00	40.00	125.00	50.00	100.00	100.00	20.00	50.00	50.00	100.00	35.00	20.00
(18)	.75	1.10	1.40	.80	.95	1.20	.80	.60	.50	.30	.50	1.00	.80	.75

CONTRACT AWARDED

DOUGLAS COUNTY, Nev. — Fredrickson and Watson Const. Co. and Fredrickson Bros., 873 81st Ave., Oakland, Calif., at $84,155.17 submitted low bid to the Navada State Highway Directors, Carson City, October 30, as previously reported, and were awarded contract November 7 for the construction of 4.73 miles of State Highway System in Douglas County, Route 3, Sections C2 and C4, NRH 38 A, B, and 99a, between Cradlebough and Clear Creek.

Total bids follow:

(A) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $84,155.17
(B) Dodge Const. Co., Fallon, Nev., $85,728.57.
(C) Union Paving Co., San Francisco $88,680.84.
(D) Engineer's estimate, $86,636.50.

Unit quantities follow:

(1) 62 l.f. remove culvert pipe;
(2) 4 each remove culvert headwalls;
(3) 26,400 c.y. rdwy. excavation;
(4) 44 136 sta. yds. overhaul;
(5) 12 900 c.y. select borrow;
(6) 780 c.y. struc. excavation;
(7) 4 68 miles subgrade;
(8) 4.73 miles finishing roadway;
(9) 225 c y. Class A concrete;
(10) 3 c.y. Class B concrete;
(11) 55 c.y. Class D concrete;
(12) 38,600 lbs. reinforcing steel;
(13) 49,000 lbs. structural steel;
(14) 4.8 MFBM redwood lumber;
(15) 910 l.f. treated piling;
(16) 26 each driving treated piling;
(17) 252 l f. 18-in. CMP;
(18) 206 l.f. 24-in. CMP;
(19) 34 l f 30-in. CMP;
(20) 62 l.f. rleay culvert pipe;
(21) 30 each move pipe culvert headwalls;
(22) 65 c.y. demolishing concrete;
(23) 4 74 miles salvage and relay surface;
(24) 12,200 tons plant mix crushed gravel or stone base;
(25) 8,800 tons plant mix asph. surf.;
(26) 441 tons asphalt road material, Type MC-3 or MC-4;
(27) 6 957 gals. do. Type SC-1A;
(28) 550 M. gals. water;
(29) 21 each monuments.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ .50	$ .75	$ .60	$ 1.00
(2)	10.00	5.00	10.00	10.00
(3)	.35	.35	.40	.40
(4)	.03	.03	.02	.04
(5)	.35	.50	.50	.50
(6)	1.25	1.50	2.00	1.10
(7)	125.00	200.00	200.00	150.00
(8)	200.00	150.00	200 00	100.00
(9)	26.00	28.00	28.00	30.00
(10)	20.00	30.00	20.00	30.00
(11)	36.00	30.00	30.00	32.00
(12)	.05	.07	.05	.07
(13)	.06	.08	.10	.08
(14)	100.00	125.00	130 00	120.00
(15)	.65	1.00	.90	1.00
(16)	30.00	30.00	25.00	30.00
(17)	1.80	2.00	2 25	2.00
(18)	2.50	3.00	3.00	3.00
(19)	3.50	4.00	4.00	3.75
(20)	.50	.75	.50	1.00
(21)	12.00	12 50	10.00	10.00
(22)	5.00	5.00	6.00	5.00
(23)	400.00	750.00	600.00	650.00
(24)	1.43	1.25	1.30	1.20
(25)	2.20	2.00	1 90	2.00
(26)	22.00	21.00	25.00	21.00
(27)	.07	.07	.06	.08
(28)	2.00	1.20	2.50	2.00
(29)	3.00	3.00	2.50	3.00

BIDS OPENED

LOS ANGELES, Calif. — Following bids received by D. P. Nicklin, Purchasing Agent, Los Angeles Water & Power Bureau, Room 740, 207 South Broadway, November 8, for furnishing creosoted cross arms during a period of 12 months beginning Dec. 7.

The bidders were:

(A) Joslyn & Co., discount, 2% 30 days.
(B) Maydwell & Hartzell, discount 1% 30 days, mill value.
(C) Hammond Lumber Co., discount 2%, 30 days.
(D) Pan-Pacific Piling & Const. Co. Terms net.
(E) Patten-Blinn Lumber Co., discount, 2% 30 days.
(F) General Electric Supply Corp., discount 1% 30 days, combined award, discount 2½%.
(G) General Electric Supply Corp., alternate bid for mixed quantities of 300 cross arms.
(H) Pan-Pacific Piling & Const. Co., alternate bid No. 1 domestic creosote oil.
(I) Graybar Electric Co. Terms net.

The items were:

(1) for 6-in. creosoted cross arms;
(2) for 10-in. do;
(3) for 11-ft. 4-in. do;
(4) for 9-ft. do.

The bids were:

	(1)	(2)	(3)	(4)
(A)	$97.50	$127.50	$150.00	$112 50
(B)	64.50	79.25	108.25	82.00
(C)	97.50	127.50	150.00	112.50
(D)	86.80	106.80	146.00	109.00
(E)	63.67	79.50	108.75	81.50
(F)	67.65	84.55	114.00	85.50
(G)	68.75	86.19	115.83	87.04
(H)	92.80	114.40	156 00	118.00
(I)	68.54	84.30	114.98	87.20

HIGHWAY — ESMERALDA CO., NEVADA — (STATE)

ESMERALDA COUNTY, Nevada.—Dodge Const., Inc., Fallon, at $129,046.24 submitted low bid to the Nevada State Highway Directors, Oct. 30, as previously reported, and was awarded contract November 7, for the construction of 23.19 miles of the State Highway System in Esmeralda County, Route 3, Sections D and E, NRH 97 A and B, between four miles west of Millers and Coaldale.

The work involves:

(1) 1206 l.f. remove culvert pipe;
(2) 80 each remove culvert headwalls
(3) 119.750 c.y. roadway excav.;
(4) 26 188 sta. yds. overhaul;
(5) 4 686 c.y. select borrow;
(6) 2.500 c.y struc. excavation;
(7) 23.63 miles subgrade;
(8) 23.64 miles finishing roadway;
(9) 96.300 tons crushed stone or gravel surface;
(10) 550 c.y. Class A concrete;
(11) 119 c y. Class B concrete;
(12) 59 900 lbs. reinf. steel;
(13) 1,286 l.f. 24-in. CMP;
(14) 856 l.f. 30-in. CMP;
(15) 350 l.f. 36-in. CMP;
(16) 854 l.f relay culvert pipe;
(17) 80 each move pipe culvert headwalls;
(18) 89 each monuments;
(19) 50 c.y. riprap.

Complete bids follow:

(A) Dodge Const., Inc., Fallon, $192,046.24.
(B) Isbell Const. Co., Carson City, $139,265.66.
(C) Union Paving Co., San Francisco $139,716.44.
(D) Gibbons & Reed, Salt Lake City, $141,165 94.
(E) Nevada Rock & Sand Co., Reno, $143,631.52.
(F) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, Calif., $149,635.30.
(G) George Pollock Co., Sacramento $149,781.60.
(H) Engineer's estimate, $155,397.60.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .75	$ .50	$ .50	$ .45	$ .50	$ .50	$ 1.00	$ .50
(2)	5 00	10.00	9.00	6 00	10.00	8.00	10.00	7.50
(3)	.28	.30	.35	.36	.34	.34	.40	.35
(4)	.03	.02	.02	.03	.04	.02	.03	.02
(5)	.35	.40	.38	.40	.50	.50	.50	.40
(6)	1.20	1.00	1.50	85	1.00	1.00	1.20	1.00
(7)	100.00	100.00	100.00	100.00	100 00	100.00	200.00	100.00
(8)	100 00	100.00	150.00	125.00	100.00	100.00	200.00	100.00
(9)	.55	.60	.55	.55	.60	.65	.50	.70
(10)	25.00	30.00	28.00	28.00	25.00	30.00	30.00	30.00
(11)	25.00	30.00	26.00	28.00	30.00	30.00	32.00	30.00
(12)	.07	.07	.05	.08	.07	.07	.07	.07
(13)	2.75	2.75	2.50	2.85	3.00	3.00	3.00	3.00
(14)	3.25	3.50	3.50	3.55	4.00	3.80	4.00	4.00
(15)	5.00	5.10	5.50	5.30	5.00	5.00	6.00	5.00
(16)	.75	.75	.75	.45	1.00	.70	1.00	.75
(17)	12.50	10.00	9.00	13.20	15.00	10.00	10.00	10.00
(18)	3.00	3.50	3.00	3.00	3.00	3.00	4.00	3.50
(19)	4.00	4.00	6.00	3.50	5.00	4.00	5.00	4.00

PERSHING CO., NEVADA — Rye Patch Dam — (Govt.)

PERSHING COUNTY, Nevada—J. A. Terteling & Sons, Boise, Idaho, at $256,322.50, as previously reported, submitted low bid to the Bureau of Reclamation, Lovelock, Nevada, under Spec. No. 597, for the construction of the Rye Patch Dam, Humboldt Project, Nevada. The work is located near Lovelock, Pershing County, Nevada, and will impound waters of the Humboldt River for irrigation in the Lovelock Valley. A loan of $1,600,000 for the construction has been made by the Public Works Administration.

A protest is expected on the low bid on the ground that the bidder is not licensed in the State of Nevada. The second bidder, D. McDonald, 204 23rd St., Sacramento, and F. O. Bohnett, Campbell, bidding jointly, at $263,506.50 is properly licensed and qualified. The work involves:

(1) Lump sum, diversion and care of river and unwatering foundations;
(2) 1200 cu. yds. excavation, stripping sand and gravel deposit;
(3) 10,000 cu. yds. excavation, stripping borrow pits;
(4) 38,000 cu. yds. excav., stripping for embankment;
(5) 160,000 cu. yds. excav., all classes, for spillway and tunnel outlet;
(6) 20,000 cu. yds. excavation, all classes, for tunnel inlet;
(7) 3000 cu. yds. excav., all classes, in outlet tunnel;
(8) 25,000 cu. yds. excav., all classes, for embankment toe-drains and cut-off trenches;
(9) 75,000 cu. yds. excav., common, in borrow pits and transportation to dam embankment;
(10) 25,000 cu. yds. excav., rock, in borrow pits and transportation to dam embankment;
(11) 10,000 cu. yds. back fill about structures;
(12) 215,000 cu. yds. earth fill in embankment;
(13) 4000 cu. yds. gravel blankets on embankment;
(14) 25,000 cu. yds. rock fill on downstream slope of embankment;
(15) 8000 cu. yds. dumped riprap on upstream slope of embankment;
(16) 2000 cu. yds. screened gravel under floor of spillway gate struc.;

(Continued Next Page)

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)
(1)	$2,000.00	$1,500.00	$3,000.00	$2,000.00	$2,000.00	$11,400.00	$5,000.00	$5,000.00	$2,000.00	$5,000.00	$2,500.00	$10,000.00	$21,500.00	$5,000.00	$10,000.00	$6,000.00	$5,000.00	$5,000.00	$20,000.00	$9,700.00
(2)	.20	.25	.30	.30	.25	.20	.15	.20	.29	.30	.30	.20	.18	.50	.25	.25	.30	.30	.25	.21
(3)	.20	.15	.16	.24	.25	.31	.13	.20	.24	.30	.30	.20	.18	.25	.15	.25	.30	.30	.30	.30
(4)	.25	.17		.37	.30	.30	.25	.20	.29	.30	.45	.325	.22	.50	.30	.22	.45	.45	.35	.35
(5)	.30	.21		.24	.25	.25	.24	.24	.24	.30	.29	.34	.22	.35	.30	.33	.40	.25	.26	.35
(6)	.25	.21		.27	.275	.28	.24	.24	.335	.30	.40	.35	.22	.50	.30	.40	.60	.35	.25	.30
(7)	4.00	2.50	5.00	4.00	8.00	7.70	4.50	2.75	5.00	8.00	6.00	6.00	5.00	8.00	10.00	7.50	10.00	8.00	4.00	12.00
(8)	.50	.22	.55	.55	.40	.36	.30	.30	.30	.30	.50	.60	.60	.75	.30	.48	.65	.60	.85	.37
(9)	.26	.15	.22	.24	.275	.20	.20	.22	.36	.30	.30	.26	.25	.35	.25	.30	.20	.25	.33	.30
(10)	.80	1.50	1.00	.55	.80	.87	1.60	1.05	.35	1.00	1.10	1.00	1.00	1.00	.25	1.22	1.00	1.00	2.00	2.05
(11)	.60	.45	.50	.50	.40	.27	.36	.40	.30	.30	.50	.30	.60	.25	.50	.24	.60	.75	.70	.50
(12)	.10	.10	.09	.07	.10	.10	.20	.20	.09	.125	.12	.20	.21	.15	.15	.11	.20	.15	.23	.12
(13)	.80	.50	.09	.90	.90	.80	.70	.70	.12	.100	.80	.20	1.00	.75	1.50	.63	1.15	.15	1.40	2.00
(14)	.15	.20	.55	.25	.15	.24	.35	.35	.20	1.00	.35	.20	.70	.30	.40	.53	1.00	.45	1.20	.50
(15)	.30	.20	1.00	1.00	.50	1.35	.30	.30	.34	1.00	.35	.75	1.70	1.00	1.00	1.50	1.50	.90	.90	.90
(16)	1.00	2.50	1.15	1.00	1.50	1.07	1.40	2.50	1.30	1.00	1.10	1.00	1.70	1.00	1.00	1.65	2.50	2.00	2.00	3.00
(17)	.50	1.00	.35	.55	.80	.87	.90	.80	.60	1.00	.50	1.00	1.60	1.00	1.00	.55	1.30	1.75	1.10	1.10
(18)	.50	.50	.50	.30	.70	.40	.40	.75	.60	1.00	.70	.70	.30	1.00	.75	.50	1.00	.45	1.30	1.00
(19)	.50	.50	.40	.25	.40	.40	.80	.70	.60	1.00	.50	.65	.60	.75	.50	.45	.80	.50	1.10	.90
(20)	.50	.50	.35	.25	.55	.40	.75	.65	.60	1.00	.50	.60	.30	.75	.50	.25	.75	.90	.60	.60
(21)	.50	1.50	.70	.50	.50	.40	1.50	1.25	.50	1.00	.50	2.50	.50	.50	.50	.45	4.50	4.50	.60	.90
(22)	.50	1.50	.50	.50	1.00	.57	1.00	.35	.60	1.00	.60	1.00	.30	1.00	1.00	.35	1.50	3.00	1.50	.75
(23)	1.00	1.00	1.00	1.00	.60	.57	.75	2.30	2.30	.50	1.50	1.00	1.40	1.00	1.00	.50	1.50	1.25	2.50	.85
(24)	.10	.10	.10	.10	.15	.20	.15	.20	.10	.10	.20	.15	.05	.25	.25	.20	1.25	.30	.20	.20
(25)	1.00	.50	.50	1.50	1.25	2.70	1.40	2.00	1.00	1.00	2.00	1.25	3.00	3.00	1.50	1.00	2.25	2.25	.20	.35
(26)	15.00	14.00	12.00	15.00	18.00	16.00	22.00	18.00	21.00	12.00	19.00	20.00	17.00	25.00	25.00	16.00	26.00	24.50	20.00	18.50
(27)	12.00	16.00	9.50	12.75	14.25	15.00	13.50	17.00	15.20	12.00	25.00	16.00	16.00	18.00	30.00	20.00	16.00	15.00	15.00	22.00
(28)	20.00	35.00	30.00	33.50	20.00	36.00	30.00	22.00	21.00	12.00	38.00	26.00	28.00	20.00	35.00	35.00	25.00	50.00	25.00	25.00
(29)	5.00	9.00	8.00	9.35	16.00	9.10	9.50	12.00	10.16	12.00	12.00	14.00	11.00	13.00	15.00	15.00	12.00	12.00	11.50	18.50
(30)	15.00	18.00	10.00	15.00	16.00	13.20	18.00	18.00	10.16	12.00	18.00	16.00	20.00	20.00	20.00	18.30	15.00	20.00	12.00	18.50
(31)	.0125	.015	.016	.015	.015	.014	.02	.02	.015	.01	.02	.015	.014	.02	.015	.02	.015	.02	.016	.015
(32)	.01	.02	.008	.02	.02	.013	.02	.02	.02	.01	.02	.015	.02	.0125	.015	.025	.02	.025	.02	.015
(33)	.10	.01	.07	.0535	.08	.07	.075	.05	.065	.025	.06	.015	.05	.02	.06	.075	.07	.06	.07	.06
(34)	500.00	500.00	450.00	500.00	500.00	800.00	500.00	600.00	250.00	750.00	750.00	500.00	250.00	500.00	500.00	500.00	350.00	1000.00	1000.00	450.00
(35)	2.00	6.00	6.00	5.00	5.00	6.70	6.00	5.00	4.15	8.15	6.00	4.50	4.50	6.00	4.00	2.50	5.00	10.00	6.50	8.00
(36)	1.00	2.00	2.00	2.00	2.50	2.00	3.00	2.50	2.60	2.72	2.00	4.00	3.00	4.00	1.50	2.75	3.40	2.00	2.00	2.00
(37)	.02	.01	.02	.01	.02	.02	.0225	.025	.03	.025	.02	.03	.02	.02	.02	.02	.035	.04	.015	.04
(38)	.03	.015	.02	.015	.03	.02	.02	.02	.025	.025	.03	.02	.02	.02	.02	.04	.035	.04	.025	.05
(39)	.05	.10	.05	.02	.05	.02	.05	.04	.10	.025	.10	.05	.02	.03	.05	.10	.15	.12	.03	.05
(40)	.03	.012	.02	.01	.025	.02	.0225	.02	.02	.025	.025	.02	.02	.02	.02	.02	.03	.04	.015	.04
(41)	.02	.02	.02	.01	.02	.02	.025	.02	.06	.025	.03	.03	.03	.02	.02	.03	.03	.06	.025	.04
(42)	.03	.075	.02	.02	.03	.055	.045	.04	.02	.025	.06	.02	.03	.03	.05	.04	.07	.12	.03	.05
(43)	.05	.03	.08	.01	.04	.07	.05	.05	.10	.025	.08	.05	.05	.03	.05	.04	.15	.25	.03	.05
(44)	.10	.10	.10	.10	.10	.27	.20	.18	.06	.025	.15	.15	.05	.10	.50	.10	.15	.10	.10	.10
(45)	.20	.15	.20	.10	.20	.23	.20	.12	.20	.25	.30	.15	.20	.40	.20	.30	.25	.40	.10	.25
(46)	300.00	150.00	300.00	250.00	250.00	670.00	500.00	200.00	400.00	150.00	200.00	600.00	300.00	500.00	500.00	400.00	150.00	500.00	1000.00	110.00

(17) 5000 lin. ft. 12-in. diameter sewer pipe drains;
(18) 330 lin. ft. 10-in. diameter do;
(19) 560 lin. ft. 8-in. diameter do;
(20) 660 lin. ft. 6-in. diameter do;
(21) 120 lin. ft. 4-in. diameter do;
(22) 55 lin. ft. 4-in. diameter cast-iron pipe drains;
(23) 2500 lin. ft. drilling grout holes;
(24) 1200 lbs. installing grout pipe & fittings for grout connections;
(25) 700 cu. ft. pressure grouting;
(26) 70 cu. yds. concrete in trash-rack structure and transition;
(27) 1200 cu. yds. concrete in outlet tunnel and gate chamber;
(28) 20 cu. yds. concrete in control house;
(29) 5300 cu. yds. concrete in spillway
(30) 250 cu. yds. concrete in parapet and curb walls;
(31) 700,000 lbs. placing reinf. bars;
(32) 500,000 lbs. driving steel sheet piling;
(33) 162,000 lbs. furnishing and installing steel tunnel liner plates;
(34) Lump sum, construction of control house, except concrete;
(35) 500 cu. yds. rubble concrete paving;
(36) 500 sq. yds. grouted paving;
(37) 22,000 lbs. installing trash-rack metal work;
(38) 104 000 lbs. installing high-pressure slide gates and conduit linings;
(39) 11,000 lbs. installing control apparatus for high-pressure slide gates;
(40) 74,000 lbs. installing outlet pipes;
(41) 125,000 lbs. installing radial gates and operating mechanism;
(42) 6000 lbs. installing metal stairways, ladders and walkway;
(43) 5000 lbs. install pipe handrail and weep pipes;
(44) 400 lbs. install sump pump and accessories;
(45) 500 lin. ft. install electrical metal conduit;
(46) Lump sum, install electrical conductors and apparatus.

Total bids follow:

(A) J. A. Terteling & Sons, Boise, Idaho, $256,322.50.
(B) D. McDonald, Sacramento, and F. O. Bohnett, Campbell, $263,-506.50.
(C) Utah Constr. Co., Ogden, Utah, $267,911.50.
(D) Paul J. Tyler, Oroville, Calif., $272,290.50.
(E) Barnard-Curtiss Co., Minneapolis, Minn., $301,885.
(F) Fredrickson & Watson Constr. Co. Fredrickson Bros., Jones & King Oakland, $303,892.35.
(G) Morrison - Knudsen Co., Boise, Idaho, $306,085.
(H) Dunn & Baker, Klamath Falls, Oregon, $318,782.25.
(I) Leo E. Dixon Co., Los Angeles, $321,608.
(J) J. C. Maguire Constr. Co., and The Lawler Corp., Butte, Mont., $339,195.
(K) Gibbons & Reed Co., Salt Lake City and Dodge Constr. Co., Inc. Fallon, Nevada, $357,448.
(L) Guy F. Atkinson Co., San Francisco, $373,375.
(M) Bechtel Co., San Francisco, $379,-403.
(N) Geo. Pollock Co., Sacramento, $381,152.
(O) V. R. Dennis Constr. Co., San Diego, $392,392.50.
(P) Winston Bros. Co., Minneapolis, Minn., $395,806.25.
(Q) A. Teichert & Son, Inc., Sacramento, $405,095.50.
(R) Oswald Bros., Los Angeles, $409,-234.
(S) Central Contractors, Omaha, Neb. (Bid irregular) $435,679.50.
(T) Mittry Bros. Constr. Co., Los Angeles, $464,073.25.

Unit bids follow:

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IN THIS ISSUE

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FHA Home-Financing Regulations Outlined

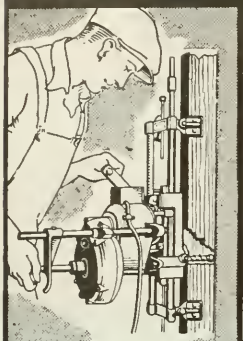
Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

EMBER 24, 1934

Vol. XVII—No. 47

WAPPAT Electric TOOLS



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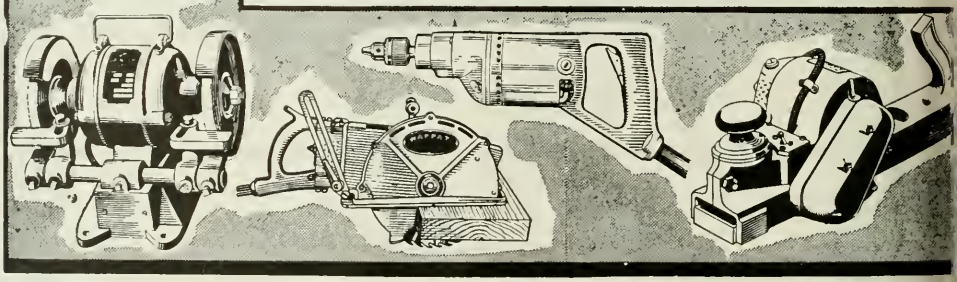

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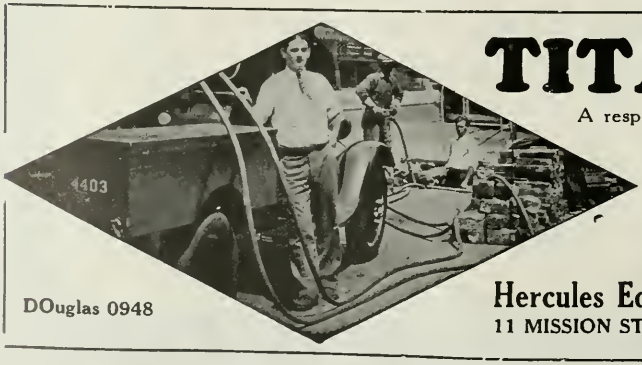

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'ol. XVII SAN FRANCISCO, CAILF., NOVEMBER 24, 1934 No. 47

Commission Asks Proposals on Five State Highway and Bridge Contracts

SACRAMENTO, Nov. 20.—The State Highway Commission today called for bids on five contracts involving highway construction and improvements and construction of two bridges. The projects are located as follows:

Fresno County: Construction of a steel beam bridge with concrete deck across Kings River about one and one-half miles east of Center-lle, and grading and surfacing bout one and two-tenths miles of adway approaches to the bridge. he bridge itself is to consist of ie seventy-foot span, one sixty-ree-foot span and one sixty-two-ot span, resting on concrete piers id abutments. Bids on this proj-t will be opened December 12.

Tulare County: Grading and pav-g with asphalt concrete about one ile in the city of Tulare. Bids op-1 December 12.

Lassen and Sierra Counties: rading and oiling about ten and ve-tenths miles between 2.8 miles orth of the junction of Routes 21 id 29 and the Nevada state line. ids open December 12.

Plumas County: Construction of bridge across the north fork of eather River at Tobin. The bridge to consist of a two hundred nine-foot through steel truss span and vo thirty-five-foot concrete box butments. Bids open Dec. 12.

San Benito County: Grading and irfacing with crusher run base id oil treated crusher run sur-icing about two and six-tenths iles between Route 2 and San uan Bautista. Bids on this proj-t are to be opened December 19.

IATERIAL PRICE AVERAGE RISES

The average of building material rices rose slightly during the week ading November 10, according to ie survey of the U. S. Bureau of abor Statistics. The increase was ue to higher prices for sand, tar nd gravel. Brick and tile, paint nd paint materials, and plumbing nd heating fixtures registered nall decreases. Cement, lumber, :ructural steel were unchanged.

The index for the week was 85.1, ompared with 84.9 for November and 84.4 for the corresponding eek of 1933.

BIDS DEC. 4 ON SEBASTOPOL HIGH SCHOOL

Analy Union High School District Receiving Proposals On $185,000 Structure

Bids for construction of a high school building to cost approximately $185,000 are to be opened by trustees of the Analy Union High School District December 4. The school is to be located in Sebastopol, Sonoma county.

The building is to be of two-story reinforced concrete construction and will contain twenty classrooms, an auditorium, cafeteria and kitchen. The auditorium when completed will seat a thousand persons. The cafeteria and kitchen will be located in the basement of the building. Plans call for a tar and gravel and part tile roof and linoleum floors.

Funds for the project were derived through sale of a $190,000 bond issue voted at a special election last June.

Plans for the building were prepared by Architects Louis Stone, J. W. Rowell and Henry C. Smith. Norman Green is structural engineer and Robert L. St. John Company mechanical engineer for the project.

Bids are being taken for a general contract, with separate proposals for electrical work and heating work.

An allotment of Public Works Administration funds was made to the project last July. The bonds, however, were sold to a private firm.

It is understood that a manual training building to cost about $45,000 will be added later.

FRESNO CONGRESS ADOPTS PROGRAM OF LEGISLATION

Interests of Industry to be Protected at Next Session of Legislature

Meeting in Fresno under the auspices of the Construction Congress of the California State Chamber of Commerce, representatives of all branches in the industry last Friday outlined a program of legislation to be presented at the forthcoming session of the state legislature. An executive committee was established to carry out the recommendations.

Subjects considered by the congress included changes in the contractors' license act; continuance of the Field and Reilly acts; abolition of state-operated convict camps for road construction; appointment of building and construction committees in both houses of the legislature; standardization of plumbing installations in rural areas by state regulation; promotion of a state bond issue to finance improvements and additions to state institutions; application to the Federal government for a $30,000,000 loan to supplement the state bond issue for veterans' home building.

H. M. Walker, director of the State Chamber of Commerce, presided at the confereuce.

The following executive committee was appointed to carry forward the congress recommendations:

Architects, W. I. Garren, San Francisco, and J. E. Allison, Los Angeles; engineers, R. B. a Barre, Los Angeles, and J. B. Leonard, San Francisco; contractors, Floyd Booe, San Francisco, and J. Layne, Los Angeles; sub-contractors, J. C. Kennedy, San Francisco, and E. M. Daniels, Los Angeles; California Builders Exchange, P. M. Sanford, Richmond, and R. E. Homann, Los Angeles; manufacturers, H. B. Potter, Los Angeles and H. F. Blair, San Francisco; supply dealers, Kenneth Smith, Los Angeles, and Nat Levy, Oakland; financial and ownership, G. L. Pape, San Francisco and C. H. Wade, Los Angeles.

NRA TO SPEED APPROVAL OF PAINTER WAGES

Special Consideration Will Be Asked By French To Settle Strike

Accompanied by an urgent request for early approval, the statewide collective bargaining agreement of the painting industry will be dispatched to Washington early this week.

Following a public hearing held Friday in San Francisco a conference between sponsors and those protesting the agreement was conducted by Will J. French, state labor relations director of the NRA. Mr. French will continue the conference today and it is expected that principal objectons will be settled satisfactorily.

Protests were entered at the public hearing by local painters unions of Sacramento, Fresno, Bakersfield and Santa Barbara, all of which are operating under contracts with employers and opposed the $7.00 wage scale, the scale which they are receiving being higher. The proposed agreement fixes minimum wages and maximum hours only and would not supersede any existing agreements which provide better terms for labor, Mr. French advised the protestants. With this understanding, Fresno local withdrew its protest, but the others were allowed to stand.

The Building Managers' Association also filed an exception to the classification of permanent employees.

Mr. French said he would direct the attention of NRA officials in Washington to the strike conditions affecting the painting industry here and ask that special consideration be given the agreement in order to settle the wage dispute.

Herbert Brace, representing the California Council of Master Painters and Decorators, said 484 members of the organization and 950 contracting painters who are not members had approved the agreement on behalf of the employers. The sponsors numbered about sixty per cent of the state's painting contractors, he declared. Twenty-seven local unions and three district councils endorsed the agreement for labor.

The agreement is state-wide in scope and if approved by the National Recovery Administration will esablish a uniform minimum wage of $1 an hour for a seven-hour day and five-day week in the painting, paperhanging and decorating industry.

Shasta County's expenditures for highways, bridges and other road structures reached a total of $71,-02 during the fiscal year 1933, according to the annual report of financial transactions compiled by State Controller Ray L. Riley.

Swinerton Outlines New Home Financing And Mortgage Renewal Under Housing Act

In view of the great amount of general interest in Title II of the National Housing Act, under which new homes can be financed and old mortgages renewed at low interest rates and on long-term payments, the following official outline of provisions under which such financing may be obtained has been made public by Alfred B. Swinerton, regional director for the Federal Housing Administration:

This portion of the act provides the legal basis for the long-range program of the Federal Housing Administration as distinguished from the modernization and improvement program which has been going on since August 10, although that program will continue until the end of 1935.

This is the first time in the history of finance that a uniform basic interest rate has been applied to private capital throughout the United States. Heretofore, our interest rates on the West Coast have always been one percent higher than in the Middle West and East. There probably was never any good reason for the higher interest rate on the West Coast except as the outgrowth of custom when we were a long distance from the money market.

Conditions Change

However, with one-day airplane service to the East Coast and instant radio, telegraph and telephone connections, there is now no reason why the interest rate on residential financing should not be uniform. This interest rate has been fixed at five per cent on new construction loans, and at 5½% on mortgages which constitute refunding of present indebtedness.

An opportunity to owners of dwellings to refinance their mortgages on more favorable terms, and to prospective owners to obtain financing on terms comparable to the payment of rent is presented. Mutual insurance of mortgages on existing or new dwellings in amounts up to 80% of the appraised value and for as much as $16,-000, with payments extending over a period of 20 years, with the privilege of payment by regular monthly installments, is provided.

How Loans Made

Loans on such insured mortgages are to be made by lending institutions who may qualify as eligible mortgagees. This will include the larger banks, building and loan associations, insurance companies, etc., which may be approved by the Federal Housing Administration as eligible to make an insured mortgage. Regular periodic payments on principal will be required at a rate sufficient to pay off the mortgage at its maturity.

Only mortgages on dwellings designed for from one to four families will be eligible for insurance. It is provided in the Act that no mortgage will be accepted for insurance unless the administrator finds that the project, with respect to which the mortgage is executed, is economically sound. Consequently, the dwellings on which mortgages are insured must be well located in urban communities.

It is understood that financial institutions governed by state laws will not be able to make the maximum loan of 80% appraisal, until the state legislature meets and passes the necessary permissive legislation. However, national banks may make the maximum loan at once, under authority provided in the amendments to the national laws passed with the National Housing Act.

Eligibility Rules

A financial institution to become eligible under this title, must: (1) Be a chartered financial institution whose activity in the residential mortgage field is principally that of loaning funds under its own control; (2) Have succession for not less than 20 years beyond the date of the application for insurance of the mortgage; (3) Be subject to supervision by the governmental agencies from which its charter powers are derived; (4) Have an unimpaired capital of not less than $100,000,

PROVISIONS FOR HOME FINANCING

Briefly stated, the following are the provisions made by the Federal Government under the terms of the National Housing Act for financing home construction:

WHERE TO APPLY:
Any national bank, building and loan association or insurance company that has been qualified by the Federal Housing Administration to make insured loans.

TERMS:
Five percent per annum and service charge of one-half of one per cent, plus mortgage insurance premium of one-half of one per cent.

TIME:
Not to exceed twenty years.

AMOUNT:
Eighty percent of the appraised value of the house to be built and the building site, not to exceed $16,000.

LIMITATIONS:
Monthly payments not to exceed normal rental income justifies.

FEDERAL HOUSING ADMINISTRATION SCHEDULE OF HOME FINANCING RATES

Mortgage Indebtedness Arising from	Interest Rate Exclusive of Prem. Charge	Service Charge	Mortgage Insurance Premium
Financing (without change in lender) of Bona Fide Sale or Resale of Property Existing on June 27, 1934.	Not to exceed 5% Per Annum	None	½ of 1% Per Annum
Loan to Borrower for Financing Acquisition by him of Property Constructed after June 27, 1934.	Not to exceed 5% Per Annum	½ of 1% per Annum	½ of 1% Per Annum
Refunding of Present Indebtedness (without change of borrower or lender) on Property Existing June 27, '34.	Not to exceed 5½% Per Annum	None	1% Per Annum
Refunding of Present Indebtedness (with change of lender) on Property Existing on June 27, 1934.	Not to exceed 5½% Per Annum	½ of 1% per Annum	1% Per Annum

The above table shows the interest rates service charges, etc., for new home financing and mortgage renewal under Title II of the National Housing Act.

(5) Have its principal office in a city or town of not less than 6,000 population according to 1930 United States Census; and, in all other respects be responsible and able to service and mortgage properly.

Only original mortgagees, other approved mortgagees, national mortgage associations and such investors in mortgages as may be hereafter provided for by regulations and approval, may hold title to mortgage insurance under this act. In other words, a private individual cannot be the mortgagee on an insured mortgage.

Must Have Income

To qualify under an insured mortgage, the borrower must have a regular income reasonably assured of continuance, sufficient to meet all periodic payments as they fall due, out of his normal net income. Generally, the payments for interest, insurance premium and amortization combined, should not amount to a sum substantially larger than the borrower could afford to pay for rent if he did not own the property. It must be remembered that he will have to bear the cost of maintenance and insurance and taxes on his property—items which as a renter he would not be required to pay.

The service charge shown as collectible by the financial institution is based on diminishing balances. The premium for insurance payable to the Federal Housing Administration constitutes not alone insurance premium but also contingent amortization. Mortgages will be classified into groups by the Washington office of the Federal Housing Administration. The premium on any particular mortgage will be credited to the group insurance fund and, depending on the fatalities in that group, will return a credit, which will be applied on the unpaid balance of the mortgage.

For example: If there were no losses at all, insured mortgages carrying amortization calculated to retire the principal in 20 years, would build up at the end of about 17 years, an insurance reserve sufficient to retire at that time the remaining unpaid principal of the mortgages. In that event, the insurance would be terminated and the reserve used to take up the mortgages for the benefit of the mortgagors.

It is understood that it will be necessary for mortgage blanks to be executed on standard forms supplied by the Washington office.

Expect Forms Soon

There may be some delay in receiving these forms, but they are expected within ten days.

In the meantime financial institutions will be filing applications for eligibility, but of course, cannot make any loans under this insured plan, until their contract with the government has been completed.

It was a first thought that it would probably be January 1, 1935 before money could actually be loaned on an insured mortgage. However, it should be possible for the preliminary arrangements to be made and necessary forms obtained from Washington, in time to actually make loans for insurance, possibly as soon as Dec. 1. In the meantime, prospective builders may be making their preliminary negotiations with financial institutions, architects and contractors.

DENVER GETS PWA WATERWORKS GRANT

Public Works Administrator Harold L. Ickes has signed a contract with the Board of Water Commissioners, acting for the City and County of Denver, Colo., covering a PWA loan and grant of $3,500,000 for enlargement of the Moffat Tunnel pioneer bore and other conetruction which will result in an increased water supply for Denver.

The contract provides that the loan portion of the allotment, estimated to be $2,700,000, is to be repaid in installments under a lease arrangement. The first payment will be in 1937 and the last in 1959. Installments will increase progressively from $67,000 to 1937 to $152,000 in 1958, with a final payment of $452,000 in 1959.

STATE AGENCY FOR BUILDERS CODE FORMED

H. M. Walker Elected Chairman of Administrative Group in California

Organization of the State Administrative Agency for the General Building Contractors Code (Chapter II-a) was effected at a meeting in San Francisco yesterday. Subcommittees were selected and other preparations were made to make the code operative as soon as it is signed by the President.

H. M. Walker of the P. J. Walker Co., was elected chairman of the committee of nine, constituting the administrative agency. Geo. Maurer of Oakland was elected vice-chairman. Wm. E. Hague, secretary-manager of Central California Chapter, A.G.C., was appointed secretary.

Members of the agency are H. M. Walker, George Maurer, Ralph Homann, Paul deHuff, David Moir, Harry W. Shields, Harold Smith, J. Harold Johnson and B. O. Larsen.

Sub-committees were appointed to establish a bid depository system for general contractors and to promulgate rules and regulations for code administration.

Selection of district administrative committees to cover the entire state will be announced shortly. Another session of the administrative agency will be held in the near future.

The building contractors divisional code has been approved by the National Recovery Administration and now is awaiting the President's signature. No indication has been received from Washington as to the probable date of its acceptance.

T. W. Harron Elected President of S. F. Equipment Dealers

H F. Knox and John Jorgenson were elected to the board of directors of the Western Construction Equipment Dealers' and Distributors' Association at the monthly meeting last Tuesday. The new members fill vacancies caused by expiration of the terms of C. A. Garfield, president, and W. W. Mutter, vice-president.

Officers were elected for terms of one year as follows: T. W. Harron, president; H. A. Olds, John Jorgenson, H. F. Knox, vice-presidents; E. S. Jenison, treasurer; L. C. Petrie, secretary.

Announcement was made that A. C. Blaisdell, secretary of the code authority for the construction machinery dealers trade, will be in San Francisco to speak at the meeting December 13. At the same meeting motion pictures of the Golden Gate Bridge construction will be shown.

California Grade Crossing Projects Sought For $1,400,000,000 PWA Construction Plan

An appropriation of $1,400,000,000 from Public Works Administration funds will be urged at the session of Congress this winter for the elimination of grade crossings, according to V. G. Iden, secretary of the American Institute of Steel Construction.

Surveys of grade crossing projects that might be placed under construction immediately in California are being made by the State Division of Highways and the U. S. Bureau of Public Roads.

"The elimination of all grade crossings on existing highways," Mr. Iden pointed out, "would almost eliminate the cause of traffic accidents. This program should therefore be considered from the humane viewpoint as well as the economic.

"Secretary Ickes says that work on eliminating grade crossings could be started tomorrow and thereby afford employment to thousands during this winter just when work is so desperately needed. Such expenditures would therefore be timely and reduce the need for a dole. A continuation of the public works program will undoubtedly be recommended to Congress this winter. All practical business men are weighing the various suggestions advanced. The members of this industry have also given this matter serious thought during the past few years and they have expressed themselves as favoring the recommendation of Secretary Ickes.

"There are some 240,000 highway crossings with rail lines at grade and not over 30,000 of these are protected by watchmen, gates, or similar means. There are many more dangerous grade crossings between vehicular highways that also might advantageously be eliminated. The removal of these dangers to traffic would not only reduce the loss of life by accident, but also expedite the movement of traffic, both motor and rail.

"To remove all the grade crossings of highways with railways would entail about $2,400,000,000. Such an investment in the highways of the country would repay the public many times in savings in life and property. In the present national emergency we believe that you might well set aside $1,400,000,000 from the public works appropriations for these specific projects. Such a sum would provide 9,000,000 man-month's work, which is another way of saying that it would provide a year's employment for 750,000 workers directly and many more thousands indirectly.

"As public works expenditures go, this would represent a very large ratio of actual employment to expenditures. Furthermore, grade crossing removals constitute a type of public works project that can be undertaken with a minimum amount of delay and red tape. They can, as a matter of fact, be started almost on a momen't notice.

"Although the railroads have removed thousands of grade crossings in recent years, the total number today is probably higher than at any time in our history. This, of course, is because of the great number of new roads and highways that have been built during the last ten years or so. From an economic standpoint these new highways represent subsidized competition with the railroads, and the carriers are not asking a great deal, therefore, when they ask that the government at least remove the impediments that they represent to smooth and safe operation. From the standpoint of public safety the elimination of the 25,000 grade crossings in the thickly populated industrial regions would be a move of very great importance.

"The records show that there are approximately 2,000 fatalities yearly by reason of accidents at grade crossings. There are three times as many more injured. This represents a tremendous annual toll. If each life is worth $25,000 to the State, and represents an insurance settlement of $10,000 and every injured only $5,000 in insurance adjustment, the vital loss will exceed $75,000,000 yearly. These figures do not take into account the tremendous loss in time, represented by delays to traffic at grade crossings, and the increased cost of operating cars over highways which are subject to delays and disquieting regulations.

"The farmer and the merchant desire to put their products in the hands of the consumer at the least cost. There is, therefore, a real need for improving the highways particularly at the more congested points. We feel that the Government could engage in no more humanistic or more economic venture than the immediate removal of all grade crossings."

REVOKE LICENSE OF MODESTO CONTRACTOR

Revocation of the state contractor's license of H. J. Sorensen, Modesto, has been ordered and an appeal for rehearing denied by Registrar of Contractors Carlos G Huntington. Sorensen was found guilty of failure to complete a construction project for the price specified in the contract.

October shipments of electric industrial trucks and tractors, as reported to the Bureau of the Census by ten leading manufacturers, totaled 45, as compared with 39 in September, 57 in October, 1933 and 31 in October, 1932.

MacDONALD-KAHN LOWEST BIDDER ON CITY SEWERS

Submit $51,189 Proposal on Merced Lands Project; Eighteen Bids Received

MacDonald and Kahn Company, Ltd., at $51,189, yesterday submitted low bid to the San Francisco Department of Public Works for construction of the Merced Lands sewer, located near Lake Merced off Sloat Boulevard.

Second and third low bids, respectively, were submitted by Eaton and Smith, at $52,127, and M. J. Lynch, at $52,576.

The work involves laying approximately 2898 feet of 5-foot circular reinforced concrete sewer, removing 1715 feet of existing cast iron pipe, laying 2898 feet of eight-inch vitrified clay pipe underdrain covered with concrete or embedded in broken rock, and construction of eleven brick or concrete monholes.

An alternate proposal provides for laying 2559 feet of 5-foot centrifugal concrete pipe sewer and 339 feet of 5-foot circular reinforced concrete sewer, monolithic section.

Eighteen firms submitted bids on the project.

The work is being financed thru a Public Works Administration loan and grant. Plans and specifications for the project were prepared by City Engineer John J. Casey.

City Re-Advertises University Mound Pipe Line Contract

The San Francisco Public Utilities Commission has readvertised the contract for laying the University Mound Pipe Line Completion from Brannan St. to Broadway. Bids will be opened Dec. 5.

The work includes installation of approximately 6,800 feet of 36-inch pipe and 6,900 feet of 30-inch pipe. Section "A' of the bid sheet includes removal and reconditioning of approximately 5,640 feet of 36-inch pipe from the Newark-San Lorenzo pipe line, the lining and coating of approximately 1,160 feet of new 36-inch pipe to be furnished by the city, and the transportation and installation of pipe in the required locations. The furnishing and installing of the 30-inch pipe is covered under Section "B" of the bid sheet.

The work is financed in part by PWA funds and will be subject to PWA regulations.

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending November 22:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Brawley City Council	Water System Extensions	Marko Matcih, L. A.	$ 95,672.00	October 27
Brawley City Council	Steel Tank and Tower	Chicago Bridge & Iron Works, Los Angeles	$ 23,790.00	October 27
Big Wood Canal Co. Board of Directors	Reconstruction of Outlet W'ks, Etc., Magic Dam, Shoshone, Idaho	Morrison-Knudsen Co. Boise, Idaho	$102,494.00	October 29
Klamath Armory Bldg. Comm. Klamath Falls, Oregon	Klamath Armory	E. P. , Brosterhouse Bend, Oregon	$ 82,271.00	October 29
Stockton Port Commission	Railroad Extension	Biasotti - Willard and Biasotti, Stockton	$ 18,140.00	October 30
Los Angeles Board of Public Works	Thompson St. Sewage Pumping Plant	Fred F. Greenfield Co. Los Angeles	$ 10,134.00	October 30
San Francisco Department of Public Works	Pump and Equipment. Commercial St. Pumping Station	Anderson & Rowe, San Francisco	$ 9,880.00	October 31
Santa Clara Valley Water Conservation District	Vasona Dam and Canal	Carl N. Swenson, San Jose	$100,943.10	October 31
San Francisco Department of Public Works	Pump and Equipment	Anderson and Rowe, San Francisco	$ 9,880.00	November 1
Santa Clara Valley Water Conservation District	Vasona Dam and Canal	Carl N. Swenson Co., San Jose	$100,943.10	November 1
Alameda City Council	Webster Street Widening	Independent Const. Co., Oakland	$ 23,679.00	November 5
Alameda City Council	Maitland Drive Improvement	Heafey - Moore Co., Oakland	$ 13,395.00	November 5
Roseville Elementary School District	School Building	Campbell Const. Co., Sacramento	$ 48,627.00	November 5
Burlingame City Council	Street Improvement	Union Paving Co., San Francisco	$ 14,387.00	November 7
Los Angeles Board of Public Works	Terminal Island Outfall Sewer (Items 2a and 3)	Fred W. Weber, South Gate	$ 19,600.00	November 7
Los Angeles County Board of Supervisors	San Gabriel River Outlet, Unit No. 7	Shannahan Bros., Los Angeles	$ 57,262.00	November 9
Fresno City Council	Storm Sewer System	Stewart & Nuss, John Jurkovich, Fresno	$ 29,169.00	November 9
Modesto Irrigation District	Canal Lining, Etc.	J. N. Kristich, Knightsen	$ 31,262.00	November 10
Modesto Irrigation District	Canal Lining, Etc.	California Gunite Co., Hollywood	$ 36,524.40	November 10
Metropolitan Water Dist., Los Angeles	Colorado River Aqued. Sch. 18, 18A, 19 19A, and 20	J. F. Shea Co., Inc., Mecca	$2,557,781.20	November 10
Williams Union Elementary School District	Auditorium Reconstruction	George Kopp, Sacramento	$ 14,521.00	November 13
Soquel Union Grammar School District	School Addition	P. T. Wallstrum, Watsonville	$ 11,150.00	November 4
Los Angeles County Board of Supervisors	Rock Dam Facing, San Gabriel Dam No. 2	Macco Const. Co., Clearwater	$124,175.00	November 14
Turlock Irrigation District	Canal Lining	Ed. Erickson, Modesto	$ 10,816.91	November 15
Cypress Lawn Cemetery Assn., San Francisco	Alterations and Additions to Office Bldg., Etc., Colma	Dinwiddie Const. Co., San Francisco	$ 19,441.00	November 16
San Jose City Council	Street Improvement	A. J. Raisch Paving Co., San Jose	$ 6,833.00	November 20
Amalgamated Sugar Co., Ogden, Utah	Foundations for Sugar Refinery, Clarksburg, Calif.	Lord & Bishop, Oroville	$	November 20
Santa Fe Lbr. Co., San Francisco	Lumber Terminal, Stockton	John Hachman, Stockton	$ 30,000.00	November 21
Standard Oil Co., San Francisco	Wharf Extension, Richmond	Lindgren and Swinerton San Francisco	$	November 21

STATE HIGHWAY AWARDS

Following are principal State Highway construction contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idado in the four week period ending November 22:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
California Highway Commission	2.5 Miles Grading, Plumas Co.	Peninsula Paving Co., San Francisco	$152,625.80	October 26
California Highway Commission	0.5 Mi. Grading and Paving, Los Angeles County	Sully-Miller Contracting Co. Los Angeles	$ 54,293.50	October 26
Washington Highway Comm.	1.7 Mile Pavement Widening Chelan County	Chas. A. Power, Spokane	$ 54,678.00	October 26
Washington Highway Comm.	0.6 Mile Pavement Widening, Yakima County	Midstate Contracting Co., Yakima	$ 27,489.00	October 26
Utah Highway Commission	0 613 Mile Surfacing, Box Elder County	Ora Bundy, Ogden	$ 33,165.50	October 27
Idaho Highway Commission	1.768 Miles Roadbed Construction, Butte County	Triangle Const. Co., Boise	$ 15,483.60	October 29
Idaho Highway Commission	6.5 Miles Grading, Surfacing, Etc., Jefferson County	Olof Nelson, Logan	$ 48,358.00	October 29
California Highway Commission	3.4 Miles Grading and Paving Orange County	Sharp & Fellows Contracting Co., L. A.	$165,487.00	November 2
California Highway Commission	0.6 Mile Grading and Paving, Los Angeles County	Griffith Co., Los Angeles	$ 38,522.00	November 2
California Highway Commission	1.4 Miles Surface Treatment, Monterey County	L. A. Brisco, Arroyo Grande	$ 6,795.00	November 2
Idaho Highway Commission	8.4 Miles Grade and Surface, Cassia County	W. C. Burns, Idaho Falls	$ 50,332.20	November 3

Arizona Highway Commission	Grading, Draining, Etc., Arizona State	Lee Moor Contr. Co., El Paso, Texas	$ 36,766.03	November 5
Arizona Highway Commission	Bridge Widening, Etc., Solomonsville	Wm. Peper Const. Co. Phoenix	$ 7,982.50	November 5
Oregon Highway Commission	Street Improvement, Benson	Borderland Const. Co. Tucson	$ 18,544.30	November 5
Oregon Highway Commission	5.9 Miles Grading and Bridges, Wallowa County	Colonial Const. Co., Spokane	$ 62,510.00	November 5
Oregon Highway Commission	3.1 Miles Grading and 6.2 Miles Surfacing, Morrow County	Fisher Bros., Oregon City	$ 32,866.00	November 5
Oregon Highway Commission	0.97 Mile Grading, Jackson Co.	Edward F. Webber, Medford	$ 9,544.50	November 5
Oregon Highway Commission	0.4 Mile Grading, Jackson Co.	Berke Bros., Portland	$ 93,990.00	November 5
Oregon Highway Commission	Crushed Gravel, Douglas Co.	A. S. Wallace, Roseburg	$ 9,000.00	November 5
Oregon Highway Commission	5.86 M.i Grading, Malheur Co.	O. N. Pierce, M. L. O'Neil & Son, Portland	$ 35,342.00	November 5
Oregon Highway Commission	6.62 Miles Grading, Deschutes County	Berke Bros., Portland	$ 59,282.00	November 5
Oregon Highway Commission	2.31 Miles Grading, Benton Co.	D. L. Ashton, Lebanon	$ 23,243.00	November 5
Oregon Highway Commission	Bridge and Approaches, Baker County	Averill and Philpott, Portland	$ 11,186.00	November 5
Arizona Highway Commission	9.8 Miles Grading and Draining Coconino County	N. G. Hill and Co., Phoenix	$ 79,269.86	November 5
Arizona Highway Commission	9 Miles Grading and Draining, Mohave County	R. C. Tanner & W. E Hall Co., Phoenix	$ 54,354.58	November 5
California Highway Commission	Bridge Repairs, Sacramento Co	C. A. Lauritzen, Antioch	$ 11,769.00	November 7
California Highway Commission	3.8 Miles Grade and Pave, Santa Barbara County	Hanrahan-Wilcox Cp., San Francisco	$375,983.25	November 7
California Highway Commission	Undergrade Crossing, Etc. Kern County	Rocca & Co., San Rafael	$ 68,617.50	November 8
California Highway Commission	4.4 Miles Grade and Pave, Los Angeles County	Oswald Bros., Los Angeles	$ 85,504.90	November 8
California Highway Commission	1 Mile Grade and Pave, Fresno County	Union Paving Co., San Francisco	$ 57,634.40	November 9
Washington Highway Commission	4 Miles Paving and Retopping, King County	Northwest Const. Co., Seattle	$184,320.00	November 9
Nevada Highway Commission	17 Miles Surfacing, Nye Co.	Silver State Const. Co. Fallon	$ 29,165.29	November 9
Nevada Highway Commission	23.19 Miles Highway Construction, Esmeralda County	Dodge Const., Inc., Fallon	$129,046.24	November 9
Nevada Highway Commission	4.73 Miles Highway Construction, Douglas County	Fredrickson & Watsson Const. Co. Fredrickson Bros., Oakland	$ 84,155.17	November 9
Utah Highway Commission	3.88 Miles Gravel Surfacing, Wayne and Piute Counties	J. W. Whiting, Springville	$ 8,801.00	November 12
Utah Highway Commission	0.78 Mi. Gravel Surfacing, Kane County	T. G. Rowland, Salt Lake City	$ 19,371.40	November 12
California Highway Commission	1.9 Miles Grade and Surface, San Diego County	V. R. Dennis Const. Co., San Diego	$ 43,862.00	November 13
Nevada Highway Commission	8.54 Miles Highway Construction, Lyon County	Jones and King, Hayward, Calif.	$ 63,499.23	November 14
Nevada Highway Commission	11.74 Miles Highway Construction, Humboldt County	Utah Const. Co., Ogden	$ 68,288.58	November 14
Nevada Highway Commission	8.03 Miles Highway Construction, Churchill County	Isbell Const. Co., Carson City	$ 82,586.80	November 14
Idaho Highway Commission	6.88 Miles Roadbed, Etc., Twin Falls County	Robinson Const. Co., Twin Falls	$ 64,143.60	November 15
Idaho Highway Commission	Bridge, Washington County	C. F. Dinsmore & Co., Inc., Boise	$ 42,160.00	November 15
Arizona Highway Commission	Street Improvement, Jerome	Pearson & Dickerson Cont'rs, Prescott	$ 19,484.92	November 19
Arizona Highway Commission	Street Improvement, Winslow	Southern Calif. Roads Co., Los Angeles	$ 15,092.40	November 19
Idaho Highway Commission	11.42 Miles Surfacing, Etc., Nez Perce County	F. H. DeAtley & Co., Lewiston	$ 21,205.00	November 19
Oregon Highway Commission	3.9 Miles Grade and Surface, 7.8 Miles Oil Mat Surf. Treatment, Polk County	Theo. Arenz, Portland	$ 81,994.00	November 20
Oregon Highway Commission	2.12 Miles Grading, 3 Miles Oil Mat Surf. Treatment, Polk Co.	Theo. Arenz, Portland	$ 29,983.50	November 20
Bureau of Public Roads, San Francisco	Grading, Modoc County	R. R. Carlson, Vallejo	$ 68,113.70	November 15
Bureau of Public Roads, Phoenix, Arizona	7.563 Miles Grading and Subgrade Reinf., Coconino Co.	Tiffany Const. Co. San Jose, Calif.	$ 76,892.00	November 15
Bureau of Public Roads, Portland	1.58 Miles Grading, 9.36 Miles Widening, Klamath County	Dunn & Baker, Klamath Falls	$112,950.30	November 16
Bureau of Yards and Docks, Washington, D. C.	Seaplane Hangar, Pearl Harbor, T. H.	Pioneer Const. Co., Seattle, Wash.	$151,300.00	November 17
California Highway Commission	0.3 Mile Grade and Pave, Los Angeles County	Griffith Co., Los Angeles	$ 7,350.00	November 21
California Highway Commission	2.7 Miles Grade and Surface, San Mateo County	Mittry Brothers Const Co., Los Angeles	$149,865.00	November 21
Idaho Highway Commission	10.72 Miles Highway Construction, Owyhee County	Morrison-Kundsen Co. Boise	$ 88,227.50	November 22
Washington Highway Comm.	.5 Mile Paving and Retopping Lewis County	Washington Asph. Co. Seattle	$ 16,036.00	November 22
Washington Highway Comm.	1.9 Miles Grading, Etc., Kitsap County	Halleran Bros., Seattle	$ 22,007.00	November 22
Washington Highway Comm.	1.3 Miles Base and Pavement, Pierce County	Northwest Roads Co., Portland	$ 39,772.00	November 22
Washington Highway Comm.	3 Miles Grading, Etc., and Two Trestles, Pend Oreille Co.	N. A. Degerstrom, Spokane	$ 83,690.00	November 22
Washington Highway Comm.	.5 Mile Paving and Retopping, Whatcom County	Standard Asphalt Paving Co., Spokane	$ 14,357.00	November 22

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

o.	Owner	Contractor	Amt.
87	Forbes	Coburn	5000
88	Spiro	Isaac	6000
89	Timberlake	Gladstone	1900
90	Peninou	Berg	1000
91	James	Bowman	1890
92	Moss	Owner	1000
93	Leeds	Owner	1000
94	Spagnoli	.....	3000
95	Standard	Owner	3000
96	Standard	Standard	3000
97	Risdon	Risdon	4000
98	Standard	Owner	3000
99	Milwaukee	Cahill	1350
00	Shoong	Owner	3750

EPAIRS
587) NO. 131 CLAY ST. Repairs to lofts.
wner—Mr. Forbes, % Contractor.
rchitect—Not Given.
ontractor—Ira W. Coburn, 2048 Market St., San Francisco. $5000

WELLING
588) N SCENIC WAY 327 W 25th Ave.; 2-story and basement frame dwelling.
wner—Ada J. Spiro, % contractor.
rchitect—S. A. Colton, 544 Market.
ontractor—H. H. Isaac, 517 Belvedere Street. $6000

ALTERATIONS
(589) 2574 UNION ST.; alter dwelling.
Owner—F. S. Timberlake, 2574 Union.
Architect—Francis Lloyd, 360 Pine St.
Contractor—D. B. Gladstone, 552 Market Street. $1900

ALTERATIONS
(590) 425-439 WALNUT; alter dwelling.
Owner—A. Peninou, 3415 Sacramento.
Architect—W. H. Armitage.
Contractor—Berg & Sletwoll, 24 Stillings. $1000

ALTERATIONS
(591) 362 15th AVENUE; alter dwelling.
Owner—G. R. James, 362 15th Ave.
Architect—Not Given.
Contractor—M. M. Bowman, 118 Church Street. $1890

ALTERATIONS
(592) 1316 21st AVE.; alter dwelling.
Owner—Mrs. D. Moss, 1316 21st Ave.
Architect—Not Given.
Supervision of construction by Harry Scott, 4520 Cabrillo St. $1000

ALTERATIONS
(593) 877 MARKET ST.; alter store.
Owner—Leed's Shoe Co., 877 Market.
Architect—Not Given. $1000

SHOP BLDG.
(594) W SAN BRUNO 209 S. Cortland; one-story classic shop bldg.
Owner—P. Spagnoli, 2043 San Bruno.
Architect—H. C. Baumann, 251 Kearny Street. $3000

DWELLING
(595) N ULLOA ST. 107 W Thirty-third Ave. One-story and basement frame dwelling.
Owner—Standard Bldg. Corp., 218 Castenada St., San Francisco.
Architect—Not Given. $3000

DWELLING
(596) N ULLOA 157 W Thirty-third Ave. One-story and basement frame dwelling.
Owner — Standard Bldg. Corp., 218 Castenada St., San Francisco.
Architect—Not Given. $3000

DWELLING
(597) E WEBSTER ST. 52 N Beach. One-story and basement frame dwelling.
Owner — Lillie Risdon, 1342 Portola Drive, San Francisco.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola Drive, San Francisco. $4000

DWELLING
(598) N ULLOA 132 W 33rd Avenue. One-story and basement frame dwelling.
Owner — Standard Bldg. Corp., 218 Castenada St., San Francisco.
Architect—Not Given. $3000

LOCKER ROOM
(599) W TENTH ST. 186 N Bryant. Two-story Class B locker oom.
Owner—Milwaukee Brewery Co. of San Francisco, 490 10th St.
Engineer — Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco. $1350

ALTERATIONS
(600) NO. 825 SACRAMENTO ST. Alterations to apartments.
Owner — Shoong Investment Co., % Architect.
Architect—Bernard J. Joseph, 74 New Montgomery St. $3750

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
455	Bleuel	Owner	1700
456	Church	.....	40000
457	Shaefer	Benassini	1000
453	General	Owner	1000
454	Berkeley	Leiter	9604
458	Ayers	Owner	6000
459	Sorensen	Owner	1000
460	Scammell	Owner	4000

PLATFORM
(453) NO. 5601 E-FOURTEENTH ST. **OAKLAND.** Concrete platform.
Owner—General Motors Co., 5601 E-14th St., Oakland.
Architect—Not Given. $1000

ALTERATIONS
(454) NO. 1531 LE ROY ST., **BERKELEY.** Alter school.
Owner—Berkeley Board of Education
Architect—Not Given.
Contractor—E. T. Leiter & Sons, 811 37th St., Oakland. $9604

ALTERATIONS
(455) 322 ATHOL AVE., **OAKLAND;** alter apartments.
Owner and Contractor—M. J. Bleuel, 1127 Sunnyhills Road, Oakland.
Architect—Not Given. $1700

CHURCH
(456) 1501 WALNUT, **BERKELEY;** one-story church.
Owner—Church of Latter Day Saints.
Plans by Contractor.
Contractor—Theo. G. Ruegg, 1515 Tyler St., Berkeley. $40,000

ALTERATIONS
(457) NO. 5114-16 GROVE STREET, **OAKLAND.** Alterations.
Owner—M. A. Shaefer, 5116 Grove St., Oakland.
Architect—Not Given.
Contractor — Joe Benassini, 620 51st St., Oakland. $1000

DWELLING
(458) S MELVIN ROAD 418 E Baywood Drive, **OAKLAND.** Two-story six-room dwelling.
Owner—Louis Ayers, 928 E-12th St., Oakland.
Architect—Not Given. $6000

SHED
(459) NO. 1201 FORTY-FIFTH AVE., **OAKLAND.** One-story concrete wrecking shed.
Owner — H. A. Sorensen, 1201 45th Ave., Oakland.
Architect—Not Given. $1000

DWELLING
(460) NO. 3750 ELSTON AVENUE, **OAKLAND.** One-story five-room dwelling.
Owner — J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given. $4000

BUILDING CONTRACTS
SAN FRANCISCO COUNTY

106 Timberlake	Gladstone	1952
105Peninou	Berg	1076
106 Watts	Moore	4755

ALTERATIONS
(106) 2574 UNION ST.; alterations to dwelling.
Owner—Frank S. and Camille G. Timberlake, 2574 Union Street.
Architect—Francis E. Lloyd, 360 Pine Street.
Contractor—D. B. Gladstone, 557 Market Street.
Filed, No. 16, '34. Dated, Nov. 15, '34.
1st and 15th of each month..... 75%
Usual 35 days..... .....25%
TOTAL COST, $1952
Limit, commence Nov. 16, 1934, completed Jan. 1, 1935. Plans and specifications filed.

ALTERATIONS
(105) NO. 425-429 VERMONT ST. All work for alterations to dwelling
Owner—A. Peninou, 3415 Sacramento St., San Francisco.
Architect — W. H. Armitage, 2218 Webster St., San Francisco.
Contractor—Berg & Slitwoll, 24 Stillings St., San Francisco.
Upon completion 400
Usual 35 days..... 270
TOTAL COST, $1075
Bond, $500. Surety, Massachusetts Filed Nov. 19, '34. Dated Nov. 14, '34.
Front ready for plaster.....$105
Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

DWELLING
(106)N BELGRAVE AVE. 265 E Stanyan St. Blk 6, Clarendon Heights. All work for one-story frame dwelling.
Owner—Robert S. and Alice M. Watts
Architect—William I. Garren. 233 Post St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Filed Nov. 21, '34. Dated Nov. 16, '34.
TOTAL COST, $4755
Bond, $4755. Sprety, Standard Accident Insurance Co., Detroit, Michigan. Limit, forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY UNDER $1000

SIGN, electric, $90; 6205 E-14th St., Oakland; owner, A. Montinho, Premises; contractor, Imp Elec. Sign Co., 2228 Myrtle St.
BILLBOARD, $25; NE 7th and Fallon

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

To Be Done By Day's Work.
ALTERATIONS Cost, $1800
OAKLAND, Alameda Co., Cal. No. 322 Athol Avenue.
Alterations to apartments.
Owner—M. J. Bleuel, 1127 Sunnyhills Road, Oakland.
Architect—Not Given.

Structural Steel Bids Being Taken.
STEEL WORK Cost, $——
MODESTO, Stanislaus Co., Cal. J St.
Steel work for apartment.
Owner—Glice Apartments.
Architect—G. N. Hilburn, 1312 I St., Modesto.
Approximately 15 tons is involved.

Plans Being Figured—Bids Close Nov. 27th.
APARTMENTS Cost, $——
OAKLAND, Alameda Co., Cal. Lake Merritt District.
Two-story frame and stucco apartments (four 4-room apts.) terra cotta tile roof, gas furnace, hardwood floors, tile baths, etc.
Owner—Withheld.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.

2— BONDS

BONDS SOLD
GRIDLEY, Butte Co., Cal.—Gridley School District sold bonds in amount of $35,000 to the Wm. Cavalier Company of San Francisco.

BONDS SOLD
NEWPORT BEACH, Orange Co., Cal.—The $640,000 block of Orange county harbor bonds has been sold by the Orange county supervisors to R. H. Moulton & Co., San Francisco, at par, a premium of $7000 and accrued interest at 4%.

3— CHURCHES

Plans Being Prepared.
CHURCH Cost, $19,500
WOODLAND, Yolo Co., Cal. Main and Cleveland Streets.
One-story brick church building (Sunday School) to replace one recently destroyed by fire.
Owner—St. John Evangelical Church (Rev. Carl Saenger, Pastor).
Architect — W. E. Coffman, Forum Bldg., Sacramento.
Following are members of the building committee: Joseph Hermle, Fred Goette, Geo. Weiss, Mrs. C. S. Mast, Mrs. Nathaniel Germeshausen, Miss Elsa Sieber and Mrs. Carl Saenger.

Preparing Working Drawings
CHURCH Cost, $10,000
EAST OAKLAND, Alameda Co., Calif.
One-story wood frame church bldg. (rustic exterior) seating capacity of 300; asbestos shingle roof.
Owner—Withheld.
Architect—Geo. P. Simonds, 192 Main St., Hayward.
Bids will be asked about Dec. 15.

November 19, 1934

PLANS BEING FIGURED
VAN NUYS, Los Angeles Co., Cal.—First Baptist Church of Van Nuys; Thos. Briggs, Chairman of Building Committee, 14,744 Archwood St., Van Nuys, is taking general contract and segregated bids for two-story frame and stucco auditorium (100x100 feet), and classroom addition to church at 6500 Sylmar Ave., Van Nuys. Cost, $30,000. Henry B. Watson, 4061½ Melrose Ave., Los Angeles, Architect.

Planned.
ALTER CHURCH Cost, $10,000
FRESNO, Fresno Co., Cal. Home and Moroa Avenuea.
Alterations to church (enlarge recreational hall in basement, increase seating capacity 100 seats, etc.)
Owner — Latter Day Saints Church, (Elder Orson T. Foulger, Pres.)
Architect—Not Given.

4— FACTORIES & WAREHOUSES

Sub-Bids Being Taken.
ALTERATIONS Cost, $8000
SAN FRANCISCO, 657 Mission St.
Alterations and additions to warehouse and offices (install developing plant on second floor).
Owner—Owl Drug Co., 657 Mission St.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, Monadnock Bldg.

Plans Being Figured
SHOP Cost, $5,000
SAN FRANCISCO, W Bayshore Blvd. S. Courtland Avenue.
One-story and mezzanine floor concrete shop building (25x109 feet) composition and part tile roof, plate glass front, store front tile.
Owner—P. Spagnoli.
Architect—H. C. Baumann, 251 Kearny Street.
Bids will be opened in about one week.

Contract Awarded
REPAIR LOFTS Cost, $5000
SAN FRANCISCO, 131 Clay Street.
Repairs to loft building.
Owner—Mr. Forbes, care 2048 Market Street.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street.

PLANNED
LOS ANGELES, Cal.—Los Angeles Harbor Commission has authorized the construction of a steel frame addition to transit shed (160 ft. long) at Berth 177, Los Angeles Harbor, used by the McCormick Steamship Co. Harbor Engineer's office prepared plans and bids will be asked within three weeks. $53,000—appropriated.

PLANNED
LOS ANGELES, Cal.—Los Angeles Harbor Commission has under consideration a proposal to build a new terminal at Berth 147, Los Angeles Harbor, for the United Fruit Co. Improvements would consist of a wharf, more than 500 feet in length, and fou umbrella sheds, each 400 feet long Estimated cost $150,000.

Plans Being Prepared.
EXTEND HANGAR Cost, $——
OAKLAND, Alameda Co., Cal. Oakland Airport.
Extension to navy hangar at the Airport (20x50 ft.)
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner
Old materials will be used and worl done by day's labor under SERA Some new materials will be purchased.

Contracts Awarded.
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Three-story reinforced concrete brew house (40x40 ft.) 18 steel tanks steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishklan, 525 Market St., San Francisco.
Steel Sash — Detroit Steel Products Co., 111 Sutter St., San Francisco
Structural Steel and Miscellaneous Iron—Fair Mfg. Co., 617 Bryant St., San Francisco.
As previously reported, reinforcing steel contract awarded to W. C. Hauck & Co., 280 San Bruno Avenue, San Francisco.
Other awards will be made shortly.

Project Abandoned.
ALTER MARKET Cost, $——
OAKLAND, Alameda Co., Cal. Fourteenth, Fifteenth and Clay Sts.
Alterations of Taft & Pennoyer building for food market (three-story structure; new front, partitions, cabinet work, etc.); 75,000 sq. ft. of floor space.
Owner—City Hall Market Corp. (T. C. Mauvais, President).
Architect—Not Given.

Planned.
BOTTLING PLANT Cost, $15,000
SACRAMENTO, Sacramento Co., Cal. Eleventh and Q Sts. (100x160 ft.)
Construct bottling works.
Owner—Golden State Soda Warks, 1715 15th St., Sacramento.
Architica—Not Given.
Agent—Wright & Kimbrough Co., 817 J St., Sacramento.

CONSTRUCTION STARTED
MINT CANYON, Cal.—Halafax Explosives Co.; Melville Dozier, Jr., president, 810 Wright & Callender Bldg., Los Angeles, has started work on the construction of a powder manufacturing plant in Mint Canyon. C. C. Crandall, 430 Kenneth Road, Glendale, has the labor contract. Will consist of 12 wood frame buildings with galvanized iron exteriors and concrete and hardwood floors. Cost, including equipment, will total about $100,000.

Foundation Contract Awarded
SUGAR PLANT Cost, $1,500,000
CLARKSBURG, Yolo Co., Calif. One-half mile north of Clarksburg (100 acres).
Construct new sugar refinery (steel, brick or concrete structures; plant will comprise six buildings, railway tracks and spurs, cattle feeding pens and warehouses for shipping).
Owner—Amalgamated Sugar Co. (H. A. Benning, Vice - President) Ogden, Utah.
Engineer—A. J. Forbess, Clarksburg
Foundation—Lord & Bisnop, Box 355, Oroville.

Bids on other portions of the work will be asked by Mr. Forbess at a later date.

Contract Awarded
LOCKER ROOM Cost, $1350
SAN FRANCISCO. W 10th St. 186 N Bryant Street.
Two-story Class B locker room.
Owner—Milwaukee Brewery Co., 490 Tenth Street.
Engineer—Warren E. Murray, 908 Hayes Street.
Contractor—Cahill Bros., 206 Sansome Street.

FUNDS ALLOTTED
STOCKTON, San Joaquin Co., Cal. —PWA has made a grant of $29,000 to Stockton Port District to aid in the development of port and dock facilities, which includes construction of three warehouses. No loan was requested. Estimated cost of project is $103,000.

Contract Awarded.
PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton Wharf.
One - story corrugated iron shipside plant (500 ft. long by 78 ft. wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary), 16 California St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—John Hachman, Box 206, Stockton.

Contract Awarded.
SHED Cost, $1000
OAKLAND, Alameda Co., Cal. No. 1201 Forty-fifth Avenue.
One-story concrete wrecking shed.
Owner—H. A. Sorensen, 1201 45th Ave. Oakland.
Architect—Not Given.

Bids Wanted—To Close Dec. 4, 4 P.M.
SHOP, ETC. Cost, $——
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
Construct machine shop and graveling open storage areas.
Owner—City of Stockton (Port Dist.) Thos. C. Louttit, Asst. Secty. City Hall, Stockton.
Plans by Engineering Dept. of Owner. Plans and specifications may be obtained from above office. Certified check for 10% of amount bid required.

Bids Wanted—To Close Dec. 4, 4 P.M.
GEAR SHEDS Cost, $——
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor (SE corner of Slip No. 1).
Construct two gear sheds.
Owner—City of Stockton (Port Dist.) Thos. C. Louttit, Asst. Secty. City Hall, Stockton.
Plans by Engineering Dept. of Owner. Plans and specifications may be obtained from above office. Certified check for 10% of amount bid required.

6—GARAGES & SERVICE STATIONS

Plans Being Figured—Bids Close Dec. 4, 2 P. M.
GARAGE Cost, $15,000
REDDING, Shasta Co., Cal. California Street.
One-story reinforced concrete garage building (steel trusses, steel sash, concrete floors, tar and gravel roof, etc.)
Owner—Thatcher & Lowden.
Architect—O. A. Delchmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.

Additional Contracts Awarded.
SERVICE STATION Cost, $8000
SAN FRANCISCO. SW Balboa Street and Arguello Blvd.
One - story Class A greasing station and one-story Class A service station.
Owner — Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Plumbing—Scott Co., 243 Minna St.
Wiring—Frank J. Klimm, 456 Ellis St.
As previously reported, concrete contract awarded to Fred J. Early, 369 Pine Street.

7— FEDERAL BUILDINGS

LOW BIDDER
ALBUQUERQUE, New Mexico—E. E. Marchant, Albuquerque, at $3700 submitted low bid to Treasury Department, Washington, D. C., for the construction of a new pent house and entrance steps, etc., at the U. S. Post Office, at Albuquerque, N. M.

Additional Prospective Bidders.
POST OFFICE Cost, $66,000
REDWOOD CITY, San Mateo Co., Cal. United States Post Office.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Following are additional contractors who have procured plans. Bids close December 10, 1 P. M.:
K. E. Parker Co., 135 South Park, San Francisco.
Alfred H. Vogt Co., 250 Eleventh St., San Francisco.

PROSPECTIVE BIDDER
HONOLULU, T. H—Stuart Mannell & Co., Arctic Bldg., Seattle, Wash., has procured plans for the purpose of submitting a bid to Treasury Department, Washington, D. C., for the construction of a wharf, etc., at Honolulu, T. H.

BIDS WANTED
RENO, Nevada—Until December 11, bids will be received by the Treasury Department, Washington, D. C., for balustrades and retaining wall at the U. S. Post Office, Reno, Nevada.

BIDS OPENED
PORTLAND, Ore.—Dougan - Hammond Const. Co., Studio Bldg., Portland, at $10,946 submitted low bid to Custodian, U. S. Customhouse, for cleaning and repairing customhouse at Portland.
Complete bids follow:
Dougan-Hammond Const. Co., Portland $10,946
R. B. Hammond, Portland 12,600
Hoffman Const. Co., Portland 14,985
Bids held under advisement.

CONTRACT AWARDED
PEARL HARBOR, T. H. — Pioneer Const. Co., Textile Tower, Seattle, at $151,300 awarded contract by Bureau of Yards and Docks Navy Department, Washington, D. C., for the construction of a seaplane hangar at the Naval Fleet Air Base, Pearl Harbor. The work includes concrete, hollow concrete unit work, steel and iron work, built-up roofing and sheet metal, pressed steel doors, steel windows, stucco and plastering, marble work, plumbing, refrigerating drinking fountain and electric work. Specification No. 7770.
Complete bids follow:
Pioneer Constr. Co., Seattle Wash. $151,300
George Hess, Los Angeles 168,878
A. W. Quist Co., Seattle 172,507
R. S. Chase, Honolulu 173,750
Ralph E. Woolley, Honolulu 180,000
Walker & Olund, Honolulu 184,000

Bids Wanted—To Close Dec. 12.
POST OFFICE Cost, $——
NEWBERG, Oregon.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the Treasury Department at Washington, D. C., upon deposit of $15.00.

Prospective Bidders.
POST OFFICE Cost, $52,800
HUNTINGTON BEACH, Orange Co. United States Post Office.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Following have procured plans. Bids Close December 5, 1 P. M.:
Mechanical Engr. Service, 1315 H St N. W., Washington, D. C.
The W. F. Jackson Co., Denrike Bldg., Washington, D. C.
Murch Bros. Constr. Co., 4111 Lindell Blvd., St. Louis, Mo.
Theodore A. Beyer Corp., 438 Chamber of Commerce Bldg., Los Angeles.
Daniel J. Patton, Amber and Tioga Sts., Philadelphia, Pa.
L. F. Dow Co., 414 Rowan Building, Los Angeles.
N. A. Anderson, 4307 Van Buren Place, Los Angeles.

Bids Wanted—To Close Dec. 17.
QUARTERS Cost, $——
FRANCE FIELD, Canal Zone.
Construct company officers' quarters.
Owner—United States Government.
Plans by Bureau of Yards and Docks, Navy Dept., Washington, D. C.

BIDS WANTED
PALA ALTO, Santa Clara Co., Cal. —Until Nov. 26, 2:30 P. M., bids will be received by Veterans' Administration, Palo Alto, for construction of a pool and main court at the Veterans Administrations Facility, Fort Miley, San Francisco.
Plans and specifications may be obtained from above office.

BIDS OPENED
REDLANDS, San Bernardino Co., Cal.—Following bids received by the Post Office Department for wood slat shades for 47 window openings and 13 circle heads for the U. S. Post Office at Redlands; Proposal No. 979.
Aeroshade Co., Waukesha, Wis., $345, 1%; Hough Shade Co., Janesville, Wis., $332.60, 1 %; Shredwood Curtain Co., 175 Varick St., New York City, $427.25, 1%; Warren Shade Co., Minneapolis, Minn., $420.50, 1%.

CONTRACT AWARDED
CHEHALIS, Wash.—Patterson Bros. 2059 Webster St., Oakland, at $794 awarded contract by Treasury Department for painting plaster, etc., in the U. S. Post Office at Chehalis, Washington.

Complete Bids.
COMPLETE POST OFFICE $24,000
LONG BEACH, Los Angeles Co., Cal. Finishing fourth, fifth, sixth and seventh floors of the Long Beach Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — Theo. A. Beyer Corp., 3680 Fairway Blvd., Los Angeles.
Complete bids follow:
Theodore A. Beyer Corp., Los Angeles, $32,184.
Robert E. Millsap, Inc., Los Angeles, $32,750.
David J. Reed and Joseph Maiser, Los Angeles, $32,995.
R. L. Daun, Los Angeles, $35,351.
Lindgren & Swinerton, Inc., Los Angeles, $40,000.

Prospective Bidders.
POST OFFICE Cost, $56,300
MONTESANO, Washington.
U. S. Post Office Building.
Owner—United States Government.

Plans by the Supervising Architect, Treasury Dept. Washington, D. C.
Following have procured plans. Bids close December 3.
A. D. Belanger & Co., Central Bldg., Everett, Washington.
Wm. MacDonald Constr. Co., 3829 W. Pine Blvd., St. Louis, Mo.
Reid Constr. Co., P. O. Box 1023, Aberdeen, Wash.
MacDonald Bldg. Co., 1517 S. Tacoma Way, Tacoma, Wash.
Howard S. Wright & Co., Inc., 2210 Second Ave., Seattle.
Harry Boyer & Sons Co., Olympia, Washington.
Standard Constr. Co., Perkins Bldg., Tacoma, Wash.

BIDS OPENED

SAN FRANCISCO.—Following bids received by Post Office Department for furnishing and installing venetian blinds for 16 window openings for the San Francisco Post Office; Proposal No. 950:
D. N. & E. Walter & Co., 562 Mission St., San Francisco, $243.20; Venetian Blind Co., Los Angeles, $253.26 National Venetian Blind Co., Los Angeles, $212.22, 2%; A. J. Ruhlman & Co., 344 Golden Gate Ave., San Francisco, $281.72; Hough Shade Company, Janesville, Wis., $272.58, 1%; Rol-Screen Co., Pella, Iowa, $267.30, 2%; Ry-Lock Co., San Leandro, Cal., $270, 2%; E. C. Dehn & Co., Hearst Bldg., San Francisco, $284.50, 1%; Yardley Screen & Weatherstrip Co., 142 Parsons Ave., Columbus, Ohio, $220.88, 2%; Burlington Venetian Blind Co., Burlington, Vt., $281, 2%; Higgin Mfg. Co., Newport, Ky., $213.48.

Bids Wanted—To Close December 14, 1 P. M.

POST OFFICE Cost, $51,700
CLAREMONT, Los Angeles Co., Cal.
Construct United States Post Office.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D.C.

COMPLETING REVISED PLANS

PHOENIX, Ariz.—Architects Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix, have revised working drawings well advanced for the United States Post Office Building to be erected at Central Ave. and Fillmore St., Phoenix. It will be a two-story structure, 195x163 feet in area; steel frame construction, masonry walls, clay tile roofing, asphalt block paving, ornamental iron, bronze and hollow metal work, metal counters and cupboards, ventilating and air conditioning system, vacuum heating system, etc. Foundation and sub-basement walls were constructed in 1932.

LOW BIDDER

SAN DIEGO, Cal.—Kyle Steel Construction Co., 5555 Magnolia St., Los Angeles, submitted low bid to the Eleventh Naval District at $773 (item 1), for structural steel for Building No. 20, Naval Operating Base (Destroyer Base), San Diego; Specification 7843.

BIDS OPENED

SAN FRANCISCO. — General Engineering & Drydocking Co., 1100 Sansome St., at $1,985 submitted only bid to Public Works Officer, 12th Naval District, Room 518, 100 Harrison St., for repairing an existing refrigeration plant, having equipment located in several buildings and for consolidating and re-installing equipment in one basement room of Building No. 11, at the Receiving Ship Station, Yerba Buena Island, San Francisco Bay. Specification No. 7830.
Bid read as follows:
(1) $1,985.
(2) $125 (add for one new oil separator).
(3) $56 (add for one new scale trap).
Bid held under advisement.

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, at $1,332.00 submitted low bid to the Constructing Quartermaster, Hamilton Field, for the installation of runway marker lights at Hamilton Field.
Complete bids follow:

Bennett & Taylor, Los Angeles	$1,332
A. Soda & Son, Oakland	1,447
Globe Electric Works, S. F.	1,565
H. S. Tittle, S. F.	1,685
Matson-Seabrooke, Oakland	1,941

Bids were referred to Washington for award.

8— CLUB BUILDINGS

November 20, 1934

PLANNED

FRESNO, Cal.—Y. M. C. A., Chas. A. Anger, executive secretary, Fresno, contemplates erecting a new building on the northeast corner of Tuolumne and N Sts., Fresno. It will be a two-story structure with stucco exterior and tile roof, and will cost approximately $50,000.

Plans Being Prepared.

ALTERATIONS Cost, $25,000
SAN FRANCISCO. No. 111 O'Farrell Street.
Alterations and additions to present building for club.
Owner—Kohler & Chase, 26 O'Farrell St. (George O. Chase).
Plans by Engineering Dept. of Owner.
Lessee—Town Club of San Francisco (W. O. Brown, in charge), 111 O'Farrell St., San Francisco.
Sub-bids will be taken by W. O. Brown, 111 O'Farrell St. in about two weeks.

9— HOSPITALS

BIDS OPENED

SAN FRANCISCO—Richmond Tile Co., 1024 Clement St., at $212.65 submitted low bid to U. S. Marine Hospital for repair of tile, both ceramic and glazed, in the kitchen, first and second floors and in nurses' quarters, Marine Hospital. Complete bids follow:

Richmond Tile Co.	$212.65
Malott & Peterson	228.00
Cantrell Tile Co.	235.00
Thomas J. Lamey Co.	240.00
Mangrum Holbrook Co.	284.00

Bids held under advisement.

November 19, 1934

GRANT MADE

SEDRO WOOLLEY, Wash. — PWA has allotted $41,200 as a grant to the State of Washington for the construction of a ward building for the insane at the State Hospital, Sedro Woolley, Wash.

BIDS REJECTED

YREKA, Siskiyou Co., Cal.—J. M. Manley, Yreka, at $1,616.46 submitted low bid to Board of Supervisors for remodeling and constructing fire escape on the new County General Hospital in Yreka. L. Marquiss, Paul Loquelt and W. J. Hearst submitted identical bids at $1,823. All bids rejected as being too high.

PLANS COMPLETE

LOS ANGELES, Cal.—Wm. Davidson, Los Angeles county mechanical engineer, Hall of Records, has completed revised plans for two new reinforced concrete infirmary units to be located at the Los Angeles County Farm. Work will include extensions to steam lines, water lines, sewer lines and electric services and circuits. Cost, $116,000.

BIDS REJECTED

YREKA, Siskiyou Co., Cal.—A. Young, Yreka, at $3000 submitted only bid, which was rejected by the Board of Supervisors, for remodeling warehouse and kitchen of County Hospital.

Bid Opening Date Postponed Until Nov. 26, 11 A. M.

DORMITORY Cost, $8000
SAN JOSE, Santa Clara Co., Calif. Almshouse Site.
One - story frame and stucco dormitory (to accommodate 80 beds); shingle roof, plaster exterior, gas heating system.
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Following have procured plans:
M. W. Reese, 1210 Minnesota St., San Jose.
Knight & Osborne, 560 Sierra Ave., Mountain View.
Megna and Newell, 838 Minnesota Ave., San Jose.
Frank Edmans, 123 South 3rd St., San Jose.
Wm. H. Schwartz, 521 South 8th St. San Jose.
Robt. Gray, 715 S. 5th St., San Jose.
Frank Neves, 891 Harrison Street, Santa Clara.

11—ICE AND COLD STORAGE PLANTS

BIDS WANTED

SAN FRANCISCO — Until November 22, 10 A. M., bids will be received by H. N. Krenkel, Material Officer, U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco.
Specifications may be obtained from above office.

12— POWER PLANTS

CONTEMPLATED

SOUTH SAN FRANCISCO — City Council has under consideration a report filed by G. B. Scheer, consulting engineer, on the cost of constructing a diesel-operated electric power plant. Estimated cost of completed four-unit plant is $359,862.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Plans Completed.

COURT HOUSE Cost, $280,000
FRESNO, Fresno Co., Calif.
Three-story reinforced concrete court house (two elevators, steam heating plant, sprinkler system, etc.)
Owner—County of Fresno.
Architects—Allied Architects, 304 Rowell Bldg., Fresno.

Contract Awarded

FIRE HOUSE Cont. Price, $1,560.45
SALINAS, Monterey Co., Calif.
One-story reinf. concrete fire house (16-32-ft.) composition roof, concrete floors.
Owner—City of Salinas.
Architect—Charles Butner, 51 Maple Street, Salinas.
Contractor—W. E. Green, 32 Willow Street, Salinas.

FUNDS ALLOTTED

CARMEL, Monterey Co., Cal.—PWA allotted $40,000 to City of Carmel to finance construction of a new city hall. An election will be called in the near future to vote bonds to cover loan and grant. Plans prepared by Architect C. J. Ryland, Santa Cruz and Carmel.

Plans Being Completed.

AUDITORIUM Cost, $400,000
FRESNO, Fresno Co., Cal. Fresno and Merced Streets.
Auditorium to seat 2300 on the main floor and 1200 in balcony (56-foot

stage, art gallery, little theater, committee rooms, partial basement kitchen and banquet room; control telephone system; air conditioning) steel frame structure.
Owner—City of Fresno.
Architects—Allied Architects (W. D. Coates, C. H. Franklin, H. Rafael Lake, E. J. Kump, Fred Swartz, and E. W. Peterson, 304 Rowell Bldg., Fresno).
544 Market St., San Francisco.
Mechanical Engineer—A. Coddington,
Structural Engineer—F. W. Kellberg, 222 Kearny St., San Francisco.

GRANT RESCINDED
MONTEREY, Monterey Co., Cal.—PWAhas rescinded grant of $24,400 to County of Monterey for remodeling public buildings and construction of Hall of Records building, because applicant cannot comply with grant agreement. 3

Additional Sub-Contracts Awarded
AUDITORIUM Cont. Price, $413,500
SAN JOSE, Santa Clara Co., Calif. Market and San Carlos Streets.
Three - story reinforced concrete and structural steel civic auditorium, plaster exterior, tile roof, concrete floors, wood floors in auditorium, etc.(seating capacity of 3800 with smaller auditorium to seat 1000; stage, etc.)
Owner—City of San Jose (C. B. Goodwin, City Manager).
Architect—Binder and Curtis, 35 W. San Carlos St., San Jose.
Mechanical Engineer—Leland and Haley, 57 Sutter St., San Francisco.
Contractor—Charles A. Thomas, 127 Clayton Ave., San Jose.
Roofing—California Roofing Co., 72 N. Fourth St., San Jose.
Tile Work—Simpson Tile Co., 46 W. Julian St., San Jose.
Glass—Sylvain Ledelt, 85 E. Humboldt St., San Jose.
Lumber and Mill Work—S. H. Chase Lumber Co., 547 W. Santa Clara, San Jose.
Painting—Geo. H. Smith and Walter Reed, 47 N. First St., San Jose.
Plastering—Wm. Makin, 2141 Livingston St., Oakland.
Grading and Excavation—W. E. Karstedt, 668 Morse St., San Jose.
Marble—Roy Cook Marble Co., 1535 Powell St., Emeryville.
Acoustical Tile—Acoustical Engr. Co., 557 Market St., San Francisco.
Cement—Borchers Bros., 396 N. First St., San Jose.
Excavation has been finished and footing forms are now being placed.
Other awards reported November 1.

Contract Awarded
JAIL Cont. Price, $887.00
YREKA, Siskiyou Co., Calif. Happy Camp.
One-story jail building.
Owner—County of Siskiyou.
Architect—Not Given.
Contractor—Wm. Potter, Yreka.
Comlete bids follow:
Wm. Potter, Yreka.....$ 887.00
J. M. Manley, Yreka..... 1,331.75
A. Young, Yreka..... 1,267.40

LOW BIDDER
SANTA ANA, Orange Co., Cal.—Ball & Honer, 103 E. Third St., Santa Ana, submitted low bid to Santa Ana City Council at $126,755 for construction of a three-story and basement reinforced concrete City Hall building at Third and Main Sts., Santa Ana. W. Horace Austin and H. C. Wildman, Spurgin Bldg., Santa Ana, architects.

CONTRACT AWARDED
SAN FRANCISCO — Judson Pacific Co., 603 Mission St., at $1100 awarded contract by Department of Public Works for repairing of locking devices and cell doors at the City Prison. Complete bids follow:
Judson Pacific Co.....$1100
Arnke Iron Works..... 1125
Peerless Ornamental Iron Works 1140
Dinuba Steel Products Co..... 1175
Pacific Electric Mfg. Co..... 1439
Bids held under advisement.

CONTRACT AWARDED
SAN QUENTIN, Marin Co., Cal.—Golden Gate Iron Works, 1541 Howard St., San Francisco, at $919 awarded contract by State Purchasing Department for window guards for the State Prison at San Quentin. Yuba Manufacturing Co., San Francisco, the low bidder, was allowed to withdraw their bid, claiming an error.

14— RESIDENCES

To Ask Bids In One Week.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two-story frame and stucco residence (7 rooms, 2 baths) Spanish style; tile roof, floor furnaces, hardwood floors, tile baths, etc.
Owner—George Roth, 622 Davis St., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
RESIDENCE Cost, $4755
SAN FRANCISCO. N Belgrave Ave. E Stanyan St.
One - story and basement frame and stucco residence.
Owner—Robert S. and Alice M. Watts.
Architect—Wm. I. Garren, 233 Post St.
Contractor—Moore & Roberts, 693 Mission Street.

Plans Being Figured—Bids Close Dec. 4th, 4 P. M.
RESIDENCE Cost, $——
ORINDA, Contra Costa Co., Calif.
Two-story frame and stucco residence (7 rooms, 3 baths) shingle roof, oil hot air heating system, stucco walls, hardwood floors, tile baths.
Owner—Garry Owen.
Architect—W. W. Wurster, 260 California St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $8000
SANTA CRUZ, Santa Cruz Co., Cal. No. 21 Easterby Ave.
Two-story frame and stucco residence (redwood board exterior); (7 rms. two baths).
Owner — E. F. Hockenbeamer, Santa Cruz.
Architect—Not Given.
Contractor — Norton Phelps Lumber Co. 7th Ave., Santa Cruz.
Excavation — E. F. Garrison, Santa Cruz.

Contract Awarded.
RESIDENCE Cost, $11,000
STOCKTON, San Joaquin Co., Cal. No. 1600 No. San Jose St.
Two-story brick veneer and frame residence (7 rooms) hot air heating system, hardwood floors, etc.
Owner—Jesse H. Farwell, 2320 W. Acacia St., Stockton.
Architect — Jos. Losekann, 1218 W. Harding St., Stockton.
Contractor—E. Merlo, Moreings Lane, Stockton.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. No. 3750 Elston Avenue.
One-story and basement frame and stucco residence (5 rooms).
Owner and Builder—J. W. Scammell, 424 Scenic Ave., Piedmont.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $6000
SAN FRANCISCO. N Scenic Way 327 W 25th Avenue.
Two-story and basement frame and stucco residence.
Owner—Ada J. Spiro, % Contractor.
Architect — S. A. Colton, 544 Market St., San Francisco.
Contractor—H. H. Isaac, 517 Belvedere St., San Francisco.

Plans Being Prepared
RESIDENCE Cost, $12,000
WALNUT GROVE, Contra Costa Co., Calif.
Two - story and basement frame residence (rustic exterior, shingle roof, hot air heating system, hardwood floors, tile baths, etc.)
Owner—Withheld.
Architect—F. W. Confer, 2812 Russell St., Berkeley.

Contract Awarded.
ALTERATIONS Cost, $1952
SAN FRANCISCO. No. 2574 Union Street.
Alterations to frame residence.
Owner—Frank S. and Camille G. Timberlake.
Architect — Francis E. Lloyd, 2574 Union St., San Francisco.
Contractor—D. B. Gladstone, 557 Market St., San Francisco.

Plans Completed
RESIDENCES Cost, $3,500 each
SAN FRANCISCO. N Ulloa St. W. 33rd Avenue.
Three one-story and basement frame and stucco residence.
Owner and Builder—Standard Building Corp., 218 Castenada Street.
Architect—Not Given. '4

Low Bidder
RESIDENCE Cost, $4000
MODESTO, Stanislaus Co., Cal. Sycamore Street.
Two-story frame and stucco residence (7 rooms and 2 baths), gas furnace, shingle or heavy shake roof, etc.)
Owner—Leslie F. Baker.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Low Bidder—M. O. Ward, Waterford Road, Modesto.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. No. 425-439 Walnut Street.
Alterations to frame residence.
Owner—A. Peninou, 3415 Sacramento St., San Francisco.
Architect — W. H. Armitage, 2218 Webster St., San Francisco.
Architect—Berg & Sletwoll, 24 Stilling St., San Francisco.

To Be Done By Day's Work.
RESIDENCE Cost, $1500
SAN JOSE, Santa Clara Co., Cal. No. 670 Prevost Street.
One-story frame residence (4 rooms).
Owner—R. L. Taylor, Rt E, Box 64, San Jose.

Contract Awarded
RESIDENCE Cost, $6000
MARTINEZ, Contra Costa Co., Cal.
One - story and basement frame and stucco residence (six rooms) tile roof.
Owner—B. O. Wilson, Supt. of Schools Martinez.
Architect—Not Given.
Contractor—Carl Overaa, 2105 Roosevelt, Richmond.

To Be Done By Day's Work.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. W Eighteenth Ave. S Vicente St.
Two one-story and basement frame and stucco residences.

Owner & Builder—Herman Christensen, 1422 27th Ave., San Francisco
Architect—Not Given.

Plans Being Completed
RESIDENCE Cost, $8500
BERKELEY, Alameda Co., Cal. Santa Barbara Road.
Two - story and basement frame and brick veneer residence (7 rooms, 2 baths) shake roof, gas hot air heating system, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Addison Street, Berkeley.
Bids will be asked in about two weeks.

Sub-Contracts Awarded
ALTERATIONS Cost, $6000
SAN FRANCISCO. 2755 Vallejo St.
Alterations to frame flats (remodel interior and exterior).
Owner—Ora Hyde.
Architect—Fred. Reimers, 233 Post St.
Contractor—Fred DuPuy, 110 Sutter.
Plumbing—Scott Co., 243 Minna St.
Electric—Frank Goodman, 1466 Third Avenue.

Contract Awarded.
RESIDENCE Cost, $——
NAPA, Napa Co., Cal. Third St., bet. Patchett and Seymour Sts.
One-story and basement frame and stucco residence (6 rooms).
Owner—George S. Green, Napa.
Architect—Not Given.
Contractor — Coffield & Arnitz, 430 Even St., Napa.

Contract Awarded.
ADDITION Cost, $1000
BURLINGAME, San Mateo Co., Cal. No. 1128 Vancouver St.
One-room addition to residence.
Owner—C. C. Kreis, Premises.
Architect—Not Given.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Plans Being Completed.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors, type of heating not determined.
Owner—Wm. Shackleton, 429 College Ave., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be completed and bids asked in about one week.

Contract Awarded.
RESIDENCE Cost, $5000
SAN MATEO, San Mateo Co., Cal. Lot 24 Blk 2-A, Seville Way.
One-story and basement frame and stucco residence.
Owner—H. W. Hilker.
Architect—Not Given.
Contractor—Ira Brotzman, 5 Garfield Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, $4000
BURLINGAME, San Mateo Co., Cal. Lot 20 Blk 22, Balboa St.
One-story and basement frame and stucco residence.
Owner—G. Oppezzo.
Architect—Not Given.
Contractor—J. F. Ahern, 1008 Cortez St., Burlingame.

Contract Awarded.
ADDITION Cost, $1000
BURLINGAME, San Mateo Co., Cal. No. 1132 Cabrillo St.
Addition to frame residence (add one room and bath).
Owner—F. F. Burrows, 1424 Bernal St., Burlingame.
Architect—Not Given.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Plans Being Figured.
RESIDENCES Cost, $3,000 each
OAKLAND, Alameda Co., Cal. Piedmont Pines.
Three 1-story frame and stucco residences (5 rooms each) shingle roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Plans Being Figured.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Cal. Piedmont Pines.
1½-story frame and stucco residence (5 rooms).
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contract Awarded
RESIDENCE Cost, $5000
SAN FRANCISCO. E. Webster St. 52 N Beach St.
One - story and basement frame and stucco residence.
Owner—Lillie Risdon, 1324 Portola Dr.
Architect—Not Given.
Contractor—Risdon Bros., 1324 Portola Drive.

Plans Being Figured.
ALTERATIONS Cost, $4000
DIABLO, Contra Costa Co., Cal. Diablo County Club Grounds.
Alterations and additions to frame residence (add three rooms, etc.)
Owner—Withheld.
Architect—Fred Reimers, 233 Post St., San Francisco.

Plans Being Figured—Bids Close Nov. 28, 12 Noon.
RESIDENCE Cost, $5000
ON THE RUSSIAN RIVER. Hacienda
Two-story wood frame residence (7 rooms, 3 sun porches and 2 baths)
Owner—George L. Barnes, % Architect.
Architect—Farr & Ward, 68 Post St., San Francisco.

BID OPENING DATE POSTPONED
El MONTE, Los Angeles Co., Cal.—Until 11 A. M., December 3 (opening date postponed from November 26), bids will be received by the Division of Subsistence Homesteads, Department of the Interior, Washington, D. C., for the construction of the subsistence homestead project near El Monte. The project manager has issued a memorandum to all bidders covering questions that have arisen in regard to the plans and specifications.

LOW BIDDER
PARKER DAM—Miracle Co., 4751 Monroe St., submitted low bid to the Bureau of Reclamation at Earp, at $29,893.60, for the construction of two 2-room duplexes, six 3-room residences two 4-room residences and two 5-room residences at the government camp, Parker Dam Project. The buildings will be wood frame structures with concrete foundations, insulating building board exterior and interior wall covering, composition roofing, pine floors, plumbing, electric wiring, etc. Materials will be furnished by the government.

Contract Awarded.
RESIDENCE Cost, $2049
CARMEL, Monterey Co., Cal. Lot 11 Blk. 135.
One-story wood frame residence (3 rooms).
Owner—Frank J. Duarte.
Architect—Guy Koepp, Carmel.
Contractor—A. C. Stoney, San Antonio St., Carmel.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Cal. S Melvin Road 418 E Baywood Drive.
Two-story frame and stucco residence (6 rooms).
Owner and Builder—Louis Ayers, 929 E-12th St., Oakland.
Architect—Not Given.

15— SCHOOLS

CONTRACT AWARDED
LOS ANGELES, Cal.—Duff & Vandenhoogen Co., 733 W. 14th St., Long Beach, awarded contract at $73,250 by Los Angeles Board of Education for reconstructing, rehabilitating and strengthening the main building at the Leland Street School, 2112 Leland St., San Pedro. M. L. Barker and G. Lawrence Ott, 346½ S. La Brea Ave., Los Angeles, architect, and Laurence J. Waller, 4350 Beverly Blvd., Los Angeles, structural engineer.

CONTRACT AWARDED
PASADENA, Los Angeles Co., Cal.—Atlas Construction Co., 39 Congress St., Pasadena, awarded contract at $49,400 by Los Angeles Board of Education for reconstruction, rehabilitation and strengthening or building No. 1 and arcade at the Second St. School, 1942 E. Second St. Wm. Mellema, 1661½ Beverly Blvd., architect.

CONTRACTS AWARDED
LONG BEACH, Los Angeles Co., Cal.—Myers Bros., 3407 San Fernando Road, Los Angeles, awarded general contract (including cabinets and using salvaged materials) by tshe Long Beach Board of Education at $213,058, for construction of steel frame commercial and science buildings at the Polytechnic High School site. Other awards were: Heating and ventilating for science building to J. Herman Co., 1349 E. Vernon Ave., Los Angeles, $7696; heating and ventilating for commercial building, Allan Black & Son, 5063 Hollywood Blvd., Los Angeles, $7696; electric wiring, Kuster-Wetzel Electric Co., 214 E. Broadway, Long Beach, $15,863; plumbing to Allan Black & Son, $9617. Hugh R. Davies, 430 E. Ocean Ave., Long Beach, architect.

BIDS WANTED
BERKELEY, Cal.—Until Nov. 28, 2 P. M., bids will be received by the Berkeley School District for the sale and removal of a brick and wood building located on the Thousand Oaks School site on Colusa St., facing Capistrano St. Estimated value $45.

FOR SALE
BERKELEY, Cal.—Until Nov. 28, 2 P. M., bids will be received by the Berkeley School District for the sale of roofing tile from the Oxford School. Estimated value $70.

CONTRACT AWARDED
SAN FRANCISCO—J. Harold Johnson, 639 Brannan Street, at $1697 awarded contract by Department of Public Works for general repair to the Bay View School, located on the southeast corner of Bay View and Flora Streets. Only other bid was submitted by H. L. Petersen at $1850.
Bids held under advisement.

Plans To Be Prepared.
MANUAL TRAINING BLDG. Cost, $45,000
SEBASTOPOL, Sonoma Co., Cal.
One-story reinforced concrete manual training building for high school.
Owner — Analy Union High School District.
Architects—J. W. Rowell; L. C. Stone and Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured—Bids Close Dec. 4, 8 P. M.
HIGH SCHOOL Cost, $185,000
SEBASTOPOL, Sonoma Co., Cal.
Two-story reinforced concrete high school (20 classrooms, cafeteria and kitchen; auditorium to seat 1000); tar, gravel and part tile roof, steam heating plant, linoleum floors, etc.
Owner — Analy Union High School District.
Architects—J. W. Rowell; L. C. Stone and Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Prospective bidders previously reported.

Plans Completed.
SCHOOL Cost, $25,000
KETTLEMAN CITY, Kings Co., Cal.
One-story frame school building.
Owner—Kettleman City School Dist.
Architect — Ernest J. Kump, Rowell Bldg., Fresno.

Additional Contracts Awarded.
MUSIC BLDG. Cost, $12,000
GILROY, Santa Clara Co., Calif.
One-story frame and stucco music bldg. (probably terra cotta roof).
Owner—Gilroy High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Sheet Metal—O. E. Nielsen, Gilroy.
Window and Window Fixtures—Dalmo Mfg. Co., 511 Harrison Street, San Francisco.
Other awards reported Oct. 30.
Plumbing and roofing tile bids held under advisement.

Revised Plans Awaiting Approval.
SCHOOL Cost, $——
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (three classrooms) tar and gravel foor, hot air heating system, Oregon pine floos, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 332 Grant St., Healdsburg.
Previous bids were rejected and revised plans are awaiting approval of State Division of Architecture.
On bid opening lowest bids was submitted by Lightford & Kuppinger, Lakeport, at $9891.

Plans Being Completed.
HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Cal.
One-story steel frame and wood high school building.
Owner — Trinity Union High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be completed in about two weeks and referred to Sacramento for approval.

Plans Being Completed
SCHOOL Cost, $35,000
GRIDLEY, Butte Co., Calif.
Replace McKinley Primary School with one-story frame and stucco building (8 rooms); concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Bids will be asked shortly.

Low Bidder.
SCHOOL Cost, $——
DRAIN, Douglas Co., Oregon.
One-story brick veneer Union High School building (3 classrooms, library and auditorium).
Owner—Union High School District No. 12.
Architect—Graham B. Smith, Eugene, Oregon.
Low Bidder—E. R. Metzger, Roseburg Oregon, at $35,600.

Plans Being Prepared
SCHOOL Cost, $13,000
TAHOE CITY, Placer Co., Calif.
1-story wood frame grammar school.
Owner—Tahoe City School District.
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.

FUNDS ALLOTTED
HONOLULU, T. H.—PWA allotted $49,000 (outright grant) to the University of Hawaii, Honolulu, to aid in construction of a fireproof agricultural building and an addition to existing library building. No loan was requested. Total estimated cost of the project is $166,910.

BIDS WANTED
SANTA MARIA, Santa Barbara Co. Cal.—Until Nov. 30, 1 P. M., bids will be received by the Santa Maria Union High School District for repairing portions of the main building at Santa Maria high school. Plans and specifications may be obtained at the office of the school principal. Gladys E. Forbes, Clerk.

Planned.
SCHOOL Cost, $11,000
SAN MARTIN, Santa Clara Co., Cal.
Addition to school building (two classrooms and auditorium).
Owner—San Martin School District.
Architect—Not Selected.
A bond election will be held in the near future to finance construction. If the bonds are voted work will be done by day's labor under the SERA.

PLANNED
PASADENA, Los Angeles Co., Cal. —Pasadena Board of Education applied to the Pacific Works Administration for a grant of $275,000 for reconstruction work at the Pasadena Junior College, Washington Junior High School, McKinley Junior High School and the Marshall Junior High School.

BIDS WANTED
ALTADENA, Los Angeles Co., Cal. —Until December 4, 1:30 P. M., bids will be received by the Pasadena Bd. of Education for the construction of a two-story and part basement elementary school at Altadena school site. Marston & Maybury, 25 S. Euclid Ave., Pasadena, architects.

Bids Rejected—Plans Being Revised.
UNDERPINNING, ETC. Cost, $——
LOS GATOS, Santa Clara Co., Cal.
Underpinning of two concrete walls to enlarge basement space in new high school building.
Owner—Los Gatos Union High School District (Geo. F. Shaner, Clerk), Los Gatos.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans are being revised and new bids will be asked shortly.

BIDS WANTED
LOS ANGELES, Cal.—Until Dec. 4, 11 A. M., bids will be received by the Regents of the University of California for linoleum, window shades and Venetian blinds for the chemistry building addition to U. C. L. A. Information may be obtained at the comptroller's office, 48 Library, U. C. L. A. A deposit of $10 is required for specifications.

Preparing Working Drawings.
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco elementary school (six classrooms, principal's office, lunchroom, etc.); probably tile roof (Jefferson Elementary School).
Owner—Jefferson School District (W. J. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First National Bank Bldg., San Francisco.

Preparing Working Drawings.
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco grammar school (8 classrooms, principal's office, lunchroom, etc.); probably tile roof (Woodrow Grammar School).
Owner—Jefferson School District (W. J. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First Nat'l. Bank Bldg., San Francisco.

Preparing Working Drawings
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Calif.
One-story frame and stucco elementary school (Crocker Elementary School; six classrooms, principal's office, lunchroom, etc.) probably tile roof.
Owner—Jefferson School District (W. K. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First National Bank Building, San Francisco.

Bids Wanted—To Close Dec. 5, 2:30 P. M.
SCHOOL Cost, $——
SAN FRANCISCO. Schwerin Street between Visitacion and Leland Sts. (Visitacion Valley School).
Complete school unit, 17 rooms, library, auditorium, kindergarten and auditorium detached (reinforced concrete construction).
Architect—Hyman and Appleton, 68 Post St. and G. Albert Lansburgh, 140 Montgomery Street.
Mechanical Engineers—Leland & Haley, 58 Sutter Street.
Structural Engineer — K. Theill, 580 Market Street.
The work includes:
Concrete and reinforced concrete, concrete aggregates, reinforcing steel, cement topping, miscellaneous concrete cement and re-cut cast stone; brick and terra cotta flue lining, architectural terra cotta; marble; asphalt paving; terrazzo; miscellaneous and ornamental iron, bronze and brass; sheet metal work; composition roofing; creosoting; deafening materials; screens; blackboards; glass and glazing; tiling; terra cotta unit tiles; tile floors; tile at drinking fountains; metal lath; interior and exterior plaster; magnesite linoleum; metal fencing; window shades; finish hardware; stage curtain; motion picture screen; rolling doors, etc.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall, upon deposit as follows:
General Work—(Estimated Cost) $210,000 (Deposit) $25.00.
Mechanical Equipment and Plumbing System—(Est. Cost) $26,000; (Deposit) $15.00.
Electric Work—(Estimated Cost) $10,500; (Deposit) $15.00.
Bids will be opened by S. J. Hester, Chief Deputy Director, Department of Public Works, Room 251, City Hall, on December 5, 2:30 P. M.
Preparing Working Drawings
SCHOOL Cost, $300,000
SAN FRANCISCO. Twenty-fifth and Bryant Streets (Sunshine - Buena Vista School).
One-story reinforced concrete school (18 classrooms, dining room, exercise room, vocational room, rest rooms, auditorium to seat 500).
Owner—City and County of San Francisco.
Architects — Martin J. Rist, Phelan Bldg.; Charles F. Strothoff, 2274 15th St.; Smith O'Brien, 2032 Bak-

er St., and Albert Schroepfer, 681 Market Street.
Structural Engineer—H. J. Brunnier, Sharon Building.
Mechanical and Electrical Engineer—A. R. McLaren, 611 Howard St.
Plans will be completed in about 60 days.

Plans Being Prepared.
DORMITORY Cost, $100,000
OAKLAND, Alameda Co., Cal. Mills College Campus.
Two-story dormitory (type of construction not determined) will accommodate 60 girls.
Owner—Mills College.
Architect—W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Bids will be asked in about thirty days.

TO MAKE SURVEY
BURLINGAME, San Mateo Co., Cal. —A survey will be made of the six grammar school buildings in Burlingame for their earthquake resisting qualities. An engineer will be selected in the near future.

LOAN AND GRANT APPROVED
SANTA BARBARA COUNTY, Cal. —Public Works Administration has approved a loan of $65,000 and a grant of $28,600 to the Santa Ynez Union High School District to finance the construction of a new school building in the Santa Ynez valley, Santa Barbara county. The district will hold an election next month at which time it is proposed to vote bonds to secure the loan. The building will be a wood frame and stucco structure with tile roof. E. Keith, Lockard, 117 E. De la Guerra, Santa Babara, architect.

BIDS WANTED
ALTADENA, Los Angeles Co., Cal. —Until December 4, 1:30 P. M., bids will be received by the Pasadena Bd. of Education for the construction of a two-story and part basement reinforced concrete school at the Altadena School site. Marston & Maybury, 25 S. Euclid Ave., Pasadena, architects. $25 deposit for plans. Cost, $100,000.

GRANT MADE
HEALDSBURG, Sonoma Co., Cal.—PWA has made a grant of $17,000 to Healdsburgh High School District to assist financing of a one- and two-story wing addition to the Healdsburg High School, estimated to cost $60,000. Plans have been completed by Architect John I. Easterly, Healdsburg, and bids will be asked shortly.

CONTRACT AWARDED
BURLINGAME, San Mateo Co. Cal. —Pacific Gas and Electric Co., 224 California Drive, Burlingame, awarded contract by Burlingame School District for furnishing and installing gas heating plant for the Roosevelt School in Burlingame.

BIDS WANTED
SAN FRANCISCO.—Until Nov. 21, 4.45 P. M., informal bids will be received by Department of Public Works, Room 251, City Hall, for general repairs to the Bay View School, located on the southeast corner of Bay View and Flora Streets. Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall.

COMMISSIONED TO PREPARE PLANS
REDONDO BEACH, Los Angeles Co., Cal.—Architect Richard D. King, 1117 Van Nuys Bldg., Los Angeles, commissioned by Redonda Union High School District to prepare plans for improvements to Redondo High School buildings. Work will include two-story dressing room unit to be added to the auditorium, etc. Cost, $60,000.

CONTRACT AWARDED
ONTARIO, San Bernardino Co., Cal. —Henry G. Klusman, 154 N. Archibald Ave., Cucamonga, awarded contract by Chaffey Union High School District, at approximately $76,000, for reinforced concrete Chaffey Memorial Library Building in Ontario. Allison & Allison, 1014 Edison Bldg., Los Angeles, architects.

LOW BIDDER
PASADENA, Los Angeles Co., Cal. —Atlas Construction Co., 39 Congress St., Pasadena, submitted low bid at $49,400 to Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of building No. 1 and arcade at the Second Street School, 1942 E. Second St. Wm. Mellema, 1661½ Beverly Hills, architect. Cost, $61,847.

LOW BIDDERS
LONG BEACH, Los Angeles Co., Cal.—J. K. Thomas, 700 Kress Bldg., Long Beach, submitted low bid to Long Beach Board of Education at $169,250 (using salvaged materials), for construction of steel frame academic building at Franklin Junior High School site. Low bidders on other contracts were: B. Hartman, 168 Sunset St., Long Beach, electric wiring, $9199 (using salvaged materials); O. E. Ross, 1850 Pacific Ave., Long Beach, plumbing, $5287 (using salvaged materials); J. Herman Co. was apparent low bidder on heating and ventilating at $14,065 (using salvaged materials). George D. Riddle, 2826 Cedar Ave., Long Beach, architect.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ADDITION Cost, $1425
SACRAMENTO, Sacramento Co., Cal. No. 2215 Y Street.
Construct brick front on building.
Owner—Harold Ellsworth, Premises.
Architect—Not Given.
Contractor—Campbell Constr. Co., 800 R St., Sacramento.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 33 Kearny Street.
Alterations and additions to store building.
Owner—Irving Weinstein, Premises.
Architect—George de Colmesnil, 111 Sutter St., San Francisco.
Further details will be announced shortly.

Contract Awarded.
STORE Cost, $5900
MILL VALLTY, Marin Co., Cal.
One-story brick store building (cement finish on front, wood floors, plastered walls and celings, flat roof, brick walls, etc.)
Owner—Estate of M. M. O'Shaughnessy, 60 Summitt Ave., Mill Valley.
Architect — Kent & Hass, 525 Market St., San Francisco.
Contractor — Jos. Linggi, Westland Park, San Rafael.

Contract Awarded
ALTERATIONS AND ADDITIONS Contract Price, $19,441
COLMA, San Mateo Co., Cal. Cypress Lawn Cemetery.
Alterations to first floor and add one-story frame top addition to office bldg.; one-story frame flower ship (cement plaster exterior, etc.)
Owner—Cypress Lawn Cemetery Association, 593 Market Street, San Francisco.
Architect—Arthur Brown, Jr., 251 Kearny St., San Francisco.
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco.
Complete bids follow:
(1) Flower shop;
(2) Office addition;
(3) Combined bid for items 1 and 2.
Dinwiddie Const. Co., (1) $.. ....; (2) $14,000; (3) $18,300.
E. W. Yount, (1) $4,730; (2) $15,323; (3) $19,964.
Chas. Stockholm, (1) $4,897; (2) $15,429; (3) $20,100.
Hannah & Wooldridge, (1) $5,048; (2) $16,111; (3) $20,948.
Nils E. Johnson, (1) $5,466; (2) $18,714; (3) $24,170.
Bessett Building Co., Burlingame, (1) $4,700; (2) $19,990; (3) $24,690.
All bidders of San Francisco unless otherwise noted.

Contract Awarded.
STORE Cost, $7500
SAN JOSE, Santa Clara Co., Cal. No. 140 Jackson Street.
One-story frame and stucco restaurant and grocery store.
Owner—F. Morihiro, 4th and Jackson Sts., San Jose.
Architect—Not Given.
Contractor—V. J. Sunzeri, 176 N. 31st St., San Jose.

PLANS BEING PREPARED
SAN DIEGO, Cal. — Architects Kequa, Jackson & Hammill, Bank of America Bldg., San Diego, are preparing plans for a number of new buildings to be erected in Balboa Park, San Diego, for the California Pacific International Exposition. The program includes 15 new buildings to be built in a group and to be known as the "House of Pacific Relations," five new structures corresponding in size and construction to the present buildings in the park, the moving of one existing building, widening of Park Blvd. and the erection of a fire station. Work of rehabilitating the existing buildings is well advanced and construction of the new structures will be under way within a short time.

Contract Awarded.
ALTERATIONS Cost, $——
OAKLAND, Alameda Co., Cal. No. 445 Athol Avenue.
Alterations to heating and hot water system in building.
Owner—Capital Company. 625 Market St., San Francisce.
Plans by Construction Dept. of Owner
Contractor—L. J. Kruse Co., 6247 College Ave., Berkeley.

Elevator Equipment Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Market and Mason Streets.
Alterations and additions to bank and office bldg. (work involves painting, plastering, elevator doors, marble work, mill work, glass).
Owner—Capital Co., 625 Market St.,
Plans by Construction Dept. of Owner
Elevator Equipment—Price Bldging
Elevator Equipment—Price Building Specialties Co., 683 Howard St.
Other awards reported Nov. 15.

Owner Taking Sub-Bids.
RESTAURANT, ETC. Cost, $4000
BRISBANE, San Mateo Co., Cal. The Highway.
One-story frame restaurant (bar, dancing hall and living quarters, etc.) rustic exterior.
Owner—Mrs. Goldculd.
Architect—Not Given.
Owner is receiving bids on the premises for kitchen equipment, sheet

metal, plumbing, electrical work and painting.

Planned.
OFFICES Cost, $——
REDDING, Shasta Co., Cal.
Two-story and basement frame and stucco office building (concrete basement) to house SERA offices.
Owner—County of Shasta.
Architect—Not Given.
Further details will be announced shortly.

CONTRACT AWARDED
SACRAMENTO, Calif. — Fink and Schindler, 522 Brannan St., San Francisco, at $933 awarded contract by the State Division of Architecture for sectional partitions for the Controller's Office, Public Works Bldg., Sacramento.

Planned
OFFICE BLDG. Cost, $18,000
SAN RAFAEL, Marin Co., Calif.
Construct social service center (90x95 feet).
Owner — U. S. Government (Federal Emergency Relief Administration)
Architect—Not Given.
The county of Marin will furnish property east of the Courthouse as a site for the proposed building. The government will furnish all labor and and materials.

Sub-Contracts Awarded
ADDITION Cont. Price, $7970
SACRAMENTO, Sacramento Co., Cal.
Twenty-eighth and Y Streets.
Frame and stucco addition to market (60x80 feet).
Owner—Albert Smith.
Architect — George Sellon, California State Life Bldg., Sacramento.
Contractor—E. A. Corum, 2665 Donner St., Sacramento.
Roofing—Capitol Roofing & Supply Co. 2011 Q St., Sacramento.
Plumbing—Romack Plbg. Co., 2507 K St., Sacramento.
Glass—W. P. Fuller & Co., 1013 12th St., Sacramento.
Iron Grille Work—Palm Iron Works, 15th and S Sts., Sacramento.
Lumber—Homestead Lbr. Co., 30th & Q Sts., Sacramento.
Foundations—Fred. Ferrin, 3729 5th Ave., Sacramento.

FUNDS ALLOTTED
COVELO, Mendocino County, Cal.—PWA allotted $39,200 to Round Valley Union High School District to finance construction of three 1-story high school buildings, including landscaping, draining and septic tank in Covelo. Plans prepared by Architects Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

COMPLETING PLANS
SANTA BARBARA, Cal. —Architects Edward Cray Taylor and Ellis Wing Taylor, 803 W. Third St., Los Angeles, are completing plans for alterations to the ground floor of the Elks' building in Santa Barbara for the Pacific Mutual Life Insurance Co. Work will include the installation of new store fronts, metal channels and stud partitions, suspended ceilings, exterior and interior plastering, brick bulkheads, plain and decorative tile, electrical work, etc. Bids will be taken the last week in December and construction started immediately after January 1. Architect John Frederick Murphy, 116 E. Sola St., Santa Barbara, will supervise construction.

Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO, New Montgomery and Market Streets.
Altrations to bar room and lounge in hotel (to be known as the "Oak Room") cocktail room to be constructed on Market St. side; reconstruct present bar, replace the furnishings, etc.
Owner — Palace Hotel Co. (Archibald H. Price, Manager).
Architect — Bakewell & Weile, 251 Kearny St., San Francisco.
Mullen Mfg. Co., 64 Rausch Street, awarded contract for reconstruction of the bar.
Bids on other portions of the work will be asked shortly.
As previously reported, mill work contract awarded to Pacific Mfg. Co., Monadnock Bldg.

Bids Opened
STORE Cost, $8000
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
One - story reinforced concrete store building (three stores) composition roofing, etc.
Owner—Russell Frank.
Architect—W. E. Schirmer, 910 Bank of America Bldg., Oakland.
Low Bidder—David Nordstrom, 4150 Emerald St., Oakland.
Complete bids follow:

David Nordstrom, Oakland	$7,476
Conrad Roth, Oakland	7,496
John Moore, Oakland	7,697
Ben Kopp, Oakland	7,709
S. J. Bertlesen, Oakland	7,727
George Swanstrom, Oakland	8,019
Kelly & Tulloch, Oakland	8,420
Wm. Lyons, Oakland	8,739
Lindgren & Swinerton, Oakland	9,164

Bids held under advisement.

To Be Done By Day's Work.
ALTER STORE Cost, $1500
SAN FRANCISCO. No. 877 Market Street.
Alterations to store building.
Owner—Leed's Shoe Co., 877 Market St., San Francisco.
Architect—Not Given.

17— THEATRES

Plans Being Figured—Bids Close Nov. 27, 2 P. M.
THEATRE Cost, $——
SALINAS, Montreey Co., Cal. Sausal and Soledad Streets.
One - story reinforced concrete theatre and store building (theatre to seat 600, two stores); auditorium 50x100 feet, insulation, etc.
Owner — John Peters and Lawrence Borg, Salinas.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Young & Horstmeyer, 461 Market St., San Francisco, are figuring the plans.

Contract Awarded
THEATRE Cost, $50,000
ALBANY, Alameda Co., Calif. Kains and Solano Avenue.
One-story motion picture theatre (to seat 750) neon lighted tower, modern sound equipment.
Owner—Phil. A. Frease, 25 Taylor St. San Francisco.
Architect—Wm. I. Garren, 233 Post St., San Francisco.
Contractor—Moore and Roberts, 693 Mission St., San Francisco.

Bids In—Held Under Advisement.
REBUILD THEATRE Cost, $——
SAN MATEO, San Mateo Co., Calif.
Rebuild Fox West Coast Theatre (recently destroyed by fire).
Owner—Fox West Coast Theatres, 988 Market St., San Francisco.
Architect—A. A. Cantin, 557 Market Street, San Francisco.
Announcement will be made shortly.

November 22, 1934

Low Bidder.
REBUILD THEATRE Cost, $——
SAN MATEO, San Mateo Co., Cal.
Rebuild Fox West Coast Theatre (recently destroyed by fire).
Owner—Fox West Coast Theatres, 988 Market St., San Francisco.
Architect—A. A. Cantin, 557 Market St., San Francisco.
Low Bidder—Jas. L. McLaughlin, 251 Kearny St., San Francisco.

18— WHARVES & DOCKS

Bonds For Sale
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Cal.
New municipal yacht harbor (work includes approach trestle 850 feet in length; wharf, 250x40 feet; wood construction, creosoted piling, boat landing facilities, piling, filling, levee work, etc.)
Owner—City of Martinez.
Consulting Engineer—Lochiel M. King 1339 Grove St., Alameda.
Bonds in the amount of $38,000 are for sale and bids will be received until November 21. Bids will be asked Nov. 22.
The PWA has made a grant of $12-000 to assist financing the project.

Plans Being Completed
YACHT HARBOR Cost, $360,000
SAUSALITO, Marin Co., Calif.
Yacht harbor.
Owner—Golden Gate Yacht Harbor, Ltd. (Albert von der Werth, president) 800 Mills Bldg., San Francisco.
Architect—Willis Polk Co., 277 Pine St., San Francisco.
Bids will be asked shortly.

Contract Awarded.
WHARF EXTENSION Cost, $100,000
RICHMOND, Contra Costa Co., Calif.
720-foot extension to wharf (wood construction, creosoted timber piling.
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner. (L. M. Snyder in charge).
Contractor—Lindgren & Swinerton, 225 Bush St., San Francisco.
Piling — Healy Tibbitts Constr. Co., 64 Pine St., San Francisco.
Construction has just started.

BIDS WANTED
RICHMOND, Contra Costa Co., Cal. —Until December 3, 8 P. M., bids will be received by A. C. Faris, Clerk, City of Richmond, for epairs of the substructure of Wharf No. 1, located at the southerly termination of Garrard Blvd., Richmond.
Plans and specifications may be obtained from E. A. Hoffman, City Engineer, City Hall, upon deposit of $5.
Each bid must be accompanied by certified check in the amount of $800.

19—MISC. CONSTRUCTION

CONTRACT AWARDED
LAKEPORT, Lake Co., Cal.—W. W. Prather Lumber Co., Lakeport, at $932 awarded contract by County Supervisors for fencing along right-of-way over Detert property near Middletown.
Complete bids follow:

Kamlan Fence Company	$ 941.29
Columbia Steel Company	942.55
Standard Fence Company	942.85
Soule Steel Company	942.85
P. Q. Robison & Sons	951.96
Lake Trading Company	1004.70
Chas. E. Nofrey	1016.39
Waite & Herrick	1016.55
Curtis Tennyson	1084.00

BIDS WANTED
SAN FRANCISCO.—Until Nov. 23, 10 A. M., bids will be received by Captain R. B. Woolverton, Signal Officer, Presidio of San Francisco, under O. P. No. 1084 SC. 35-4, for the installation of an auxiliary power sup-

ply system for the Radio Transmitter at Fort Miley.

Plans and specifications obtainable from above office. * 19

BIDS WANTED

SAN MATEO, Cal.—Until Nov. 19, 8 P. M., bids will be received by E. W. Foster, City Clerk, for furnishing lumber, mill work and other building material for the municipal golf course, san Mateo.

List of materials may he obtained from the City Clerk.

Sub-Contracts Awarded

ALTERATIONS Cost, $6000
SAN FRANCISCO, 2500 16th Street.
Alterations to animal home and hospital.
Owner—Society for the Prevention of Cruelty to Animals.
Architect—D. D. Stone, 110 Sutter St.
Contractor—Lindgren and Swinerton, 225 Bush Street.
Glass—W. P. Fuller & Co., 301 Mission Street.
Painting—Raphael Co., 270 Tehama.
Mastipave—Royal Floor & Linoleum Co., 7th and Brannan Streets.
Roofing—J. W. Bender Co., 18th and Bryant Streets.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard Street.
Iron, Steel and Metal—Michel & Pfeffer Iron Works, Harrison and 10th Streets.
Plumbing and Electric—Alta Electric Co., 467 O'Farrell Street.
Mill Work—Pacific Mfg. Co., Monadnock Building.
Hardware—Palace Hardware Co., 581 Market Street. *

Excavation Contract Awarded.

MAUSOLEUM AND CHAPEL
Cont. Price, $184,721
WOODLAWN, San Mateo Co., Calif. Woodlawn Cemetery.
Reinforced concrete masoleum with marble and bronze interior and concrete and granite chapel.
Owner—Masonic Cemetery Assn.
Architect—W. G. Merchant; Maybeck & White, Associated, Russ Bldg., San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.
Excavation — L. C. Smith, 235 Third Ave., San Mateo.

Contracts Awarded.

SAN MATEO, Cal.—San Mateo City Council awarded the following contracts for furnishing lumber, mill work and other building materials for the municipal golf course at San Mateo:
Lumber—Wisnom Lumber Co., 5th & S. Claremont Sts., San Mateo.
Mill Work—Harry Cahalan Co., Bayswater and R. R. Ave., Burlingame
Concrete and Plastering—H. E. Casey Co., Woodside Ave. and Peninsula Ave., San Mateo.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

BOULDER CANYON, Nev. — Following bids received by the Bureau of Reclamation, Denver, Colo., Nov. 16, under Spec. No. 635-D, for furnishing miscellaneous steel for generator room crane runway catwalk, for installation in the Boulder Power Plant:

The Ornamental Iron Works (Fob point) Arkon, Ohio, $6,426.

Judson - Pacific Co., Boulder City, $5,817.

A. J. Bayer Co., Los Angeles, ½% discount, $5,990.

American Bridge Co., Boulder City $6,461.

General Bronze Corp., Chicago, $5,146.00.

Fremont Foundry & Machine Co., Boulder City, ½% discount, $6,085.

Virginia Bridge & Steel Co., Birmingham, Ala., ½% discount, $5,900.

Midwest Steel & Iron Works Co., Boulder City, ½% discount, $6,571.

Worden-Allen Co. Boulder City, ½% discount, $6,190.

The Ingalls Iron Works Co., Boulder City, $6,805.

Stupp Bros. Bridge and Iron Co., Boulder City, ½%, $6,995.

Bethlehem Fabricators, Inc., Bethlehem, Pa., $5,668.

Alan Wood Steel Co., Boulder City ½% discount, $6,533.

Mississippi Valley Structural Steel Co., Boulder City, $5,096.

Kansas City Structural Steel Co., Boulder City, ½% discount, $5,943.

California Steel Products Co., San Francisco, 1% discount, $8,790.

Pacific Iron & Steel Co., Ltd., Los Angeles, $5,364.00

The R. C. Mahon Co., Detroit, Mich. $4,975.

Duffin Iron Co., Chicago, Ill., ½% $5,425.

Alton Iron Works, Pittsburgh, Pa., ½% discount, $5,240.

John W. Beam, Pootone, Ill., ½%, $5,500.

Structural Steel and Foundry Co., Boulder City, 1%, $9,975.

All bids held under advisement.

CONTRACTS AWARDED

OAKLAND, Cal. — Following contracts awarded by the East Bay Municipal Utility District, 512 16th St., Oakland, for furnishing pipe and fittings under Proposal No. LS 132:

U. S. Pipe & Foundry Co., San Francisco, $2885.58 for 34 lengths 20-in. diameter. Class D flanged pipe.

Phoenix Iron Works, Oakland, $240 for 4 20-in., 37 degree flanged short radius elbows, and $1050 for 6 20-in. flanged expansion joints.

American C. I. P. Co., San Francisco, $146 for 2 lengths 20-in. dia. Class D flanged pipe, 5-ft. long.

Pacific Coast Engineering Co., Oakland, $3942 for 18 20-in. flanged ball and socket flexible joints.

CONTRACTS AWARDED

HUNTINGTON PARK, Cal.—Contracts for cast iron pipe, fittings, valves and fire hydrants were awarded by Huntington Park City Council, Nov. 19, as follows:

National Cast Iron Pipe Co.—525 ft. 12-in. cast iron pipe at $1.63 ft.; 4800 ft. 8-in. at $0.95 ft.

Hickey Pipe & Supply Co.—Hercules fittings for above. Also 14 8-in. gate valves at $36.96 each.

Rensselaer Valve Co.—14 6-in. fire hydrants at $57 each.

Rich Mfg. Co.—16 6-in. gate valves at $23.52 each.

Chapman Valve Co.—4 4-in. valves at $12.88 each and 3 12-in. valves at $70.56 each.

CONTRACT AWARDED

BERKELEY, Cal.—Standard Oil Co. 225 Bush St., San Francisco, at $1.10 per bbl. (total $4950) awarded contract by Berkeley School District for furnishing 4500 bbls. fuel oil for the Berkeley High Schools. 20

CONTRACT AWARDED

BERKELEY, Cal.—Shell Oil Company, Shell Bldg., San Francisco, at $1.10 per bbl. (total $2750) awarded contract by Berkeley School District for furnishing 2500 bbls. fuel oil for the Berkeley Grammar Schools.

BIDS OPENED

OAKLAND, Cal.—Bids for furnishing cast iron flanged pipe and fittings under Proposal No. LS 132 were opened by the East Bay Municipal Utility District, 512 16th St., Oakland, November 14. Bids were taken as follows:

(1) 34 lengths 20-in. diameter Class D flanged pipe 12-ft. long;
(2) 2 lengths 20-in. do. 5-ft. long;
(3) 4 20-in. 37-deg. flanged short radius elbows;
(4) 18 20-in. flanged ball and socket flexible joints;
(5) 6 20-in. flanged expansion joints;
(6) total;
(7) total as lump sum.

Bids were:

United Iron Works, San Francisco, (1) $5,504.60; (2) $178.00; (3) $268.00; (5) $1,230.00.

Chas. S. James Co., San Francisco, (3) $285.20; (4) $6,021; (5) $1,470.00.

U. S. Pipe & Foundry Co., San Francisco, (1) $2,885.58; (2) $152.40; (3) $377.20; (4) $4,151.70; (5) $1,923; (6) $9,489.88; (7) $9,260.60.

Phoenix Iron Works, Oakland, (1) $4,048.04; (2) $156; (3) $240; (4) $4,291.02; (5) $1,050; (6) $9,785.06.

American C. I. P. Co., San Francisco, (1) $3,051.50; (2) $146; (3) $282.

Santa Fe Foundry, Richmond, (1) $4,998; (2) $163; (3) $248; (4) $4,216.50 (5) $1,587; (6) $11,212.50.

Pacific Coast Engr. Co., Oakland, (1) $4,828; (2) $162; (3) $268; (4) $3,942; (5) $1,422; (6) $10,622.

All bids held under advisement.

BIDS OPENED

PANAMA CANAL ZONE—Bids for furnishing 15,000 bbls. of Portland cement for the Panama Canal Zone under Schedule No. 3063, were opened by the General Purchasing Officer, Washington, D. C., Nov. 1. The bids were:

Coplay Cement Mfg. Co., 521 Fifth Ave., New York City; Lehigh Portland Cement Co., Allentown, Pa.; Lone Star Cement Co. of Louisiana, New Orleans; Lone Star Portland Cement Co. of Pennsylvania, Nazareth, Pa.; Lone Star Portland Cement Co. of Texas, Dallas; Trinity Portland Cement Co., Dallas; Vulcanite Portland Cement Co., 230 Park Ave., New York City; U. S. Steel Products Co., Washington; all bid $2.35; discount 10c bbls. 15 days for ship's clearance with benefit of market decline.

Alpha Portland Cement Co., Easton, Pa.; Monolith Portland Cement Co., Los Angeles; Pacific Portland Cement Co. of San Francisco; Santa Cruz Portland Cement Co., San Francisco; Pennsylvania-Dixie Cement Co. 60 E. 42nd St., New York City; all bid $2.35; discount 10c bbl. 15 days from ship's clearance.

Philadelphia Export Co., The Bourse, Philadelphia, bid $2.75 bbl.; discount 10c. 15 days from ship's clearance. 1

LOW BIDDERS

MARCH FIELD, Cal.—Ace Transfer & Storage Co., 3720 El Cajon Ave. San Diego, at $2.04 per cwt. submitted low bid to the Quartermaster, March Field, under Invitation No. 724-35-35, for transporting approximately 300,000 lbs. of house goods, etc. from March Field and Riverside, to Hamilton Field.

Pilgrim Warehouse Co., Oakland, at $2.15 per cwt. submitted the second low bid.

Complete bids will be given soon.

CONTRACT AWARDED

TURLOCK, Cal.—American Cast Iron Pipe Foundry, at $2382 awarded contract by the Turlock City Council for furnishing pipe to be used in installation of two lines to the city's auxiliary pumping plant. Work will be done by city's forces. 0

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

CANAL ZONE

PANAMA CANAL ZONE — Until December 3, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 3012, for furnishing lumber as follows:

Class 1—100,025 ft. b. .m. Southern Yellow Pine flooring lumber, S2S and Standard matched scratch back, kiln-dried.

Class 2—209,994 ft. b. m. Southern Yellow Pine and 200,000 ft. b. m. Douglas Fir flooring lumber, S2S and Standard matched, scratch back, kiln-dried.

Class 3—199 994 ft. b. m. Southern Yellow Pine and 200,000 ft. b. m. Douglas Fir ceiling lumber, kiln-dried.

Class 4—306,,336 ft. b. m. Southern Yellow Pine or Yellow Fir lumber.

Class 5—21,334 ft. b. m. Southern Yellow Pine or Douglas Fir lumber, S4S.

Class 6—203,952 ft. b. m. Southern Yellow Pine or Douglas Fir lumber, S4S.

Class 7—50,000 ft. b. m. car stake lumber; Fir, Spruce, Hemlock, Loblolly long or shore leaf Southern Yellow Pine.

Class 8—10,000 Ties, cross, hewn or swan on top, bottom and sides, 7-in. x 9-in. x 8-ft. 6in., "sap" Southern Yellow Pine or "sap" Douglas Fir, creosoted.

Specifications obtainable from the above office, or from the Assistant Purchasing Agent, The Panama Canal Fort Mason, San Francisco.

PANAMA CANAL ZONE — Until November 30, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 3010, for furnishing miscellaneous supplies and equipment, including: Steel tires; sanding machine; paint drums; pails; coil chain; pipe wrenches; extension ladders hand taps; files; paint pigments enamel; varnish; shellac; paint and varnish remover; putty; Volatile mineral spirits (thinner); turpentine; linseed oil; switch oil; transformer oil; cup grease; rust preventative compound; Ethyl alcohol; flake glue; carbon bisulphide; calcium chloride; acetone; hydrochloric acid; sulphuric acid; tires and tubes; cedar, white ash and maple lumber.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

RECLAMATION SERVICE

DENVER, Colorado—Until December 3, bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 640-D, for furnishing two motor - driven, vertical deep - well pumping p n l t s with contral equipment, for the Government Camp, Grand Coluee Dam, Washington.

Specifications obtainable from above office without charge to prospective bidders, to others, 25 cents, not returnable.

DENVER, Colo.—Until December 3, bids will be received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 641-D, for furnishing machine tools as follows: One 24-inch lathe and equipment; one 10-in. lathe and equipment; one 24-in. upright drill one 36-in. shaper and equipment; one 10-in. pedestal grinder and equipment for the Boulder Power Plant.

Specifications obtainable from above office without charge to prospective bidders; to others, 50 cents, not returnable.

SANTA CRUZ COUNTY

SANTA CRUZ, Cal.—Until December 3, 9 A. M., bids will be received by Santa Cruz City Council, S. A. Evans, City Clerk, City Hall, Church St., for furnishing:

(1) 1950 lin. ft. ¾-in. copper service pipe, oustide diameter .875-in., wall thickness, .065-in., .641 lbs. per lin. ft.;
(2) 70 corporation stops with straight coupling nuts, size ⅝-in.;
(3) 70 Ground key curb stops without check, size ⅝-in.;
(4) 70 quarter bend couplings, copper to outside iron pipe, ¾-in.;
(5) 70 Streamline copper couplings copper to copper, size ¾-in.;
60) 70 three part Union copper to copper, size ¾-in.

Specifications obtainable from City Engineer.

SANTA CRUZ, Cal.—Until December 3, 9 A. M., bids will be received by Santa Cruz City Council, S. A. Evans, City Clerk, City Hall, Church Street, for furnishing:

(1) 250 lin. ft. 4-in. Class 150 cast iron pipe, bell and spigot joints;
(2) 10 4-in. double disc gate valves, hub ends with nuts to open to the right;
(3) 4 12-in. double disc gate valves, hub ends, with nuts to open to the right.

Pipe to be not less than 12-ft. lengths. Specifications obtainable from City Engineer.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal. — Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

November 23, 2 P. M.; BID No. 1488: F. o.b. East Bay shipping point of bidder and/or Los Angeles: (1) 2010 ft. C.M.P. culvert; (2) 70 band couplings.

November 26, 2 P. M.; BID No. 1487: F.o.b. bidder's shipping point and/or Government Island: (1) 20 cutting edges for La Plant-Choate trail builder.

Specifications obtainable from above office.

CALIFORNIA STATE

EUREKA, Cal.—Until November 30, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Avenue, Eureka, for the rental of two 3-yard dump trucks for approximately 1900 hours. The trucks are to be used under power shovels for hauling gravel, slide materials, etc., in District I, principally in Mendocina and Lake Counties.

Specifications obtainable from above office.

EUREKA, Cal.—Until November 30, 11 A. M., bids will be received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 West Wabash Avenue, Eureka, for the rental of two 3-yard dump trucks for approx. 1900 hours. The trucks are to be used under power shovels for hauling gravel, slide material, etc. in District I, principally in Humboldt and Del Norte Counties.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until Nov. 30, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing hospital beds, mattresses and pillows forthe Laguna Honda Home, San Francisco.

Specifications and proposal blanks may be obtained from above office.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and materials, as follows:

BLADES, notch blocks, steam shielding and material for turbines; East and West Yards. Sch. 3723; Nov. 23.

STEEL SHAPES; East & West Yards Sch. 3720; November 27.

OIL, 17,263 lbs. boiled linseed oil and 129,660 lbs. raw linseed iol; East or West Yards. Sch. 3727; Nov. 27.

GENERATORS, motor generators, controllers and spares; East and West Yards. Sch. 3733; Nov. 30.

TELEPHONE equipment and spares; East and West Yards. Sch. 3754; December 4.

LATHES, 1 motor-driven screw cutting lathe and spares; Mare Island. Sch. 3801; Dec. 4.

BLADES, hacksaw; Mare Island. Sch. 3765; December 4.

OIL, 60,000 lbs. raw tung oil; Mare Island. Sch. 3761; December 4.

NAPTHA, 8000 glas. coal tar naptha; Mare Island. Sch. 3760; Dec. 4.

SCRAPERS, 24 sets machinists' scrapers; Mare Island. Sch. 3759. December 4.

MACHINES, 40 floor polishing machines, electric; Mare Island. Sch. 3758; December 4.

Specifications obtainable from above office.

WAR DEPARTMENT

SAN FRANCISCO—Until December 17, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 928-35-111 for furnishing 2652 each rattan brooms. Delivery f.o.b. Fort Mason.

Specifications obtainable from above office.

SAN FRANCISCO—Until November 28, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Order No. 298-35-113, for furnishing 3000 ft. wrought iron welded, galvanized, standard weight, Class A pipe, in approximate 20 ft. lengths, threaded both ends.

Specifications obtainable from above office. Req. No. QM 928-3087-35; Memo 5343.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTEMPLATED

BURLINGAME, San Mateo Co., Cal.—City Engineer Chas. M. Thomas will Submit tentative plans to the city council shortly for construction of viaduct at Broadway intersection with Southern Pacific tracks to separate railroad and highway grades. Preliminary plans are for structure 1080 feet long and 50 feet wide. Estimated cost, $175,000.

PLANS APPROVED

SUTTER COUNTY, Cal.—The Board of Supervisors has approved plans and specifications and authorized construction of a concrete bridge across main drainage canal of Reclamation District 1500 on Ensley Road, 3 miles east of Knights Landing. Estimated cost, $7000. Road Commissioner Oscar Lanzendorf.

BIDS WANTED

CONTRA COSTA COUNTY, Cal.—Until November 28, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211, State Bldg., San Francisco, for the construction of a pedestrian subway in Pittsburg, Contra Costa County.

The work involves construction of a reinforced concrete pedestrian subway 8 feet wide, 7 feet high, and 61½ feet long, with stepped approaches, each 26 feet long. The work involves:

(1) 1 lot trees and fence removed and disposed of;
(2) 12 cu. yds. concrete removed and disposed of;
(3) 1 concrete catchbasin moved and reset;
(4) 535 cu. yds. structural excava.;
(5) 120 lin. ft. 6-in. vitrified clay pipe;
(6) 114 cu. yds. Class A Portland cement concrete in place (structures);
(7) 5 cu. yds. Class A Portland cement concrete in place (curbs and sidewalks);
(8) 11,500 lbs. bar einforcing steel in place;
(9) 350 lbs. sheet copper strips in place;
(10) 4 cast iron floor drains in place;
(11) 1 lot electrical equipment, complete in place;
(12) 1 automatic electric pump, complete in place;
(13) 122 lin. ft. ornamental iron fence in place;
(14) 32 tons asphaltic concrete in place.

Plans and specifications obtainable from above office.

CONTRACT AWARDED

WASHINGTON COUNTY, Idaho — C. F. Dinsmore & Co., Inc., Boise, at $42,160 submitted low bid and awarded contract by the Idaho State Bureau of Highways, October 26, for the construction of a 312-ft. concrete bridge across the Weiser River and grading and surfacing approaches on 0.189 mile of the Old Oregon Trail in Weiser, Washington County. Complete bids follow:

C. F. Dinsmore & Co., Inc., Boise, Idaho, $42,160.
Utah Construction Co., Ogden, Utah, $44,809.
Dan J. Cavanagh, Twin Falls, $46,000.
J. M. Sharp, Boise, $46,376.50.
Olof Nelson, Logan, Utah, $48,111.
Clifton & Applegate, Spokane, Wash., $49,676.50.
Triangle Construction Co., Boise, $49,691.50.
J. W. Brennan, Pocatello, $53,513.
J. J. Burke & Co., Salt Lake City, $56,987.40.
Engineer's Estimate, $47,557.

BIDS WANTED

EL DORADO COUNTY, Cal.—Until December 4, 2 P. M., bids will be received by the El Dorado County Bd. of Supervisors, Court House, Placerville, Arthur J. Keletzke, Clerk, for the construction of a reinforced concrete girder bridge over Deer Creek, near Latrobe, in Road Dist. No. 3, El Dorado County, and for clearing the ground for the reception of the bridge.

Plans and specifications obtainable from above office.

BIDS WANTED

FRESNO COUNTY, Cal.—Until December 12, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a steel beam bridge with concrete deck across Kings River, 1½ miles east of Centerville, consisting of one 70-ft. span, two 63-ft. and 62-ft. spans on concrete piers and abutments, and about 1.2 miles of roadway approaches to be graded and surfaced with bituminous treated crushed gravel or stone, all in Fresno County.

The work involves:

(1) 1 lot clearing and grubbing;
(2) 1,500 c.y. rdwy. excav., unclass.
(3) 1,000 sta. yds. overhaul;
(4) 6,000 c.y. selected material;
(5) 44,000 c.y. channel excavation;
(6) 300 c.y. structure excav. (piers);
(7) 1,200 c.y. structure excavation, (abutments, slope paving, etc.);
(8) 155 tons fuel oil;
(9) 19,250 sq. yds. preparing, mixing, and shaping roadbed;
(10) 2,350 tons crushed gravel or stone
(11) 120 tons cutback asph. road oil;
(12) 2,470 tons mixing cutback asph. road oil and crushed gravel or stone;
(13) 109 c.y. Class A Portland cement concrete (footing blocks);
(14) 463 c.y. do (structures);
(15) 105 c.y. do (slope paving);
(16) 57,900 lbs. bar reinf. steel;
(17) 234,000 lbs. structural steel;
(18) 692 l.f. timber railing;
(19) 14 each spillway assemblies;
(20) 82 l.f. 8-in. CMP;
(21) 430 l.f. 18-in. CMP;
(22) 206 l.f. 24-in. CMP;
(23) 76 l.f. 36-in. CMP;
(24) 2,500 M. gals. water;
(25) 200 each timber guide posts;
(26) 23 each culvert markers;
(27) 2.3 miles new property fence;
(28) 20 each fence gates;
(29) 65 stations finishing roadway;
(30) 22 each monuments;
(31) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

APPLICATION FILED

SHASTA COUNTY, Cal.—The State Department of Public Works has filed an application with the Railroad Commission for authority to construct a reinforced concrete overhead crossing in the City of Redding, crossing the tracks of the Southern Pacific Co.

The new structure is in the Trinity River lateral of the State Highway system and will replace timber trestle built in the days of horse-drawn traffic.

BIDS WANTED

PLUMAS COUNTY, Cal.—Until December 12, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a bridge across the North Fork of the Feather River at Tobin, Plumas County, consisting of one 290 ft. through steel truss span and two 35 ft. concrete box abutments.

The work involves:

(1) 450 c.y. structure excavation;
(2) 805 c.y. Class A Portland cement concrete;
(3) 59,000 lbs. bar reinforcing steel;
(4) 603,500 lbs. structural steel;
(5) 5,060 lbs. cast steel;
(6) 1 lot miscellaneous items of work.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is situated.

ESTIMATE FILED

SAN MATEO, Cal.—City Engineer J. F. Byxbee has filed a report with the city council estimating cost of widening Pope street crossing of San Francisquito Creek at $15,000. The city may apply for a PWA grant of 30% of labor-material cost.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

NEWPORT BAY, Calif. — Standard Dredging Co., 325 Central Bldg., Los Angeles, at $1,122,634.90 (Schedule 1) submitted low bid to the U. S. Engineer Office, Los Angeles, for dredging and rock removal in Newport Bay (Orange County). The work involves: (Schedule 1, for entire work):

(1) Sections A, B, C, D, and E, 8,482,000 c.y. dredging and depositing of all material except ledge rock.

(2) Sections A and E, 25,640 c.y. excavating and depositing ledge rock.

Complete bids follow:

Standard Dredging Co., Los Angeles, (1) 12.37c; (2) $6.70; total, $1,122,634.90.

Hydraulic Dredging Co., Oakland, (1) 12.83c; (2) $7.25; total, $1,167,595.

Engineer's estimate, (1) 8.85c; (2) $3.40; total, $788,364.07.

No bids were received on Schedule 2 for the work by sections.

Bids held under advisement.

November 19, 1934

PREPARING DESIGNS

SANTA MONICA, Cal.—George F. Nicholson, Consulting Harbor Engineer, and Howard B. Carter, City Engineer, are preparing designs for extensions to the present 2000-ft. breakwater to make a total length of more than one mile. The northwesterly end of the present breakwater would be extended 2000 ft. and the other end 1500 ft. This would provide anchorage for yachts up to 300 ft. in length. The design provides for a passenger pier 1,000 ft. long and 300 ft. wide, with a turning basin. Three plans are being considered, but Plan C (paralleling the shore) has been recommended by the Harbor Engineer. Under this plan the estimate calls for 640,000 tons of rock at $1.120,000, or $1.75 per ton; a groin opposite California Avenue costing $10,000; a landing pier at the end of this groin costing $16,350; a passenger pier 50 feet long and 300 ft. wide, and the rebuilding of the Santa Monica pier at a cost of $524,000; a transit shed 440 ft. long by 150 ft. wide, at a cost of $132,000, and dredging of 235,000 cu. ft. of sand at a cost of $141,000; total expense, $1,943,350 for a commercial and pleasure harbor providing 101.7 acres of sheltered water for this city.

BIDS OPENED

SEATTLE, Wash. — Puget Sound Bridge & Dredging Co., 2929 16th St., S. W., Seattle, at 15c per cubic yard, total $96,000 submitted low bid to the U. S. Engineer Office, Seattle, Nov. 15, for dredging 640,000 cu. yds. from the Duwamish Waterway. The other bids were:

Tacama Dredging Co., Tacoma, 15.2c per cu. yd., total $97,280.

General Constr. Co., Seattle, 16c per cu. yd., total $102,400.

Bids held under advisement. 2

BIDS OPENED

SEATTLE, Wash. — General Construction Co., 3840 Iowa St., Seattle, at 32c per cu. yd., total $8800 submitted low bid to the U. S. Engineer Office, Seattle, November 15, for dredging 27,500 cu. yds. from the East Waterway.

Puget Sound Bridge and Dredging Co., Seattle, at 40c per cu. yd., total $11,000 submitted the only other bid.

Bids held under advisement. 2

BIDS WANTED

COWLITZ RIVER, Wash. — Until November 27, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, Oregon, under Bid No. 35-288, for grading and riprapping with stone about 1,900 l.f. along the banks of Cowlitz River, between miles 1.8 and 7.8 above the mouth of said river.

Specifications obtainable from above office. 2

BIDS WANTED

GOVERNMENT ISLAND, Alameda Co., Cal.—Until December 13, 2 P. M. bids will be received by the U. S. Coast Guard, Washington, D. C., for the construction of a steel sheet pile bulkhead, approximately 1,528 feet in length; boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island, Oakland.

Healy-Tibbitts Const. Co., 64 Pine St., San Francisco, at $328,000 submitted the previous low bid last March.

Plans and specifications have been revised and are obtainable from the the Coast Guard Civil Engineer, Government Island.

BIDS WANTED

LOS ANGELES, Cal.—Until Nov. 26, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction of a pile and wire revetment on upper Los Angeles River in the vicinity of Barham Blvd. and Buena Vista Ave.

The work involves:

(1) 850 l.f. revetment;

(2) 2250 l.f. of revetment.

Samuel M. Fisher, Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board.

TO ASK BIDS

NEWPORT BEACH, Cal.—Newport Beach City Council has ordered bids for the wooden sheet pile bulkhead at Newport Beach entrance readvertised at a later date to give contracors additional time to figure the work. No bids were submitted November 19. The new date will be announced shortly. The bids will be taken on two types, viz.:

(1) 323 ft. Section "A' wooden bulkhead;

(2) 252 ft. Section "B" wooden bulkhead.

The work will involve:

(1) 65,000 bd. ft. 4x12 T & G creosoted sheet piling;

(2) 5400 bd. ft. 6x8 T & G creosoted sheet piling;

(3) 1100 lin. ft. 12-in. T & G creosoted piling.

R. L. Patterson is the City Engineer.

FLOOD DAMAGE

SACRAMENTO, Cal.—Floods near Colusa halted construction of the Butte Slough culvert type outfall gates under contract to S. H. Palmer, 414 Marke St., San Francisco, for the U. S. Engineer, Sacramento. Contractor reports no loss to equipment or to portions of contract completed, but work will be delayed indefinitely by high water.

23— IRRIGATION PROJ.

APPLICATIONS FILED

SACRAMENTO, Cal. —Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources during October, 1934:

8117 (Calaveras County) Comanche Gold Dredging Co., 530 Stock Exchange Bldg., Los Angeles, Calif., for 2 c. f. s. and 200 ac. ft. per annum from Mokelumne River, to be diverted for mining purposes.

8118 (San Luis Obispo County) City of San Luis Obispo, San Luis Obispo, Calif., for 2.32 c. f. .s and 1799 ac. ft. per annum from Lopez Creek tributary to Arroyo Grande Creek, to be diverted for municipal purposes. Est. cost, $600,000.

8119 (Siskiyou County) The California Oregon Power Co., 58 Sutter St., San Francisco, Calif., for 5.25 c. f. .s from Jenny Creek tributary to Klamath River. To be diverted for irrigation purposes on 401 acres. Est. cost $2,000.

8120 (Riverside County) Idyllwild Mountain Park Co., 731 Rives-Strong Bldg., Los Angeles, Calif., for 0.2 c. f. s. from Strawberry Creek tributary to San Jacinto River. To be diverted

8121 (Riverside County) Idyllwild for recrational purposes.

Mountain Park Co., Los Angeles, Calif., for 0.2 c. f. s. from East Fork of Strawberry Creek tributary to San Jacinto River. To be diverted for recreational purposes. Est. cost, $1250.

8122 (Siskiyou County) The Happy Camp Property Owners Association, Happy Camp, Calif., for 2 c. f. .s from Doolittle Creek tributary to Indian Creek. To be diverted for municipal purposes. Est. Cost, $12,000.

8123 (Lutu County) U. S. Tahoe National Forest, Nevada City, Calif., for 6000 gals. per day from a spring tributary to Woodruff Creek thence North Fork Yuba River. To be diverted for domestic purposes. Estimated cost $650.

8124 (San Diego County) Charles A. Kaul, Boluevard, Calif., for 360 gals. per day from an unnamed spring tributary to Carrizo Creek. To be diverted for domestic purposes. Estimated cost $60.

8125 (San Diego County) R. J. Stauch, 8805 5th Ave., Inglewood, Cal. for 1.5 c.f.s. from spring tributary to San Ysidro Creek. To be diverted for mining purposes. Est. cost, $500.

8126 (Nevada County) H. H. Taylor, 913 Russ Bldg., San Francisco, Calif., for 5000 ac. ft. per annum from South Fork of Middle Yuba River tributary to Middle Yuba River. To be diverted for mining purposes. Estimated cost, $127,000.

8127 (Trinity County) A. C. MacMillan, Trustee for Trinity Alps Mining Co., Weaverville, Calif., for 275 c. f. s. from Stewart Fork, Stoney Creek and Mule Creek tributary to Trinity River. To be diverted for mining purposes.

8128 (Inyo County) Charles G. Kibee, Jr., 625 First National Bank Bldg., Long Beach, Calif., for 200 gals. per day from an unnamed stream tributary to Rock Creek Lake. To be diverted for domestic purposes. Estimated cost $60.

8129 (Inyo County) Orville E. Yochem 282 Granada Ave., Long Beach, Calif., for 200 gals. per day from an unnamed stream tributary to Rock Creek Lake. To be diverted for domestic purposes. Est. cost, $60.

8130 (Sierra County) W. W. McLaughlin, Camptonville, Calif., for 3 c.f.s. from Cherokee Creek tributary to North Yuba River. To be diverted for power purposes. 28 T.H.P. to be developed. Est. Cost, $900.

8131 (Sierra County) W. W. McLaughlin, Camptonville, Calif., for 0.10 c. f. s. from Cherokee Creek tributary to North Yuba River. To be diverted for mining and domestic purposes. Est. Cost, $900.

8132 (Siskiyou County) U. S. Shasta National Forest, Mt. Shasta, Calif., for 25,000 gals. per day from Cold Springs tributary to Ash Creek, thence McCloud River. To be diverted for irrigation, domestic and fire control purposes; two acres irrigated. Estimated cost, $10,000.

8133 (Siskiyou County) Virginia L. and Harry Thralls, R. S. Meyer and A. A. Riches, Somes Bar, Calif., for 25 c. f. s. from Carpo Creek tributary to Salmon River. To be diverted for mining purposes.

8134 (Siskiyou County) F. E. Stewart, Somes Bar, Calif., for 10 c. f. s. from Rogers Creek tributary to Klamath River. To be diverted for mining and domestic purposes. Estimated cost $100.

8135 (Lake County) Division of Highways, Sacramento, Calif., for 10,000 gals. per day from unnamed spring tributary to Clear Lake. To be diverted for recreational purposes. Estimated cost $20.

8136 (Santa Barbara County) Geo. O. Knapp, Santa Barbara, Calif., for 7200 gals. per day from a spring tributary to Santa Ynez River. To be

diverted for domestic purposes. Est. cost, $1600.

8137 (Tulare County)U. S. Sequoia National Forest, Porterville, Calif., for 1400 gals. per day from Nelson Fork of Middle Tule River tributary to Tule River. To be diverted for domestic and fire protection purposes. Est. Cost, $500.

8138 (Sierra County) Jas. Sweeney, Alleghany, Calif., for 3 c. f. s. from a spring tributary to Kanaka Creek. To be diverted for mining and domestic purposes.

8139 (Siskiyou County) Happy Camp Property Owners' Association, Happy Camp, Cal., for 1 c. f. .s. from Elk Creek tributary to Klamath River To be diverted for municipal purposes. Est. cost, $15,000.

8140 (Siskiyou County) Happy Camp Property Owners Assn., Happy Camp, Calif., for 2 c. f. .s from Elk Creek tributary to Klamath River. To be diverted for power purposes. 18 T.H.P. to be developed. Estimated cost, $15,000.

8141 (Yolo County) Horace L. Hill, Jr., Los Altos, Calif., for 5 c. f. .s. from Sacramento River tributary to Suisun Bay. To be diverted for irrigation purposes on 365 acres.

8142 (Siskiyou County)O. E. Chaney Reno, Nevada, for 38 c. f. .s from 9 streams tributary to Klamath River. To be diverted for mining purposes. Estimated cost $35,000.

8143 (Amador County) Raymond Silva, 2216 22nd St., Sacramento, Cal., for 270,000 ac. ft. per annum from Cosumnes River tributary to Mokelumne River. To be diverted for municipal purposes. Est. cost, $5,700,000

8144 (Amador County) Raymond Silva, Sacramento, Calif., for 270,000 ac ft. per annum from Cosumnes River tributary to Mokelumne River. To be diverted for power purposes.

8145 (Inyo County) U. S. Inyo National Forest, Bishop, Calif., for 800 gals. per day from South Fork of Bishop Creek tributary to Owens River. To be diverted for domestic purposes. Est. cost, $100.

8146 (Siskiyou County) George M. Cuthbert, 900 Victoria Ave., Los Angeles, Calif., for 75 c. f. .s from Girder Creek, tributary to Klamath River. To be diverted for mining and domestic purposes. Est. cost, $10,000. $10,000.

8147 (Plumas County) E. A. Heffler, Meadow Valley, Calif., for 3 c. f. .s from 2 unnamed streams tributary to Middle Fork Feather River. To be diverted for mining and domestic purposes. Est. cost, $1500.

8148 (Siskiyou County) R. L. Younger, Forks of Salmon, Calif., for 20 c. f. s. from somes Creek tributary to Salmon River. To be diverted for mining purposes. Est. cost, $4500.

23

CONTRACT AWARDED

TURLOCK, Cal.—Ed Erickson, Box 744, Route 4, Modesto, at $10,816.91 submitted low bid and awarded contract by the Turlock Irrigation Dist Directors for concrete lining of canal in improvement distict No. 73. Only other bid received submitted by John Kristich, Knightsen, at $11,682.28.

EXPENDITURE APPROVED

YAKIMA, Washington—Approval of an expenditure of $915,000 was recently given at a conference of Indian Service Officials, held in Salt Lake City, Utah, for projects for the Yakima Indian Reservation, Washington, for which funds will be sought from future PWA appropriations. A list of the proposed projects follow:

Toppenish Creek drain, reclaiming 1700 acres of land, estimated cost, $200,000.

Completion of unit No. 2, 3600 acres, estimated cost $360,000.

Construction of sub-drains, estimated cost, $125,000.

New water gates, estimated cost, $125 000.

Enlarging laterals, estimated cost, $35,000

Drainage pumps, estimated cost, $60,000.

Headquarters building, estimated cost, $15,000.

Construction of the sub-drain will be given preference as there is special need for that work, Irsfield reports.

24—STREET LIGHTING SYSTEM

BIDS WANTED

HAMILTON FIELD, Marin Co., Cal. —Until December 4, 11 A. M., bids will be received by the Constructing Quartermaster, Hamilton Field, under Order No. 6754-35-9, for the installation of a night lighting system at Hamilton Field.

Plans and specifications obtainable from the above office upon deposit of $5.00, and on file at the Constructing Quartermaster's Office, Fort Mason, San Francisco.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing thirty pumps and motors and pump houses, for the San Carlos Project, F.P. 261, Coolidge, Arizona, were opened by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, November 13. Bids were taken as follows:

(1) Pumps and motors;
(2) Pumps only.

Complete bids follow:

Peerless Pump Co., (1) $709,450.80;)(2 $250,305.80.

Pomona Pump Co., (1) $728,264.20; (2) $251,414.30.

Kimball - Krogh, (1) $729,548.80; (2) $252,758.80.

Byron Jackson Co., (1) $732,777.80; (2) $250,507.80.

Layne & Bowler, (1) $744,868.80; (2) $252,758.80.

Fairbanks-Morse, (1) $758,798.80; (2) $252,758.80.

Each bidder bid $100 each; total price $3000 for furnishing thirty pump houses. 5

BIDS OPENED

OAKLAND Cal. — Ira G. Perin, 200 Davis St., San Francisco, at $2305 submitted low bid to Oakland Port Commission for furnishing one 3-ton lift truck. The other bids were:

Mercury Mfg. Co., $2895; Clark Truck Tractor Co., $2428.29, Alt. $2147.59.

CONTRACT AWARDED

PORTERVILLE, Cal.—T. N. Spear, 616 N. Main St., Porterville, at $5,444 plus two White busses traded in, and plus tax, awarded contract by Board of Trustees of the Porterville Union High School District. Boyd B. Kreider, Clerk, for furnishing two new school busses.

BIDS OPENED

SAN FRANCISCO.—Following bids received by the U. S. Forest Service, 85 Second St., for furnishing 13 truck trailer units complete with full oscillating fifth wheel, tandom axles and wheels, air actuated mechanical brakes, etc: (1) each; (2) total.

Spears Wells Machinery Co., Oakland, (1) $4,181; (2) $54,353.

MacDonald Truck & Mfg. Co., Inc., San Francisco, (1) $4,783.92; (2) $62,-190.96.

Transportation Equipment Co. Oakland, (1) $4,260; (2) $55,380.

Cochran & Celli, Oakland, (1) $3,-253.86; (2) $42,300.18.

Langlais Bros., Los Angeles, (1) $2,828; (2) $36,764 (net, including the trucks).

Wentworth & Irwin, Portland, (1) $3,943.16; (2) $51,261.08.

Isaacson Iron Works, Seattle, (1) $3,775, Chevrolet truck; $3,775, Ford truck; $3,772, Indiana truck.

Bids held under advisement.

CONTRACTS AWARDED

LOS ANGELES, Cal.—Contracts for electrical equipment were awarded by the Board of Directors of the Metropolitan Water District, Los Angeles, November 16, as follows:

Wagner Electric Co., Ten 50-kva. transformers at $7890, and twenty 100 kva. transformers at $19,720, both fob Rice. Options under both items were also accepted by the Board. Complete bids published October 25.

Okonite Co., by L. B. Marsh of Long Beach, 20,000 ft. of 2300-volt, 3-conductor, armored cable at $26,160, fob India.

CONTRACT AWARDED

SAN FRANCISCO—Austin Western Road Machinery Co., 435 Brannan St., at $4,465 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1274, for furnishing one tandem roller for the Department of Public Works.

CONTRACT AWARDED

LOS ANGELES, Cal. — Commercial Shearing & Stamping Co., Youngstown, Ohio, at $42,360 awarded contract by the Metropolitan Water District, Los Angeles, for furnishing sructural steel I-beam ribs, splice plates and base plates for tunnel support complete with bolts and nuts, under Spec. No. M-2030.

PROSPECTIVE BIDDERS

LUALUALEI, T. H.—Following are additional plan-holders for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, T. H., under Spec. No. 7801, for which bids will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 27, 11 A. M., as previously reported:

Superior Ion Works, Superior, Wis.

Stephens-Adams Mfg. Co., Aurora, Illinois.

S. Flory Mfg. Co., P. O. Box 8, Bangor, Maine.

PROSPECTIVE BIDDERS

SUMMIT, Canal Zone — Following are additional plan-holders for the construction of motor and hand operated winches for antennas at the Naval Radio Station, Summit, Canal Zone, under Spec. 7800, for which bids will be opened by the Bureau of Yards and Docks, Navy Department, Washington, D. C., November 28, 11 A. M., as previously reported:

Clyde Sales Co., Duluth, Minn.

Superior Iron Works Co., Superior, Wisconsin.

Century Electric Co., 1806 Pine St., St. Louis, Mo.

R. W. Kaltenbach Corp., Cleveland.

S. Flory Mfg. Co., Bangor, Main.

Stephens - Adamson Mfg. Co., Aprora, Illinois

CONTRACT AWARDED

OAKLAND, Cal.—Ira G. Perin, 200 Davis St., San Francisco, at $2305 awarded contract by the Oakland City Port Commission for furnishing one 3-ton lift truck.

CONTRACTS AWARDED

LOS ANGELES, Cal. — Contracts have been awarded as follows by Los Angeles Board of Education Purchas-

ing Bureau, 1445 S. San Pedro St., for the rental of equipment:

Julian Cangelosi—Eight 5-ton dump trucks for approx. 1400 hours at $1.84 per hour; Bid No. 1682-A.

Western Trucking Co. — Six 5-ton dump trucks, 4-yd. water level body, for approx. 602 hours, at $1.85 per hour. Bid No. 1397-A.

Nick Perscallo — Eighh 5-ton dump trucks, 4-yd. water level body, for approx. 1375 hours at $1.78 per hour. Bid No. 1402-A.

Julian Cangelosi — Six 5-ton dump trucks, 4-yd. water level body, for approx 400 hours at $1.84 per hour. Bid No. 1410-A.

Nick Perscallo—Twelve 5-ton dump trucks, 4-yd. water level body, for approx. 1771 hours at $1.79 per hour. Bid No. 1413-A.

Western Trucking Co., Inc.—Six 5-ton dump trucks, 4-yd. water level body for approx. 700 hours at $1.85 per hour. Bid No. 1679-A.

Western Trucking Co., Inc.—Ten 5-ton dump trucks, 4-yd. water level body, for approx. 1600 hours at $1.85 per hour. Bid No. 1685-A.

Smith Bros. Truck Co. — One 5-ton truck crane for approx. 160 hours, at $7 per hour. Bid No. 1401-A.

Wyco Crane Service Co. — One 5-ton truck crane for approx. 70 hours, at $7 per hour. Bid No. 1409-A.

Wayco Crane Service Co.—One 5-ton truck crane for approx. 88 hours, at $7 per hour. Bid No. 1398-A.

Pacific Crane & Rigging Co.—One 5-ton truck crane for approx. 180 hours, at $7 per hour. Bid No. 1686-A.

Kiss Crane Service—Two 5-ton truck cranes for approx. 160 hours, at $7 per hour. Bid No. 1412-A.

Jack Pryor — One 5-ton Caterpillar type crane for approx. 200 hours, at $5.50 per hour. Bid No. 1683-A.

Jack Pryor—One 5-ton truck crane or Caterpillar crane for approx. 48 hours, at $6.50 per hour. Bid No. 1680-A.

26— RAILROADS

FUNDS ASKED

SAN FRANCISCO—E. G. Cahill, Manager, Public Utilities, has requested $25,000 special appropriation from Board of Supervisors to finance survey of bay bridge terminal facilities and connecting rapid transit system.

30—RESERVOIRS & DAMS

November 16, 1934

PREPARING SPECIFICATIONS

LOS ANGELES, Cal. — Samuel M. Fisher, County Flood Control Engineer, has been authorized by the Los Angeles County Board of Supervisors to prepare new specifications for San Gabriel Dam No. 1 redesigning the dam to permit the use of smaller rock than is available under the present specifications. The Board further ordered all work on the dam proper shut down for 120 days pending completion and approval of the plans. Construction of the spillway and diversion tunnels will continue. The shut down will not abrogate the contract, although the contractors claim damages to the extent of $50,000 a month. A friendly test suit is planned. In the event that the State Engineer or Court should refuse to approve the revised design, it will be necessary to open a new quarry, 11 miles from the dam, in which case, Chief Engineer Fisher estimates the extra cost to the county at more than $7,000,000.

APPLICATION MADE

PHOENIX, Ariz. — The Salt River Valley Water Users' Association has announced that application has been made for a PWA government loan of $6,000,000 for the purpose of constructing a storage dam on the Verde river and for the repair of spillways and dams on the Salt River. The proposed dam, as planned, will be a concrete arch dam, 300 ft. in height. The cost of this structure is estimated at $4,000,000. The balance of the proposed loan will be used for repair and completion of spillways and dams on the Salt River, the rehabilitation of the power canal, and other works to complete the project. Louis C. Hill of Quinton, Code, Hill, Leeds & Barnard is the consulting engineer in charge. Lin B. Orme is president of the association.

TO ASK BIDS

SANTA CLARA COUNTY, Calif.—Bids probably will be asked within one week, to be opened about Dec. 10, by the Santa Clara Valley Water Conservation District, Grant Bldg., San Jose, for construction of Almaden Dam, Almaden Spillway, Almaden-Calero Conduit, Calero Dam, Calero Auxiliary Dam and Calero Spillway, with appurtenant works. The dams are earth-fill type with upstream face concrete paved. Almaden Dam will have a crest length of about 500 feet and a maximum elevation of 90 feet. Estimated cost $214,000. Calero Dam will be 900 feet wide at the crest with a maximum height of 93 feet. Estimated cost $339,000.

The conduit extends between the two dams a distance of about 4.5 mi. The work is located about 10 miles from San Jose. Almaden Damsite is on Alamitos or Almaden Creek, a tributary of Guadalupe Creek, about one mile upstream from the town of New Almaden. Calero Damsite is on Calero Creek, a tributary of Alamitos Creek.

Bids will be taken as follows:

I—Almaden Dam and Spillway

(1) 9 500 c.y. stripping for foundation;
(2) 107,500 c.y. spillway excavation, including sorting and compact-in dam;
(3) 137,000 c.y. embankment except from spillway excavation in dam;
(4) 825 c.y. concrete in outlet works;
(5) 88,000 sq. ft. concrete facing on the dam;
(6) 53,000 sq. ft. concrete lining in spillway;
(7) 260,000 lbs. reinf. steel in place;
(8) 4,500 lbs struc. steel in place;
(9) 690 l.f. 36-in. steel outlet pipe in place;
(10) 500 l.f. 12-in. corru. culvert;
(11) 2,500 l.f. 12-in. half-round drain tile in place;
(12) installation in place in outlet works of one sluice gate, one cast iron reducer, two butterfly valves and their appurtenances, all furnished by the district;
(13) 1 bronze tablet furnished and installed complete.

II—Almaden-Calero Conduit

(14) 75,000 c.y. canal excavation, Sta. 0 plus 85 to Sta. 91 plus 80;
(15) 11,500 c.y. do, Sta. 91 plus 80 ti Sta. 120 plus 25;
(16) 5,000 c.y. do, Sta. 120 plus 25 to Sta. 136 plus 00.
(17) 31,500 c.y. do, Sta. 136 plus 00 to Sta. 142 plus 60.
(18) 45,000 c.y. do, Sta. 142 plus 60 to Sta. 233 plus 40.
(19) 1,000 c.y. excav. for misc. struc.
(20) 240 c.y. concrete in do;
(21) 1,550 l.f. 48-in. concrete pipe in place;
(22) 600 l.f. 36-in. do;
(23) two wasteway radial gates complete in place;
(24) 35,000 lbs. reinf. steel in place in misc. struc.;
(25) 8,500 lbs. structural steel do;
(26) four farm bridges.

III—Calero Dams and Spillway

(27) 25,000 c.y. stripping for foundation;
(28) 50,000 c.y. spillway excavation, including sorting and compact-in dam;
(29) 492,000 c.y. embankment except from spillway excavation in dam;
(30) 950 c.y. concrete in outlet works, spillway weir and sill;
(31) 185,000 sq. ft. concrete facing on the dam;
(32) 48,000 sq. ft. concrete lining in spillway;
(33) 340,000 lbs. reinf. steel in place;
(34) 3,500 lbs. structural steel in place
(35) 450 l.f. 36-in. outlet pipe in place;
(36) Installation in place in the outlet works of one sluice gate, one butterfly valve, one cast iron reducer and their appurtenances, all furnished by the district;
(37) 1 bronze tablet furnished and installed;
(38) premium on 50% surety and 10% performance bonds.

The district will furnish the following items to be installed by the contractor:

(1) two 42-in. hydraulically operated sluice gates;
(2) two 36x42-inch cast iron special casting flanged reducers for outlet pipes;
(3) 3 30-in. flanged butterfly valves;
(4) 3 30-inch flanged steel discharge pipes;
(5) all necessary fittings.

Call for bids will be issued as soon as minor changes in the contract form have been approved by Clifton E Hickok, Northern California District Engineer of the PWA.

Specifications and drawings will be available on deposit of $20 from Chief Engineer Fred H. Tibbitts, 1320 Alaska Commercial Bldg., San Francisco.

TO ASK BIDS

SANTA CLARA COUNTY, Cal.—Bids will be asked shortly by the Santa Clara Valley Water Conservation District, Grant Bldg., San Jose, for construction of Stevens Creek Dam and Spillway. The dam will be an earth-fill structure with concrete facing on the upstream side, 600 feet long at the crest, the maximum height 100 feet. Estimated cost, $412,000. Bids will be taken as follows:

(1) 3000 cu. yds. stripping for foundations;
(2) 122,000 cu. yds. spillway excavation including sorting and compacting dam;
(3) 410,000 cu. yds. embankment except from spillway excavation in place in dam;
(4) 1000 cu. yds. concrete in outlet works, spillway weir and sill;
(5) 165,000 sp. ft. concrete facing on the dam;
(6) 73,000 sq. ft. concrete lining in spillway;
(7) 380,000 lbs. reinforcing steel in place;
(8) 5500 lbs. structural steel in place
(9) 635 lin. ft. 50-in. outlet in place;
(10) Installation in outet works of two sluice gates, two cast iron reducers, two butterfly valves & two discharge pipes, all furnished by the District;
(11) 1 bronze tablet furnished and installed complete;
(12) Premium on 50% surety and 100% performance bonds.

Specifications and drawings are being prepared by Chief Engineer Fred H. Tibbetts, 1320 Alaska Commercial Bldg., San Francisco, and will be available from his office upon deposit of $20.

31—PIPE LINES & WELLS

CONTRACT AWARDED

VENTURA, Cal.—Roscoe Moss Co., 4360 Worth St., Los Angeles, at $6,526.27 submitted low bid to the Ventura City Council, November 13, and awarded contract for the drilling of a gravel envelope type water well to a depth of approximately 700 ft. The well is to be drilled on city property located on the west side of South Seward Ave. at the foot of the bluffs facing the ocean adjacent to the east boundary line of the City of San Buenaventura. The bids were:

Roscoe Moss Co., Los Angeles, (1) 700 ft. well, $6526.27; average cost per ft., $9.32; (2) 1000 ft. well, $8518.32 average cost per ft, $8.52.

Western Well Drilling Co., San Jose, (1) $8910.25; $12.73; (2) $11,063.50; $11.06.

Harry Crinklaw, (1) $9962.40; $14.23; (2) $12,539.15; $12.54.

BIDS REJECTED

LOS ANGELES, Cal.—All bids for the construction of two welded steel siphons and appurtenant works of the Colorado Aqueduct, between Stations 9289 plus 29 and 9961 plus 80, opened by the Metropolitan Water District, October 31, were rejected November 16. The schedule, previously known as No. 188, was ordered readvertised.

Western Pipe & Steel Co. was the low bidder on the previous opening at $596,838.78.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Calif.—Contractors and others who have procured plans for constructing the Monrovia Nos. 1, 2, and 3, and Pasadena tunnels and appurtenant works, in accordance with Spec. No. 77, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 17, 10 A. M., previously reported, are:

R. G. Whinery, 398 Loma Drive, Los Angeles.

Heuser & Garnett, 816 Allen Ave., Glendale.

Worthington Co., 5075 Santa Fe Ave. Los Angeles.

West Const. Co., Whitewater, Cal.

V. R. Dennis Const. Co., Box F, Station A, San Diego.

Surety Underwiters Assn. of Southern California, 1212 Bank of America Bldg., Los Angeles.

Shofner & Gordon, 1831 N Main St., Los Angeles.

Hercules Powder Co., 1010 Fidelity Bldg., Los Angeles.

Apache Powder Co., 426 S. Hill St., Los Angeles.

Macco Corp., 815 Paramount Blvd., Clearwater.

Ingersoll-Rand Co., 1460 E 4th St., Los Angeles.

Griffith Co., Los Angeles Railway Bldg., Los Angeles.

Winston Bros. Co., Title Guarantee Bldg., Los Angeles.

L. E. Dixon Co., 609 S. Grand, Los Angeles.

Herbert M. Baruch Corp., 625 South Olive St., Los Angeles.

Goodman Mfg. Co., 316 E Third St., Los Angeles.

Morrison-Knudsen Co., Title Guarantee Bldg., Los Angeles.

Koppel Industrial Car & Equipment Co., 411 W. Fifth St., Los Angeles.

Walsh Const. Co., 904 Chester Williams Bldg., Los Angeles.

L. M. Larson, 318 N. Mariposa and Claremont Hotel, Berkeley.

Blue Diamond Corp., 1650 S. Alameda St., Los Angeles.

Swett & Crawford, 621 S. Hope St. Los Angeles.

J. F. Shea Co., Inc., Mecca.

Kemper Const. Co., 3701 S. Overland Ave., Los Angeles.

Consolidated Rock Products Co. 2730 S. Alameda St., Los Angeles.

Gardner-Denver Co., 845 E. 61st St., Los Angeles.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Calif.—Contractors and others who have procured plans for constructing monolithic concrete siphons, cut-and-cover concrete conduit and appurtenant works of the Colorado River Aqueduct, in accordance with Spec. No. 82 (readvertisement) bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 4, 10 A. M., as previously reported, are:

A. Teichert & Sons, 1846 37th St., Sacramento.

Mundo Engr. Co., 2301 E 9th St., Los Angeles.

Griffith Co., Los Angelea Railway Bldg., Los Angeles.

V. R. Dennis Const. Co., Box F, Station A, San Diego.

Shofner & Gordon, 1831 N Main St., Los Angeles.

Herbert M. Baruch Corp., 625 South Olive St., Los Angeles.

BIDS OPENED

LA MESA, Cal.—American Concrete & Steel Pipe Co., 4635 Firestone Blvd., South Gate, at $54,717.40 submitted low bid to La Mesa, Spring Valley and Lemon Grove Irrigation District, La Mesa, November 17, for constructing concrete and steel pipe lines appurtenant to and incidental to the main pipe line. The other bids were:

V. R. Dennis Constr. Co., San Diego, $63,490.10.

Pacific Crane & Rigging, Inc., $64,273.40.

Walter Trepte, San Diego, $68,647.02.

The bids were referred to the PWA Engineer for analysis and rcommendation.

C. Harritt, general manager and chief engineer.

November 19, 1934

BIDS WANTED

RIVERSIDE COUNTY, Cal.—Until December 4, 10 A. M., as previously reported, bids will be received by the Mtropolitan Water District, 306 West Third St., Los Angeles, for constructing monolithic concrete siphons, cut and cover concrete conduit, and appurtenant works of the Colorado River Aqueduct Station 10812+65 to 12122+00, in accordance with Specifications No. 82. The work is located in Riverside County and comprises approximately 12.8 miles of aqueduct construction between a point about 2 mi. north of the city of San Jacinto, Cal., located on the A. T. & S. F. Ry., and a point about 10 miles south of the city of Riverside. The work has been divided into schedules as follows:

Schedule Group Number	Lengths in Miles Conduit	Siphons	Outlet Channels	Total
20K	.....	1.48	.....	1.48
21	.....	2.76	.....	2.76
22	.....	1.37	.....	1.37
23	6.28	.....	0.91	7.19
Total	6.28	5.61	0.91	12.80

The outlet channel is to have a bottom width of approximately 25 ft. The conduit is to be of semi-elliptical section with heights of about 15.4 ft. Siphons are to be monolithic (cast in place) construction with diameters of about 12.3 ft. Specifications may be obtained from the engineering department, Room 1007, 306 W. Third St., Los Angeles. Note: the previous bids on these schedules, opened Oct. 31, were rejected Nov. 9.

Th schedules and items follow:

SCHEDULE 20A

Construction of one portion of a circular siphon and appurtenant works between Stations 10812+65 and 10987+00. Diameter 12 ft. 4-in.; total length 143 feet.

(1) 9000 cu. yds. excav. for siphon—common;
(2) 1000 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 5 cu. yds. excav. for atructures—common;
(6) and (7) Do not apply here;
(8) 1000 cu. yds. backfill for siphon;
(9) to (11) Do not apply here;
(12) 160 cu. yds. concrete in siphon;
(13) 220 cu. yds. concrete in struc.—reinforced;
(14) to (16) Do not apply here;
(17) 20,000 lbs. placing reinf. steel in siphon;
(18) 30,000 lbs. placing reinf. steel in structures;
(19) to (29) Do not apply here;
(30) 1100 lbs. placing hand railings;
(31) Does not apply here;
(32) 100 ton-miles hauling steel;
(33) 300 ton-miles hauling cement.

SCHEDULE 20B

Construction of one portion of a circular siphon and appurtenntnt works between Stations 10812+65 and 10987+00. Diameter 12 ft. 4 in.; length 658 feet.

(1) 17,000 cu. yds. excav. for siphon—common;
(2) 500 cu. yds. excav. for siphon—rock;
(3) to (7) Do not apply here;
(8) 5000 cu. yds. backfill for siphon;
(9) 600 cu. yds. compacted backfill for structures;
(10) to (11) Do not apply here;
(12) 1250 cu. yds. concrete in siphon;
(13) Does not apply here;
(14) 40 cu. yds. concrete in structures—plain;
(15) to (16) Do not apply here;
(17) 150,000 lbs. placing reinf. steel in siphon;
(18) to (31 Do not apply here;
(33) 1000 ton-miles hauling cement.
(33) 1000 tin-mile hauling cement.

SCHEDULE 20C

Construction of a circular monolithic siphon and appurtenant works, between Stations 10812+65 and 10987+00. Siphon diameter 12 ft. 4 in.; total length 7000 feet.

(1) 110,000 cu. yds. excav. for siphon—common;
(2) to (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon
(9) 700 cu. yds. compacted backfill for structures;
(10) to (11) Do not apply here;
(12) 13,600 cu. yds. concrete in siphons
(13) 15 cu. yds. concrete in structures—reinforced;
(14) 70 cu. yds. concrete in structures—plain;
(15) and (16) Do not apply here;
(17) 2,000,000 lbs. placing reinf. steel in siphon;
(18) 2000 lbs. placing reinf. steel in structures;
(19) and (20) Do not apply here;
(21) 6000 lbs. installing misc. steel work;
(22) to (31) Do not apply here;
(32) 5000 ton-miles hauling steel;
(33) 15,000 ton-miles hauling cement.

SCHEDULE 21

Construction of three circular monolithic siphons and appurtenant works between Stations 11128+75 and 11431+25. Diameter 12 ft. 4 in.; total length 14,585 feet.

(1) 242,000 cu. yds. excavation for siphons—Common;
(2) 1200 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 125 cu. yds. excav. for structures common;
(6) 15 cu. yds. excav. for structures, rock;
(7) 1500 cu. yds. grading for railroad
(8) 150,000 cu. yds. backfill for siphons;
(9) 2500 cu. yds. compacted backfill for structures;

(10) and (11) Do not apply here;
(12) 26,650 cu. yds. concrete in siphons;
(13) 1275 cu. yds. concrete in structures, reinforced;
(14) 505 cu. yds. concrete in structures, plain;
(15) and (16) Do not apply here;
(17) 4,000,000 lbs. placing reinf. steel in siphons;
(18) 160,000 lbs. placing reinf. steel in structures;
(19) and (20) Do not apply here;
(21) 40,000 lbs. installing miscellaneous metal work;
(22) to (29) Do not apply here;
(30) 6600 lbs. placing handrailing;
(31) Does not apply here;
(32) 2500 ton-miles hauling steel;
(33) 8000 ton-miles hauling cement;

SCHEDULE 22

Construction of one circular monolithic siphon and appurtenant works, between Stations 11551+99 and 11623 +25: Siphon diameter 12 ft. 4 inches; total length 7225 feet.

(1) 110,000 cu. yds. excav. for siphon, common;
(2) 500 cu. yds. excavation for siphon rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures, common;
(6) and (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon
(9) to (11) Do not apply here;
(12) 12,760 cu. yds. concrete in siphon
(13) 450 cu. yds. concrete in structures, reinf.; structures;
(19) and (20 Do not apply here;
(21) 16,000 lbs. installing miscellaneous metal work;
(22) to (29) Do not apply here;
(30) 2200 lbs. placing hand railings;
(31) Does not apply here;
(32) 2000 ton-miles hauling steel;
(33) 7500 ton-miles hauling cement.

SCHEDULE 23

Construction of cut-and-cover conduit and appurtenant works, between Stations 11074 + 25 and 12122 + 60; length 33,161 feet.

(1) 1,225,000 cu. yds. excav. for conduit, common;
(2) 38,000 cu. yds. excav. for conduit rock;
(3) and (4) Do not apply here;
(5) 80 cu. yds. excav. for structures, common;
(6) and (7) Do not apply here;
(8 775,000 cu. yds. backfill for conduit;
(9 10,000 cu. yds. compacted backfill for sctructures;
(10 and (11 Do not apply here;
(12 131,000 cu. yds. concrete in conduit;
(13) 60 cu. yds. concrete in structures, reinf.;
(14) 210 cu. yds. concrete in structures, plain;
(15) and (16) Do not apply here;
(17) 500,000 lbs. placing reinf. steel in conduit;
(18) 10,000 lbs. placing reinf. steel in structures;
(19) 117,000 lbs. placing metal for construction joints;
(20) 214,000 lbs. placing metal for dummy joints;
(21) 8000 lbs. installing miscellaneous metal work;
(22) to (30) Do not apply here;
(31) 1530 lin. ft. laying 8-in. drain pipe;
(32) 1000 ton-mile hauling steel;
(33) 70,000 ton-mile hauling cement.

31

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until December 17, 10 A. M., as previously reported, bids will be received by the Metropolitan Water District, 306 West Third St., Los Angeles, for constructing the Monrovia Nos. 1, 2 and 3 and Pasadena tunnels and appurtentnt works in accordance with Specifications No. 77. The Monrovia tunnels are located in the San Gabriel mountains, 8 to 14 miles east of the City af Pasadena; and the Pasadena tunnel is located principally along Mountain St. in the City of Pasadena, with the east portal near Hill St. and the west portal near the intersection of Winona and Blake Aves., all in Los Angeles County. The work consists of the excavating and lining of four circular water-supply tunnels, having interior diameters of 10 ft. and has been divided into schedules as follows:

Schedule No. 1—Monrovia Nos. 1 and 2 Tunnels, 1.67 miles.
Schedule No. 2—Monrovia No. 3 Tunnel, 6.08 miles.
Schedule No. 3—Pasadena Tunnel, 2.30 miles.

The work involves:

SCHEDULE NO. 1

Construction of Monrovia Nos. 1 and 2 tunnels and appurtenant works. Tunnel lengths 7865 and 940 feet, respectively:

(1) does not apply here;
(2) 1700 cu. yds. excavation in approach cut;
(3) 46,000 cu. yds. excav. in tunnel and air vent;
(4) 100 cu. yds. excav. for tunnel and air vent enlargement;
(5) 18,000 cu. yds. concrete in tunnel and air vent;
(6) 300 tons erecting steel support in tunnel;
(7) 200 MFBM furnishing and placing permanent timbers in tunnel and air vent;
(8) 500 cu. yds. Gunite coating of rock in tunnel and air vent;
(9) 4000 lin. ft. drilling grout holes;
(10) 1000 connections for grouting;
(11) 400 cu. yds. mixing and placing grout;
(12) 1,000,000 lbs. placing reinf. steel;

BIDS WANTED — UNIVERSITY MOUND PIPE LINE

SAN FRANCISCO.—Until Dec. 5, 3 P. M., bids will be received by the Public Utilities Commission, Room 287, City Hall, for laying the University Mound Pipe Line Completion from Brannan Street to Broadway in San Francisco, under Spec. No. W. D. 65, Revised.

The work includes installation of approximately 6,800 feet of 36-inch, pipe and 6,900 feet of 30-inch pipe. The installation of the 36-in. pipe is covered under Section "A" of the bid sheet and includes removal and reconditioning of approximately 5,640 ft. of 36-inch pipe from the Newark-San Lorenzo pipe line, the lining and coating of approximately 1,160 feet of new 36-inch pipe to be furnished by the City at the South San Francisco plant of the Western Pipe & Steel Co., and the transportation and installation of all of said pipe in the required locations.

The furnishing and installing of the 30-in. pipe is covered under Section "B" of the bid sheet.

The entire work under Section "A" shall be completed within 175 calendar days; Section "B", 182 days; if Sections "A" and "B" are awarded to one contractor, 275 days for both.

The work is financed in part by Federal PWA funds and will be subject to PWA regulations.

Bids will be received as follows:

	Sect. "A"	Sect. "B"	Sections "A" & "B"
(1) Removal and delivery of 36-inch pipe from Newark-San Lorenzo pipe line to San Francisco	5,640	.....	5,640 lin. ft.
(2) Removal of lining and coating from 36-inch diameter pipe	5,640	.....	5,640 lin. ft.
(3) Repairing holes in 36-in. diameter pipe	7	.....	7 holes
(4) Relining and recoating 36-in. diameter pipe with Single Standard wrapping	6,300	.....	6,300 lin. ft.
(5) Relining and recoating 36-in. diameter steel pipe with Double Standard wrapping	500	.....	500 lin. f.t
(6) Fabrication, lining and coating of 30-in. dia. steel pipe with Single Standard wrapping	.....	6,000	6,000 lin. ft.
(7) Fabrication, lining and coating of 30-in. dia. steel pipe with Double Standard wrapping	.....	1,000	1,000 lin. ft.
(8) Fabrication of bends from 36-in. diameter steel pipe	45	.....	45 R'about s'ms
(9) Fabrication of bends from 30-in. diameter steel pipe	.....	105	105 R'about s'ms
(10) Excavation and backfill of normal trench not over 6-ft. below street surface, for 36-in. diameter pipe	6,600	.....	6,600 lin. ft. pipe
(11) Do, for 30-in. diameter pipe	.....	6,900	6,900 lin. ft. pipe
(12) Additional excavation and backfill for trench from street surface to 8-ft. below street surf.	700	1,000	1,700 cu. yds.
(13) Do for trench over 8-ft. below	200	500	700 cu. yds.
(14) Additional pavement removal and replacement	2,000	2,000	4,000 sq. ft.
(15) Installation of 36-in. dia. pipe	6,600	.....	6,600 lin. ft. pipe
(16) Installation of 30-in. dia. pipe	.....	6,900	6,900 lin. ft. pipe
(17) Installation of fittings	20,000	35,000	55,000 pounds
(18) Repavement, asphaltic concrete	23,000	23,600	46,600 bd. ft.
(19) Do, basalt blocks on concrete	600	400	1,000 bd. ft.
(20) Do, basalt blocks on sand	3,600	1,000	4,600 sq. ft.
(21) Maintenance of Harrison St.	Lump sum		Lump sum

Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason Street, upon deposit of $20.00. N. A. Eckart, General Manager and Chief Engineer.

(13) 4000 ton-miles hauling steel;
(14) 26,000 ton-miles hauling cement.

SCHEDULE NO. 2

Construction of Monrovia No. 3 tunnel and appurtenant works. The length, 32,114 feet:
(1) Tunnel access work, lump sum;
(2) 2800 cu. yds. excavation in approach cut;
(3) 165,000 cu. yds. excav. in tunnel;
(4) 200 cu. yds. excavation for tunnel enlargement;
(5) 68,000 cu. yds. concrete in tunnel, bulkhead and adjacent adit lining;
(6) 1000 tons erecting steel support in tunnel;
(7) 700 MFBM furnishing and erecting permanent timber in tunnel;
(8) 1000 cu. yds. gunite coating of rock in tunnel;
(9) 20,000 lin. ft. drilling grout holes;
(10) 4000 connections for grouting;
(11) 1500 cu. yds. mixing and placing grout;
(12) 5,000,000 lbs. placing reinf. steel;
(13) 10,000 ton-miles hauling steel;
(14) 60,000 ton-mile hauling cement.

SCHEDULE NO. 3

Construction of the Pasadena Tunnel and appurtenant works. Tunnel length, 12,143 feet.
(1) Does not apply here;
(2) 500 cu. yds. excav. in approach cut;
(3) 61,000 cu. yds. excav. in tunnel;
(4) 100 cu. yds. excav. for tunnel enlargement;
(5) 21,000 cu. yds. concrete in tunnel
(6) 550 tons erecting steel support in tunnel;
(7) 650 MFBM furnishing and placing permanent timbers in tunnel
(8) 200 cu. yds. gunite coating in tunnel;
(9) to (11) Do not apply here;
(12) 6,000,000 lbs. placing reinf. steel;
(13) 3500 ton-miles hauling steel;
(14) 6000 ton-miles hauling cement.

Certified or cashier's check for 10% must accompany each bid.

Plans and specifications obtainable at the district office, Room 1007, 306 West Third St., Los Angeles, upon payment of $5, not returnable.

F. E. Weymouth, General Manager and Chief Engineer. * 31

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS WANTED

OXNARD, San Bernardino Co., Cal.—Until Dec. 11, 7:30 P. M., bids will be received by the Oxnard City Council for the construction of a sewage disposal plant, consisting of a primary clarifier, digester, pumping station, trickling filter, secondary filter, sludge pump, drying beds, screens, etc., to be installed under a PWA allotment. Alternate bids will be taken on an Imhoff type plant.

Plans may be obtained from the Currie Engr. Co., 219 Andreson Bldg., San Bernardino, upon deposit of $20, of which $10.00 will be repaid if the plans are returned within 30 days after the opening of bids. Proposal guarantee in the form of a certified check for 10% must accompany each bid.

Complete list of bid items are on file at the office of the Daily Pacific Builder.

AWARD RECOMMENDED

LOS ANGELES, Cal.—F. F. Greenfield Co., 7310 S. Figueroa St., Los Angeles, has been recommended by the Los Angeles Board of Public Works to the PWA Engineer for award of contract, at $12,884 for the construction of the Harbor Blvd. sewage pumping plant at San Pedro; PWA Project No. 5633, Unit No. 4a.

AWARD RECOMMENDED

LOS ANGELES, Cal.—L. W. Odell, 6417 Drexel Ave., Los Angeles, has been recommended by the Los Angeles Board of Public Works to the PWA Engineer for award of contract at $18,994, for constructing the decanters, foundation, Venturi flume, drainage sump and roadway at the Terminal Island sewage treatment plant, PWA Project No. 5633 (Unit 7).

33— WATER WORKS

BIDS WANTED

BELMONT, San Mateo Co., Cal.—Until December 11, 8 P. M., the Belmont City Council will receive bids for the purchase of $45,000 waterworks improvement bonds voted in 1933. Proceeds will be used to purchase materials for extension of water system. Work will be done by SERA labor under the supervision of City Engineer W. W. Hendricks.

PREPARING PLANS

SAN MATEO COUNTY, Cal. — County Engineer James S. James, is preparing plans for water and sewer system in Memorial Park near Pescadero. The county plans to ask for SERA labor on the project.

CONTRACT AWARDED

DENVER, Colo.—The Federal Public Works Administration has approved a contract with the City of Denver for a loan and grant of $3,500,000 to be used in enlargement of the Moffat tunnel pioneer bore and other construction to increase the city's water supply. The contract provides that the loan of $2,700,00 will be repaid in annual installments under a lease agreement. Grant of 30% of labor-material cost estimated at $800,000.

CONTEMPLATED

NORTH SACRAMENTO, Cal. — Plans for acquisition of the local water supply system to be operated as a municipal utility will be presented to North Sacramento City Council at a meeting November 19. The report will be made by Major Bert Burgess and Councilman Kenneth Hammaker. Appointment of Louis Bartlett of San Francisco, as consultant, is to be recommended.

BIDS OPENED

SAN FRANCISCO.—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1284, for furnishing 30- 36- 42- and 48-in. hydraulic motor operated and manually operated gate valves for the Bay Crossing Line No. 2:

Joshua Hendy Iron Works: Proposal A: $31,017, tax $775.42, total $31,792.42; Proposal B: $46,478, tax $1,161.95, total $47,639.95; Proposal C, no bid; Proposal D (combination of Proposals A, B and C) $69,985, tax $1,749.62, total $71,734.62.

Chapman Valve Mfg. Co., (A) $29,710, tax $742.75, total $30,452.75; (B) $43,064, tax $970.60, total, $44,034.60; (C) $9,000, no tax; (D) $72,095, tax $1,583.88, total, $73,678.88.

Union Machine Co., (A) $33,852, tax $846.30, total $34,698.30; (B) $54,402, tax $1,360.05, total $55,762.05; (C) $9,200, tax, $235, total $9,430; (D) $96,457, tax $2,111.42, total $98,568.42.

Iowa Valve Co., Proposal C only, $5,310, no tax.

BIDS WANTED

FORT MILEY, San Francisco.—Until November 26, 2:30 P. M., bids will be received by Wm. H. Radcliffe, Supervising Superintendent of Const., Veterans' Administration, Palo Alto, for providing a complete installation for additions to the water distribution system at Veterans Administration Facility, Fort Miley, including all the pipes, hose bibbs, fittings, connections to existing water lines, trenching, backfilling, etc.

Specifications obtainable from above office.

34— PARKS & PLAYGROUNDS

CONTRACT AWARDED

SAN FRANCISCO—Max Rosenberg, 135 California St., at $.64 per cu. yd. awarded contract by Purchasing Department, for furnishing 3000 to 4500 cubic yards of loam for Gladen Gate Park. *

BIDS WANTED

SAN FRANCISCO—Until November 27, 2:30 P. M., bids will be received by Veterans Administration Facility, Palo Alto, for grass seed, rootings and plants at Veterans' Administration Facility, Fort Miley, San Francisco. Quantities follow:
(1) 350 lbs. grass seed, seaside bent;
(2) 800 rootings; Ref. No. 4, Plumbago Larpentae;
(3) 370 plants in 4-in. pots;
(4) Shrubs, boxed, 4 ft. to 5 ft. in height;
(5) Native California wild flower seeds

BIDS WANTED

MERCED, Cal.—Until December 3, 2 P. M., bids will be received by the Custodian, U. S. Post Office, Merced, for seeding and planting the grounds at the U. S. Post Office, Merced.

29—STREETS AND HIGHWAYS

November 22, 1934

CONTRACT AWARDED

SAN MATEO COUNTY, Cal.—Mittry Bros. Const. Co., 5531 Downey Rd., Los Angeles, at $149,865 awarded contract by the State Highway Commission, Sacramento, for 2.7 miles of grading and surfacing with crusher run base and bituminous surface treatment applied, in San Mateo County between 3 miles east of Half Moon Bay and Summit.

CONTRACT AWARDED

SAN BERNARDINO and Riverside Cos., Cal.—George Gardner & Sons, 445 E. Cypress Ave., Redlands, at $4,502 awarded contract by the State Highway Commission, Sacramento, for about 12.3 miles bituminous surface treatment to be applied to existing oiled shoulders in San Bernardino and Riverside Counties between Calimesa and Banning.

CONTRACT AWARDED

LOS ANGELES COUNTY, Calif.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $7,350 awarded contract by the State Highway Commission, Sacramento, for 0.3 mile grading and paving with asphalt concrete in Los Angeles between the Los Angeles City pumping plant and West Channel Road.

CONTRACT AWARDED

KLAMATH COUNTY, Ore.—Dunn & Baker, Klamath Falls, at $12,950.20 (reinforced concrete pipe) awarded contract by the Bureau of Public Roads, Portland, for 1.582 miles grading and 9.36 miles widening of the Crater Lake Highway, Rim Rd. Project PEC-7-C1, Unit 1, Grading, and PEC-7-B and 7-C (portions) widening in Klamath County.

NEW BIDS ASKED

SAN FRANCISCO.—Until Nov. 28, 2:30 P. M., bids will be received by

the Department of Public Works, Rm. 251, City Hall, for the resurfacing of Market Street between Kearny and Third Streets and between Sixth and Taylor Streets.

The work involves:

(1) 47,600 sq. ft. asphalt concrete or asphalt wearing surface to be removed to a depth of from 1- to 3-in. by heating and to be replaced with an asphalt concrete wearing surface 1- to 2-in. in thickness;

(2) 20,000 sq. ft. asphalt concrete conform pavement.

All bids received November 7 were rejected. Complete bids published November 9.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall.

CONTRACT AWARDED

ARIZONA STATE. — Pearson and Dickerson, Contractors, Inc., P. O. Box 471, Prescott, at $19,484.92 were awarded contract by Arizona State Highway Commission, Phoenix, for highway construction on the Prescott-Flagstaff Highway, Jerome streets, A. F. E. 514, NRM 96-A. The work, which is located within the city limits of Jerome, consists of the furnishing and placing of a 2-in. asphalt retread surface and select material, and miscellaneous grading and draining work.

BIDS WANTED

YAVAPAI COUNTY, Arizona—Until December 6, 10 A. M., bids will be received by the Bureau of Public Rds. 802 Title and Trust Bldg., Phoenix, for grading Section I of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai County, Arizona. The length of the project is 4.582 miles, and the work involves:

(1) 26 acres clearing;
(2) 100,000 cu. yds. unclassified excavation;
(3) 7900 cu. yds. do for borrow;
(4) 960 cu. yds. do for structures;
(5) 70 cu. yds. foundation fill;
(6) 373 cu. yds. handlaid rock embankment;
(7) 34,000 sta. yds. overhaul;
(8) 3200 cu. yds. mi. borrow haul;
(9) 1504 lin. ft. C.M.P.;
(10) 1 each Type A spillway inlets;
(11) 104 lin. ft. remove and stockpile exist. C.M.P.;
(12) 535 cu. yds. concrete;
(13) 54,250 lbs. reinf. steel;
(14) 143,000 lbs. structural steel;
(15) 60 cu. yds. handlaid riprap;
(16) 45.100 lin. ft. Type I protection ditch;
(17) 1 each cattle guard in place;
(18) 5500 lin. ft. remove existing fence
(19) 7240 lin. ft. fence in place;
(20) 13 each right-of-way monuments

Plans and specifications obtainable from the Bureau of Public Roads at the above office or at 807 Sheldon Bldg. 461 Market St., San Francisco, upon deposit of $10.

BIDS WANTED

LEWIS COUNTY, Washington — Until December 5, 10 A. M., bids will be received by the Bureau of Public Roads, 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Randle-Yakima Highway Grading Project FHEC-13-M2, Q, National Forest Road Project, located within the Rainier National Forest, Lewis County, Washington.

The length of the project is approximately 0.4394 mile, and involves:

(1) 6 acres clearing;
(2) 5 acres grubbing;
(3) 83,000 cu. yds. unclassified excavation;
(4) 31,000 cu. yds. mi. haul;
(5) 350 cu. yds. cement rubble masonry retaining wall and headwalls
(6) 200 lin. ft. 18-in. reinforced conc. pipe (Alternate).

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

MODOC COUNTY, Cal.—R. K. Carlson, P. O. Box 407, Vallejo, at $68,113.70 awarded contract by the Bureau of Public Roads, Sheldon Bldg., San Francisco, for grading Sectino A of Federal Lands Highway Project No. 6, the Lava Beds Highway, Modoc eCounty, and Section C of Route 11, the Lava Beds National Forest Highway, Modoc County.

AWARD

COCONINO COUNTY, Ariz. — Tiffany Construction Co., 535 N. 7th St., San Jose, at $76,892 awarded contract by the Bureau of Public Roads, Phoenix, for grading and placing subgrade reinforcement on Section B of Route 3, the Flagstaff-Clints Wells Nat'l. Forest Highway, Coconino National Forest, Coconino County, Arizona, a length of 7.563 miles.

BIDS WANTED

MODOC COUNTY, Cal.—Until April 5, 1935, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing a bituminous surface treatment (armor coat) on Section A of Route 11, the Lava Beds National Forest Highway, and Sections A and B of Route 12, the Howard Gulch National Forest Highway, Modoc National Forest, Modoc County. The length of the project is 28.077 miles and the work involves:

(1) 12,750 tons crushed rock for bituminous surface treatment;
(2) 700 tons supplemental crushed rock screenings;
(3) 640 tons bituminous binder in place.

Plans and specifications obtainable from above office upon deosit of $10.

BIDS WANTED

SISKIYOU COUNTY, Cal. — Until April 4, 1935, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for placing a bituminous surface treatment on Section C of Route 77, the Mt. Shasta-Mt. Lassen National Forest Highway, Shasta Nat'l. Forest, Siskiyou County. The length of the project is 12.45 miles and the work involves:

(1) 2950 tons crushed rock or gravel for surface course;
(2) 5150 tons crushed rock or gavel for bituminous surface course;
(3) 600 tons supplemental crushed rock or gravel;
(4) 260 tons bituminous binder o. place;
(5) 120 tons asphaltic road material, Type M.C-3;
(6) 1.364 miles mixing and rolling bituminous treater surfacing;
(7) 18 tons asph. roaod material, Type S.C-2;
(8) 41 M. gallons watering.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

SPOKANE COUNTY, Wash.—Until December 4, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Washington, for grading, surfacing with crushed stone and paving with Portland cement concrete about 2.9 miles of State Road No. 11, Cheney-West. U.S.P.W. Project No. NRH 20 and NRM 133-E, in Spokane County.

The work involves about 6 acres clearing; 19,610 cu. ydsfl. excavation; 20,960 cu. yds. of gravel borrow; 9610 cu. yds. of crushed stone surfacing; 3191 sq. yds. cement concrete pavement; 1497 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

KING COUNTY, Wash.—Until December 4, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete about 2.1 miles of the route of State Road No. 2, in Seattle, Section 1, Rainier Ave. between Jackson and Dearborn Sts., and Section 2, Empire Way, between Renton Ave. and south city limits, USPW Project No. NRM 142-1, King County.

The work involves about 12,450 c.y. of excavation; 28,088 sq. yds. cement concrete pavement; 750 l.f. 6-in. sewer pipe, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

CONTRACT AWARDED

LOS ANGELES, Cal. — Macco Construction Co., 815 Paramount Blvd., Clearwater, at $124,175 awarded contract by the Los Angeles County Bd. of Supervisors for the placing of rock on the downstream face and crest of San Gabriel Dam No. 2.

CONTRACT AWARDED

Winslow, Arizona. — Southern California Roads Co., 2145 E 25th St., Los Angeles, at $15,092.40 awarded contract by the Arizona State Highway Commission, Phoenix, for improving the Flagstaff-Winslow Highway, A. F. E. 662, NRH 22. The work extends from the west city limits of Winslow along Second Street approximately 0.3 mile, consisting of removing old oil cake, placing new base, remixing and relaying old oil cake, etc.

BIDS WANTED

TULARE COUNTY, Cal.—Until December 12, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 1 mile to be graded and paved with asphalt concrete in the City of Tulare, Tulare County.

The work involves:

(1) 4,300 c.y. rdwy. excav., unclass.;
(2) 9,000 sta. yds. overhaul;
(3) 4,400 c.y. imported borrow;
(4) 300 c.y. structure excavation;
(5) 10,600 sq. yds. preparing subgrade for pavement;
(6) 8,400 sq. yds. asph. paint binder;
(7) 6,550 tons asphaltic concrete;
(8) 43 c.y. Class A Portland cement concrete (structures);
(9) 6 c.y. Class A do (curbs, gutters, and sidewalks);
(10) 4,000 lbs. bar reinf. steel struc.;
(11) 180 l.f. 12-in. extra strength reinforced concrete pipe;
(12) 3 each cast steel frames and covers for drop inlets;
(13) 320 c.y. removing and disposing of existing asphalt concrete and Portland cement concrete;
(14) 550 M. gals. water;
(15) 40 l.f. laminated timber guard rail;
(16) 122 tons fuel oil shoulders;
(17) 15,000 sq. yds. preparing, mixing, and shaping oiled shoulders;
(18) 55 stations finishing roadway;
(19) 11 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

LASSEN AND SIERRA COS., Cal. —Until December 12, 2 P. M., bids will be received by the State High-

way Commission, Sacramento, for about 10.5 miles to be graded and oiled in Lassen and Sierra Counties, between 2.8 miles north of the junction of Routes 21 and 29, and the Nevada State Line.

The work involves:

(1) 70.4 acres clear and gurb right-of-way;
(2) 220,000 c.y. rdwy. excav., unclass.
(3) 716,000 sta. yds. overhaul;
(4) 1,650 c.y. structure excavation;
(5) 197 c.y. Class A Portland cement concrete (structures);
(6) 14,700 lbs. bar reinf. steel (structures);
(7) 330 l.f. 8-in. CMP;
(8) 108 l.f. 12-in. CMP;
(9) 1,922 l.f. 18-in. CMP;
(10) 272 l.f. 24-in. CMP;
(11) 92 l.f. 30-in. CMP;
(12) 62 l.f. 36-in. CMP;
(13) 33 each 8-in. CMP elbows;
(14) 33 each spillway assemblies;
(15) 102 each culvert markers;
(16) 706 M. gals. water;
(17) 220 tons fuel oil;
(18) 152,250 sq. yds. preparing roadbed for oil treatment;
(19) 155 tons asphaltic road oil;
(20) 2,200 tons fine screenings;
(21) 552 stations finishing roadway;
(22) 84 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

LOS ANGELES, Cal.—Until December 10, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the improvement of the La Canada-Verdugo Road, from Michigan Ave. southeast to Devil's Gate Dam, and along portions of Highland Drive and Linda Vista Ave., adjacent to said La Canada-Verdugo Road at Devil's Gate Dam, to total distance of 5500 lin. ft. or 1.04 mile, Unit No. 1 of Federal Work Project No. 3123, Cash Contract No. 441, involving:

(1) 12,400 cu. yds. excavation (including shaping and clearing);
(2) 2000 tons furnishing and placing pre-mix paving mixture;
(3) 720 tons furnishing and placing asphaltic concrete base mixture;
(4) 360 tons furnishing and placing asphaltic concrete wearing surf.
(5) 127,655 sq. ft. 3-in. macadam base
(6) 70 cu. yds. furnishing and placing Class B cement concrete for curb, gutter and base*;
(7) Construct drainage structure at west end of bridge;
(8) 112 intermediate panels, Type A, flexible metal guard rail;
(9) 6 end panels, Type A, flexible metal guard rail;
(10) 295 lin. ft. cable guard fence;
(11) Timber and concrete bridge complete:
(a) Using redwood for all timber portions thereof except bulkhead plans, deadmen piling, which shall be of creosoted Douglas fir, or
(b) Using creosoted Douglas fir for all timber portions thereof.

*Approximately 940 lin. ft. of curb, 1770 sq. ft. of gutter, and 590 sq. ft. of base.

Geo. W. Jones, County Road Commissioner. Mame B. Beatty, Clerk of the Board.

CONTRACTS AWARDED

POLK COUNTY, Oregon — Theo. Arenz, Guaranty Bldg., Portland, at $81,994 (Road oil and at $29,983.50 (Tar) awarded contracts by the Oregon State Highway Commission, Portland, for 3.9 miles grading and surfacing and 7.8 miles oil mat surface treatment on the Yamhill River-Salt Creek Section of Dallas Coast Secondary Highway, U. S. P. W. Project Nos. NRS 215-A and NRS 215-C; and for 2.12 miles grading and 3 miles oil mat surface treatment on the McNary-Oak Point Section of Independence Secondary Highway, U.S.P.W. Project No NRS 224-B. Both projects are in Polk County.

BIDS REJECTED

BERKELEY, Cal.—All bids received by the Berkeley City Council October 30, for the improvement of The Alameda, between Monterey and Solano Ave., have been rejected and the work will be postponed until next spring.

Lee J. Immel, 1031 Evelyn St., Berkeley, submitted low bid at $6764.

CONTRACT AWARDED

SAN JOSE, Cal.—A. J. Raisch Paving Co., Burrell Bldg., San Jose, at $6833 submitted low bid and awarded contract by San Jose City Council, November 19, for street improvement through south end of City Hall Park, San Jose.

Union Paving Co., San Francisco, at $7136.50 submitted only other bid.

BIDS WANTED

SAN BENITO COUNTY, Cal.—Until December 19, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 2.6 miles to be graded and surfaced with crusher run base and oil treated crusher run surfacing in San Benito County between Route 2 and San Juan Bautista.

The work involves:

(1) 69,800 c.y. rdwy. excav., unclass.;
(2) 331,000 sta. yds. overhaul;
(3) 2,350 c.y. structure excavation;
(4) 320 c.y. Class A Portland cement concrete (structures);
(5) 32,000 lbs. bar reinf. steel, do;
(6) 198 l.f. 8-in. CMP;
(7) 644 l.f. 18-in. CMP;
(8) 308 l.f. 30-in. CMP;
(9) 72 l.f. 36-in. CMP;
(10) 250 l.f. 30x8-in. part circle CMP;
(11) 17 each spillway assemblies, CIP
(12) 950 sq. yds. paved gutters and aprons;
(13) 192 l.f. laminated timber guard rail;
(14) 179 each timber guide posts;
(15) 25 each timber culvert markers;
(16) 5.6 miles new property fence;
(17) 27 each fence gates;
(18) 65 tons fuel oil;
(19) 16,500 sq. yds. mixing, shaping, and compacting shoulders;
(20) 140 stations finishing roadway;
(21) 91 each monuments complete in place;
(22) 7,000 tons crusher run base;
(23) 5,500 tons crusher run surfacing;
(24) 310 tons fuel oil;
(25) 33,700 sq. yds. mixing, shaping and compacting surfacing;
(26) 37 tons asphaltic road oil;
(27) 420 tons screenings.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is located.

BIDS WANTED

WALLA WALLA CO., Wash.—Until Dec. 4, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and asphaltic concrete about 0.1 of a mile of the route of State Road No. 3, in the city of Walla Walla, Section 1, Isaacs Ave. at Division St., and Section 3, Revision on Pine St. between 12th and 13th Sts., USPW Project NRM 40-D and NRM 126-C, in Walla Walla Co.

The work involves about 1,780 sq. yds. cement concrete pavement; 158 tons asphaltic concrete pavement, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

BIDS WANTED

GRANT COUNTY, Wash. — Until December 4, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, Wash., for gading and ballasting about 23.1 miles of the county road, Burke to Neppel, U. S.P.W. Project NRS 217-A in Grant County.

The work involves about 395,770 cu. yds. of excavation; 55,760 cu. yds. of ballast and gravel borrow; 2304 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

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UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BIDS OPENED

KERN COUNTY, Cal.—D O C Construction Co., Room 222 La Arcada Bldg., and Robert D. Paterson, 1911 San Andres St., Santa Barbara, at $39,873.45 submitted low bid to the State Highway Commission, Sacramento, for about 1.6 mile of grading and surfacing with bituminous treated crushed gravel or stone in Kern County between 1 miles east of Taft and ½ mile west of Taft. The work involves:

(1) 27,500 c.y. rdwy. excav., unclass.;

(2) 298,000 sta. yds. overhaul;

(3) 1,400 c.y. structure excavation;

(4) 140 c.y. concrete removed from existing pave. and struc.;

(5) 4.425 tons crushed gravel or stone

(6) 225 tons cut-back asphalt road oil;

(7) 4,650 tons mixing cut-back asphaltic road oil and crushed gravel or stone;

(8) 255 tons fuel oil;

(9) 32,000 sq yds. preparing, mixing and shaping roadbed;

(10) 174 c.y. Class A Portland cement concrete (structures);

(11) 40 c.y. Class B do (bridge);

(12) 14.350 lbs. bar reinf. steel (structures);

(13) 606 l.f. 18-in. CMP;

(14) 514 l.f. 24-in. CMP;

(15) 64 l.f. 36-in. CMP;

(16) 16 5 MFBM redwood timber, dense, select, all-heart structural grade;

(17) 25 MFBM redwood timber select all-heart structural grade;

(18) 940 M. gals. water;

(19) 127 l.f. solid timber guard rail;

(20) 165 each timber guide posts;

(21) 20 each culvert markers;

(22) 83 stations finshing roadway;

(23) 22 each monuments.

Total bids follow:

(A) D O C Constr. Co. and Robert D. Paterson, Santa Barbara, $39,-873.45.

(B) Fredrickson & Watson Constr. Co. and Fredrickson Brothers, Oakland, $45,915.80.

(C) Griffith Co., Los Angeles, $48,-345.15.

(D) C. O. Sparks, Los Angeles, $49,-240.90.

(E) L. A. Brisco, Arroyo Grande, $49,-869.65.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .26	$ .25	$ .30	$ .40	$ .295
(2)	.0033	.005	.005	.006	.005
(3)	.70	1.00	1.00	.75	1.25
(4)	4.50	2.50	3.00	3.00	5.00
(5)	2.25	2.80	3.61	3.10	2.95
(6)	16.00	17.00	15.00	16.50	18.50
(7)	.10	.55	.03	.50	.45
(8)	10.00	9.50	8.00	8.60	11.40
(9)	.05	.055	.06	.05	.065
(10)	21.00	25.00	26.00	22.00	25.00
(11)	20.00	24.00	25.00	16.00	25.00
(12)	.05	.06	.05	.045	.06
(13)	.40	.30	.50	.50	.50
(14)	.50	.40	.60	.60	.50
(15)	.60	.60	1.20	.75	.60
(16)	84.00	100.00	90.00	100.00	90.00
(17)	84.00	110.00	85.00	90.00	90.00
(18)	2.00	.75	2.00	1.00	2.00
(19)	1.00	1.00	1.10	1.25	1.50
(20)	1.10	2.00	1.60	2.00	2.50
(21)	1.10	2.00	1.60	2.00	2.00
(22)	6.00	7.00	5.00	3.00	5.00
(23)	2.50	3.00	3.00	2.00	3.00

LYON CO. NEV.—8.54 Mi. Highway Construction—(State)

LYON COUNTY, Nev.—Jones and King, Jackson St., Hayward, Calif., at $63,499.23, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Carson City, November 14, for the construction of a portion of the State Highway System in Lyon County between Wabuska and eight miles north, Route 28, Section B, a length of 8.54 miles.

The work involves:

(1) 468 lin. ft. remove culvert pipe;
(2) 75,700 cu. yds. roadway excav.;
(3) 136,584 sta. yds. overhaul;
(4) 13,689 cu. yds. select borrow;
(5) 610 cu. yds. structure excav.;
(6) 8.54 miles subgrade;
(7) 8.54 miles finish roadway;
(8) 33,600 tons crushed gravel or stone surface;
(9) 25 cu. yds. Class B concrete;
(10) 525 lbs. reinforcing steel;
(11) 1.5 MFBM redwood;
(12) 256 lin. ft. 18-in. C.M.P.;
(13) 308 lin. ft. 24-in. C.M.P.;
(14) 164 lin. ft. 30-in. C.M.P.;
(15) 166 lin. ft. 36-in. C.M.P.;
(16) 94 lin. ft. 2-ft. x 2-ft. laminated culverts;
(17) 38 lin. ft. 4-ft. x 3-ft. laminated culverts;
(18) 73 lin. ft. 6-ft. x 4-ft. laminated culverts;
(19) 450 lin. ft. relay culvert pipe;
(20) 80 each monuments;
(21) Lump sum, remove railroad track.

Total bids follow:

(A) Jones & King, Hayward, Calif., $63,499.23.

(B) George Pollock, Sacramento, $63-650.52.

(C) Isbell Const. Co., Carson City, $68,900.28.

(D) Union Paving Co., San Francisco $69,707.78.

(E) Nevada Rock & Sand Co., Reno, $71,814.28.

(F) Utah Const. Co., Ogden, $72,632.-30.

(G) George French, Jr., Stockton, Cal. $73,231.83.

(H) Dodge Const., Inc., Fallon, $84,-$844.67.

(I) Engineer's estimate, $71,074.88.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .50	$ .75	$ 1.00	$ .50	$ .75	$ .40	$ .75	$ 1.00	$ .75
(2)	.30	.30	.40	.375	.40	.40	.40	.50	.40
(3)	.02	.03	.02	.02	.02	.04	.02	.03	.02
(4)	.35	.40	.40	.40	.55	.35	.45	.35	.40
(5)	1.25	1.00	1.00	1.50	1.50	1.50	1.50	1.50	1.00
(6)	125.00	200.00	100.00	100.00	100.00	75.00	100.00	100.00	100.00
(7)	200.00	200.00	100.00	100.00	150.00	200.00	150.00	150.00	100.00
(8)	.70	.60	.65	.65	.60	.65	.70	.80	.70
(9)	35.00	30.00	35.00	35.00	30.00	27.00	30.00	30.00	30.00
(10)	.07	.07	.10	.10	.08	.10	.08	.10	.08
(11)	120.00	100.00	125.00	150.00	125.00	90.00	110.00	150.00	130.00
(12)	1.70	2.00	2.00	2.00	2.75	2.00	2.50	2.00	2.50
(13)	2.60	3.50	2.50	3.50	3.25	3.00	3.00	3.00	3.00
(14)	3.25	4.50	3.50	4.00	4.00	3.80	4.50	3.50	4.00
(15)	5.00	6.00	5.00	6.00	5.50	5.50	5.50	6.00	5.50
(16)	3.00	5.00	3.75	4.00	8.00	5.00	4.75	7.50	4.00
(17)	9.50	8.00	6.00	12.00	15.00	14.00	12.50	15.00	6.50
(18)	12.00	12.00	12.00	20.00	20.00	18.00	17.00	20.00	12.00
(19)	.50	1.00	.50	1.00	.75	.40	1.00	1.00	1.00
(20)	3.00	4.00	3.50	3.50	3 00	3.00	3.50	3.00	3.50
(21)	300.00	150.00	25.00	1000.00	100.00	100.00	75.00	250.00	50.00

SAN MATEO CO.—2.7 Mi. Grade and Surface—(State)

SAN MATEO COUNTY, Cal.—Mittry Bros. Const. Co., 5531 Downey Rd. Los Angeles, at $149,865.00 submitted low bid to State Highway Commission, Sacramento, for about 2.7 miles of grading and surfacing with crusher run base and bituminous surface treatment applied, in San Mateo County between three miles east of Half Moon Bay and Summit.

The work involves:

(1) 27 acres clearing and grubbing:
(2) 385,000 c.y. rdwy. excav., unclass.
(3) 1,500,000 sta. yds. overhaul;
(4) 4,560 c.y. structure excavation;
(5) 10,500 tons crusher run base;
(6) 118 tons emulsified asphaltic road oil;
(7) 1,600 tons screenings;
(8) 52 tons fuel oil;
(9) 70 c.y. Class A Portland cement concrete (structures);
(10) 5,200 pounds bar reinforcing steel (structures);
(11) 17 each spillway assemblies;
(12) 760 l.f. 8-in. CMP;
(13) 1,750 l.f. 18-in. CMP;
(14) 1,000 l.f. 24-in. CMP;
(15) 130 l.f. 30-in. CMP;
(16) 220 l.f. 60-in. CMP;
(17) 224 l.f. 72-in. CMP;
(18) 14 l.f. CMP, clean and relay;
(19) 3,400 l.f. 8-in. perforated metal pipe;
(20) 820 l.f. furnishing untreated redwood piles;
(21) 20 each driving redwood piles;
(22) 38 MFBM redwood timber, dense, select, all heart struc. grade;
(23) 21 MFBM redwod timber, select, all heart, structural grade;
(24) 180 c.y. rubble masonry wall;
(25) 4,000 l.f. solid timber guard rail;
(26) 200 each, timber guide posts;
(27) 35 each, culvert markers;
(28) 4.6 miles new property fence;
(29) 0.5 mile special property fence;
(30) 6 each fence gates complete in place;
(31) 3,400 M. gals. water;
(32) 148 stations finishing roadway;
(33) 80 each, monuments, complete in place.

Total bids follow:

(A) Mittry Bros. Const. Co., Los Angeles, $149 865.00.

(B) Granfield-Farrar & Carlin, San Francisco, $155,177.20.

(C) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $163,111.15.

(D) Peninsula Paving Co., San Francisco, $165,653.20.

(E) Bodenhamer Const. Co. and Contules Const. Co., Oakland, $187,-728.00.

(F) N. M. Ball and Harms Brothers, Berkeley, $188,940.00.

(G) A. Teichert & Son, Inc., Sacramento, $199,367.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 50.00	$ 50.00	$ 40.00	$ 60.00	$100.00	$200.00	$ 80 00
(2)	.205	.23	.23	.245	.29	.27	.32
(3)	.0025	.003	.004	.005	.005	.005	.002
(4)	.60	.75	1.00	.75	.80	1.25	1.20
(5)	1.40	1.15	.90	1.25	1.50	1.75	1.70
(6)	18.00	20.00	21.00	19.75	20 00	20.00	20.00
(7)	2.50	1.65	4.70	2.15	1.50	3.50	8.50
(8)	12.00	12.60	25.00	19.00	12.00	8.50	12.00
(9)	20.00	20.00	27.50	21.00	25.00	25.00	20.00
(10)	.06	.045	.07	.06	.06	.06	.05
(11)	20.00	15.00	15.00	12.50	15.00	15.00	15.00
(12)	1.00	.90	.90	.85	1.00	1.00	.90
(13)	1.50	1.60	1.60	1.60	1.75	1.50	1.70
(14)	2.50	2.60	2.60	2.50	2.50	2.50	2.50
(15)	3.00	3.25	4.00	3.00	3.00	3.00	3.00
(16)	16.00	15.50	16.00	16.75	15.00	12.00	15 00
(17)	18.50	19.00	20.00	21.00	16.00	16.00	20.00
(18)	3.00	.50	.60	1.20	1.00	.50	1.00
(19)	2.50	1.30	1.30	1.00	1.00	1.50	1.35
(20)	.50	.45	.60	.55	.60	.60	.50
(21)	20.00	20.00	30.00	60.00	20.00	30.00	40.00
(22)	85.00	85.00	96.00	95.00	85.00	90.00	85.00
(23)	85.00	80.00	90.00	90.00	85.00	90.00	85.00
(24)	12.00	8.00	10.70	10.00	12.00	12.00	12.00
(25)	.95	1.00	.75	.80	1.00	1.00	1.00
(26)	1.00	2.00	1.75	1.90	2.50	2.00	1.75
(27)	2.00	2.00	1.75	1.90	2.50	2.00	2.00
(28)	400.00	650.00	400.00	640.00	500.00	400.00	600.00
(29)	400.00	475.00	450.00	830.00	400.00	800.00	1200.00
(30)	20.00	15.00	19.00	22.00	15.00	15.00	25.00
(31)	.50	1.00	1.50	.50	1.50	1.00	.25
(32)	6.00	4.00	7.50	5.00	8.00	6.00	6.00
(33)	4.00	3.00	3.00	3.00	3.00	3.00	2.50

HUMBOLDT CO., NEV — 11.74 Mi. Highway — (State)

HUMBOLDT COUNTY, Nev.—Utah Const. Co., Ogden, Utah, at $68,288.50 as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, November 14, for the construction of a portion of the State Highway System in Humboldt County between Winnemucca and Toll House, Route 8, Section A2, a length of 11.74 miles.

The work involves:
(1) 268 lin. ft. remove culvert pipe;
(2) 18 each remove culvert headwalls;
(3) 59,200 cu. yds. roadway excavation;
(4) 30,317 sta. yds. overhaul;
(5) 10,694 cu. yds. select borrow;
(6) 1300 cu. yds. structure excav.;
(7) 11.74 miles subgrade;
(8) 11.74 miles finish roadway;
(9) 44,900 tons crushed gravel or stone surface;
(10) 219 cu. yds. Class A concrete;
(11) 35 cu. yds. Class B concrete;
(12) 24,000 lbs. reinforcing steel;
(13) 82 lin. ft 15-in. C.M.P.;
(14) 864 lin. ft. 18-in. C M.P.;
(15) 564 lin. ft. 24-in C.M.P.;
(16) 254 lin. ft. 30-in. C.M.P.;
(17) 186 lin. ft. 36-in. C.M.P.;
(18) 222 lin ft. relay culvert pipe;
(19) 74 each move pipe culvert headwalls;

Total bids follow:
(A) Utah Const. Co., Ogden, $68,288.-58.
(B) Nevada Rock & Sand Co., Reno, $71,166.04.
(C) Gibbons & Reed, Salt Lake City, $72,030.33.
(D) George French, Stockton, Calif., $74,749.94.
(E) George Pollock, Sacramento, Cal. $75,877.01.
(F) Fredrickson & Watson Const. Co. & Fredrickson Bros., Oakland, $76-880.04.
(G) Dodge Const., Inc., Fallon, $78,-862.91.
(H) Isbell Const. Co., Carson City, $82,217.34.
(I) Union Paving Co., San Francisco, $84,404.44.
(J) Engineer's estimate, $77,867.44.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .40	$ .76	$ .45	$ .75	$ .75	$ .60	$ 1.00	$ 1.00	$ .50	$ .75
(2)	5.00	10.00	5.50	5.00	5.00	12.00	5.00	5.00	10.00	5.00
(3)	.26	.25	.32	.35	.32	.26	.35	.40	.48	.35
(4)	.04	.02	.03	.02	.03	.02	.03	.02	.02	.02
(5)	.45	.55	.38	.60	.50	.50	.60	.50	.40	.40
(6)	1.25	1.50	1.00	1.25	1.00	1.25	1.50	1.00	1.50	1.00
(7)	75.00	100.00	100.00	75.00	200.00	145.00	100.00	100.00	100.00	100.00
(8)	200.00	150.00	100.00	125.00	200.00	225.00	100.00	100.00	100.00	100.00
(9)	.56	.60	.62	.60	.60	.70	.65	.70	.65	.70
(10)	28.00	30.00	28.00	30.00	30.00	32.00	30.00	30.00	30.00	30.00
(11)	26.00	30.00	28.00	30.00	30.00	32.00	30.00	30.00	28.00	30.00
(12)	.08	.07	.08	.07	.07	.07	.06	.07	.08	.07
(13)	1.70	2.60	1.70	2.00	1.75	1.75	2.00	2.00	2.00	2.00
(14)	2.00	2.75	2.00	2.50	2.00	2.00	2.25	2.50	2.50	2.50
(15)	3.25	3.50	2.70	3.00	3.50	3.20	3.00	3.00	3.00	3.00
(16)	4.00	4.00	3.45	4.00	4.50	4.00	3.50	4.00	4.00	4.00
(17)	6.00	5.50	5.20	5.50	6.00	5.00	5.50	5.00	5.00	5.00
(18)	.60	.75	.70	1.00	1.00	.50	1.00	.50	1.00	1.00
(19)	12.00	10.00	14.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
(20)	3.00	3.00	3.00	3.00	4.00	3.50	3.00	3.50	3.50	3.50
(21)	.25	.25	.28	.12	.30	.30	.40	.30	.25	.15

CHURCHILL CO., NEV. — 8.03 Mi. Highway — (State)

CHURCHILL CO., Nevada.—Isbell Const. Co., Carson City, at $82,586.80, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, November 14, for the construction of a portion of the State Highway System in Churchhill County between Eastgate and 8 miles east, Rte. 2, Section F, a length of 8.03 miles.

The work involves:
(1) 292 lin. ft. remove culvert pipe;
(2) 32 each remove culvert headwalls
(3) 105,300 cu. yds. roadway excavation;
(4) 88,955 sta. yds. overhaul;

BIDS OPENED

SUTTER COUNTY, Cal.—P. F. Bender, 1012 Del Paso Blvd., Sacramento, at $27,023 submitted low bid to the State Highway Commisaion, Sacramento, for the construction of the steel and concrete superstructure and portions of the abutments of a bridge across Tisdale Weir on the highway, between Knights Landing and Meridian, Sutter County, consisting of twenty-eight 39 ft. 0-in. and two 45-ft. 9¾-in. spans. The work involves:
(1) 412 cu. yds. Class A Portland cement concrete;
(2) 68,00 lbs. bar reinforcing steel;
(3) 244,000 lbs. structural steel;
(4) 2420 lin. ft. timber ralling;
(5) 1 lot miacellaneous items of work.

Total bids follow:
(A) P. F. Bender, Sacramento, $27,-023.
(B) Lord & Bishop, Sacto., $28,161.
(C) B. A. Howkins & Con, San Francisco, $28,387.40.
(D) M. B. McGowan, Inc., San Francisco, $28,987.
(E) A. T. Howe, Santa Rosa, $29,030.
(F) A. H. Siener and Frank J. Main, San Anselmo, $29,367.
(G) C. W. Caletti & Co., San Rafael, $29,704.20.
(H) Fredrickson & Watson Constr. Co. and Fredrickson Bros., Oakland, $32,345.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$ 19.25	$ 20.00	$ 15.00	$ 15.00
(2)	.04	.045	.05	.045
(3)	.05	.0525	.0566	.06
(4)	1.60	1.50	1.85	2.00
(5)	300.00	300.00	500.00	267.00

	(E)	(F)	(G)	(H)
(1)	$ 19.50	$ 18.00	$ 21.00	$ 23.00
(2)	.045	.05	.045	.05
(3)	.052	.055	.053	.065
(4)	1.90	2.00	1.88	1.30
(5)	650.00	300.00	510.00	462..00

BIDS OPENED

SOLANO COUNTY, Cal .— Henry Grimoldi, Bauer Tract, Napa, at $8008 submitted low bid to the Department of Public Works, Division of Highways, R. E. Pierce, District Engineer, Stockton. for about 2 miles in length to be surfaced with untreated crushed gravel or stone, in Solano County, between liberty Island Ferry and a point 2 miles northerly, involving 5200 tons untreated crushed gravel or stone surfacing. Complete bids follow: (1) per ton; (2) total:
Henry Grimoldi, Napa, (1) $1.54; (2) $8008.
Lee J. Immei, Berkeley, (1) $1.54; (2) $8528.
Hayward Bldg. Material Co., Hayward, (1) $1.65; (2) $8580.
Ransome E. McCarty, Stockton, (1) $1.75; (2) $9100.
Tiffany Constr. Co., San Jose, (1) $1.79 (2) $9308.

COMPLETE BID LISTING

FRESNO, Fresno Co., Calif.—Trewhitt-Shields Co., 1501 Pacific Southwest Bldg., Fresno, at $16,480.69, submitted low bid to Fresna City Council Nov. 15 for the construction of a storm sewer in the Central District, PWA Project 6751-2.

Total bids follow:
(A) Trewhitt - Shields Co., Fresno, $16,480.69.
(B) Stewart & Nuss and John Jurkovich, Fresno, $18,051.50.

Unit quantities and prices follow:
(1) 1673 l.f. 30-in. concrete pipe, (A) $5.93; (B) $6.00;
(2) 951 l.f. 24-in. concrete pipe, (A) $4.50; (B) $4.50;
(3) 30 l.f. 24-in. concrete pipe covered, (A) $11.65; (B) $15.00;
(4) 625 l.f. 12-in. concrete pipe, (A) $1.26; (B) $3.00;
(5) 72 l.f. 8-in. concrete pipe, (A) $1.40; (B) $2.00;

(5) 19,063 cu. yds. select borrow;
(6) 930 cu. yds. structure excavation
(7) 8.03 mi. subgrade;
(8) 8.03 mi. finish roadway;
(9) 33,400 tons crushed gravel or stone surface;
(10) 78 cu. yds. Class A concrete;
(11) 54 cu. yds. Class B concrete;
(12) 6706 lbs. reinforcing steel;
(13) 134 lin. ft. 15-in. C.M.P.;
(14) 836 lin. ft. 18-in. C.M.P.;
(15) 422 lin ft. 24-in. C.M.P.;;
(16) 258 lin. ft. 36-in. C.M.P. ;
(17) 650 cu. yds. hand laid riprap;
(18) 136 lin. ft. relay culvert pipe;
(19) 4712 lin. ft. guard rail;
(20) 86 each monuments;
(21) 1448 M. gals. water.

Total bids follow:
(A) Isbell Const. Co., Carson City, $82,586.80.
(B) Utah Const. o., Ogden, $84,834.65.
(C) Union Paving Co., San Francisco, $95,955.30.
(D) Nevada Rock & Sand Co., Reno, $98,410.60.
(E) Jones & King, Hayward, Calif., $98,517.50.
(F) George Pollock Co., Sacramento, $101,189.50.
(G) Gibbons & Reed Co., Salt Lake City, $111,010.15.
(H) Dodge Const., Inc., Fallon, $113,-419.20.
(I) Engineer's estimate, $88,904.30.
Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ 1.00	$ .40	$ .50	$ .75	$ .50	$ .75	$ .50	$ 1.00	$ .50
(2)	5.00	5.00	10.00	10.00	11.00	5.00	6.00	5.00	5.00
(3)	.32	.33	.38	.42	.38	.45	.50	.53	.35
(4)	.02	.04	.02	.02	.02	.02	.03	.03	.02
(5)	.40	.40	.40	.50	.40	.40	.40	.35	.40
(6)	1.00	1.50	1.20	1.50	1.30	1.00	1.50	1.50	1.00
(7)	100.00	75.00	100.00	100.00	130.00	200.00	100.00	100.00	100.00
(8)	100.00	150.00	100.00	150.00	200.00	200.00	150.00	150.00	100.00
(9)	.55	.57	.65	.60	.70	.60	.69	.75	.60
(10)	30.00	26.00	30.00	30.00	35.00	30.00	30.00	30.00	30.00
(11)	30.00	26.00	28.00	30.00	35.00	30.00	30.00	30.00	30.00
(12)	.07	.08	.10	.07	.07	.07	.08	.07	.08
(13)	1.75	1.65	2.00	2.25	1.70	2.00	1.90	2.00	1.75
(14)	2.00	2.00	2.50	3.00	2.00	3.00	2.30	2.50	2.25
(15)	3.00	3.20	3.00	3.50	3.25	4.00	3.00	3.50	3.25
(16)	5.00	6.00	5.00	5.50	5.00	5.50	5.70	6.00	5.50
(17)	3.00	2.50	5.00	4.00	4.00	4.00	4.50	3.50	3.00
(18)	.75	.40	1.00	.75	.50	1.00	.75	1.00	.75
(19)	1.00	.90	1.50	1.00	1.25	.60	.90	1.00	1.00
(20)	3.50	3.00	3.50	3.00	3.00	4.00	3.00	3.00	3.50
(21)	1.50	1.00	1.00	.75	2.00	2.50	3.00	1.50	2.00

SAN FRANCISCO — MERCED LANDS SEWER — (CITY)

SAN FRANCISCO.—MacDonald and Kahn Co., Ltd., 200 Financial Center Bldg., at $51,189.15 submitted low bid to the Department of Public Works, City Hall, for the construction of the Merced Lands sewer, northeast of Lake Merced off Sloat Blvd.

Bids were taken as follows:

Total bids follow:
(A) MacDonald & Kahn Co., Ltd., San Francisco, $51,189.15 (Alt.) $.....
(B) Eaton & Smith, San Francisco, $52,127.66; $64,349.00.
(C) M. J. Lynch, San Francisco, $52-576.50; $54,056.10.
(D) Barrett & Hilp, San Francisco, $53,570.00; $ .....
(E) P. J. McHugh, $55,173.05; $ .....
(F) E. J. Treacy, San Francisco, $56,-087.38; $ .....
(G) Pacific States Const. Co., San Francisco, $56,179.50; $61,975.50.
(H) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $56,955.50; $56,177.90.
(I) Harry J. Oser, San Francisco, $59-671.45; $63,244.65.
(J) Robert B. McNair, Oakland, $59,-748.82; $61,476.67.
(K) A. Nelson, Inc., San Francisco, $61,922.03; $70,003.43.
(L) Union Paving Co., San Francisco $62,867.45; $ .....
(M) Healy-Tibbitts Const. Co., San Francisco, $65,782.50; $65,730.20.
(N) M. B. McGowan, Inc., San Francisco, $67,254.50; $ .....
(O) O. Monson, San Francisco, $67,-340.05; $ .....
(P) Sibley Grading & Teaming Co., San Francisco, $59,943.60*; $ .....
(Q) Fay Imp. Co., San Francisco, $71-497.46; $ .....

W. J. Tobin submitted a bid which was irregular and was not read.

Unit bids follow:
(1) 2898 lin. ft. 5-ft. circular reinforced concrete sewer;
(2) 11 brick or concrete manholes;
(3) 1715 lin. ft. removing existing 24-in. cast iron pipe;
(4) 2898 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock.

ALTERNATIVE BID ITEMS
(1a) 2559 lin. ft. 5-ft. centrifugal concrete pipe sewer;
(1b) 339 lin. ft. 5-ft. circular reinforced concrete sewer (monolithic section);
(2) 11 brick or concrete manholes;
(3) 1715 removing existing 24-in. cast iron pipe;
(4) 2898 lin. ft. 8-in. V.C.P. underdrain covered with concrete or embedded in broken rock.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$16.45	$16.52	$15.90	$15.80	$18.25	$17.56	$17.50	$17.50	$19.50
(2)	95.00	100.00	55.00	75.00	80.00	120.00	100.00	70.00	65.00
(3)	.85	1.50	2.00	2.62	.65	1.00	1.70	1.50	.75
(4)	.35	.20	.85	.85	.10	.75	.50	1.00	.40
(1a)	.....	21.10	16.20	.....	.....	.....	19.50	16.60	20.30
(1b)	.....	18.00	18.00	.....	.....	.....	19.50	22.00	24.00
(2)	.....	100.00	55.00	.....	.....	.....	100.00	70.00	65.00
(3)	.....	1.50	2.00	.....	.....	.....	1.70	1.50	.75
(4)	.....	.20	.85	.....	.....	.....	.50	1.00	.40

	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
(1)	$19.30	$18.20	$19.90	$20.35	$21.00	$21.20	$18.45	$22.77
(2)	53.00	66.00	80.00	70.00	60.00	85.50	75.00	73.00
(3)	.72	1.87	1.25	2.00	2.50	.95	1.50	1.90
(4)	.69	1.81	.75	.90	.50	1.09	1.00	.50
(1a)	19.75	21.20	.....	20.00	.....	.....	.....	.....
(1b)	21.00	20.00	.....	23.00	.....	.....	.....	.....
(2)	53.00	66.00	.....	65.00	.....	.....	.....	.....
(3)	.72	1.75	.....	2.00	.....	.....	.....	.....
(4)	.69	1.81	.....	.90	.....	.....	.....	.....

*Bid out of order.

(6) 7 concrete manholes, (A) $55.00; (B) $100.00;
(7) 7 concrete sidewalk inlets, (A) $47.00; (B) $50.00;
(8) 1 special sidewalk inlet, (A) $72.80 (B) $75.00;
(9) 2 manhole inlets, (A) $77.80; (B) $70.00.

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO—Following bids received by Purchasing Department for furnishing:

(1) A Guage approx. 5/32-inch thick without laying, per sq. yd.
(2) 3/16-in. medium Battleship without laying, per sq. yd.
(3) 6MM approx. ¼-in. thick without laying, per sq. yd.
(4) Extra charge for laying with tacks, per sq. yd.
(5) Extra charge for laying with cement, per sq. yd.

Royal Floor & Linoleum Co.	(1)	$ .975
	(2)	1.22
	(3)	1.49
	(4)	.20
	(5)	.225
D. N. & E. Walter	(1)	.975
	(2)	1.22
	(3)	1.49
	(4)	.20
	(5)	.225
West Coast Linoleum & Carpet Works	(1)	.99
	(2)	1.28
	(3)	1.47
	(4)	.12
	(5)	.17
Van Fleet Freear Co.	(1)	1.03
	(2)	1.285
	(3)	1.565
	(4)	.25
	(5)	.35

Bids held under advisement.

BIDS OPENED

SAN FRANCISCO. — Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. UR-1298, for furnishing automobile truck transportation for fuel delivery for unemployment relief.

	Price per hour
Cole Transfer Co.	$0.14
Evans Auto & Truck Rental	0.18
Carley & Hamilton	0.185
G. W. Thomas Draying Co.	0.24
Skyline Grading Co.	0.245
Joe Calavano	0.27
Guy A. Parke	0.275
Mogan & Co.	0.32

BIDS OPENED

SAN FRANCISCO.—Following bids received by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1296, for furnishing:
(1) 24,000 ft. 25 pair cable;
(2) 4,000 ft. 15 pair cable;
(3) 8,000 ft. 6 pair cable;
(4) 2,500 ft. 3 pair cable.

The bids were:
General Cable Corp., (1) $.26; (2) $.206; (3) $.109; (4) $.099.
Kellogg Switchboard & Supply Co., (1) $.255; (2) $.18; (3) $.09; (4) $.075.
John A. Roebling's Sons Co., (1) $.27; (2) $.208; (3) $.13; (4) $.11.
Westinghouse Electric Supply Co., (1) $.26 (2) $.206; (3) $.109; (4) $.099.
Graybar Electric Co., (1) $.026; (2) $.206; (3) $.109; (4) $.099.
The Electric Corp., (1) $.26; (2) $.206; (3) $.109; (4) $.099.
Coast Electric Supply Co., (1) $.27; (2) $.208; (3) $.12; (4) $.11.
Levison & Savasta, (1) $.027; (2) $.208; (3) $.13; (4) $.11.
American Electric Works, (1) $.255; (2) $.18; (3) $.09; (4) $.075.
Bids held under advisement.

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Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

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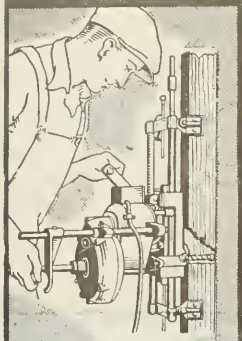

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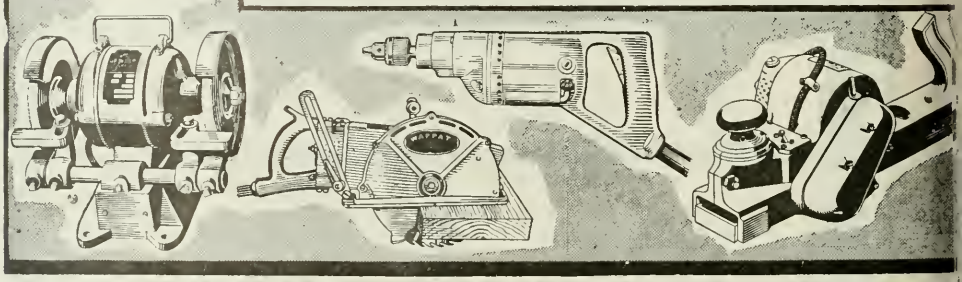

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PACIFIC CONSTRUCTOR
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Vol. XVII SAN FRANCISCO, CALIF., DECEMBER 1, 1934 No. 48

Santa Clara District Calls For Bids On Three Dams; To Open December 14

Bids for construction of dams and a canal to cost approximately 1 million dollars have been called by directors of the Santa Clara Valley Water Conservation District, following official PWA approval of the contracts. The bids will be opened Friday, December 14.

Including construction of the Almaden, Calero and Stevens Creek detention reservoir dams, and the four mile equalizing canal between the first two reservoirs, the contracts will place under construction about half of the project, which is being financed by an appropriation of $2,673,000, of which amount $2,000,000 is provided by a bond issue approved by voters of the district at a special election last June, and the balance by a PWA grantt.

The contract for the first unit of the project, the Vasona percolation dam, was let recently to Carl Swenson, and work on this unit is now underway.

The combined reservoir capacity of the three dams will be approximattely 15,500 acre feet—2000 for the Almaden, 4000 for the Stevens Creek, and 9500 for the Calero—and will represent just half the detention water storage area of the project, according to Leroy Anderson, district secretary.

The district hopes to have the Coyote and Guadalupe dams, the other two detention dams included in the project, under contract in the near future.

The Almaden detention reservoir will be located up that canyon in the western foothills above the Almaden quicksilver mines. This dam will be about 500 feet wide at its crest, 90 feet high at its maximum elevation and will have a 30-foot roadway across its crest.

The Calero dam and reservoir will be located in the bowl of hills four miles south and west of the Almaden canyon. Spanning the second largest reservoir site of the project, though it is a smaller dam comparatively, this will be 900 feet wide and 93 feet high at the maximum.

The Stevens Creek dam will be 100 feet high and 600 feet long. All will be of earth-fill concrte-faced construction, with the state approved foundation studies and specifications completed.

Between the Almaden and the Calero reservoirs will run a four-mile equalizing canal, which will be part of the project on which bids are called Monday. This canal is necessary because the Almaden canyon, which has a large watershed and run-off, has only a small reservoir area, while the Calero canyon has a very small watershed and run-off but a large reservoir area.

Directors of the district expect that work on the three dams will be underway early in January, with a large amount of the ground work out of the way for the start of heavy construction immediately after the winter rains.

The project is designed to create a system of conserving flood waters in reservoirs in order to maintain a water table for wells in the agricultural district of northern Santa Clara county.

RECORD PAYMENT MADE BY BUREAU

An all-time record for disbursement of money through the San Francisco district office of the U. S. Bureau of Public Roads was established Friday, according to District Engineer C. H. Sweetser. The bureau received and approved vouchers totaling $1,000,400, representing progress payments on highway construction contracts in the state of California. The money has been advanced to contractors by the state and the Federal government is reimbursing the state treasury from National Recovery Act funds allotted to highway construction. It is the largest expenditure ever recommended in a single day through the local office, Mr. Sweetser said.

BIDS DEC. 26 ON $261,000 CITY SCHOOL

City Asks Bids on Lawton School; Plans Approved For Marina Group

San Francisco's program of school construction moved forward again Wednesday when bids were called for construction of the Lawton School and plans for the Marina Junior High School were approved.

The Department of Public Works will receive bids December 26 on the Lawton School at Thirtieth avenue near Lawton street, total cost of which has been estimated at approximately $261,000. Bids are being taken on three separate contracts, for general work, mechanical equipment and plumbing, and electrical work. Amount of the general contract is estimated at $220,000, mechanical equipment and plumbing at $29,000, and electrical work at $12,000.

Plans, which were drawn by Architects Dodge, R. Riedy and Charles E. J. Rogers, call for a two-story and basement building, to contain fifteen classrooms, an auditorium, kindergarten and library. The building will have concrete frame and walls, with concrete floors, tar and gravel roof, wooden studs, metal lath, and a steam heating system. Hyman Rosenthal is structural engineer and Robert L. St. John mechanical engineer for the project.

Plans for the Marina Junior High School, as approved call for a three-story reinforced concrete building to contain twenty-eigh classrooms, fifteen special rooms and two choral rooms; a steel frame gymnasium; steel frame auditorium with a seating capacity of 1600 persons; and six reinforced concrete shop. Plans were prepared by Architects George Kelham, W. P. Day, and John Bakewell, Jr.

Bids on the Marina School will be asked shortly, as final approval by the State Division of Architecture has been received.

Bids Dec. 20 on Bay Bridge Approach Viaduct; Daly City Work Advertised

SACRAMENTO, Nov. 27.—Bids on three projects, including the approach viaduct and other work necessary for completion of the San Francisco section of the San Francisco - Oakland Bay Bridge, construction of a portion of highway in Daly City to cut out the "Daly City Bottleneck", and a six-span bridge across the Feather River in Plumas county. were called today by the State Highway Commission.

Bids will be opened in San Francsco December 20 for construction of the Bay Bridge approach and incidental work. The work involves construction of the vehicular approach viaduct from Fifth and Harrison Streets to the bridge proper (extending from Fifth Street to Rincon Hill), the toll plaza at Fifth and Harrison, two ramps from the bridge to First Street, one from each deck, the grading and paving of streets and all incidental work except wiring and lighting fixtures necessary to complete the San Francisco section and approaches. Work on this project will be let under two separate contracts.

Bids on the Daly City project will be opened in Sacramento December 19. The contract calls for grading and paving with asphalt concrete about one and seventenths miles between Huron Street and San Pedro Avenue, and involves major items of approximately 30,500 cubic yards unclassified roadway excavation, 80,000 station yards overhaul, 110,000 gals. waterings, 9,250 tons crusher run base, 18 tons screenings, 46,000 c. yds. asphalt paint binder, 21,350 tons asphalt concrete, 850 cubic yards Portland cement concrete pavement, 1400 cubic yards cement concrete sidewalks, curbs and gutters, 4,585 feet of reinforced concrete pipe, 6,050 feet of vitrified clay pipe, 200 feet corrugated metal pipe, 300 ft. perforated metal pipe underdrains, and numerous others.

On the Plumas county bridge bids will also be opened in Sacramento December 19. The bridge will cross the North Fork of the Feather River at Rock Creek, and will consist of one 205-foot arch span, four 40-foot and one 20-foot reinforced concrete girder spans on concrete piers and abutments. The work involves major items of approximately 700 cubic yards of structure excavation, 830 cu. yds. Portland cement concrete structures, 342 cubic yards Portland cement concrete arch ribs, 184,000 pounds bar reinforcing steel, 38,700 pounds structural steel, and 828 pounds bronze.

New orders for steel boilers during the first nine months of 1934 numbered 3,535, as compared with 3,099 during the corresponding period last year, according to statistics compiled by the Bureau of the Census.

ASK BIDS ON BULKHEAD AT GOV'T ISLAND

Coast Guard Re - Advertises $300,000 Oakland Project; Previous Bids Rejected

The Government has re-advertised a contract for construction of a bulkhead and other improvements at the Coast Guard base at Government Island. Bids are to be opened December 13 at the Washington, D. C., offices of the Coast Guard.

At a previous bid opening last March Healy-Tibbitts Construction Company of San Francisco, submitted the low bid, with a figure of $328,000. Bids received at that time were taken under advisement and recently were rejected as they exceeded the amount available for the work.

Plans and specifications for the project have been revised with a view to bringing the cost of the work within the amount appropriated for it.

Present plans call for construction of a steel sheet pile bulkhead, to be approximately 1,528 feet in length; a boat basin, launchway, timber and concrete anchorages and other facilities.

Plans and specifications may be obtained by local contractors desiring to bid on the work from the Coast Guard Civil Engineer at Government Island.

LUMBER CODE APPEAL HEARING DECEMBER 11

The National Industrial Recovery Board today notified the Lumber Code Authority that it will hold a public hearing in Washington, December 11, on the appeal of a group of lumber operators in the West Coast Division from the action of the Authority in Chicago, October 5, rejecting their application for the elimination of minimum cost protection price regulations in the West Coast Division.

The appeal to NRA was supported by the Trustees of the West Coast Division in a resolution adopted October 30.

A.G.C. MEET SLATED FOR DEC. 14-15

Invite Other State Groups to Northern Calif. Chapter Convention Here

The Northern California Chapter of Associated General Contractors of America will hold its 16th Annual Convention at the Palace Hotel, San Francisco, on December 14 and 15, according to announcement made today by R. D. Watson, President.

According to Mr. Watson, the Board of Directors of the Chapter has taken a poll of the membership in regard to whether or not the Chapter should re-establish its old plan of a large convention to be followed by banquet and entertainment as was the practice up to several years ago and the sentiment was unanimously in favor of such plan.

In addition, there seems to be a general feeling among the contractors that the construction industry is at the beginning of a more favorable era insofar as volume of work is concerned, and that there are many industry problems which require some concerted action on the part of the interested groups. The Chapter Convention therefore, according to Mr. Watson, provides an open forum general discussion of these mutual problems, and the adoption of appropriate action which can be carried to engineers and officials locally and to the National A.G.C. office as well.

Among problems of this nature are the rules and regulations of the PWA Administration, with which general contractors are just beginning to become closely acquainted, as well as the rules and regulations of various other federal and state bureaus that have been promulgated as a result of new federal and state laws.

The Convention plans this year, according to Floyd O. Booe, Secretary-Manager, also contemplate a regional conference of A.G.C. members from the eleven Western states, having to do with problems of mutual interest and also to formulate a platform of recommendations to be submitted to the National A.G.C. headquarters, expressing the viewpoint of the members of these eleven states. Carrying out this plan, the Western Chapters have been requested to send representatives to a preliminary conference to be held at the Palace Hotel on Thursday, December 13.

Other California Chapters, including the Southern California Chapter at Los Angeles, the San Diego Chapter, the Central California Chapter of California, and other groups have also been requested to have all of their members participate in all of the Convention sessions, including the preliminary conference to be held on December 13.

DISTRICT ASKS PWA LOAN FOR POWER PLANT

Sacramento Will Seek Reinstatement of $11,700,000 Allocation to Utility

Request for a PWA loan and grant of $11,700,000 with which to build the Sacramento municipal utility district power plant and distribution system has been ordered by the district directors.

Albert Givan, district engineer and general manager, was authorized to make an immediate informal request for the money.

The PWA grant and loan to be sought was allocated to the district last year for the construction of the Silver Creek project. When the district directors found they could not go through with the plan they immediately relinquished the grant to the federal government.

Of the $11,700,000 allocated by the PWA, $2,000,000 was an outright grant, the remaining sum to be paid back at a small rate of interest.

In speaking of the proposed request, Givan said:

"Should the federal loan and grant not become available, that will in no way affect our construction plans. We have voted the bonds and they will provide sufficient money with which to build the project."

BIDS ON LARGE CEMENT ORDER OPENED IN L. A.

Metropolitan Water District Receives Proposals For Aqueduct Material

LOS ANGELES, Nov. 27.—The Metropolitan Water District of Southern California opened bids today on two contracts for furnishing between 1,300,000 and 5,800,000 barrels of Portland cement, to be used in construction of the Colorado River Aqueduct.

Bids were submitted by Santa Cruz Portland Cement Company and by California Portland Cement Company, Monolith Portland Cement Company, Riverside Cement Company and Southwestern Portland Cement Co., bidding jointly.

On the larger of the two contracts, for furnishing between 1,120,000 and 5,000,000 barrels of cement, both bidders submitted identical figures of $1.49 per barrel on Schedule 1, Item 1. On Items 2, 3, and 4 the group bidding jointly submitted proposals of $1.47, $1.45, and $1.40, respectively, while Santa Cruz company submitted no bids on these items.

On the smaller of the contracts, for furnishing between 200,000 and 800,000 barrels of cement both bidders submitted identical proposals of $1.49 per barrel.

Material Prices Decline Slightly During October

The building materials index compiled by the U. S. Bureau of Labor Statistics declined to 85.2, in October, indicating a drop of about one-half of one per cent in price average for the group from the September level.

The decline was due to lower prices of brick and tile, lumber, paint and paint materials, plumbing and heating fixtures and miscellaneous building materials. Average prices of cement and steel were unchanged.

"Building material prices are now higher by 1½ per cent than October, 1933," the bureau reports. "The present index, 85.2 compares with 83.9 for a year ago. Current prices are on the average approximately 20 per cent higher than two years ago and 11 per cent lower than the general average for October, 1929."

Following is a comparison of building material indexes for October and September and October, 1933:

	Oct. 1934	Sept. 1934	Oct. 1933
Building materials	85.2	85.6	83.9
Brick and tile	91.2	91.3	84.6
Cement	93.9	93.9	91.2
Lumber	82.0	82.3	84.2
Paint and paint materials	79.4	79.5	76.1
Plumbing and heating	68.1	71.6	74.7
Structural steel	92.0	92.0	86.8
Other building materials	89.3	89.8	87.1

$164,000 Contracts Awarded by Nevada Highway Directors

CARSON CITY, Nev., Nov. 27.—Bids were opened and contracts awarded for highway work to cost approximately $164,000 by the Nevada State Highway Directors today.

Dodge Construction, Inc., of Fallon, submitted low bid for construction of about six miles of the State highway system in Nye county between Calloways and Currant, Route 4, Section D3. Amount of the low figure was $63,630. Second low bid was submitted by Fredrickson and Watson Construction Company of Oakland, at $65,979.

On a contract for reconstruction of about fifty miles of the State highway system in Elko county between Wells and four miles south of Salmon River, low figure was submitted by Wm. Hoops Construction Company of Twin Falls, Ida., at $100,811. Utah Construction Co. of Ogden, Utah, was second low bidder, with a figure of $101,250. Work is to be done on Route 13, Sections C1, C2 and C3.

Contracts were awarded to the low bidders in both instances.

CONNOLLY LOW ON TOULUMNE TUNNEL WORK

Submits $98,812 Figure; Morrison - Knudson Second At $98,814

Low bid was submitted to the San Francisco Public Utilities Commission Friday by T. E. Connolly, at $98,812, for construction of Tunnel No. 1-B of the Lower Cherry Aqueduct, a portion of the Hetch Hetchy water supply project.

The figure of Morrison-Knudsen Company of Los Angeles, second low bidder on the work, exceeded the low bid by only two dollars, the amount of their total bid being $98,814.

All bids were taken under advisement by the Commission.

The tunnel will be 2190 feet in length and will replace an existing wood flume of the Lower Cherry Aqueduct in Toulumne county. The work involves major items of approximately 6900 cubic yards tunnel excavation, 5000 feet of permanent timbering in the tunnel, 200 cubic yards concret lining in the tunnel, 5000 pounds reinforcing steel, placing 5000 pounds of metal work furnished by the city, and others.

Total bids submitted on the project were as follows:

T. E. Connolly, S. F.	$ 98,812
Morrison-Knudsen, L. A.	98,814
Healy-Tibbitts, S. F.	106,324
S. H. Palmer Co. ,S. F.	116,900
MacDonald & Kahn, S. F.	120,650

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SAN FRANCISCO

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
601	American	Firebrick	1750
602	Matli	El Rey	7500
603	Stoneson	Owner	3000
604	McAffe	S. F.	1000
605	Heglin	Owner	3000
604	Watts	Moore	4755
605	Moss	Mullen	1800
606	Best	Owner	2000
607	Jorgensen	Owner	8000
608	San Francisco	Van Fleet	1000
609	Halsen	Owner	4000
610	Cassaretto	Owner	3500
611	Hellesoe	Huggard	3000
612	Irving	Owner	4000
613	Hellesoe	Huggard	2000
614	Brain	Owner	1000

ALTERATIONS
(601) NO. 329 BRYANT ST. Alter factory.
Owner — American Marine Painting Co., Premises.
Architect—Not Given.
Contractor—J. & J. Firebrick Co., 1184 Harrison St., San Francisco. $1750

FLATS
(602) N LIBERTY 125 W Dolores; 2-story and basement frame flats (2 families).
Architect—Geo. Ralph, 110 Sutter St.
Contractor—El Rey Bldg. & Cabinet Co., 430 Holloway. $7500

DWELLING
(603) E 27th AVE 25 N Vicente; one-story and basement frame dwelling.
Owner—Stoneson Bros. & Thorinson, 1630 Ocean Avenue.
Architect—Chas. F. Strothoff, 2274 15th Street. $3000

RETAINING WALL
(604) SW LONDON and France; retaining wall.
Owner—Frank McAffe, 608 Miramar.
Architect—Not Given.
Contractor — San Francisco Concrete Co., 98 Harrington. $1000

DWELLING
(605) W 28th AVE 75 N Kirkham; 1-story and basement frame dwelling.
Owner—Phil Heglin, 1245 24th Ave.
Architect—Not Given. $3000

DWELLING
(604) N BELGRAVE 265 E Stanyan; one-story frame dwelling.
Owner—Mr. and Mrs. Robt. S. Watts, care contractor.
Architect—Wm. I. Garren, 233 Post.
Contractor—Moore & Roberts, 693 Mission Street. $4755

ALTERATIONS
(605) 816 MARKET ST.; alter store.
Owner—Moss Stores, 833 Market St.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street. $1800

ALTERATIONS
(606) NO. 1900 BRYANT ST. Alter office building.
Owner—The Best Foods Co., Inc., 1900 Bryant St., San Francisco.
Engineer—K. Theill, 580 Market St., San Francisco. $2000

DWELLING
(607) N JEFFERSON ST. 200 E Fillmore St. Two-story and room on roof frame dwelling.
Owner—M. P. Jorgensen, 2225 North Point St., San Francisco.
Architect—Not Given. $8000

ALTERATIONS
(608) NO. 625 THIRD ST. Alter warehouse.
Owner—S. F. Warehouse Co., Third and Brannan Sts., S. F.
Architect—Not Given.
Contractor—Van Fleet-Freear Co., 557 Howard St., S. F. $1000

DWELLING
(609) E FOURTEENTH AVE 195 S Santiago St. One-story and basement frame dwelling.
Owner—A. Halsen, 2427 25th Ave., San Francisco.
Architect—Not Given. $4000

CONVEYOR, ETC.
(610) E SIXTH ST. 50 E Berry St. Conveyor and aggregate bunker.
Owner—John Cassaretto, Sixth and Channel Sts.
Architect—Not Given. $3500

STATION
(611) NW PACIFIC AVE. & MONTgomery St. One-story Class C service station.
Lessee—G. C. Hellesoe, Premises.
Architect—Not Given.
Contractor — John W. Huggard, 915 Rialto Bldg., S. F. $3000

DWELLING
(612) NW THIRTIETH AVE. AND Kirkham St. One-story and basement frame dwelling.
Owner—Irving Bldg. Co., 1491 39th Ave., San Francisco.
Architect — C. O. Clausen, 746 46th Ave., San Francisco. $4000

ALTERATIONS
(613) NW PACIFIC AVE. & Montgomery St. Alter service station and garage.
Lessee—G. C. Hellesoe, Premises.
Architect—Not Given.
Contractor — John W. Huggard, 915 Rialto Bldg., S. F. $2000

DWELLING
(614) SW SHAKESPEARE 375 SE Head St. One-story frame dwelling.
Owner—Jennie Brain, 515 Russia Ave San Francisco.
Architect—Not Given. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
461	Netherby	Owner	4000
462	Home	Windsor	5000
463	Standard	Owner	3000
464	Chevrolet	Christensen	7000
465	Holroyd	Davis	1000
466	Bradford	Owner	1000
467	Guy	Appelbe	4500

DWELLING
(461) NO. 753 KEELER ST., BERKELEY. One-story 6-room frame dwelling.
Owner—W. A. Netherby, 3853 Lyman Road, Oakland.
Architect—Not Given. $4000

DWELLING
(462) NE COR. 22nd and Valley Sts., OAKLAND; 1-story 5-room dwelling (Exhibition House).
Owner—Home Planning Bureau, 21st and Broadway, Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont. $5000

SERVICE STATION
(463) 4400 PIEDMONT AVE., OAKLAND; 1-story brick service station and alterations to service station.
Owner—Standard Oil Co., 1201 Financial Center Bldg., Oakland.
Plans by Owner. $3000

ADDITION
(464) NO. 6901 FOOTHILL BLVD., OAKLAND. Brick addition to factory.
Owner—Chevrolet Motor Co., Prem.
Arcihtect—Not Given.
Contractor — H. J. Christensen, 1955 Webster St., Oakland. $7000

ADDITION
(465) NO. 5378 BOYD AVE., OAKLAND. Addition.
Owner—Harold Holroyd, Premises.
Arcihtect—Not Given.
Contractor—H. W. Davis, 5872 Morpeth St., Oakland. $1000

FINISH
(466) NO. 3951 WHITTLE AVENUE, OAKLAND. Interior finish.
Owner—Mrs. H. B. Bradford, Prem.
Architect—Not Given. $1000

ALTERATIONS
(467) NO. 2511 BANCROFT WAY, BERKELEY. Alterations.
Owner—Mrs. G. Guy, Premises.
Architect—Not Given.
Contractor—Frank G. Appelbe, 1067 Walker St., Berkeley. $4500

BUILDING CONTRACTS

ALAMEDA COUNTY

58	Herrscher	Anderson	3429

REMODELING
(58) NW COR. WASHINGTON Ave and Ward St., San Leandro; remodeling 2-story frame bldg.
Owner — Mrs. Clara Herrscher, San Francisco.
Architect—Williams and Wastell, 374 17th St., Oakland.
Contractor—Walter H. Anderson, 1424 Barrows Road.
Filed, Nov. 23, '34. Dated, No. 22, '34.
Four progress payments.
Usual 35 days, final payment or 25%
TOTAL COST, $3429.00
Bond, $1750. Sureties Walter H. Anderson, Lee Scaramelli, J. G. Young. Forfeit, $1 per day. Limit, 45 days. Plans and Spec. filed.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

Recorded			Amount
107	Sperry	Morris	3218

ALTERATIONS
(107) NO. 2567 GREEN ST. All work for alterations to dwelling.
Owner—John A. & Lillian M. Sperry, Premises.
Architect—Not Given.
Contractor—A. T. Morris & Sons, 3500 Fulton St., San Francisco.
Filed Nov. 26, '34. Dated Nov. 7, '34.
HOLC Contract.
TOTAL COST, $3218.85
Bond, $3218.85. Surety, Central Surety & Insurance Corp. Limit, 75 days. Forfeit, none. Plans and specifications filed.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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Offices
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14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

To Be Done By Day's Work.
ALTERATIONS Cost, $3750
SAN FRANCISCO. No. 825 Sacramento Street.
Alterations to apartments.
Owner—Shoong Investment Co.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.

Contract Awarded
APARTMENTS Cont. Price, $4995
SAN JOSE, Santa Clara Co., Calif. Ninth and San Carlos.
Two - story frame and stucco apartment building (two 4-room apts.) shingle roof, gas heating system, hardwood floors, tile floors in bath, etc.
Owner—N. C. Riley.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Contractor—J. V. Gohranson, N Tenth St., Route 2, Box 231, San Jose.
Complete bids follow:

J. V. Gohranson, San Jose	$4,995
J. W. Osborne	4,998
J. E. Perkins	5,100
M. W. Reese	5,175
Dyke Walton	5,190
H. Bolwin	5,210
Robert Gray	5,232
Wm. H. Schwartz	5,375
P. M. Doyle	5,440
Frank Neves	5,468
R. Herschbach	5,607
N. J. Nielsen	5,745
Frank Edmans	5,993

Bids In—Held Under Advertisement
APARTMENTS Cost, $——
OAKLAND, Alameda Co., Cal. Lake Merritt District.
Two-story frame and stucco apartments (four 4-room apts.) terra cotta tile roof, gas furnace, hardwood floors, tile baths, etc.
Owner—Withheld.
Architect—Newsom & Newsom, Russ Bldg., San Francisco.

3— CHURCHES

Plumbing Contract Awarded
CHURCH Cost, $45,000
BERKELEY, Alameda Co., Cal. Vine and Walnut Streets.
One-story frame and stucco church (auditorium to seat 300; 10 classrooms, social hall with stage) tile and composition roof, hot air heating system, etc.
Owner—Church of Jesus Christ of the Latter Day Saints.
Architect—Theo. Ruegg, 1515 Tyler St. Berkeley.
Supt. of Const.—Fred Ebersole, 2929 Harper St., Berkeley.
Plumbing Jevons Plbg. and Htg. Co., 1514 University Ave., Berkeley.
As previously reported, lumber contract awarded to Hogan Lumber Co., Second and Alice Sts., Oakland; concrete to Stead Bros., 3206 Boise St., Berkeley; excavation to J. Catucci, 1212 18th Ave., Oakland.

4— FACTORIES & WAREHOUSES

Contract Awarded
ALTERATIONS Cost, $2000
SAN FRANCISCO. 329 Bryant St.
Alterations to factory.
Owner—American Marine Painting Co. 329 Bryant Street.
Architect—Not Given.
Contractor—J. & J. Firebrick Co., 1181 Harrison Street.

Sub-Contracts Awarded.
LOCKER ROOM Cost, $1350
SAN FRANCISCO. W Tenth St. 186 N Bryant Street.
Two-story Class B locker room.
Owner—Milwaukee Brewery Co., 490 Tenth St., San Francisco.
Engineer — Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Steel Sash — Michel & Pfeffer Iron Works, Harrison and Tenth Sts.
Concrete — Golden Gate Atlas Materials Co., 16th and Harrison Sts.

Contract Awarded
ADDITION Cost, $25,000
SAN FRANCISCO. S. Brannan St. bet. 2nd and 3rd Sts.
Three-story addition to one-story mill building (55x137 ft.) mill construction.
Owner—San Francisco Warehouse Co.
Engineers Ellison & Russell, Pacific Building.
Contractor—Cahill Bros., 206 Sansome Street.

Sub-Contracts Awarded
REPAIR LOFTS Cost, $5000
SAN FRANCISCO. 131 Clay Street.
Repairs to loft building.
Owner—Mr. Forbes, % 2048 Market Street.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street.
Glass—Habenicht & Howlett, 529 Clay Street.
Electric Golden Gate Electric Company, 1526 California Street.
Lumber—J. H. McCallum Lbr. Co., 748 Bryant Street.

Sub-Contracts Awarded.
SHOP Cont. Price, $9850
MODESTO, Stanislaus Co., Calif. 8th and L Streets.
One-story machine and repair shop (summerbell roof trusses).
Owner—City of Modesto.
Plans by City Engineer, Modesto.
Contractor — Ernest Green, Sycamore Ave., Modesto.
Roofing—Jones Bros. Asbestos Co., 370 Second St., San Francisco.
Plumbing and Sheet Metal — H. A. Truehlood, Modesto.
Glass—Central Glass Co., Modesto.
Lumber—United Lumber Co., Modesto
Hardware—Turner Hardware Co., Modesto.

Contract Awarded
ADDITION Cost, $7,000
OAKLAND, Alameda Co., Calif. 6301 Foothill Boulevard.
Owner—Chevrolet Motor Co., 6901 Foothill Blvd., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—H. J. Christensen, 1955 Webster St., Oakland.

Contract Awarded
MFG. PLANT Cost, $14,000
SAN JOSE, Santa Clara Co., Calif. New Montgomery Street.
One-story brick and steel iron manufacturing plant (50x137 ft.) tar, gravel and part tile roof, concrete and wood floors, etc.
Owner—Harold Hellwig, 577 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Contractor—N. J. Nielsen, 1270 Iris Court, San Jose.

Prospective Bidders
SHOP, ETC. Cost, $——
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
One - story galvanized iron machine shop (30x80 ft.) and graveling open storage areas.
Owner—City of Stockton (Port Dist.) Thos. C. Louttitt, Asst. Secty., City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Following have procured plans. Bids close Dec. 4, 4 P. M.:
Frank Guyon, 1211 E. Main Street, Stockton.
O. H. Chain, 41 S. Sutter St., Stockton.
C. H. Dodd, 1738 West Rose Street, Stockton.
John Hachman, P. O. Box 206, Stockton.
George Roek, 1724 W. Cornell St., Stockton.
S. C. Giles, 121 W. Knowles Way, Stockton.
G. A. Grider, 409 E. Weber Street, Stockton.
Robert E. McCarthy, 1363 14th Ave., San Francisco.
Biasotti, Willard and Biasotti, 40 W. Clay St., Stockton.
W. J. Scott, 1661 W. Poplar Street, Stockton.
T. Jensen, Rte. 2, Box 146-A, Stockton.

Prospective Bidders
GEAR SHED Cost, $——
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
Two galvanized iron gear sheds (30x76 feet).
Owner—City of Stockton (Port Dist.) Thos. C. Louttitt, Asst. Secty., City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Following have procured plans:
J. C. Nunley, 1735 W Rose Street, Stockton.
Frank Guyon, 1211 E. Main Street, Stockton.
O. H. Chain, 41 S. Sutter St., Stockton.
C. H. Dodd, 1738 West Rose Street, Stockton.
John Hachman, P. O. Box 206, Stockton.
Robert E. McKee, 108 W. 6th St., Los Angeles and Stockton.
George Roek, 1724 W. Cornell St., Stockton.
S. C. Giles, 121 W. Knowles Way, Stockton.
G. A. Grider, 409 E. Weber Street, Stockton.
Robert E. McCarthy, 1363 14th Ave., San Francisco.
W. J. Scott, 1661 W. Poplar Street, Stockton.

T. Jensen, Rte. 2, Box 146-A, Stockton.
Grinnell Company of the Pacific, 5th and Brannan Sts., San Francisco.

Sub-Contracts Awarded
ALTERATIONS Cost, $8000
SAN FRANCISCO, 657 Mission St.
Alterations and additions to warehouse and offices (install developing plant on second floor).
Owner—Owl Drug Co., 657 Mission St.
Plans by Engineering Dept. of Owner.
Contractor—Louis C. Dunn, Monadnock Building.
Lumber—J. H. McCallum, 748 Bryant Street.
Painting—A. A. Zelinsky, 100 Lake Street.
Brick Work—Wm. Rainey, 323 Clementina Street.
Plumbing—Fisher & Wolfe, 205 Tehama Street.
Other awards will be made in about ten days.

Awaiting PWA Approval.
WAREHOUSES Cost, $103,000
STOCKTON, San Joaquin Co., Calif. Stockton Harbor.
Three 1-story brick warehouses (100 x 160 feet each) (to be known as warehouses E, J and K.)
Owner—City of Stockton (Port Dist.), City Hall, Stockton.
Plans by Engineering Dept. of Stockton Port District.
It is expected bids will be asked within one week.

Structural Steel Contract Awarded
ADDITION Cost, $6,000
OAKLAND, Alameda Co., Calif. 966 81st Street.
One-story steel and brick addition to factory (60x70 ft.) steel trusses, steel sash, concrete floors, etc.
Owner—Blue Bird Potato Chip Co., 966 81st St., Oakland.
Plans by Engineering Dept. of Owner.
Structural Steel—Judson Pacific Co., foot of Park Ave., Oakland.

5— FLATS

Contract Awarded
FLATS Cost, $7500
SAN FRANCISCO, N Liberty St. 125 W. Dolores Street.
Two - story and basement frame and stucco flats (2 flats).
Owner—A. Matli, 3637 19th Street.
Architect—George Ralph, 110 Suter.
Contractor—El Rey Building & Cabinet St., 430 Holloway Street.

6—GARAGES & SERVICE STATIONS

To Be Done By Day's Work
ALTERATIONS Cost, $2000
SACRAMENTO, Sacramento Co., Cal. 35th St. and Stockton Blvd.
Alterations to service station.
Owner—Standard Oil Co., Tenth and J Sts., Sacramento.
Plans by Engineering Dept. of Owner.

Contract Awarded
SERVICE STATION Cost, $7,000
ALAMEDA, Alameda Co., Cal. Lincoln and Park Streets.
Steel and concrete service station.
Owner—General Petroleum Corp., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna St., Oakland.

Plans Completed
SERVICE STATION Cost, $3000
OAKLAND, Alameda Co., Calif. 4400 Piedmont Avenue.
One - story brick service station and general alterations to present bldg.
Owner—Standard Oil Co., 1201 Financial Center Bldg., Oakland.
Plans by Engineering Dept. of Owner.

Contract Awarded.
SERVICE STATION Cost, $3000
OAKLAND, Alameda Co., Cal. No. 4400 Piedmont Avenue.
One-story brick service station and general alterations to present bldg.
Owner—Standard Oil Co., 1201 Financial Center Bldg., Oakland.
Plans by Engineering Dept. of Owner.
Contractor — George Anderson, 211 Hanover St., Oakland.
(5629) 1st report Nov. 27, 1934. * 6

November 28, 1934

Plans Being Completed.
SERVICE STATION Cost, $10,000
MARYSVILLE, Yuba Co., Cal. NE Fifth and E Streets.
Steel service station.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner.
Bids will be asked in about two weeks.

7— FEDERAL BUILDINGS

Contract Awarded.
ADDITION Cont. Price, $9975
SAN FRANCISCO. Fourteenth Ave. and Lake St. (Marine Hospital).
Construct addition to plague laboratory.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor— M . E. Vukicevich, 666 Mission St., San Francisco.
Complete bids published Nov. 13.

Sub-Contracts Awarded.
POST OFFICE Cont. Price, $30,990
SANTA CLARA, Santa Clara Co Cal. SW Franklin and Jackson Sts.
One-story Post Office building (concrete walls, composition roof, steel sash, one-pipe steam heating system) 60x60 ft.; Mission style.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.
Structural Steel—Herrick Iron Works
Miscellaneous and Ornamental Iron—Star Ornamental Iron Works, 1271 Folsom St., San Francisco.
Sheet Metal—Morrison & Co., 74 Duboce Ave., San Francisco.
Compositon Roofing — J. W. Bender Roofing Co., 18th and Bryant Sts., San Francisco.
Finish Hardware—Yale & Towne, 7 Front St., San Francisco.
Glass—Cobbledick & Kibbe, 236 W. Santa Clara St., San Jose.
Plumbing and Heating—Scott Co., 243 Minna St., San Francisco.
Electric — Roy Butcher, 1020 Sherwood St., San Jose.

PLANS COMPLETED
LOS ANGELES, Cal. — Grant & Bruner, 607 Ferguson Bldg., completed engineering and architectural plans and have the contract to erect a two and three-story reinforced concrete and steel addition to baking plant(56x155 ft.) at 8800 Venice Blvd. for Helms Bakeries. Cost, $50,000.
Structural steel contract awarded to Consolidated Steel Corp., Slauson and Eastern Aves. 4

BIDS WANTED
FRANCE FIELD, Canal Zone.—Until December 17, 10 A. M., bids will be received by the Constructing Quartermaster, Fort Mason, San Francisco for the construction of field officers' quarters, company officers' quarters, and bachelor officers' quarters and untilities and appurtenances at France Field, Canal Zone.
Plans and specifications may be obtained from above office and from the Bureau of Yards & Docks, Navy Department, Washington, D. C., upon deposit of $5.00. *

November 26, 1934

BIDS OPENED
PALO ALTO, Santa Clara Co., Cal.—Following bids received by Veterans Administration Faciljty for complete revisions to Building No. 105 at the Veterans' Administration Facility at Palo Alto. Work involves wrought iron and wire grilles and remodeling of interior for use as mental word.
(1) add for asphalt tile in corridors and certain rooms.
J. E. Branagh, Oakland..... $15,907
.....(1) 7,127
60 days
C. M. Norgrove, Berkeley..... $15,475
.....(1) 6,500
100 days
N. H. Sjoberg, San Francisco. $15,943
.....(1) 6,883
90 days
A. H. Vogt, San Francisco.....$16,845
.....(1) 7,000
90 days
F. J. Reilly, San Francisco.....$16,931
.....(1) 7,221
75 days
George Moore, Palo Alto..... $17,175
.....(1) 7,450
75 days
Monson Bros., San Francisco...$17,525
.....(1) 6,866
110 days
W. P. Goodenough, Palo Alto....$18,250
.....(1) 7,200
80 days
Leo Epp, San Francisco $19,877
.....(1) 6,975
75 days

Bids Wanted—To Close December 14, 1 P. M.
POST OFFICE Cost, $51,700
CLAREMONT, Los Angeles Co., Cal.
Construct United States Post Office.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.

CONTRACT AWARDED
SAN DIEGO, Cal.—Kyle Steel Construction Const. Co., 5555 Magnolia St., Los Angeles, awarded contract by Bureau of Yards and Docks, at $773 for structural steel for Bldg. No. 20, Naval Operating Base (Destroyer Base), San Diego. Spec. 7843. Government will furnish crane and rails.

CONTRACT AWARDED
SAN FRANCISCO. — General Engineering and Drydocking Co., 1100 Sansome Street, at $1,985 awarded contract by Navy Department for repairing an existing refrigeration plant, having equipment located in several buildings and for consolidating and re-installing equipment in one basement room of Bldg. No. 11, at the Receiving Ship Station, Yerba Buena Island, San Francisco Bay; Spec. No. 7830.

BIDS WANTED
SEATTLE, Wash.—Bids are being received by the Custodian, Seattle Post Office for furnishing new partitions for the old post office building in Seattle.

BIDS WANTED
SAN FRANCISCO—Until December 7, 10 A. M., bids will be received by H. N. Krenkel, U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco, for work as follows:
(1) Roof repairs, Main building No. 1; (a) plaster repairs.
(2) Roof repairs, Attendants quarters building No. 7.
(3) Nurses' Quarters Bldg. No. 8:
(a) Roofing repairs.
(b) Pointing of steps, west end of building.

(c) Calking and pointing pilasters west end.
(d) Calking threshold east doors, and both side lights of center entrance portico.
(4) Plague Laboratory, Bldg. No. 19: (a) repair copper parapet flashings and cornice.
(5) Plaster repairs in Bldg. No. 2: (Sterilizing room and stair well).
Specifications may be obtained from above office.

CONTRACT AWARDED

BEVERLY HILLS, Los Angeles Co. Calif. — Neuman Bros., McMinnville, Oregon, at $966 awarded contract by Treasury Department, Washington, D. C., for painting the plaster in the U. S. Post Office at Beverly Hills.

BIDS OPENED

SAN FRANCISCO. — R. S. Silverberg, 405 Montgomery Street, at $418 submitted low bid to Veterans' Administration Facility, Palo Alto, for the construction of a pool and main court at the Veterans' Administration Facility, Fort Miley, San Francisco.
Complete bids follow:

R. S. Silverberg	$418
A. Nelson (disc. 2%, 10 days)	443
Thomas Jones	464
Nielson & Lahti, Berkeley	475
A. H. Vogt	480
Robert Gallway	520
N. H. Sjoberg	593
Frank J. Reilly	671
E. J. Treacy	725

All bidders of San Francisco unless otherwise specified.

Tentative Plans Approved

POST OFFICE Cost, $89,000
HAYWARD, Alameda Co., Calif.
One-story reinforced concrete post office building.
Owner—United States Government.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

8— CLUB BUILDINGS

Preparing Sketches.

SOCIAL CENTER Cost, $——
SAN RAFAEL, Marin Co., Cal. Fifth and Court Streets.
Community social service building.
Owner—County of Marin.
Architect—Fred. H. Meyer, 525 Market St., San Francisco.
Further details will be announced shortly.

9— HOSPITALS

Plans Being Figured—Bids Close Dec. 5, 2:30 P. M.

ALTERATIONS Cont. Price, $3348
WOODLAND, Yolo Co., Calif. County Hospital Grounds.
Alterations to half of basement to provide for 30 additional beds at Yolo County Hospital (basement to be walled and floored with concrete; heating and plumbing facilities, etc.)
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Plans and specifications may be obtained from the architect, O. A. Deichmann, upon deposit of $10.
Contracts were previously awarded to J. G. Motroni, Woodland, on the general contract at $3348 and the plumbing & heating contract awarded to Woodland Plumbing & Hardware Co., Woodland, at $850, but due to error in official advertisement new bids were asked.

Additional Sub-Contracts Awarded.

HOME Cont. Price, $67,388.50
EL CERRITO, Contra Costa Co., Cal. Outside Perkeley city limits.
Construction of new home for orphan Chinese boys (2-story reinforced concrete structure to accommodate 75).
Owner—Chung Mei Home, 3000 Ninth St., Berkeley (Dr. Chas. Shephard, Supt.)
Architect—Frederick Reimers, 233 Post St., San Francisco.
Contractor—Ira W. Coburn, 2048 Market St., San Francisco.
Plywood—Howard & Co., 80 Howard St., San Francisco.
Wastemold—August Dackert, 1450 15th St., San Francisco.
Lumber—Tilden Lumber Co., Foot of University Ave., Berkeley.
Sheet Metal—Toby Christensen, 4464 Pleasant Valley Court, Berkeley.
Steel Sash — Michel & Pfeffer Iron Works., Harrison and Tenth Sts., San Francisco.
Electric—Scott Buttner Co., 23rd and Webster Sts., Oakland.
Ornamental Iron — Frauneder Iron Works, 535 8th St., Oakland.

Plans Being Prepared.

WARD Cost, $2500
SAN RAFAEL, Marin Co., Cal. County Farm.
One-story tuberculosis ward at County Hospital.
Owner—County of Marin.
Architect—I. Zanolini, 604 Montgomery St., San Francisco.

Contract Awarded

DORMITORY Cont. Price, $7,760
SAN JOSE, Santa Clara Co., Calif. Almshouse Site.
One - story frame and stucco dormitory (to accommodate 80 beds); shingle roof, plaster exterior, gas heating system.
Owner—County of Santa Clara.
Architect — Charles McKenzie, Twohy Building, San Jose.
Contractor—Frank Neves, 891 Harrison St., Santa Clara.
Complete bids follow:

Frank Neves, Santa Clara	$ 7,760
add for extra plastering	225
Knight & Osborne, Mt. View	7,690
M. W. Reese, San Jose	7,774
Roy True, Mt. View	8,177
J. D. Carlson, San Jose	8,490
H. A. Bridges, San Jose	8,711
Collins & Martin, San Jose	8,954
Megna & Newell, San Jose	9,382
Earl Heple, San Jose	9,448
Summers Const. Co., San Jose	10,490
Guy M. Latta, San Jose	10,520
Wm. Caldwell, San Jose	10,595

PROSPECTIVE BIDDERS

HOSPITAL AND QUARTERS Cost, $180,000
NESPELEM, Washington. Colville Indian Agency.
Hospital, two doctors' houses, nurses' quarters (hospital will have reinforced concrete construction, light weight steel beams, reinforced concrete floors, etc.; nurses' quarters, masonry walls, asbestos shingle and clay tile roofing, hot water heating system, high pressure steam boilers).
Owner — United States Government (John Collier, Commissioner of Indian Affairs).
Architect—Schmidt, Garden & Erikson, 104 S. Michigan Ave., Chicago.
Following have procured plans. Bids close Dec. 18:
J. W. Bailey Constr. Co., 325 Insurance Bldg., Seattle, Wash.
A. W. Quist Co., Suite 809 Exchange Bldg., Seattle, Wash.
J. J. Lohrenz, 811 Paulsen Bldg., Spokane, Wash.
H. C. Hastorf, Inc., SE 8th Ave. and Morrison St., Portland, Oregon.
Joseph Potucek, General Contractor, % Tacoma Sash & Door Co., 15th and Dock Sts. Tacoma, Wash.
Verne Warren, Secretary Associated General Contractors, Spokane, Wash.
Gladding, McBean & Co., 1500 First Ave., So., Seattle, Wash.
McRea Bros., 614 5th Ave., Seattle.

Planned

DORMITORIES Cost, $150,000
OAKLAND, Alameda Co., Cal. Foothill Blvd. and County Road.
Replace Dormitories K and L at the Fairmount Hospital.
Owner—County of Alameda.
Architect—Not Given.
Dr. Benjamin W. Black, Alameda County Medical Director, has been authorized to confer with SERA authorities to furnish labor for the proposed work. If the project is approved the county will purchase materials estimated to cost $50,000.
Further details will be announced shortly.

10— HOTELS

Bids Opened

ALTERATIONS Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel lobby of the Santa Rosa Hotel (painting, decorating, electric sign, etc.)
Owner—Santa Rosa Hotel.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Low Bidder—Young and Horstmeyer, 461 Market St., San Francisco.
Complete bids follow:

Young & Horstmeyer, S. F.	$3,750
Cox & Peterson, Santa Rosa	3,875
Wm. D. Rapp, Santa Rosa	4,439
A. M. Hildebrandt, Santa Rosa	4,732

Bids held under advisement.
Bids for remodeling the complete building will be asked Nov. 27 and one week will be allowed for figuring.

11—ICE AND COLD STORAGE PLANTS

NO BIDS RECEIVED

SAN FRANCISCO.—No bids were received by the U. S. Marine Hospital, San Francisco, for repairs and reconditioning of electric refrigerations at the U. S. Marine Hospital, 14th Ave. and Lake St., San Francisco.

Contract Awarded

ADDITION Cost, $——
AUBURN, Placer Co., Calif.
Addition of refrigerator display room at ice plant.
Owner—Union Ice Company.
Plans by Mr. Williamson.
Contractor — W. W. Williamson, 320 Market St., San Francisco.
Materials have all been purchased

Contract Awarded

ICE PLANT Cost, $——
LIVERMORE, Alameda Co., Calif.
One-story ice plant.
Owner—Union Ice Company.
Plans by Mr. Williamson.
Contractor — W. W. Williamson, 320 Market St., San Francisco.
Materials have all been purchased.

Construction To Start Shortly.

ADD ICE PLANT Cost, $——
RED BLUFF, Tehama Co., Calif.
Addition to present ice plant.
Owner—Cone Ice and Cold Storage Co. (subsidiary of National Ice and Cold Storage Co.) M. W. Young, Local Manager.
Plans by Engineering Dept. of Owner.
Work will be done by local labor.

12— POWER PLANTS

POWER PLANT CONTEMPLATED

NAPA, Napa Co., Cal.—City Council will engage an engineer to report on costs of acquiring or constructing a municipal light and power plant. City Attorney Roy E. Lochman has been directed to prepare a contract for services of an engineer. Council will determine whether or not to call for bids on the survey.

ELECTION PLANNED

TULARE, Tulare Co., Cal.—The Tulare City Council plans to call an election in January on bond issue of $250,000, proceeds to be used in purchase of electric distribution system of the Southern California Edison Company, within the city, to be operated as a municipal utility.

TO ASK FUNDS

SACRAMENTO, Cal.—Directors of Sacramento Municipal Utility District will apply to PWA for loan and grant of $11,700,000 to construct power plant and electric distribution system. Bond issue of $12,000,000 for construction was authorized at special election November 6. Albert Givan, Chief Engineer and General Manager.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACTS AWARDED

MONTEREY, Monterey Co., Cal.—City Council of Monterey awarded the following contracts for office furniture, furnishings and equipment in the City Hall at Monterey, including buildings and structures owned by the city on and adjacent to Colton Hall Park, Monterey:

Rucker Fuller Co., 461 Alvarado, Monterey, $1,110.20 (six desks, five tables and 22 chairs).

M. G. West Co., 117 Front St., San Francisco, $553.94 (interior furnishings for the vault).

Peninsula Typewriter Exchange, 129 Franklin St., Monterey, $499.55 (filing equipment).

PROSPECTIVE BIDDER

OAKLAND, Cal.—Dinwiddie Constr. Co., 210 Crocker Bldg. (EXbrook 5616) San Francisco, associated with the P. J. Walker Co., is figuring the general contract for the Alameda County Courthouse. Sub-contract bids must be submitted to the general contractor not later than Dec. 11,10:30 A. M., twenty-four hours prior to opening of bids on the general contract.

Commissioned To Prepare Plans.
CITY HALL Cost, $40,000
CARMEL, Monterey Co., Cal.
New City Hall.
Owner—City of Carmel.
Architects—Milton Latham, C. J. Ryland, Guy Koepp and C. S. Greene, Carmel and Monterey.

PWA allotted $40,000 to the City of Carmel to finance construction. An election will be held in the near future to vote bonds to cover cost of construction.

14— RESIDENCES

To Ask Bids In Two Weeks.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors (type of heating not determined).
Owner—Wm. Shackleton, 429 College Ave., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
ALTERATIONS Cost, $1500
SAN MATEO, San Mateo Co., Calif. Thirty-seventh Avenue.
Alterations to frame residence.
Owner—C. W. Newman.
Architect—Not Given.
Contractor—Lengfeld & Olund, 220 3rd Ave., San Mateo.

Architect Taking Sub-Bids.
RESIDENCE Cost, $4000
HAYWARD, Alameda Co., Cal.
One-story frame and stucco residence (6 rooms); shake roof, hardwood floors, tile bath, etc.)
Owner—Hayward Better Housing Association.
Architect—Not Given.
Contractor—Geo. Simonds, 192 Main St., Hayward.

CONTRACT AWARDED

GRAND COULEE, Wash.—McDonald & Gunmere, Coulee Dam, at $94,400 awarded contract by U. S. Bureau of Reclamation, Almira, Washington, for the construction of fourteen 3-room and sixteen 4-room residences at Government Camp at the Grand Coulee Dam, Columbia Basin Project, Wash. Buildings will be 1-story and basement timber frame construction, shingle or siding exterior, wood shingle roofs, plaster interior walls, etc.; Spec. No. 599.

Low Bidder.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Cal. Hillside Avenue.
Two-story frame and stucco residence
Owner—Warren A. Hannah.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Low Bidder—Robt. J. Barr, 596 Chetwood Ave., Oakland.

Plans Being Revised.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Arch Street.
Two-story frame and stucco residence
Owner—K. G. Schwegler, 1203 Walnut St., Berkeley.
Architect—F. L. Confer, 2812 Russell St., Berkeley.

Plans Being Revised.
RESIDENCE Cost, $4500
BERKELEY, Alameda Co., Cal. Cragmont.
One and one-half-story frame and stucco residence (five rooms) hot air heating system, shingle roof, hardwood floors, etc.
Owner—Lyle A. Byers.
Architect—F. L. Confer, 2812 Russell sell St., Berkeley.

Plans Being Revised.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Piedmont Pines Tract.
One - story and basement frame and stucco residence (6 rooms, 2 baths)
Owner—M. Hubbard.
Architect—F. L. Confer, 2812 Russell St., Berkeley.

Bid Opening Date Postponed Until Dec. 5, 2:30 P. M.
COTTAGE Cost, $4000
WOODLAND, Yolo Co., Calif. County Hospital Grounds.
One-story frame warden's cottage (5 rooms) part tile roof, etc.
Owner—County of Yolo.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Bids were to have been opened Dec. 3, 2:30 P. M. Plans and specifications may be obtained from the architect upon deposit of $10.00.

Sub-Bids Being Taken.
RESIDENCE Cost, $4000
SAN FRANCISCO. Twenty - seventh Ave. 25 N Vicente St.
One-story and basement frame and stucco residence.
Owner and Builder—Stoneson Bros. & Thorinson, 1630 Ocean Ave., San Francisco.
Architect—Charles F. Strothoff, 2274 15th St., San Francisco.

Contract Awarded.
ALTERATIONS Cont. Price $3429
SAN LEANDRO, Alameda Co., Cal.
Alterations to one-story frame store building.
Owner—Mrs. Clara Herrscher.
Architect — Williams & Wastell, 374 17th St., Oakland.
Contractor — Walter Anderson, 1014 Doris Court, Alameda.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISC. W Twenty-eighth Ave. 75 N Kirkham St.
One-story and basement frame and stucco residence.
Owner—Phil Heglin, 1245 24th Ave., San Francisco.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. NE 22nd and Valley Streets.
One - story and basement frame and stucco residence (5 rooms; Exibition House).
Owner—Home Planning Bureau, 21st and Broadway, Oakland.
Architect—Miller and Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.

Plans Being Re-Figured—Bids Close Dec. 3, 10 A. M.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Calif. NE 21st Street bet. 13th and 14th.
One - story and basement frame and stucco residence (3 rooms) Spanish style; tar, gravel and tile roof.
Owner—John Carlson.
Architect—Guy L. Brown, American Building, Oakland.
Following will submit new bids:
J. B. Petersen & Son, 4021 Agua Vista Ave., Oakland.
J. R. Armstrong, 1131 Fleet Road, Oakland.
Parsons & Williams (Merritt 4684).
On previous bid opening lowest bid was submittted by J. B. Petersen at $2,386.

To Be Done By Day's Work.
RESIDENCE Cost, $8000
SAN FRANCISCO. N Jefferson St. 200 E Fillmore St.
Two-story frame residence on root of building (8 rooms).
Owner and Builder—M. P. Jorgensen, 2225 North Point St., San Francisco.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $3218
SAN FRANCISCO. No. 2567 Green Street.
Alterations to frame residence.
Owner—John A. & Lillian M. Sperry 2567 Green St., San Francisco.
Architect—Not Given.
Contractor—A. T. Morris & Sons, 3500 Fulton St., San Francisco.

15— SCHOOLS

Sub-Bids Being Taken.
RESIDENCE Cost, $5000
SAN FRANCISCO. Fourteenth Ave. near Taraval Street.
One-story and basement frame and stucco residence (6 rooms); tile and composition roofing, gas heating system, hardwood floors, tile baths, etc.
Owner and Builder—A. Halsen, 2427 25th Ave., San Francisco.
Architect—D. E. Jaekle, Room 500, 216 Post St., San Francisco.

Contract Awarded.
RESIDENCES Cost, $9386
OAKLAND, Alameda Co., Cal. Piedmont Pines.
Three 1-story frame and stucco residences (5 rooms each); shingle roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.

Contractor—W. Vernon Bernard, 227 San Carlos St., Berkeley.

CONTRACT AWARDED

LOS ANGELES, Cal.—Johnson and Dahlquist, 654 E. 81st St., awarded contract at $30,370 by Los Angeles board of education, for reconstructing, rehabilitating and strengthening the main building, less the 1929 wings at Fishburn Ave. school, 5901 Fishburn Ave. Raphael A. Nicolais, 614 Clem Wilson Building, architect, and Maurice Sasso, I. W. Hellman Bldg., structural engineer.

Contract Awarded

RECONSTRUCT SCHOOL
Contract Price, $1,697
PALO ALTO, Santa Clara Co., Calif.
Recostruct Water Hays School.
Owner—Palo Alto School District, 543 Channing Ave., Palo Alto.
Architect—Not Given
Contractor—J. W. Cobby & Son, 269 Tehama St., San Francisco.
Complete bids follow:
J. W. Cobby & Sons, S. F.... $1,697.00
Alfred Johnson, Palo Alto..... 1,790.00
E. J. Schmalling, Palo Alto ... 2,530.00
W. P. Goodenough, Palo Alto.. 2,574.00
H. H. Dabinett, Palo Alto..... 2,498.50

PLANS APPROVED

LOS ANGELES, Cal.—Los Angeles board of education has adopted plans for the reconstruction, rehabilitation and strengthening of the main building and the construction of a new building at Brockton Avenue school, 1300 Brockton Ave. Cost, $58,343. The plans were prepared by architectural division of the board, A. S. Nibecker, Jr., architect; and Structural Engineer John S. Ferguson.

CONTRACT APPROVED

COMPTON, Los Angeles Co., Cal.—State officials have approved contract between Compton Union High School District and Bannister-Field Co. for construction of a new administration and auditorium building on the Compton Junior College site. As previously reported, general contract amounts to $268,863, while all contracts will total $318,390.02. John C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

CONTRACT AWARDED

LOS ANGELES, Cal.—R. E. Campbell, 711 Central Bldg., awarded contract at $66,680 by Los Angeles board of education for reconstructing, rehabilitation and strengthening of the east building and central portion of the Bridge Street school, located on the north side of Bridge St., between Echandia St. and N. Boyle Avenue. Ralph A. DeLine, structural engineer, 1144 S. Grand Ave., and the architectural division of the board, A. S. Nibecker, Jr., architect.

To Ask New Bids Shortly.

REPAIR SCHOOL Cost, $——
SAN FRANCISCO. Hayes and Ashbury Streets.
Repairs to Lowell High School.
Owner—City and County of San Francisco.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Construction has been under way by H. L. Petersen, 731 Treat Ave., for some time, but due to damage done by a fire recently new bids will be asked for the entire job, including the portion damaged by fire.

Contract Awarded

UNDERPINNING, ETC.
Contract Price, $997.00
LOS GATOS, Santa Clara Co., Calif.
Underpinning of two concrete walls to enlarge basement space in new high school building.
Owner—Los Gatos Union High School District (Geo. F. Shaner, Clerk), Los Gatos.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Contractor—J. C. Monk, 45 Tait Ave., Los Gatos.

November 27, 1934

Bonds Sold—Completing Plans

AUDITORIUM Cost, $24,700
LE GRAND, Merced Co., Calif.
One-story frame and stucco combination gymnasium (144x88 ft.) stage, dressing rooms, etc.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market St., San Francisco.
Final plans will be forwarded to the State Division of Architecture for approval within one week.

Sub-Contracts Awarded.

ADDITION Cont. Price, $11,150
SOQUEL, Santa Cruz Co., Cal.
One-story frame and stucco wing addition to grammar school (2 classrooms, domestic science room and manual training room).
Owner—Soquel Union Grammar School District.
Architect—W. W. Wurster, 260 California St., San Francisco.
Contractor — P. T. Wallstrum, 854 Main St., Watsonville.
Roofing—California Roofing Co., Santa Cruz.
Plumbing, Heating, Sheet Metal and Furnace — Watsonville Plumbing Supply Co., Watsonville.
Electric Wiring—J. Smith, Santa Cruz
Glass—Electric Planing Mill, Stockton.
Painting—Frank Berry, Watsonville.
Lathing and Plastering—J. Crabtree, Santa Cruz.
Mill Work — Electric Planing Mill, Stockton.

Completing Preliminary Plans.

SCHOOL Cost, $40,000
CONCORD, Contra Costa Co., Calif.
Two - story reinforced concrete high school (ten classrooms) tile roof, steam heating system, probably concrete floors.
Owner—Mt. Diable Union High School District (Miss Bertha Romaine, Principal).
Architect—W. H. Weeks, 525 Market St., San Francisco.
Working drawings will be started in about two weeks.

Sub-Contracts Awarded.

RESIDENCE Cost, $4755
SAN FRANCISCO. N Belgrave Ave. E Stanyan Street.
One-story and basement frame and stucco residence.
Owner—Robert S. and Alice M. Watts.
Architect—Wm. I. Garren, 233 Post St., San Francisco.
Contractor — Moore & Roberts, 693 Mission St., San Francisco.
Plumbing—W. E. Trousdale, 422 Turk St.
Roofing—Alta Roofing Co., 976 Indiana St.
Lumber—Smith Lumber Co., Fourth and Channel St.
Mill Work—Brannan St. Planing Mill 560 Brannan St.
Painting — Herbert Tattersfield, 571 Fourth Ave.
Glass—W. P. Fuller & Co., 301 Mission St.
Electric—F. H. Tatterham, 35 Marston Ave.
Heating and sheet metal contracts will be awarded within a few days.

BOND ELECTION

RENO, Nevada—An election will be held on December 8 by the Reno School District No. 10, Washoe County, Nevada, to vote bonds in the amount of $60,000. Proceeds will be used to finance construction of the Northside Junior High School improvements, located on University Avenue, East Plaza and Lake Street, Reno. Trustees of the District are as follows:

George Townshend, President; J. D. Cameron, Clerk; J. E. Horgan, Chester A. Paterson and Gaylord Wilder.

PLANS COMPLETE

LOS ANGELES, Cal.—Los Angeles Board of Education, owner and builder, 761 Chamber of Commerce Bldg., applied for building permit to erect 2-story, 60-room, Class A reinforced concrete school buildings at 4131 S. Vernont Ave. (Buildings A and B, Manual Arts high school. John Parkinson and Donald B. Parkinson, architects, 808 Title Insurance Bldg., and E. L. Ellingwood, mechanical engineer, H. W. Hellman Bldg. Cost, $318,000.

CONTRACT AWARDED

COMPTON, Los Angeles Co., Cal.—T. P. Schultz, 911 N. Chester Ave., Compton, awarded contract by Compton City School District at $54,575 for reconstructing the Mayo Ave. School, 915 N. Mayo Ave., Compton. H. L. Gogerty, 6272 Yucca St., Los Angeles, architect.

LOW BIDDER

NORWALK, Los Angeles Co., Cal.—Wesco Construction Co., 2000 Hyperion Ave., Los Angeles, submitted low bid to Board of Public Building Reconstruction at $82,570 for construction of a one-story reinforced concrete and hollow concrete auditorium building on the Norwalk elementary school site. Other low bids were: W. D. Kraemer, 5437 Maywood Ave., Maywood, plumbing, $3344; J. Herman Co., 1349 Vernon Ave., Los Angeles, heating and ventilating, $5680; Coast Electric Co., 2350 Cedar Ave., Long Beach, electrical work, $8939; School Equipment Co., 759 N. Spring St., stage equipment and auditorium curtains, $3299; Robt. B. Petley, 621 Westinghouse Bldg., Los Angeles, auditorium chairs, $6355.50. T. C. Kistner, 814 Architects' Bldg., Los Angeles, architect.

LOW BIDDER

LOS ANGELES, Cal. — Easton & Nesser, 4822 W. Jefferson St., submitted low bid at $132,180 to Los Angeles Board of Education for erection of a new 24-unit administration building at the David Starr Jordan High School site, located on the north side of 103rd St. and Gorman Ave., Watts.

Easton & Nesser submitted names of following sub-contractors with their bid: Phil French, roofing, $2304; E. J. White, plastering, $10,750; Fielding Electric Co., electric wiring, $4449; F. D. Reed Plumbing Co., plumbing, $9100; Hickman Bros., heating and ventilating, $4700; D. Zelinsky & Sons painting, $2612; Western Ornamental Iron, miscellaneous iron, $2060; D. & D. Marble Co., marble, $1300; Valley Tile & Mantel Co., tile work, $2566; Arcade Cornice Works, sheet metal, $98. Sumner P. Hunt, 701 Laughlin Bldg., Architect.

Plans Being Refigured — Bids Close Dec. 10, 8 P. M.

SCHOOL Cost, $——
LOWER LAKE, Lake Co., Cal.
One-story brick grammar school bldg. (three classrooms) tar and gravel floor, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Plans and specifications may be obtained from Secretary of the Board

upon deposit of $10.

On previous bid opening lowest bid was submitted by Lightford & Kuppinger, Lakeport at $9891.

Bids Rejected—Plans Being Revised.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (5 classrooms and recreattion room).
Owner—Portola Grammar School Dist.
Architect — Harry Devine, California State Life Bldg., Sacramento.

Plans are being revised and new bids will be asked shortly.

On previous bid opening lowest bid was submitted by Young & Horstmeyer, 461 Market St., San Francisco, at $36,887.

BIDS WANTED

LONG BEACH, Cal.—Until Dec. 7, 4 P. M., bids will be received by the Long Beach board of education for construction of the north and south wings of the Robt. Louis Stevenson school on Lime Ave. between Fifth and Sixth Sts., Long Beach. Aaron J. Smith, 3726 Lemon Avenue, Long Beach, structural engineer, and C. N. Aldrich, 1834 Dawson Avenue, Long Beach, architect. Deposit of $25 required for plans.

BONDS VOTED

GILROY, Santa Clara Co., Calif.—Rucker School District voted bonds in the amount of $8,000 on Nov. 21 to finance construction of a new school building in Gilroy for the Rucker School District. W. L. Kroesen, Thos. Hunter and John S. Lester are trustees of the school district. Further details will be announced shortly.

SERA will furnish labor for razing old school building, estimated to cost $1,500, and application has been filed to furnish labor for the construction of the new school.

Plans have been prepared by Architect Edward S. Kress, 121 Mayellan Ave., San Jose.

Plans Completed
SCHOOL Cost, $13,000
TAHOE CITY, Placer Co., Calif.
One - story wood frame grammar school (4 classrooms) shingle roof, steam heating system, wood floors.
Owner—Tahoe City School District.
Architect—Chas. F. Dean, California State Life Bldg., Sacramento.

Construction will go forward in the spring.

Preparing Working Drawings.
HIGH SCHOOL Cost, $39,200
COVELO, Mendocino Co., Calif.
One-story frame and stucco academic building and frame gymnasium.
Owner—Round Valley High School District (Vierling Kersey, Supt. of Public Instruction).
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Plans Being Completed.
REPAIR SCHOOLS Cost, $65,000
CROCKETT, Contra Costa Co., Calif.
Repairs and earthquake - proofing of Crockett grammar school and John Swett high school.
Owner—Crockett School District.
Engineers—H. D. Dewell and A. W. Earl, 55 New Montgomery Street, San Francisco.
Consulting Architect—H. H. Gutterson, 526 Powell St., San Francisco.

Plans will be forwarded to the State Division of Architecture for approval in about one week.

16—BANKS, STORES AND OFFICES

Site Selected.
OFFICE BLDG. Cost, $25,000
REDDING, Shasta Co., Cal. Chestnut and Placer Sts.
One-story and basement frame and stucco office building (concrete basement) to house SERA offices.
Owner—County of Shasta.
Architect—Not Given.

Planned
SOUNDPROOF BLDGS. Cost, $——
SAN MATEO, San Mateo Co., Calif. Peninsular Ave. (9-acre site).
Soundproof studio bldgs., etc. (buildings include stages, dressing rooms executive buildings, etc.)
Owner—San Mateo Studios, Inc. (S. A. Hedding, Whitcomb Hotel, San Francisco, in charge).
Architect—Not Given.

Further details will be announced in about three weeks.

Low Bidder
ALTERATIONS Cost, $3500
SAN LEANDRO, Alameda Co., Calif.
Alterations to one-story frame store building.
Owner—J. Herns.
Architect—Williams and Wastell, 374 17th St., Oakland.
Low Bidder—Walter Anderson, 1014 Doris Court, Alameda.

Plans Being Prepared
ALTER STORE Cost, $50,000
SAN JOSE, Santa Clara Co., Cal. NE First and San Antonio Streets.
Alterations to building for drug store.
Owner—Walgren Drug Co., (Chas. M. O'Brien) 160 S. 13th St., San Jose.
Plans by Engineering Dept. of Owner (Thos. McCormick, in charge) Chicago.

Planned
OFFICE BLDG. Cost, $——
SANTA CLARA, Santa Clara Co., Cal. Site To Be Selected.
Three-story office building (to house SERA offices and county charity offices).
Owner—County of Santa Clara.
Architect—Not Selected.

Plans for the proposed project have been submitted to SERA executives in San Francisco for approval.

Plans Being Figured—Bids Close Dec. 3, 3 P. M.
BEAUTY SHOP Cost, $——
SAN JOSE, Santa Clara Co., Cal. San Carlos St. near Market St.
One-story and basement beauty shop (woood frame, plastered exterior, linoleum floors, panel partitions, etc.)
Owner—A. Castle.
Architect — Chas. McKenzie, Twohy Bldg., San Jose.

Following will submit bids:
J. Gohranson, Rt. 2, Box 231, San Jose.
J. W. Osborne.
M. W. Reese, 1210 Minnesota Ave.
Robert Gray, 715 S-Fifth St., San Jose.
H. Herschbach, Twohy Bldg., San Jose.
Frank Nevis, 918 Harrison St., Santa Clara.
P. M. Doyle, 737 Pershing St.
Frank Edmans, 123 S-Third St.
Wm. Schwartz, 521 S-Eighth St.
Henry Bolwin, 1041 Garland Ave.
J. E. Perkins, 1664 E. Santa Clara.
N. J. Nielsen, 1270 Iris Court.
Dyke Walton, 1217 University Ave.

Plans Being Prepared.
STORE Cost, $3500
EAST OAKLAND, Alameda Co., Cal.
One-story frame and stucco store building.
Owner—Withheld.
Architect — Chester Treichel, 696 Cleveland Ave., Oakland.

Plans Being Figured—Bids Close Dec. 6th.
MARKET Cost, $10,000
OAKLAND, Alameda Co., Cal. College Avenue near Shafter Avenue.
One-story Class C Public Market (42 x120 ft.), brick walls, steel trusses and columns, concrete floors, etc.
Owner—Withheld.
Architect — Chester H. Treichel, 696 Cleveland Ave., Oakland.

BIDS OPENED

SAN FRANCISCO.—A. A. Zelinsky, 100 Lake St., at $67.00 submitted low bid to Public Utilities Commission, 425 Mason St., for painting, tinting and cleaning all the woodwork in Rooms 404 and 405 of the San Francisco Water Department Building.

Sub-Contracts Awarded.
HOSPITAL Cost, $12,000
SAN MATEO, San Mateo Co., Calif. El Camino Real.
One-story frame and stucco dental hospital; tile roof, steam heating system, hardwood floors, etc.
Owner—Drs. Lussina & Maze.
Architect—H. A. Minton, 525 Market St., San Francisco.
Contractor—Barrett & Hilp, 918 Harrison St., San Francisco.
Mill Work—J. A. Hart Mill & Lumber Co., Jerrold and Napoleon Sts., San Francisco.
Lumber — Wisnom Lumber Co., San Mateo.
Plumbing—H. I. Lauder, 218 Lorton Ave., Burlingame.
Heating—Alt., Electric & Mechanical Co., 467 O'Farrell St., S. F.
Excavation and Grading—H. E. Casey Co., San Mateo.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco.

Bids Opened
OFFICE BLDG. Cost, $——
SAN DIEGO, San Diego Co., Calif.
One - story and part basement reinforced concrete district office bldg. (frame partitions, clay tile roofing).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.

Complete bids follow:

General Work
J. A. Hunt, P. O. Box 146, East San Diego $40,592
H. Mayson, Los Angeles 41,900
V. R. Dennis Const. Co., San Diego 45,000

Electric
San Diego Electric Shop, 802 F St., San Diego $2,179
Coast Electric Co., L. A. 2,313

Heating
Johnson & Reeves, 1112 S Central Ave., Glendale $3,931
Jones Heating Co., Pasadena 3,995
J. Hokom Co., Los Angeles 4,339
*A. O. Reed & Co., San Diego 4,287

Plumbing
J. A. Fazio, 2059 Webster St., Oakland $3,487
**A. O. Reed & Co., San Diego 3,180

*No bid bond with bid (bid no considered).

**No certified check with bid (bid not considered).

Bids held under advisement.

PLANNED

VENTURA, Ventura Co., Cal.—Ventura county supervisors will seek federal aid to the extent of $80,000 to finance the construction of a new county welfare building at Chestnut and Poli Sts., Ventura.

Plans Being Prepared.
BANK Cost, $80,000
SANTA BARBARA, Calif. NE State Street and Canon Perdido.
One-story and basement Class A bank building (reinforced concrete and steel frame construction, stone and terra cotta facing, plate glass steel windows, concrete vaults, marble and tile work, heating and ventilating system, etc.)
Owner—Bank of America.
Plans by Architectural Dept. of Owner Knickerbocker Bldg., Los Angeles.

Contract Awarded
ALTER STORE Cost, $2000
SAN FRANCISCO. 816 Market Street.
Alterations to store building.
Owner—Moss Stores, 833 Market St.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.

Plans Completed.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 1900 Bryant Street.
Alterations to office building.
Owner—The Best Foods Co., Inc, 1900 Bryant St., San Francisco.
Engineer—K. Theill, 580 Market St., San Francisco.

BIDS OPENED
SAN FRANCISCO.—A. A. Zelinsky, 100 Lake Street, at $67.00 submitted low bid to Public Utilities Commission, 425 Mason Street, for painting, tinting and cleaning all the woodwork in Rooms 404 and 405 of the San Francisco Water Department Bldg.
Complete bids follow:

A. A. Zelinsky	$ 67.00
R. P. Paoli	73.00
Department of Public Works	75.00
A. W. Stoneback	76.00
Russell Hinton	97.60
D. Zelinsky	98.00
A. Quandt	120.00
American Bldg. Maintenance Co.	140.00

Bids held under advisement.

17— THEATRES

November 23, 1934

Sub-Contracts Awarded
THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Calif.
One-story and balcony reinf. concrete theatre building (to seat 850) tar and gravel roof, air conditioning system, etc.)
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Plans by Engineering Dept. of Owner
Contractor—Salih Brothers, 25 Taylor Street, San Francisco.
Roofing — Service Roofing Co., Reno, Nevada.
Electric—Cox Electric Co., Red Bluff.
As previously reported, plumbing awarded to Vic. Bertoli, 613 Willow St., Susanville; lumber to Lassen Lbr. Co., Susanville; reinforcing steel to Soule Steel Co., 1750 Army Street, San Francisco; cement to the Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco; roofing to the Pioneer Roofing Co., Susanville.

Construction Started
THEATRE Cost, $50,000
REDDING, Shasta Co., Calif. Market Street between Placer and Sacramento Streets.
Reinforced concrete theater, store and office building (to seat 1300) heating and cooling systems, automatic water coolers, electric sound equipment, etc.
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Structural Engineer—E. H. Nishklan, 525 Market St., San Francisco.
Contractor—Salih Brothers, 25 Taylor Street, San Francisco.
Foundations—J. P. Brennan, Redding.

18— WHARVES & DOCKS

Plans Being Figured—Bids Close Dec. 12, 8 P. M.
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Calif.
New municipal yacht harbor (work includes approach trestle 850 feet in length; wharf, 250x40 feet; wood construction, creosoted piling, boat landing facilities, etc.)
Owner—City of Martinez.
Consulting Engineer—Lochiel M. King 1339 Grove St., Alameda.
The work involves:
(1) 265 creosoted piles, 30- to 40-ft. long;
(2) 100 do, 60-to 70-ft. long;
(3) 90 do, 90-ft. long;
(4) 265 green piles 50- to 60 ft. long;
(5) 575,000 ft. b.m. Oregon pine lumber;
(6) 11,000 ft. b.m. creosoted lumber;
(7) 41,000 sq. ft. pavement (asphalt pavement over deck);
(8) Approx. 1 ton structural steel.
Plans and specifications may be obtained from R. B. Johnson, City Clerk upon deposit of $25, returnable.
Bonds in the amount of $38,000 were recently voted. The PWA has made a grant of $15,000 to assist financing the project.

BIDS WANTED
LOS ANGELES, Cal. — Until Dec. 12, 10 A. M., bids will be received by general manager of Los Angeles Harbor Department, Room 112, City Hall, for extension to steel frame transit shed at Berth 177, Los Angeles Harbor; Specification No. 934. Bids will be taken as follows: (A) furnishing, fabricating and erecting structural steel complete; (B1) addition, complete, except fabricated steel frame work covered by (A); (B2) sheet metal, including corrugated metal siding, smoke curtain, etc.; (B3) fur- and electrical work, estimated to cost an additional $18,000, will be taken nishing and erecting all steel doors; (B4) furnishing and erecting all steel sash (glazed). Cost $35,000. Bids for concrete slab floor, sprinkler system later.

19—MISC. CONSTRUCTION

Contract Awarded.
RETAINING WALL Cost, $1000
SAN FRANCISCO. SW London St. and France Ave.
Concrete retaining wall.
Owner—Frank McAfee, 609 Miramar St., San Francisco.
Architect—Not Given.
Contractor — San Francisco Concrete Co., 98 Harrington St., San Francisco.

Planned.
TERMINAL Cost, $10,000
EUREKA, Humboldt Co., Calif. NE Fifth and D Streets.
One-story frame and stucco stage terminal (waiting rom, rest rooms, baggage room, offices and loading terminals).
Owner—Catherine B. Evans Est., 532 E Street, Eureka.
Architect—Not Given.
Lessee—Pacific Greyhound Lines, 5th and Mission Sts., San Francisco.

CONTRACT AWARDED
SAN FRANCISCO—Standard Fence Co., 440 Bay Shore Blvd., at $69.40 awarded contract by Department of Public Works for the erection of a double 1¾-in. chain link gate of 11 gauge, 7 feet high to be hung in building at north entrance to Corporation Yard at 11th and Bryant Sts.

TO ASK BIDS
SAN FRANCISCO—City Architect Chas. H. Sawyer, City Hall, will prepare plans and specifications for the installation of traffic adapters on three Van Kannel revolving doors in the Van Ness Avenue entrance to the City Hall.
Informal bids will be asked in about ten days.

CONTRACT AWARDED
FORT MASON, Cal.—A Soda & Son, 554 42nd St., Oakland, at $37,650 awarded contract by the Constructing Quartermaster, Fort Mason, under Bid No. W 6616-35-4, for the completion of an underground electrical system at Fort Mason.

BIDS OPENED
FORT MILEY, San Francisco.—Wm. Degan, 2055 Santa Clara, Alameda, at $587 submitted low bid to the Signal Officer, Presidio of San Francisco, under Bid O. P. 1084 SC 35-4, for the installation of an auxiliary power supply system for the Radio Transmitter at Fort Miley.
Complete bids follow:

Wm. Degan, Alameda	$587.00
H. S. Tittle, San Francisco	595.00
Globe Elec. Works, S. F.	625.50
A. Soda & Son, Oakland	652 00
Paragon Electric Co., S. F.	676.00
Eureka Elec. Radio Co., S. F.	690.00
D. E. Manning, San Francisco	780.00
G. M. Gest, Oakland	847.00

BIDS WANTED
FT. WINFIELD SCOTT, San Francisco.—Until Dec. 3, 10 A. M., bids will be received by Capt. R. B. Woolverton, Signal Officer, Presidio, of San Francisco, Headquarters Ninth Corps Area, for the installation of an antenna and a buried ground system for the Radio Transmitter Radiation System at Fort Winfield Scott.
Plans and specifications obtainable from the above office upon deposit of $5.00.

SPECIFICATIONS BEING WRITTEN
SACRAMENTO, Cal.—City Engineer Sacramento, is preparing specifications for a 500-watt short wave radio set to be used to send police calls for the City of Sacramento. Estimated cost $7,000.

Sub-Contracts Awarded
MAUSOLEUM AND CHAPEL Contract Price, $184,721
WOODLAWN, San Mateo Co., Calif. Woodlawn Cemetery.
Reinforced concrete mausoleum with marble and bronze interior and concrete and granite chapel.
Owner—Masonic Cemetery Assn.
Architect—W. G. Merchantt; Maybeck & White, Associated, Russ Bldg., San Francisco.
Contractor—H. H. Larsen, 64 South Park, San Francisco.
Excavation—L. C. Smith, 235 Third Ave., San Mateo.
Concrete Materials — Central Supply Co., Landers and Railroad, South San Francisco.
Granite—McGilvray-Raymond Granite Co., 3 Potrero Ave., San Francisco
Marble—American Marble Co., Swift Ave., South San Francisco.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco.
Elevator—Atlas Elevator Co., 34 Harriet St., San Francisco.
Tile—Malott and Petersen, 20th and Harrison Sts., San Francisco.
Electric—American Electric Co., 465 Bryant St., San Francisco.
Mill Work—Pacific Mfg. Co., Santa Clara.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Streets, San Francisco.

Finish Hardware — Palace Hardware Co., 581 Market St., San Francisco.
Other awards will be made at a later date.

Contracts Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. Divisadero and McAllister Streets.
Alterations to undertaking parlors and add one story.
Owner—Halstead-Dierks & Co., 901 Divisadero St., San Francisco.
Plans by A. J. Laib, 3335 Clay Street, San Francisco.
Grading & Excavation—Meyer Grading Co., Premises.
Brick Work—Wm. Ralney, 323 Clementina St.
Other awards will be made in about two weeks.

CONTEMPLATED
REDWOOD CITY, Cal.—The Redwood City City Council has voted to petition State Railroad Commission for valuation of the Pacific Gas and Electric Company distribution system within the city. Acquisition of system for operation as municipal utility is contemplated.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED
LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, purchasing agent of the Los Angeles Water and Power Bureau, room 740, 207 S. Broadway, Nov. 23, for furnishing and delivering during a period of 12 months, beginning Dec. 1, 1934, or with date of award if subsequent thereto, brass and bronze castings, etc., fob warehouse of the department and carrier depots Los Angeles, over the "Blue Eagle" market price for electrolytic copper at Connecticut at time of delivery.
The items were:
(1) for copper casting at a differential, per lb. of;
(2) for standard bronze castings at a differential of;
(3) for red brass castings at a differential of;
(4) for gun metal bronze castings, cored or solid, at a differential
The bidders were:
of.
Star Brass Foundry: Discount for combined award .1%; discount, 2% 20 days; (1) $.10; (2) $.085; (3) $.075; (4 $.10.
Alles Foundry Co.: Discount for combined award, net; terms, net; (1) $.10; (2) $.12; (3) $.09; (4) $.14.
"A" Brass Foundry: Discount for combined award, net; terms, net; (1) $.05; (2) $.03; (3) $.025; (4) $.05.
Advance Aluminum & Brass Co.: Discount for combined award, 5%; discount, 2% 30 days; (1) $.09; (2) $.08; (3) $ 075; (4) $.11.
James Jones Co.: Discount for combined award, 1%; discount, 2%, 30 days; (1) $.12; (2) $.07; (3) $.06; (4) $.11.
Atlas Brass Foundry: Discount for combined award, 1c per lb.; terms, net; (1) $.08; (2) $.07; (3) $.06; (4) $.09.
Magnus Co., Inc. (1 to 5 lbs.: Discount for combined award, net; terms net; (1) $.13; (2) $.12; (3) $.095; (4) $.125.
Magnus Co., Inc. (6 to 10 lbs.: Discount for combined award, net; terms net; (1) $.125; (2) $.115; (3) $.09; (4) $.12.
Magnus Co., Inc. (11 to 20 lbs.: Discount for combined award, net; terms net; (1) $.12; (2) $.11; (3) $.085; (4) $.115.
Magnus Co., Inc. (21 lbs. and over): Discount for combined award, net; terms, net; (1) $.115; (2) $.105; (3) $.08; (4) $.11.

BIDS OPENED
LOS ANGELES, Calif.—Following bids received by Metropolitan Water District, Los Angeles, under Specifications No. 80, for furnishing 200,000 to 800,000 barrels, more or less, of Portland cement.
Santa Cruz Portland Cement Co.: Schedule 1, Item 2, $1.49. No discount fob Long Beach.
California Portland Cement Co., Monolith Portland Cement Co., Riverside Cement Co., and Southwestern Portland ement Co., bidding jointly: Schedule 1, Items 1, 2, 3 and 4, $1.49 per barrel, fob plants as follows: 240,000 bbls. Colton; 160,000 bbls. Monolith; 240,000 bbls. Crestmore; 160,000 bbls. Victorville.
Bids held under advisement.

BIDS OPENED
LOS ANGELES, Cal.—The following bids received by the Metropolitan Water District, Los Angeles, under Spec. No. 79, for furnishing from 1,120,00 to 5,000,000 barrels, more or less, Portland cement:
Santa Cruz Portland Cement Co., Schedule 1, Item 1, $1.49 per barrel; no discount; delivery fob Long Beach.
California Portland Cement Co., Monolith Portland Cement Co., Riverside Cement Co., and Southwestern Portland Cement Co., bidding jointly at: Schedule 1, Item 1, $1.49; (2) $1.47 (3) $1.45; (4) $1.40. No discount; delivery fob plants as follows: Colton, 1,500,000 barrels; Monolith, 1,000,000 barrels; Crestmore, 1,500,000 barrels; Victorville, 1,000,000 barrels.
Bids held under advisement.

San Francisco—Irvington Chlorinating Plant—City

SAN FRANCISCO.—Chas. A. Bruce & Sons, 531 Railroad Ave., Pleasanton, at $9,487 submitted low bid to the Public Utilities Commission, City Hall, for the construction of the Irvington Portal Chlorinating Plant under S. F. Water Dept. Spec. No. 67.

Under the proposed contract, a chlorinator house, a pump house, 3 redwood tanks and certain roads are to be constructed near the Irvington Portal of the Coast Range Tunnel, located about 1½ miles north of the town of Mission San Jose in Alameda county. The chlorinator house and the pump house are to be of wood frame construction with cement plaster and stucco finish and tile roof.

The work involves:
(1) 1000 c.y. roadway excavation;
(2) 250 c.y. structural excavation;
(3) 250 c.y. crushed gravel or broken stone roadway surfacing;
(4) 40 c.y. concrete;
(5) constructing chlorinator house above foundation;
(6) constructing pump house above foundation;
(7) installing pumps and furnishing and installing misc. pipe and fittings;
(8) 1200 l.f. installation of 4-in. pipe furnished by city;
(9) electrical work;
(10) furnishing and erecting 3 redwood tanks;
(11) 320 l.f. constructing redwood trough and installing chlorine solution hose;
(12) 100 l.f. furnishing and installing 10-in. corrugated iron culverts.

Total bids follow:
(A) Chas. A. Bruce & Sons, Pleasanton, $9,487.00.
(B) A. Soda & Son, Oakland, $9,805.00.
(C) P. L. Burr, San Francisco, $10,325.00.
(D) Fred J. Early, Jr., San Francisco $10,502.00.
(E) O. Monson, San Francisco, $11,265.90.
(F) Willis S. Lynn, Oakland, $11.276.
(G) E. T. Lesure, Oakland, $12,313.60.
(H) Garcia Const. Co., Irvington, $12562.21.
(I) H. S. Tittle, San Francisco, $12,629.99.
(J) Barrett & Hilp, San Francisco,
Unit bids follow:
$13,640.00.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .75	$ .615	$ .36	$ .80	$ .492	$ .81	$ 1.50	$ .68	$1.125	$ 1.25
(2)	1.00	1.90	1.20	1.50	2.36	2.00	1.95	2.10	1.988	1.30
(3)	1.50	3.00	3.30	3.50	2.45	3.86	1.65	2.39	3.376	3.30
(4)	25.00	24 00	20.00	26.75	28.90	25.00	18.00	22.75	26.436	32.00
(5)	2100.00	1880.00	2080.00	1890.00	2342.00	2150.00	2700.00	2753.52	2250.00	2600.00
(6)	800.00	560.00	860.00	525.00	888.00	675.00	1160.00	810.00	1125.00	1000.00
(7)	1500.00	1370.00	1450.00	1423.00	502.00	1460.00	1660.00	2185.26	2046.00	2100.00
(8)	.25	.10	.25	.10	1.06	.20	.20	2.50	.40	.30
(9)	1000.00	1165.00	1940.00	2000.00	1971.10	2017.00	1915.00	2090.50	1800.00	2300.00
(10)	330.00	455.00	1120.00	309.00	338.00	335.00	367.00	360.00	335.00	380.00
(11)	.85	1.00	.75	1.10	.87	.95	.68	1.36	.74	1.00
(12)	1.50	2.25	1.50	1.45	1.48	1.50	2.00	2.03	1.00	1.40

All bids held under advisement.

New Amsterdam Casualty Company
COMPENSATION GENERAL LIABILITY PLATE GLASS
ACCIDENT AND HEALTH FIDELITY AND SURETY
BURGLARY AUTOMOBILE INSURANCE
Branch Office Pacific Coast Department
Walter W. Derr, Resident Vice-President and Manager
Montgomery Street - San Francisco

SAN XAVIER, Ariz.—Transmission Line Poles—(Govt.)

LOS ANGELES, Cal.—Bids for furnishing transmission line poles for San Xavier, F. P. No. 200, Ariz., Bid No. 099, were opened by the U. S. Indian Irrigation Service, Los Angeles, Nov. 23. Bids were taken as follows:

(1) 70 30-ft. treated poles;
(2) 10 35-ft. treated poles;
(3) 2 40-ft. treated poles;
(4) 2 45-ft. treated poles;
(5) 2 50-ft. treated poles;
(6) 2 55-ft. treated poles;
(7) 4 60-ft. treated poles;
(8) 30 additional gains as required;
(9) 30 additional bolt holes as required.

The bidders were:

(A) Consolidated Lumber Co., fob Wilmington; delivery 30 days; no discount; Douglas fir.

(B) Graybar Electric Co., fob Lodi or Kildare, Texas; delivery five days; no discount; pine.

(C) General Electric Supply Co., fob De Ridder, Texas; delivery 10 days; no discount; Yellow pine.

(D) J. H. Baxter & Co., fob Long Beach; delivery 10 days; no discount; Western red cedar.

(E) Pan-Pacific Piling & Const. Co., fob Wilmington; delivery 21 to 30 days; no discount; Douglas fir.

(F) Westinghouse Electric Supply Co., fob Nacgodoches, Marshall or Abinger, Texas; shipment 24 hours; no discount; Southern pine.

(G) Texas Creosoting Co. fob Orange Texas; delivery 3 days; no discount; Southern pine.

(H) Joslyn Co. of California, fob plant at Winfield, La.; delivery 6 to 120 days; no discount; Southern pine.

(I) Chas. R. McCormick Lumber Co, fob St. Helens, Ore.; delivery thirty days; no discount; Douglas fir.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$574.00	$410.20	$410.20	$567.00	$640.50	$410.20	$410.20	$346.50	$427.00
(2)	104.80	85.10	85.10	106.00	112.90	85.10	85.00	61.50	75.00
(3)	25.30	21.98	21.98	28.80	26.80	21.98	21.98	14.40	18.00
(4)	32.16	26.42	26.42	34.40	31.50	26.42	26.40	23.50	25.50
(5)	40.10	36.28	36.28	42.20	26.24	36.28	36.28	28.50	28.40
(6)	43.96	43.08	43.08	44.30	41.52	43.08	43.06	37.40	33.00
(7)	108.00	101.32	101.32	104.40	98.60	101.32	101.32	98.40	76.40
(8)	1.20	.....	.....	2.40	2.40	.....	.....	1.20	1.50
(9)	.30	.....	.....	.60	.60	.....	.....	1.20	1.50
Total	929.82	724.38	724.38	930.10	991.06	724.38	724.24	612.60	686.30

WAR DEPARTMENT

SACRAMENTO, Cal.—Until December 3, 3 P. M., bids will be received by the U. S. Engineer Office, Capt. J. G. Drinkwater, District Engineer, Room 208 Post Office Bldg., Sacramento, under Order No. 6933/HMR, for furnishing and operating one Caterpillar tractor and bulldozer for approximately 200 hours.

The equipment is to be used on levee work along the westerly side of the Sacramento River from 6 to 15 miles upstream from Knights Landing.

Specifications obtainable from above office.

PUBLIC ROADS BUREAU

SAN FRANCISCO—Until December 3, 2 P. M., bids will be received by U. S. Bureau of Public Roads, Sheldon Bldg., San Francisco, for hauling one "50" Caterpillar tractor equipped with trail builder from a point 30 miles west of Willows to a government camp about 10 miles from Douglas City and the Douglas City-Peanut Road. The distance is approximately 150 miles; weight 13 tons.

LOS ANGELES — TRANSMISSION LINE HARDWARE — (CITY)

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Rm. 740, 207 S. Broadway, for furnishing transmission line hardware of overhead conductors for use on the Boulder Dam power transmission line, under Specification No. 1545. The bidders were:

(1) General Electric Supply Co., main bid based on the use of Seylor equipment of all items, except 5, 6, and 7, for which Locke equipment will be furnished; to be furnished in carload lots of 60,000 lbs. Alternate bid 1 same equipment as main bid shipments to contain over 100 lbs., but less than 60,000 lbs. Alternate bid 2 for furnishing Brewer equipment in carload lots of 40,000 lbs. Alternate bid 2-A for furnishing Brewer Titchener equipment in lots of over 100 lbs., but less than 40,000 lbs. Alternate bid 3 same manufacturers as specified under main bid but heavier and more complete equipment furnished, in less than carload lots. 3-A same furnish in car load lots. Discount 2%, 20 days.

(2) Ohio Brass Co., Terms net.

(3) Lapp Insulator Co. Terms net;

(4) Graybar Electric Co., main bid based on R. Thomas & Sons equipment. Alternate bid 1 for same equipment in less than carload lots. Alternate bid 2 for Brewer Titchener equipment carload lots. Alternate bid 2-A for same in less than carload lots. Terms net;

(5) Jeffery Dewitt insulator Co. Terms net.

The items are:

(A) 6372 Clevis type fittings for rod connection angles or standard suspension;

(B) 1407 clevis fittings for plate connections, angle or standard suspension;

(C) 7530 upper arcing horns, standard suspension insulators;

(D) 249 upper arcing horns, angle suspension insulators;

(E) 7779 lower arcing horns, angle and standard suspension insulators;

(F) 2112 upper arcing horns, strain insulators;

(G) 2112 lower arcing horns strain insulators;

(H) 2112 upper strain yokes;

(I) 2112 lower strain yokes;

(J) 2112 right angle double clevis strain insulators;

(K) 2112 extension link strain insulators.

The bids were:

	(1)	(Al.1	(Al.2)	Al.2 A	(Al.3)	(Al.3A)	(2)	(3)	(3-Alt)	(4)	(Alt.1)	(Alt.2)	Alt.2A)	(5)
(A)	$ .3211	$ .3795	$ .39	$ .43	$	$	$ .40	$ .48	$.....	$ .4912	$ .5531	$	$	$ .58
(B)	.506	.5449	.59	.63	.....	.....	.62	.74	.49	.7311	.7906	.....	.....	.70
(C)	1.109	1.4008	1.55	.79	4.5926	4.3882	1.25	1.95	.....	2.8335	3.2686	.....	.....	2.63
(D)	1.1384	1.4498	1.57	.81	4.6704	4.2423	1.35	1.96	.....	2.8335	3.2686	.....	.....	2.63
(E)	4.2812	4.7774	4.71	5.21	5.3126	4.612	4.20	5.86	.....	6.5963	6.4802	.....	.....	.....
(F)	2.919	3.4444	3.33	3.71	4.8164	4.1544	3.12	4.18	.....	4.5611	5.0773	.....	.....	.....
(G)	2.919	3.4444	3.33	3.71	7.8618	6.7624	3.12	4.18	.....	4.5611	5.0773	.....	.....	.....
(H)	5.6723	6.4705	6.42	7.23	10.8781	9.837	7.26	7.83	6.20	7.8170	8.8401	7.6769	8.5878	7.73
(I)	6.805	7.0542	7.14	1.91	10.8781	8.837	8.00	8.73	7.15	7.6886	9.7935	8.5532	10.5782	8.25
(J)	.7687	.4962	.47	.56	.....	.....	.90	.95	.88	.9173	1.1253	.....	.....	1.14
(K)	.4087	.4962	.47	.56	.....	.....	.51	.58	.....	.6926	.7106	.....	.....	.50

COOLIDGE, ARIZONA—GENERATOR PLANT—(GOVT)

COOLDIGE, Ariz. — Bids for furnishing a complete Diesel - powered electrical generator stand - by plant of 2500 h.p. capacity for the San Carlos Project, Coolidge, Ariz., were opened by the District Engineer, C. H. Southworth, Coolidge, Nov. 15. The bids were referred to C. A. Engle, Supervising Engineer, and Consulting Engineer Dibble, Los Angeles, for analysis. The bidders were:

Trans - America Constr. Co., (McIntosh & Seymour, 320 Market St., San Francisco).

Nordberg Mfg. Co., Milwaukee, Wis. (417 S. Hill St., Los Angeles).

Enterprise Engine Co., 1000 Alhambra Ave., Los Angeles.

Worthington Pump & Machinery Corp., 5075 Santa Fe Ave., Los Angeles.

Fairbanks, Morse & Co., 2401 Santa Fe Ave., Los Angeles.

The bids were:

(A) Trans-America Constr. Co.
(B) Trans-America Constr. Co.
(C) Nordberg Mfg. Co.
(D) Nordberg Mfg. Co.
(E) Enterprise Engine Co.
(F) Worthington Pump & Nach. Co.
(G) Fairbanks, Morse & Co.
(H) Fairbanks, Morse & Co.
(I) Fairbanks, Morse & Co.

	(1)	(2)	(3)	(4)	(5)	Total	Total Cost Evaluated	Cost Per Net K.W.
(A)	$127,075.00	$ 8041.00	$ 3085.00	$304.00	$25,327.00	$163,832.00	$321.047.59	$206.25
(B)	146,850.00	8808.00	3320.00	312.00	28,183.00	186,373.00	354,639.80	213.08
(C)	150,604.00	5785.00	3735.00	320.00	21,516.00	181,960.00	364,112.62	198.79
(D)	136,746.00	6158.00	3020.00	373.00	16,456.00	162,753.00	325,725.37	197.67
(E)	83,949.00	19633.00	11024.00	1125.00	31,512.00	147,243.00	378,518.00	204.58
(F)	134,000.00	9151.00	1600.00	264.00	26,024.00	171,039.00	344,785.80	208.28
(G)	149,544.00	6039.60	3635.70	327.70	21,990.00	181,537.36	361,157.61	207.40
(H)	113,434.00	6380.24	2808.80	327.70	15,580.00	138,530.74	277,888.51	204.89
(I)	129,385.00	6681.89	2458.80	327.70	16,693.00	155,546.39	315,705.68	201.56

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending November 22:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Alameda City Council	Maitland Drive Improvement	Heafey - Moore Co., Oakland	$ 13,395.00	November 5
Roseville Elementary School District	School Building	Campbell Const. Co., Sacramento	$ 48,627.00	November 5
Burlingame City Council	Street Improvement	Union Paving Co., San Francisco	$ 14,387.00	November 7
Los Angeles Board of Public Works	Terminal Island Outfall Sewer (Items 2a and 3)	Fred W. Weber, South Gate	$ 19,600.00	November 7
Los Angeles County Board of Supervisors	San Gabriel River Outlet, Unit No. 7	Shannahan Bros., Los Angeles	$ 57,262.00	November 9
Fresno City Council	Storm Sewer System	Stewart & Nuss, John Jurkovich, Fresno	$ 29,169.00	November 9
Modesto Irrigation District	Canal Lining, Etc.	J. N. Kristich, Knightsen	$ 31,262.00	November 10
Modesto Irrigation District	Canal Lining, Etc.	California Gunite Co., Hollywood	$ 36,524.40	November 10
Metropolitan Water Dist., Los Angeles	Colorado River Aqued. Sch. 18, 18A, 19 19A, and 20	J. F. Shea Co., Inc., Mecca	$2,557,781.20	November 10
Williams Union Elementary School District	Auditorium Reconstruction	George Kopp, Sacramento	$ 14,521.00	November 13
Soquel Union Grammar School District	School Addition	P. T. Wallstrum, Watsonville	$ 11,150.00	November 4
Los Angeles County Board of Supervisors	Rock Dam Facing, San Gabriel Dam No. 2	Macco Const. Co., Clearwater	$124,175.00	November 14
Turlock Irrigation District	Canal Lining	Ed. Erickson, Modesto	$ 10,816.91	November 15
Cypress Lawn Cemetery Assn., San Francisco	Alterations and Additions to Office Bldg., Etc., Colma	Dinwiddie Const. Co., San Francisco	$ 19,441.00	November 16
San Jose City Council	Street Improvement	A. J. Raisch Paving Co., San Jose	$ 6,833.00	November 20
Amalgamated Sugar Co., Ogden, Utah	Foundations for Sugar Refinery, Clarksburg, Calif.	Lord & Bishop, Oroville	$	November 20
Santa Fe Lbr. Co., San Francisco	Lumber Terminal, Stockton	John Hachman, Stockton	$ 30,000.00	November 21
Standard Oil Co., San Francisco	Wharf Extension, Richmond	Lindgren and Swinerton San Francisco	$	November 21
La Mesa, Spring Valley and Lemon Grove Irrigation Dist.	Concrete and Steel pipe lines	American Concrete & Steel Pipe Company South Gate	$ 54,717.40	November 27

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four week period ending November 22:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Bureau of Public Roads, Ogden	1.56 Miles Highway Construction, Boise County, Idaho	Triangle Const. Co., Spokane	$ 57,919.10	November 3
Bureau of Public Roads,, Portland	0.35 Mile Grading, Snohomish County, Wash.	James Borin, Portland	$ 44,496.54	November 3
Bureau of Public Roads, Ogden	5 Miles Highway Construction, Kane County, Utah	W. W. Clyde and Co., Springville	$ 62,505.50	November 5
Bureau of Public Roads,, Portland	2.384 Miles Grading, Klamath County, Oregon	Van Der Hellen and Pierson, Medford	$140,356.00	November 5
Treasury Department, Washington, D. C.	Post Office Bldg., San Fernando	Sarver & Zoss, Inc., Los Angeles	$ 46,200.00	November 5
Bureau of Public Roads, San Francisco	Grading, San Luis Obispo Co.	Young & Son Co. Ltd. Berkeley	$119,606.65	November 7
Bureau of Reclamation, Hyrum Utah	Canal Earthwork, Hyrum Dam	J. A. Terteling & Sons Boise	$ 27,316.00	November 7
Bureau of Reclamation, Almira, Washington	Grand Coulee Dam Highway Bridge	J. H. Pomeroy, Inc., San Francisco	$241,868.00	November 8
Bureau of Public Roads, Portland	Clearing, Pierce County, Washington	Elliott & Co., Seattle	$ 19,470.00	November 12
Bureau of Public Roads, Portland	2.317 Mi. Grade, 0.985 Mi. Clearing, Lane County, Oregon	Theo. Arenz, Portland	$162,446.00	November 12
Treasury Dept., Washington D. C.	Post Office, Colton, Cal.	Schuler & McDonald, Oakland	$ 37,347.00	November 13
Superintendent of Lighthouses, San Francisco	Lightship No. 83, Conversion	Moore Dry Dock Co., Oakland	$ 65,964.00	November 14
Constructing Quartermaster, Ft. Mason	Underground Electric System, Fort Mason	A. Soda & Son, Oakland	$ 37,650.00	November 22
Bureau of Public Roads, Portland	7.4274 Miles Grading, Umatilla and Union Counties	A. Del Guzzo, Seattle	$ 95,880.94	November 23
Bureau of Public Roads, Portland	1.2 Miles Grading and 1.375 Mi Clearing, Jackson County	F. C. Dillard, Medford	$ 53,141.20	November 26
Bureau of Public Roads, Portland	0.488 Miles Grading, Skamania County, Washington	Coos Bay Const. Co., Portland	$ 62,058.90	November 26
Bureau of Reclamation, Almira, Washington	30 Residences, Grand Coulee Dam	McDonald & Gunmere, Coulee Dam, Wash.	$ 94,400.00	November 26
Treasury Dept., Washington, D. C.	Post Office Bldg., Santa Clara	K. E. Parker Co., San Francisco	$ 30,990.00	November 26

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

CALIFORNIA STATE

SACRAMENTO, Cal.—Until 2 P. M., December 3, bids will be received by the State Purchasing Agent, Sacramento, for furnishing approximately 212,366 bbls. fuel oil for various state activities and institutions, as enumerated below, for the period of January 1, 1935 to December 31, 1935. Certified check or satisfactory bond, 10%:

Mendocino State Hospital, Ukiah, (tank car delivery), 19,000 bbls.

Napa State Hospital, Imola, (barge delivery), 23,700 bbls.

Stockton State Hospital, Stockon, (tank car delivery), 21,500 bbls.

Patton State Hospital, Patton, (tank car delivery), 23,200 bbls.

Pacific Colony — Narcotic Hospital, Sparda, (tank wagon delivery, 7,300 bbls.

California State Prison, San Quentin, (barge delivery), 33,030 bbls.

Folsom State Prison, Folsom, (tank car delivery), 15,593.

Industrial Home for Adult Blind, Oakland (tank wagon delivery), 2100 bbls.

Preston School of Industry, Ione, (tank car delivery), 12,000 bbls. (Also quote on truck and trailer delivery).

Humboldt State Teachers' College, Arcata, (tank wagon delivery), 1800 bbls.

Chico State Teachers' College, Chico, (tank car delivery), 3900 bbls.

Santa Barbara State Teachers' College, Santa Barbara, (tank wagon delivery), 700 bbls.

San Francisco State Teachers' College, San Francisco, (tank wagon delivery), 1000 bbls.

Los Angeles State Building, Los Angeles, (tank wagon delivery), 600 bbls.

San Francisco State Building, San Francisco, (tank wagon delivery), 1800 bbls.

Sacramento State Building, Sacramento, (tank wagon delivery), 3000 bbls.

Fuel Oil, 30,000. To be delivered by barge to Harbor Commission tanks at Piers 25 and 27.

Fuel Oil, 1400 bbls. To be delivered to Harbor Commission barges, dredges or boats at Seller's storage tanks.

Fuel Oil, 13,400 bbls. To be delivered by tank truck to Harbor Commission barges, dredgers or boats at and designated point on the Waterfront.

Diesel Fuel Oil, 100 bbls.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Dept., Washington, D. C., for furnishing the following:

GUNS, lubricating, 120, San Diego; 36 Puget Sound; 50 Mare Island. Sch. 3778; Dec. 4.

FRAMES, hacksaw, 1,200, San Diego; 1,500 Mare Island; 420 Puget Sound Sch. 3777; Dec. 4.

TORCHES, 1-qt capacity, gasoline, 60 San Diego; 340 Mare Island; 132 Puget Sound; 30, Mare Island; 6 Puget Sound; 3 5-gal. portable oil torches and 3 12-gal. capacity do. San Diego. Sch. 3774; Dec. 4.

RULES, East and West Yards. Sch. 3771; Dec. 4.

EQUIPMENT, hoisting and rotating, and spares: East and West Yards. Sch. 3735. Dec. 4.

DRILLS, reversible pneumatic, 10, Mare Island; 30 Puget Sound; 5 wood - boring pneumatic drills, Mare Island; 15 pneumatic grinders, Mare Island; 1 pneumatic chipping hammer, Puget Sound; 60 pneumatic scaling hammers, San Diego and Puget Sound. Sch. 3782; Des. 4.

SCREWDRIVERS: East and West Yards. Sch. 3781; Dec. 4.

IRONS, electric soldering: 350, East Yards; 400 West Yards; 35 electric flat irons and 25 electric glue pots, Mare Island. Sch. 3780; Dec. 4

CHAIN HOISTS: 4 1-ton. Mare Island; 12 ¼-ton and 6 ½-ton, Puget Sound; 20 1-ton, Mare Island; 6 2-ton, Puget Sound. Sch. 3779. December 4.

PIPE, conduit: East and West Yards. Sch. 3766. December 4.

ELECTRODES, welding: East & West Yards. Sch. 3773; Dec. 4.

TILES, 3,000 sq. ft. white floor: Mare Island. Sch. 3804; Dec. 7.

RANGES, 6 oil burning: San Diego. Sch. 3798; Dec. 7.

PANELS, 36 water recovery system condenser panels: Mountain View. Sch. 3800; Dec. 7.

PANS, 1,320 sheet-steel dust pans: Puget Sound. Sch. 3809; Dec. 7.

STEEL, steel piles and structural steel: East or West Yards. Sch. 3803; Dec. 7.

TWINE, cotton and jute twine and sash cord: East and West Yards. Sch. 3802; Dec. 7.

PIPE, cast iron soil pipe and water pipe: East and West Yards. Sch. 3796; Dec. 7.

DRILLS, hollow handle hand drills, 900: Mare Island. Sch. 3794; Dec. 7.

MACHINES, 10 stencil - cutting machines: San Diego and Mare Island. Sch. 3790; Dec. 7.

BLOCKS, high temperature insulation blocks: East and West Yards. Sch. 3783; Dec. 7.

PIPE, iron, wrought, and steel, and steel tubing: East and West Yards. Sch. 3805; Dec. 7.

DISPENSERS, 145 liquid soap dispensers: Mare Island. Sch. 3806; Dec. 7.

LUMBER, pine, East & West Yards. Sch. 3808; Dec. 7.

HANDLES, wood, hammer, chisel and file: East and West Yards. Sch. 3797; Dec. 7.

PIPE and tubing, brass and copper: East and West Yards. Sch. 3789; Dec. 7.

BRACES, ratchet, and breast drills: East and West Yards. Sch. 3813; Dec. 11.

COMPRESSORS, motor - driven air compressors and spares: East & West Yards. Sch. 3824; Dec. 11.

CLAMPS and punches: East and West Yards. Sch. 3821; Dec. 11.

SAWS and miter boxes: East and West Yards. Sch. 3817; Dec. 11.

LINOLEUM: 5,000 sq. yds. battleship: East and West Yards. Sch. 3837; Dec. 11.

CHISELS, chisel blanks and bars: East and West Yards. Sch. 3820; Dec. 11.

DRILLS, portable electric drills and grinders: East and West Yards. Sch. 3816; Dec. 11.

Specifications obtainable from above office.

SACRAMENTO CITY

SACRAMENTO Cal.—Until Dec. 13, 8:15 P. M., bids will be received by the Sacramento City Council, H. G. Denton, City Clerk, for furnishing one squad wagon for the Fire Department equipped with booster pump.

Specifications obtainable from above office.

NEVADA STATE

CHURCHILL COUNTY, Nevada—Until December 11, 10 A. M., bids will be received by the Churchill County Board of County Commissioners at the Telephone Office in Fallon, for furnishing one carload of butt treated Class C Cedar poles, complying with A. T. & T. specifications, which may be seen at the above office.

FRESNO COUNTY

FRESNO COUNTY, Cal.—Until December 7, 2 P. M., bids will be received by the Fresno County Board of Supervisors, J. Reed Schaffer, Clerk, County Courthouse, Fresno, for furnishing 1400 gals. of white traffic lacquer, and 150-gals. of thinner.

Specifications obtainable from above office.

SAN JOAQUIN COUNTY

LODI, San Joaquin Co., Calif.—Until December 17, 7:30 P. M. (to be opened at 8 p. m.) bids will be received by the Lodi City Council, J. F. Blakeley, City Clerk, for furnishing:

(1) 1 1½-ton truck, chassis and cab only, single pneumatic tires all around;

(2) 1 wood express body about 9-ft. long, suitable to be attached to above;

(3) 2 1½-ton trucks, chassis and cab only, pneumatic tires, dual tires on rear wheels;

(4) 2 flat steel beds suitable to attach to above, with power hoist for rear dump, beds to be flat with stake pockets.

Further information on items (1) and (2) may be had on application to John A. Henning, Supt. of Public Utilities, City Hall, and on items (3) and (4) by applying to B. C. Dougherty, Supt. of Streets, Lodi.

No bidding deposit is required.

HUMBOLDT COUNTY

EUREKA, Cal.—Until Dec. 4, 8 P. M., bids will be received by A. Walter Kildale, City Clerk, Eureka, for furnishing the City of Eureka with fuel oil during the year 1935.

Specifications obtainable from above office.

EUREKA, Cal.—Until Dec. 4, 8 P. M., bids will be received by A. Walter Kildale, City Clerk, Eureka, for furnishing the City of Eureka with gasoline during the year 1935.

Specifications obtainable from above office.

EUREKA, Cal.—Until Dec. 4, 8 P. M., bids will be received by A. Walter Kildale, City Clerk, Eureka, for furnishing the City of Eureka with lubricating oil and grease during the year 1935.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS OPENED

GOVERNMENT ISLAND, Calif. — Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, November 21, under Bid No. 1449, for furnishing one 200-foot structural steel, continuous beam span, including all structural steel, bolts for field connections, etc., for the Sycamore Creek Bridge. Delivery fob cars, dock, or trucks, bidder's shipping point:

Judson Pacific Co., Oakland	$2,929
Herrick Iron Works, Oakland	2,440
Golden Gate Iron Works, S. F.	2,895
Palm Iron Works, Sacramento	2,754
Pacific Coast Steel Co., Alameda	2,900
Independent Iron W'ks, Oakland	3,049
Moore Dry Dock Co., Oakland	2,813
Schrader Iron Works, S. F.	3,366
Dyer Bros. Golden West Iron Works, San Francisco	2,662

Bids held under advisement.

BIDS OPENED

GOVERNMENT ISLAND, Calif. — Following bids received by Frank Haynie, Supply Officer, Forest Service Supply Depot, November 21, under Bid No. 1448, for furnishing one 75-ft. structural steel truss span, including structural steel bolts for field connections, etc., for the North Fork Calaveras River Bridge. Delivery fob cars, dock, or trucks at bidder's shipping point:

Independent Iron W'ks, Oakland	$1,448
Pacific Coast Steel Co. Alameda	1,450
Palm Iron Works, Sacramento	1,368
Judson Pacific Co., Oakland	1,276
Moore Dry Dock Co., Oakland	1,554
Western Iron Works, S. F.	1,299
Dyer Brothers Golden West Iron Works, San Francisco	1,516
Schrader Iron Works, S. F.	1,570
Herrick Iron Works, Oakland	1,398

Bids held under advisement.

BIDS OPENED

GOVERNMENT ISLAND, Calif. — Pacific Coast Engr. Co., foot of 14th St., Oakland, at $244 per set submitted low bid to Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, November 21, under Bid No. 1450, for furnishing four sets of steel forms for bridge piers. Delivery fob cars or trucks at bidder's shipping point.

Edward R. Bacon Co., San Francisco, at $270.60 per set, submitted the only other bid.

CONTRACT AWARDED

WHATCOM COUNTY, Washington —Sather & Sons, 8052 15th St., Seattle, at $6450 awarded contract by L. V. Murrow, Director of Highways, Olympia, Nov. 20, for the construction of a treated pile and timber trestle with concrete pile and timber trestle with tracks of C. M. St. P. & P. R. R. Co. on State Road No. 1 (Bellingham-Austin Pass Branch) near Goshen, U.S. P.W. Project NRS 202-B, in Whatcom County. Jansen & Whipple, 2623 C St., Bellingham, submitted an identical bid. The other bids were:

Jansen & Whipple, Bellingham	$6450
Howard S. Wright, Seattle	6469
Wilder & Montfort, Blains	6678
F. E. Bottiger, Bellingham	6530
Croy-Lich Co., Inc., Bellingham	6896
MacRae Bros., Seattle	7605
Carl Bjork, Seattle	7696
John Arrington, Seattle	7756
W. T. Butler & Co., Seattle	8322
H. D. Riffe and W. C. Paxon, Bellingham	8726
Puget Sound Brodge & Dredging Co., Seattle	8943

BIDS WANTED

POLK COUNTY, Oregon—Until December 6, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditroium, third floor, Public Service Bldg., Portland, for the construction of a 190-ft. plate girder bridge over the Yamhill River on the Dallas-Coast Secondary Highway at the junction with the McMinnville-Tillamook Highway about 3 miles west from Willamina, Polk County, U.S.P.W. Project NRS 215-C.

The work requires approximately 310 cu. yds. excavation, 320 cu. yds. concrete, 30,000 lbs. metal reinforcement, 198,000 lbs. structural steel, and 392 lin. ft. concrete handrail.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

BIDS OPENED

BOULDER CANYON, Nev.—Following bid. received by the Bureau of Reclamation, Denver, Nov. 19, under Spec. No. 634.D, for furnishing four structural steel bridge spans, including pings, anchorages, anchor bolts, expansion joints, and all other appurtenant parts and cast steel shoe castings, rocker castings and toothed expansion castings for the four structural steel spans for intake towers at Boulder Dam:

Duffin Iron Co., (shipping point) Chicago; (delivery point) Chicago; (1) $22 950 (2) $4700; (discount) ½%, 10th.

Pittsburg-Des Moines Steel Co., Des Moines; Boulder City; $30,500; $4300; 1% 10th.

Independent Bridge Co., Neville Island; Neville Island; $25,940; $4000 net.

Otis Elevator Co., Buffalo; Denver; $.....; $5580; ½%, 10th.

R. C. Mahon Co., *Detroit; Boulder City; $27,990; $4080; net.

Virginia Bridge & Iron Co., Memphis; Boulder City; $27,360; $4190; ½% 10th.

Mississippi Valley Struc. Steel, St. Louis; Boulder City; $28,579; $3970, net.

American Bridge Co., Gary, Ind.; Boulder City; $27,361; $4745, net.

Ingalls Iron Works, **Birmingham, Ala.; Boulder City; $32,330; $5380, net.

Werden-Allen Co., Milwaukee; Boulder City; $31,500; $4100 ½%, 10th.

McClintic - Marshall Corp., Chicago, Chicago; $19,600; $3650. net.

Consolidated Steel Corp., Ltd., Los Angeles; Los Angeles; $24,033; $4596, net.

Milwaukee Bridge Co., Milwaukee; Milwaukee; $23,120; $5587, net.

Kansas City Struc. Steel Co., Kansas City; Boulder City; $27,950; $3930; ½%, 10th.

American Foundry & Machine Co., Salt Lake City; Boulder City; $—— $3443; ½%, 10th.

*Item 2: Shipping point, Benton Harbor, Mich.; delivery point, Benton Harbor.

**Item 2: Shipping point, Pittsburgh, Pennsylvania.

The materials will be installed by the Government.

PREPARING PLANS

PALO ALTO, Cal.—The Palo Alto City Council has directed the Board of Public Works to prepare plans for subway at Palo Alto Avenue. Preliminary plans have been completed for subway at the Embarcadero. Both projects are to be submitted to State Division of Highways for inclusion in PWA grade separation program.

BIDS WANTED

PLUMAS COUNTY, Cal.—Until December 19, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a reinforced concrete bridge across the North Fork of the Feather River at Rock Creek, consisting of one 205-ft. arch span, four 40- and one 20-ft. reinforced concrete girder spans on concrete piers and abutments, in Plumas County.

The work involves:

(1) 700 c.y. structure excavation;
(2) 60 c.y. rubble masonry;
(3) 830 c.y. Class A Portland cement concrete (structures);
(4) 342 c.y. Class A do (arch ribs);
(5) 24 c.y. Class A do (railing);
(6) 184,000 lbs. bar reinf. steel;
(7) 38,700 lbs. structural steel;
(8) 828 pounds bronze;
(9) 1 lot misc. items of work.

Plans and specifications obtainable from the above office, and on file at office of the District Engineer in San Francisco, Los Angeles and the district in which the work is situated.

22—DREDGING HARBOR WORKS EXCAVATION

FUNDS APPROPRIATED

LONG BEACH, Cal.—The Los Angeles County Board of Supervisors has appropriated $100,000 to the City of Long Beach for improving Rivo Alto Canal, Naples Canal and Colonade Canal, by constructing reinforced sheet piling retaining walls, creosoted anchor piles, tile rods, galvanized pipe hand railings and earth fills, and removing portions of existing concrete retaining walls, coping, steps light standards, pedestals, etc. This rescinds an appropriation of Septem-

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

SAN PEDRO, Cal.—Until December 4, 11 A. M., bids will be received by Headquarters, Naval Operating Base, 11th Naval District, Foot of Broadway, San Diego, for relaying moorings A, B and C at Los Angeles Harbor, San Pedro, under Specifications No. 7853.

The work includes in general the lifting and relaying of three existing ship moorings A. B andC. The mooring "A" consists of a steel buoy to which is connected three lines of 2¾-inch chain, each line of which is 210 ft. long, more or less, and terminating at the outboard end with a 16,000 lb. anchor. Moorings "B" and "C" consist of steel buoys, each with a connected 2¾-in. riser chain hangnig vertically down to the harbor bottom and shackled to a 5-in. wire ring to which is also connected three lines of 2¾-in. anchor chain, each line being about 210 ft. long and terminating at the outboard end with a 16,000 lbs. anchor.

The work consists in general of the lifting of the anchors and chains, the inspection of all fittings, changing the shackles at connections to the concrete sinkers and the securing of shackle pins in all shackles by welding. The contractor shall furnish one new 5000 lbs. concrete sinker. The government will furnish such new chain fittings as may be required for modification and relaying the chains.

Plans and specifications obtainable from above office upon deposit of $10. Lieut-Comdr. G. D. Wetsel, Assistant Public Works Officer.

BIDS WANTED

LEWIS RIVER, Washington—Until December 4, 3 P. M., bids will be received by the U. S. Enginer Office, 306 Customhouse, Portland, under Bid No. 35-319, for removing about 850 miles from Lewis River, Wash., between its mouth and a point about 1¾ miles upstream therefrom.

Plans and specifications obtainable from above office.

BIDS WANTED

THE DALLES, Oregon—Until Nov. 30, 2 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-316, for clearing and grubbing site and loading, hauling and placing about 15,000 cu. yds. of gravel fill on the north slope of the canal bank of The Dalles-Celilo Canal, between Stations 238 and 305, about 10 miles east of the The Dalles.

Plans and specifications obtainable from above office.

23— IRRIGATION PROJ.

BIDS WANTED

MODESTO, Stanislaus Co., Calif.—Until December 17, 2:30 P. M., new bids will be received by the Board of Directors of the Modesto Irrigation District, C. S. Abbott, Secretary, 823 11th St., Modesto, for the making of a rock cut along the Main Canal of the Modesto Irrigation District.

Plans and specifications (revised) obtainable from the above office.

A. Teichert & Son, Sacramento, at $10,320 submitted the previous low bid.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

SAN DIEGO, Cal.—Kyle Steel Construction Co., 5555 Magnolia St., Los Angeles, at $773 (item 1) submitted low bid and recommended for award of contract by the Public Works Officer, 11th Naval District, San Diego, November 20, under Spec. No. 7843, for the installation of a crane in Bldg. No. 20 at the Naval Operating Base (Destroyer Base), San Diego.

Bids were taken as follows:

(1)Installing crane;
(2) one bay;
(3) two bays.

Complete bids follow:

Kyle Steel Const. Co., Los Angeles, (1) $773; (2) $55; (3) $105.

Consolidated Steel Corp., Ltd., Los Angeles, (1) $950; (2) $52; (3) $95.

Acme Ornamental Iron Works, San Diego, (1) $1,030; (2) $115; (3) no bid.

Bids have been forwarded to the Bureau of Yards & Docks, Navy Department, Washington, D. C

BIDS OPENED

BOULDER CANYON, Nev.—Henrie & Holthoff, Versailes, Pa., at $35,700 submitted low bid to the Bureau of Reclamation, Denver, Colo., Nov. 19, under Spec. No. 633-D, for furnishing one station service penstock for installation at the Boulder Power Plant. The other bids were:

Crane O'Fallon, $37,060.01; shipping point, Chicago, Ill.
Babcock & Wilcox Co., $38,500; shipping point, Boulder City, Nevada.
John W. Bean, $40,000; shipping point, Chicago, Ill.
Consolidated Steel Corp. $40,566.67; shipping point, Los Angeles.
Southwest Welding & Mfg. Co., $42,-300; shipping point, Alhambra, Cal.
Allis-Chalmers Mfg. Co., $47,490; shipping point West Allis, Wisc.

The penstock will be installed by the Government.

PLANNED

OROVILLE, Cal.—The Oroville City Council plans purchase of all-steel garbage truck, equipped with automatic hoist and dumping device. C. E. Matkia, councilman, recommended purchase of truck identical with that used in Salt Lake City.

BIDS OPENED

SAN FRANCISCO. — Water Works Supply Co., 501 Howard Street, at $2,472.25 plus $45.31 tax, total $2,517.-56 submitted low bid to T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1288, for furnishing one Venturi meter.

The other bids were:

International Filter Co., $3,288.
Bailey Meter Co., $2,903.
Percy Keatinge, $3,170; plus $30 tax, total $3,200.

Bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing 12 distribution type 10 KVA single phase, 60 cycles, 6900/11,950 Y volts, complete, with oil, for San Xavier F. P. 200, Tucson, Ariz., were opened by the U. S. Indian Irrigation Service, Los Angeles, Nov. 23.

The bids were as follows:

Russell Electric & Machine Co., Tucson (fob cars bdider's shipping point) $.....; (fob cars Tucson) $1805.76; (shipping weight) 445 lbs. each.

Wagner Electric Corp., St. Louis, $1767.84; $1967.84; 530 lbs. each.

Moloney Electric Co., St. Louis, $1-841.88; $1841.88; 470 lbs. each.

General Electric Co., $.....; $1805.-76; 435 lbs. each.

Pennsylvania Transformer Co. Pittsburgh, Pa., $1456.80; $1788.00; 575 lbs. each.

Westinghouse Electric Supply Co., $.....; $1805.76; 445 lbs. each.

Graybar Electric Co., $.....; $1805.76 435 lbs. each.

J. W. White, Casa Grande, $.....; $1805.76; 445 lbs. each.

Westinghouse Elec. & Mfg. Co., $....; $1805.76; 445 lbs. each.

Allis-Chalmers Mfg. Co., $.....; $1,-778.04; 500 lbs. each.

CONTRACT AWARDED

SAN DIEGO, Cal.—Kyle Steel Construction Co., 5555 Magnolia St., Los Angeles, at $773 awarded contract by the Navy Dept., Bureau of Yards and Docks, Washington, D. C., for the installation of a crane in Bldg. No. 20 at the Naval Operating Base (Destroyer Base), San Diego, under Spec. No. 7843.

28—FIRE EQUIPMENT

CONTRACT AWARDED

FRESNO, Cal. — Barrett - Hicks Hardware Co., 1031 Broadway, Fresno, at $1394 awarded contract by the Fresno City Council, November 22 for furnishing 1700 ft. of 2½-in. double jacket cotton rubber lined fire hose and couplings.

30—RESERVOIRS & DAMS

PLANNED

PARADISE, Butte Co., Cal.—Paradise Irrigation District directors considering application for federal loan of $150,000 to be used in raising dam to increase water storage

TO ASK BIDS

SAN FRANCISCO.—Final approval of plans for raising O'Shaughnessy Dam is expected next Monday from Cilfton E. Hickok, Northern California district engineer for PWA.

Water Department will advertise for bids immediately thereafter.

Estimated cost, $3,500,000.

NOTICE TO BIDDERS

GUNNISON, Colorado—Durbin Van Law, 710 Bus Terminal Bldg., Denver, Colo., has been appointed consulting engineer to represent the Roaring Fork Water, Light & Power Co., Aspen, Colorado, in negotiations with prospective bidders on the contract for construction of Taylor Park Dam, Uncompahgre Project of the U. S. Bureau of Reclamation. The power company proposes to construct a 22,-000-volt transmission line from its Aspen plant to the dam site, a distance of 36 miles; and is prepared to submit power cost estimates to all contractors figuring the work.

Prospective bidders should communicate with Mr. Van Law.

PLANNED

MARIN COUNTY, Cal.—Construction program of Marin Water District contemplates new spillway at Lagunitas dam; 750 feet of 24-in. pipe line from Ross reservoir to connect with truck line to Ross; 7000 ft. 8-in. pipe line from Homestead Valley pumping stations to supply line for city in southern part of county; 2225 feet of 8-in. pipe line in Kentfield.

Work will not be undertaken immediately. General Manager John Burt.

31—PIPE LINES & WELLS

PROSPECTIVE BIDDERS

LOS ANGELES, Cal. — Following are additional plan-holders for constructing monolithic concrete siphons, cut-and-cover concrete conduit and appurtenant works of the Colorado River Aqueduct, in accordance with Specifications No. 82 (readvertiseenmt), bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Dec. 4, 10 A. M., as previously reported:

Mark C. Walker & Sons Co., First National Bank Bldg., Omaha, Neb.

J. F. Shea Co., Inc., Mecca, Calif.

Walsh Constr. Co., 904 Chester Williams Bldg., Los Angeles.

Chas. H. Johnston, 2100 Parkgrove Ave., Los Angeles.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Cal.—Following are additional plan-holders for constructing the Monrovia Nos. 1 2 and 3 and Pasadena tunnels and appurtenant works, in accordance with Specifications No. 77, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 17, 10 A. M., as previously reported:

Geo. B. McComb, The Barrett Co., 40 Rector St., New York.

Bates & Rogers Constr. Co., 111 W. Washington St., Chicago.

Winston Bros. Co., Title Guarantee Bldg., Los Angeles.

Belyea Truck Co., 6800 S. Alameda St., Los Angeles.

Bent Bros., 418 Becan St., Los Angeles.

Harry C. Williams, 1650 S. Alameda St., Los Angeles.

James M. Conlon Co., 323 Transamerica Bldg., Los Angeles.

Hastings Tunnel System Corp., 733 S. Adams St., Glendale.

Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles.

Dravo Contracting Co., Neville Island Station, Pittsburg, Pa.

Fidelity & Deposit Co. of Maryland, 405 Montgomery St., San Francisco.

Merritt-Chapman & Scott Corp., San Pedro.

Utah Constr. Co., 1 Montgomery St., San Francisco.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Cal.—Following are additional plan-holders for constructing the Monrovia Nos. 1, 2, and 3, and Pasadena tunnels and appurtenant works, in accordance with Spec. No. 77, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 17, 10 A. M., as previously reported:

George K. Thompson, 354 S. Spring St., Los Angeles.

Consolidated Steel Corp., 6500 East Slauson Ave., Los Angeles.

Atkinson Const. Co., 9135 Russet St., Oakland.

Mark C. Walker & Son Co., First National Bank Bldg., Omaha, Neb.

Foley Bros., Inc., New York Life Bldg., St. Paul, Minn.

Crook & Henno, 253 Lincoln Street, Denver, Colo.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Cal.—Following are additional plan-holders for constructing monolithic concrete siphons, cut-and-cover concrete conduit and appurtenant works of the Colorado River Aqueduct, in accordance with Spec. No. 82 (readvertisement), bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, Dec. 4, 10 A. M., as previously reported:

Daley Corp., 4430 Boundary Street, San Diego.

F. E. Rowsey, 453 S. Spring Street, Los Angeles.

George J. Bock Co., 1007 S. Harvard Blvd., Los Angeles.

West Const. Co., Whitewater, Cal.

Paul J. Tyler, Oroville.

BIDS WANTED

PORTLAND, Oregon—Until December 10, 12 M., bids will be received by the Oceanlake Water District, at Rm. 628, Railway Exchange Bldg., Portland, Oregon, for constructing an extension to the district's existing water line, located in Lincoln County, Oregon.

The work involves about 22,000 feet of 5½-in. or 6-in. O.D. pipe.

Each bid must be accompanied by a bidder's bond or certified check for $1000. R. Dedd, Secretary.

LOW BIDDERS

OWYHEE PROJECT, Ore.—Consolidated Steel Corp., et al, Slauson and Eastern Avenues, Los Angeles, at $606,872.50 submitted low bid to the Bureau of Reclamation, Ontario, Ore., under Spec. No. 598, for the construction of the Malheur River siphon and dead Ox Siphon, North Canal, Dead Ox Flat Division, Owyhe Projectt, Oregon-Idaho. The work is located about six miles southwest of Ontario.

Puget Sound Machinery Depot, Portland, at $637,918.50 submitted the second low bid.

Western Pipe & Steel Co., San Francisco, at $656,927 submitted third low bid and American Concrete and Steel Pipe Co., et al, South Gate, Cal., at $684,663.20 submitted fourth bid.

32— SEWERS & SEWAGE DISPOSAL PLANTS

PLANS COMPLETED

BRAWLEY, Imperial Co., Calif.—Koebig & Koebig, 458 S. Spring St., Los Angeles, have announced that plans will be called shortly for the construction of Unit "B" of the new filtration plant.

AWARD RECOMMENDED

BRAWLEY, Imperial Co., Calif.—Bebek & Brkich nd Artukovich Bros., 912 S. Atlantic Blvd., Hynes, at $77,379.52 were recommended by Brawley City Council for award of contract for the construction of extensions to the sewer system under plans and specifications prepared by Koebig & Koebig, 458 S. Spring St., Los Angeles, consulting engineers. The award will be forwarded to the PWA engineer for approval.

CONTEMPLATED

HEALDSBURG, Sonoma Co., Calif.—Healdsburg City Council has directed the city engineer to prepare drawings and cost estimate for the construction of sewer extensions to serve two industrial plants.

AWARD APPROVED

FRESNO, Fresno Co., Cal.—Federal Public Works Administration, Clifton E. Hickok, Northern California District Engineer, has approved award of a contract to the Trewhitt-Shields Co., 1501 Pacific Southwest Building, Fresno, at $16,480.69, for the construction of a storm sewer in the Central District, PWA Project 6751-2.

PROSPECTIVE BIDDERS

OXNARD, Calif.—Contractors and others who have procured plans for the construction of a sewage disposal plant, bids for which will be opened by the Oxnard City Council, Dec. 11, 7:30 P. M., as previously reported, are

Pacific Flush Tank Co., Chicago (% R. W. Lawton, 137 N. Van Ness Ave., Los Angeles).

Stephens-Adamson Mfg. Co., 2227 E. 37th St., Los Angeles.

Water Works Supply Co., 504 Subway Terminal Bldg., Los Angeles.

J. C. Hickey, P. O. Box 387, Laguna Beach.

Dorr Co., 108 W. 6th St., Los Angeles.

Victor Equipment Co., 1010 E 62nd St., Los Angeles.

Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles.

H. A. Teget, 133 Princeton Street, Ontario.

Byerts & Dunn, 1131 N. Orange Grove Ave., Los Angeles.

Marko Matick, 1269 Colorado Blvd., Los Angeles.

BOND SALE

SAN MATEO, Cal.—Until December 17, 8 P. M., bids will be received by the San Mateo City Council for the sale of $85,000 sewer improvement bonds. Proceeds will be used in construction of extensions to sewer system. A PWA grant is expected to supplement bond funds.

BONDS VOTED

ESCALON, Stanislaus Co., Cal.—Escalon Sanitary District approved bond issue of $12,500 at special election, proceeds to be used for purchase of materials for sanitary system. Application will be made for SERA labor to construct system. George Wallace, Chairman of District.

33— WATER WORKS

BONDS VOTED

WINNEMUCCA, Nev.—A bond issue of $306,000 was approved at a special election for the construction of a municipal power and water system. Application will be made to PWA for loan and grant. Existing plant owned by Western States Utilities Company.

BIDS OPENED

PORTERVILLE, Cal.—Until Dec. 6, 7 P. M., bids will be received by the Porterville City Council for furnishing and delivering fob trench side, Porterville, cast iron water pipe, fittings, and materials, as follows:

(1) 1566 ft. 10-in. CIP;
(2) 2214 ft. 8-in. CIP;
(3) 2214 ft. 6-in. CIP;
(4) 1764 ft. 4-in. CIP;
(5) 2 10-in. valves;
(6) 5 8-in. valves;
(7) 3 6-in. valves;
(8) 32 4-in. valves;
(9) 1 10x8-in. bell end tee;
(10) 3 10x4-in. do;
(11) 1 8x6-in. do;
(12) 9 8x4-in. do;
(13) 3 6x4-in. do;
(14) 10 4x4-in. do;
(15) 1 10x8-in. bell end crosses;
(16) 4 10x4-in. do;
(17) 1 8x6-in. do;
(18) 1 6x6-in. do;
(19) 3 6x4-in. do;
(20) 1 10x8 reducers, 10-in. spigot, 8-in. bell;
(21) 1 8x4 reducers, 8-in. spigot, 4-in. bell;
(22) 3 6x4 reducers, 6-in. spigot, 4-in. bell;
(23) 1 4-in. long radius 1/16-in. bend;
(24) 6 4-in. plugs;
(25) No. 8400 lead;
(26) No. 265 hemp.

Specifications obtainable from above office.

BIDS WANTED

OCEANSIDE, Cal.—Until December 5, 7:30 P. M., bids will be received by the Oceanside City Council for furnishing cast iron bell and spigot pipe, fittings, and valves for pipe replacement for the water department. The materials to be purchased are:

(1) 2842 ft. 6-in. C.I.P.;
(2) 2444 ft. 4-in. C.I.P.;
(3) 2 6-in. gate valves;
(4) 2 4-in. gate valves;
(5) 2 6-in. wye branches;
(6) 4 6-in. ¼ bends;
(7) 4 6-in. 1/16 bends;
(8) 4 6-in. 1/32 bends;
(9) 6 4-in. ⅛ bends;
(10) 4 4-in. 1/16 bends;
(11) 2 4-in. 1/32 bends.

All pipe, valves and fittings must be guaranteed to withstand a working pressure of not less than 150 lbs. per square inch. Pipe and fittings to be delivered at trench side, in the City of Oceanside, Calif. Time of delivery must be stated. John H. Landes, City Clerk. E. T. Duehren, City Water Superintendent.

CONTEMPLATED

MONTEREY COUNTY — Cities of Monterey, Pacific Grove and Carmel have voted to petition Board of Supervisors for a special election to form utility district incorporating three cities for acquisition of municipal water system. Mayors are authorized to engage consulting engineer.

BOND SALE

ARCATA, Humboldt Co., Cal.—No bids were received by the Arcata City Council, November 16, for the sale of $90,000 in waterworks bonds, due to error in proceedings, and the issue has been readvertised for sale, bids to be received December 7.

BONDS SOLD

LOS ANGELES, Cal.—A $5,000,000 block of flood control bonds, election of 1924, bearing interest at 5%, was sold by the County Board of Supervisors to a syndicate headed by R. H. Moulton & Co., 510 S. Spring St., Los Angeles, at par, accured interest, and a premium of $103,535. Other members of the syndicate are Security First National Bank, Blyth & Co., Inc. Griffith-Wagenseller & Durst, Dean-Witter & Co. and the First Boston Corp.

The only other bid was submitted by a syndicate headed by Brown-Harriman & Co. at a premium of $83,000.

BIDS OPENED

FORT MILEY, San Francisco.—T. C. Maher, Menlo Park, at $945 submitted low bid to W. H. Radcliffe, Supervising Superintendent of Construction, Veterans' Administration, Palo Alto, for providing a complete installation for additions to the water distribution system at Veterans' Administration Facility, Fort Miley, including all pipes, fittings, etc.

The other bids were:

Scott Co., San Francisco	$ 997.00
M. Desiano, San Francisco	1164.00
A. Soda & Son, Oakland	1241.00
Anderson & Rowe, S. F.	1440.00

Bids held under advisement.

BOND SALE

EUREKA, Cal.—Until December 11, 8 P. M., bids will be received by the Eureka City Council for the sale of $959,000 issue of bonds, proceeds to be used in construction of Mad River Water supply. Plans for project are being completed by C. C. Kennedy, Call Bldg., San Francisco. Total cost, $1,224,000.

PREPARING PLANS

ROSEVILLE, Cal. — The Roseville City Council has directed County Engineer John A. Shields to prepare plans and specifications for the second unit of improvements on municipal water system. Work will include installation of 4000 ft. 12-in. cast iron pipe. Estimated cost, $12,800.

34 — PARKS AND PLAYGROUNDS

BIDS WANTED

SAN FRANCISCO—Until December 5, 2:30 P. M., bids will be received by the Department of Public Works, Rm. 251, City Hall, for removing field house, wire fencing and back stop at the James Rolph Playground, located on Hampshire St., Army St. and Potrero Ave. Estimated cost $5000. Plans and specifications may be obtained from Chas. Sawyer, City Architect, City Hall, upon deposit of $10.

BIDS OPENED

SAN FRANCISCO.—Following bids received by the Veterans' Administration Facility, Palo Alto, for grass seed, rootings and plants at the Veterans' Administration Facility, Fort Miley, San Francisco:

(1) 350 lbs. grass seed, seaside bent;
(2) 800 rootings, Ref. No. 5, Plumbago Larpentae;
(3a) 250 plants in 4-in. pots, Ref. No. 106, Lantan, Golden Creeping;
(3b) 120 plants in 4-in. pots, Ref. No. 107 and 121, Lantana, Sellowia;
(4) shrubs, box 4- to 5-ft. in height;
(5) native California seed;
(6) 2,200 rod stock; 74,600 pink stock; 500 orange rod stock; 3,000 lavender stock;
(7) 950 rootings;
(8) 11,400 rootings;
(9) 2,000 plants.

California Nursery Co., Niles, 2%, 10 days; 1% 20 days; (1) $385; (3a) $.20 each; (3b) $.20 each; (4) $80; (8) $399; (9) $100.

Germain Seed Co., Oakland, (1) $385.

Lester Rountree, Palo Alto, (net) (5) $6.50.

H. V. Carter, San Francisco, 2%, 10 days; (1) $350.

Sevin-Vincent Seed Co., San Francisco (net) (1) $378.00.

Walter Hoff Nursery, San Francisco 2%, 10 days; (2) $.14 each; (3a) $.47 each; (3b) $.225; (6) $967 (7) $123.50 (8) $171; (9) $67.

Pacific Nursery, Colma, 2% 10 days (2) $.25 each; (3a) $.45 each; (3b) $.25 each; (6) $975; (7) $133; (8) $182 (9) $78.00.

Bids held under advisement.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

LEWIS COUNTY, Wash. — Washington Asphalt Co., 17 W. Lander, Seattle, at $16,036 (hot asphalt) was awarded contract by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and retopping the existing pavement with asphaltic concrete on about 0.5 mile of State Road No. 1, Market St., between Division and Main Sts., in Chehalis, U.S.P.W. Project NRM 75-D, in Lewis County.

CONTRACT AWARDED

KITSAP COUNTY, Wash. — Halleran Bros., 2550 22nd North, Seattle, at $22,007 awarded contract by L. V. Murrow, Director of Highways, Olympia, for clearing, grading, draining, and surfacing with crushed stone about 1.9 miles of the Port Blakeley to Agate Pass Road on Bainbridge Island, Port Blakeley-North, U.S.P.W. Project NRS 212-A, in Kitsap County.

November 23, 1934

CONTRACT AWARDED

JEFFERSON COUNTY, Ore.—J. A. Lyons, 3305 NE Hasley, Portland, at $87,913 awarded contract by the Oregon State Highway Commission, Portland, for 4.89 miles of grading on the Deschutes River-Agency Plains Section of Warm Springs Highway, U. S. P. W. Project NRS 179-B, in Jefferson County.

CONTRACT AWARDED

COWLITZ COUNTY, Wash.—Standard Asphalt Paving Co., 603 Chronicle Bldg., Spokane, at $7,587 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, November 20, for the retopping of the existing pavement with asphaltic concrete on about 0.5 mile of State Road No. 1, and 0.1 mile of State Road No. 12, in Kelso, U.S.P.W. Project NRM 147-F and NRM 167-F, in Cowlitz County.

The other bidders were:

United Contr. Co., Portland	$7,675
C. E. Henriott, Chehalis	7,780
Northwest Roads Co., Portland	8,587
Washington Asph. Co., Seattle	8,614

CONTRACT AWARDED

PIERCE COUNTY, Wash.—Northwest Roads Co., P. O. Box 5072, Portland, at $39,772 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, Nov. 20, for constructing a Portland cement concrete base and an asphaltic concrete pavement on about 1.3 miles of State Road No. 1, Union Avenue between South 74th St. and South 54th St., in Tacoma, U.S.P.W. Project NRM 171-D, in Pierce County.

The other bidders were:

Washington Asph. Co., Seattle	$42,096
Albertson & Cornell Bros., Tacoma	42,991
Standard Asphalt Paving Co., Spokane	43,632
Jos. Warter Sr., Tacoma	47,779

CONTRACT AWARDED

WHATCOM CO., Wash.—Standard Asphalt Paving Co., 603 Chronicle Bldg., Spokane, at $14,337 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, November 20 for paving with Portland cement concrete and retopping the existing pavement with asphaltic concrete on about 0.5 mile of State Road No. 1, State Street between Ivy and Holly Sts., in Bellingham, U.S.P.W. Project NRM 17-C, in Whatcom County.

The other bidders were:

Washington Asph. Co., Seattle	$17,327
Northwest Roads Co., Portland	17,436
United Contr. Co., Portland	17,998
Axel Lind and C. G. Burnett, Bellingham	19,167

CONTRACT AWARDED

PEND OREILLE COUNTY, Wash. —N. A. Degerstrom, 15 E 32nd St., Spokane, at $83,690 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, Nov. 20, for clearing, grading, draining, surfacing with crushed stone and constructing two treated pile and timber trestles (one 46.5 ft. and one 49 ft. long) on about 3 miles of State Road No. 6, Tiger to Ione, U.S.P.W. Project NRS 193-D, in Pend Oreille County. The other bids were:

L. Coluccio & Co., Seattle	$86,111
D. A. Sullivan & Co., Spokane	86,715
Clifton & Applegate, Spokane	86,925
Frank J. Haas, Grandview	87,790
Triangle Constr. Co., Spokane	91,302
March Constr. Co., Spokane	92,762
Goodfellow Bros., Wenatchee	92,128
James Crick, Spokane	93,306
George F. Price, Dayton	93,603
G. D. Lyon & Co., Spokane	93,654
Max J. Kuney, Spokane	95,018
Wilder & Montfort, Blaine	96,246
Colonial Constr. Co., Spokane	97,038

BIDS WANTED

MULTNOMAH COUNTY, Oregon—Until December 6, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorum, third floor, Public Service Bldg., Portland, for 1.41 miles paving on the Clinton Street-Foster Road Section of 82nd Avenue, Multnomah County, U. S.P.W. Project NRM 199-F.

The work involves approximately 20,000 cu. yds. excavation, 14,000 lin. ft. concrete curbs, 37,000 sq. yds. Portland cement concrete pavement and 10,000 sq. yds. rock shoulders.

Plans and specifications obtainable from the State Highway Commission, Room 322 State Office Bldg., Salem, upon deposit of $5.

BIDS WANTED

COOS COUNTY, Oregon—Until December 6, 9 A. M., bids will be received by Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor(Public Service Bldg., Portland, for 0.34 mile pavement widening and

resurfacing on the Golden Avenue-Johnson Avenue Unit, Marshfield Section of Oregon Highway, Coos County U.S.P.W. Project NRM 141-F.

The work involves 1200 sq. yds. of Portland cement pavement and 6,000 sq. yds. asphaltic concrete resurfacing.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5. 9

BIDS WANTED

SAN FRANCISCO.—Until December 7, 11:30 A. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the improvement of Lombard Street (S½) between 192-ft. 6-in. and 220-ft. east of Steiner Street, and others (sidewalks).

The work involves 8,000 sq. ft. one-course concrete sidewalk.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall; no deposit.

BIDS WANTED

SAN FRANCISCO.—Until December 7, 11:30 A. M., bids will be received by the Department of Public Works, S. J. Hester, Chief Deputy Director, Room 251, City Hall, for the improvement of Moraga Street between 17th and 18th Avenues, where not improved, and other streets.

The work involves:

(1) 680 l.f. 6-in. vit. clay pipe side sewer;
(2) 479 l.f. armorred concrete curb;
(3) 383 l.f. unarmored conc. curb;
(4) 813 sq. ft. 6-in. Class E concrete pavement;
(5) 18,318 sq. ft. asphalt concrete pavement, consisting of 6-in. Class F concrete base and a 2-in. asphaltic concrete wearing surf.;
(6) 1,400 sq. ft. 2-in. asphaltic wearing surface.

Plans and specifications obtainable from City Engineer John J. Casey, Room 387, City Hall, upon deposit of $10.00. *

SUB-BID

SAN BENITO COUNTY, Cal.—Edward R. Jameson, P. O. Box 1171, Sacramento, is prepared to offer a bid on the sub-contract for erecting fence in connection with the contract for grading and surfacing 2.6 miles between Route 2 and San Juan Bautista, San Benito County, for which bids will be received by the State Highway Commission, Sacramento, December 19, 2 P. M., as previously reported. 9

AWARD

SKAMANIA COUNTY, Wash.—Coos Bay Constr. Co., 7433 N. Jersey St., Portland, at $62,058.90 awarded contract by the Bureau of Public Roads, Portland, for constructing or improving 0.488 miles of the North Bank Highway Grading Project, NR-18-A3, National Forest Road Project, located within the Columbia National Forest, Skamania County. 9

BIDS WANTED

PIERCE CO., Wash.—Until Dec. 5, 10 A. M., bids will be received by the U. S. Bureau of Public Roads, 316 New Postoffice Bldg., Portland, W. H. Lynch, District Engineer, for constructing or improving the Mt. Rainier National Park, East Side Highway Project PEC-5-D, Grading and Tunnel, National Park Road Project, located within the Mt. Rainier National Park, Pierce County, Wash.

The length of the project is approximately 3.117 miles grading and 0.097 mile tunnel, and the work involves:

(1) 2 acres clearing;
(2) 22 acres grubbing;
(3) 206,160 c.y. unclass. excavation;
(4) 320,000 sta. yds. overhaul;
(5) 3.117 miles finish earth graded road;
(6) 4,000 mi. yds. cushion haul;
(7) 15,900 l.f. rounding cut slopes;
(8) 70 each dangerous trees & snags;
(9) 65 MFBM untreated timber tunnel lining;
(10) 11 acres roadside cleanup;
(11) 250 c.y. masonry retaining walls;
(12) 43 c.y. masonry headwalls;
(13) 40 c.y. masonry guard rail (type 2);
(14) 1,090 l.f. culverts (alternate);
(15) 210 l.f. reinf. concrete pipe;
(16) 1,440 l.f. do (extra strength);
(17) 10,000 c.y. overruns in slides and overbreakage;
(18) 510 l.f. tunnel;
(19) 600 l.f. 8-in. porous tile underdrain (tunnel);
(20) lump sum, slope stabilization.

Plans and specifications obtainable from the above office upon deposit of $10.00. 9

November 28, 1934

BIDS WANTED

SAN MATEO CO., Cal.—Until Dec. 19, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of about 1.7 miles of grading and paving with asphalt concrete in San Mateo County in Daly City, between Huron St. and San Pedro Ave.

The work involves:

(1) 30,500 c.y. rdwy. excav., unclass.
(2) 80,000 sta. yds. overhaul;
(3) 60 c.y. structure excavation;
(4) 110 M. gallons water;
(5) 5,700 c.y. remove existing Portland cement concrete;
(6) 16,000 sq. yds. remove existing asphalt surface;
(7) 9,250 tons crusher run base;
(8) 4.5 tons emulsified asph. road oil;
(9) 18 tons screenings;
(10) 46,000 sq. yds. asph. paint binder
(11) 21,350 tons asphalt concrete;
(12) 850 c.y. Class A Portland cement concrete (pavement);
(13) 15 c.y. do (structures);
(14) 1,400 c.y. do (sidewalks, curbs);
(15) 35 c.y. do (curb backing);
(16) 5,400 c.y. Class C Portland cement concrete;
(17) 1,100 lbs. bar reinf. steel;
(18) 1,550 l.f. remove and reset stone curbs;
(19) 400 sq. ft. redressing stone curbs
(20) 300 l.f. 8-in. perforated metal pipe underdrains;
(21) 200 l.f. 12-in. CMP;
(22) 2,060 l.f. 12-in. reinf. conc. pipe;
(23) 1,660 l.f. 15-in. do;
(24) 865 l.f. 18-in. do;
(25) 5,250 l.f. 4-in. vit. clay pipe;
(26) 800 l.f. 6-in. do;
(27) 9 each new brick catchbasins;
(28) 5 each new lampholes;
(29) 5 each new brick manholes;
(30) 25 each manholes adjusted to grade;
(31) 20 each special offset manholes;
(32) 80 each meter boxes, removed and reset;
(33) 100 each crosswalk markers;
(34) 80 sta. finishing roadway;
(35) 38 each monuments complete in place.

Plans and specifications obtainable from the above office and on file at the offices of the District Engineers in San Francisco, Los Angeles, and the district in which the work is situated. *

CONTRACT AWARDED

KERN COUNTY, Cal.—D O C Construction Co., Room 222, La Arcada Bldg., and Robt. D. Paterson, 1911 San Andres St., Santa Barbara, at $39,873.45 awarded contract by State Highway Commission, Sacramento, for 1.6 miles of grading and surfacing with bituminous treated crushed gravel or stone in Kern County between one mile east of Taft and ½ mile west of Taft.

NOTICE TO BIDDERS

SAN BENITO COUNTY, Cal.—A representative of the District Office will accompany prospective bidders over the proposed project in San Benito County, between Junction of Route 2 and San Juan Bautista, Rd. V-SBt-22-C, SBt, for which bids are to be received in Sacramento on December 19.

Said representative will meet prospective bidders at beginning of project in San Juan Bautista on Wednesday, December 12, at 10 A. M.

Prospective bidders are urged to co-operate with the District Office and arrange to make their field inspection on the above date.

NOTICE TO BIDDERS

TULARE COUNTY, Cal.—A representative of the District Office will accompany prospective bidders over the proposed project in Tulare County, in the City of Tulare, Road VI-Tul-4-Tul, for which bids are to be received in Sacramento on December 12.

Said representative will meet prospective bidders in the City of Tulare at Hotel Tulare, on Friday, December 7, at 8 A. M.

Prospective bidders are urged to co-operate with the District Office and arrange to make their field inspection on the above date. 29

CONTRACT AWARDED

ELKO COUNTY, Nev.—Wm. Hoops Const. Co., Twin Falls, Idaho, at $100-811.88 submitted low bid and awarded contract by Nevada State Highway Directors, Carson City, for the reconstruction of a portion of the State Highway System in Elko Co., Route 13, Sections C1, C2, and C3, between Wells and four miles south of Little Salmon River, a length of approximately 49.78 miles.

Utah Construction Co., Ogden, at $101,250.73 submitted second low bid.

CONTRACT AWARDED

NYE COUNTY, Nev.—Dodge Const. Inc., Fallon, at $63,630.50 submitted low bid and awarded contract by the Nevada State Highway Directors, Carson City, for the construction of a portion of the State Highway System in Nye County between Calloways and Currant, Route 4, Section D3, a length of 6.16 miles.

Fredrickson & Watson Const. Co., Oakland, at $65,979.32 submitted second low bid.

BIDS OPENED

GRANT COUNTY, Ore.—Schmeer, Williams and Gentemann, 3233 NE 12th St., Portland, at $49.728 submitted low bid to the U. S. Bureau of Public Roads, 316 New Postoffice Building, Portland, Nob. 23, for constructing or improving the Pendleton - John Day Surfacing Project NR-33-E1, F1, National Forest Road Project, located within the Whitman National Forest Grant County, Oregon.

Complete blds follow:

Schmeer, Williams and Gentemann, Portland	$49.728
Rogers Const. Co., Dayton, Washington	49,989
Ralph Davis, St. John, Wash.	52,004
A. T. Dolan, Tillamook	57,064
J. D. Lyon & Co., Spokane	58,004
Joplin & Eldon, Portland	58,438
E. C. Hall, Eugene	58,743
H. G. Johnson, Portland	61,006
J. W. & J. R. Hillstrom, Marsh Field	62,971
F. G. Redmon, Yakima	64,667
Carl Nyberg, Spokane	64,801
E. Hefty, Portland	66,066
Edelfson-Weygandt, Portland	66,276
F. J. Haas, Helena, Hont.	69,406

Blds held under advisement.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

APACHE CO., Ariz. — Highway Constr. — (State)

APACHE COUNTY, Ariz.—Lee Moor Contracting Co., 807 Bassett Tower Bldg., El Paso, Texas, was awarded the contract by the Arizona State Highway Commission, Phoenix, Nov. 21, at $59,103, for highway construction on the Holbrook-St. Johns Highway (NRH 78-H (1935) AFE 2655). The bids were opened Nov. 20. The work, which is to begin at the Little Colorado River, approx. 33 miles southeast of Holbrook and extends easterly about 2¾ miles, consists of grading and draining the roadway and placing select materials, and is to be completed on or before April 15, 1935.

The items and approximate quantities are:

(1) 27,669 cu. yds. rdwy. excav., unclassified;
(2) 1972 cu. yds. drainage do;
(3) 1383 cu. yds. slides and overbreakage;
(4) 443 cu. yds. structural excav., unclassified;
(5) 7850 cu. yds. borrow do;
(6) 13,159 sta. yds. earthwork overhaul;
(7) 1060 cy. mi. earthwork, haul;
(8) 4821 cu. yds. select material;
(9) 11,487 cu. yd. mi. select material, haul;
(10) 206 cu. yds. Class A concrete (including cement);
(11) 16 480 lbs. reinf. steel bars (CIP);
(12) 148 lin. ft. 18-in. CMP (CIP, including bands);
(13) 42 lin. ft. 24-in. do;
(14) 436 lin. ft. 30-in. do;
(15) 334 lin. ft. 36-in. do;
(16) 27,880 lin. ft. std. line fence (CIP)
(17) 1120 lin. ft. reconstructing fence (CIP);
(18) 2600 lin. ft. graded ditches;
(19) 1 lump sum removal of wooden bridge opp. Sta. 785 plus;
(20) 18 ea. right-of-way markers CIP)
(21) 100 M. gals. sprinkling (CIP);
(22) 75 hours rolling;

Structures Over 20-ft. Clear Span

(23) 1950 cu. yds. drainage excav., unclassified;
(24) 897 c.y. street do;
(25) 13 cu. yds. Class AA concrete, including cement;
(26) 529 cu. yds. Class A do;
(27) 61,115 lbs. reinf. steel bars (CIP)
(28) 94,790 lbs. structural steel (CIP);
(29) 1 lump sum removing and salvaging old structure.

The total bids were:

(A) Lee Moor Contr. Co., El Paso, $59,102.74.
(B) Pearson & Dickerson Contr., Inc., Prescott, $59,836.14.
(C) Phoenix-Tempe Stone Co., Phoenix, $67,816.49.
(D) H. J. Hagen, Globe, $67,854.88.
(E) K. De Witt, Mesa, $69,477.60.
(F) Wm. Peper Const. Co., Phoenix, $71,742.97.
(G) R. C. Tanner-W. E. Hall, Phoenix. $71,975.79.
(H) Hodgman and MacVicar, P. O. Box 182, Flagstaff, $74,052.39.
(I) Del E. Webb Const. Co., Phoenix, $76 277.67.
(J) All Arizona Engr. & Const. Co., and Olds Bros. Lbr. Co., Clifton, $76,819.04.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ .66	$ .52	$ .80	$ .70	$ .80	$ .75	$ .98	$ .80	$ .85	$ .73
(2)	.275	.31	.50	.30	.35	.35	.40	.25	.35	.80
(3)	.495	.39	.60	.525	.60	.5625	.735	.60	.6375	.5475
(4)	.75	1.00	1.75	1.00	3.00	1.50	1.50	1.00	2.00	2.00
(5)	.20	.31	.30	.20	.25	.30	.25	.25	.25	.25
(6)	.025	.03	.04	.04	.04	.04	.04	.05	.05	.04
(7)	.19	.19	.27	.75	.30	.12	.25	.40	.30	.30
(8)	.19	.22	.20	.30	.25	.35	.25	.50	.20	.25
(9)	.165	.10	.09	.10	.10	.12	.11	.12	.18	.15
(10)	20.00	22.00	21.00	20.00	21.00	24.00	21.00	25.00	30.00	22.00
(11)	.055	.055	.06	.05	.0525	.055	.055	.06	.06	.065
(12)	1.95	2.00	2.00	2.00	1.90	2.50	1.90	2.00	1.80	2.00
(13)	3.00	3.00	3.15	3.00	2.85	3.50	2.90	3.00	2.75	3.00
(14)	3.60	4.00	3.75	4.00	3.60	4.50	3.40	4.00	3.75	4.00
(15)	5.50	6.00	6.00	6.00	5.75	6.00	5.30	5.50	5.35	6.20
(16)	.06	.06	.08	.065	.08	.08	.075	.07	.075	.075
(17)	.03	.06	.06	.03	.08	.04	.075	.07	.065	.075
(18)	.03	.04	.07	.03	.10	.05	.08	.05	.05	.05
(19)	35.00	35.00	65.00	100.00	50.00	100.00	35.00	40.00	150.00	50.00
(20)	2.50	3.50	2.75	2.50	3.00	4.00	2.50	2.00	3.00	2.00
(21)	2.50	2.50	2.50	3.00	2.50	2.50	2.50	3.00	3.00	2.50
(22)	3.50	4.00	4.00	4.00	3.00	3.00	6.50	3.50	5.00	5.00
(23)	.30	.45	.45	.40	.35	.50	.40	.25	.25	.80
(24)	.75	2.00	1.75	2.50	3.00	3.00	2.50	4.00	2.00	5.00
(25)	75.00	75.00	80.00	70.00	70.00	80.00	75.00	75.00	75.00	90.00
(26)	20.00	24.00	21.00	24.00	22.00	24.00	21.00	25.00	30 00	28.00
(27)	.055	.055	.06	.06	.0525	.055	.055	.06	.06	.065
(28)	.063	.065	.07	.065	.065	.07	.065	.07	.075	.075
(29)	1000.00	650.00	500.00	3000.00	1800.00	2000.00	450.00	1800.00	350.00	1700.00

BIDS OPENED

SAN FRANCISCO.—T. E. Connolly, 461 Market Street, San Francisco, at $98,812 submitted low bid to the Public Utilities Commission, City Hall, for the construction of Tunnel No. 1-B of the Lower Cherry Aqueduct under Hetch Hetchy Water Supply Contract No. 151.

The Tunnell is to be 2910 feet in length and is to replace an existing wood flume of the Lower Cherry Aqueduct in Tuolumne County.

The work involves:

(1) 6,900 c.y. tunnel excavation;
(2) 5 MFBM permanent timbering in tunnel;
(3) 200 c.y. concrete lining in tunnel;
(4) 20 c.y. excavation in open cut and above ground surface;
(5) 10 c.y. concrete do;
(6) 20 bbls. extra cement in concrete;
(7) 5,000 lbs. reinforcing steel;
(8) 5,000 lbs. placing metal work furnished by the City.

Total bids follow:

(A) T. E. Connolly San Francisco, $98,812.00.

(B) Morrison-Kundsen Co., Los Angeles, $98,814.00.

(C) Healy-Tibbitts Const. Co., San Francisco, $106,324.00.

(D) S. H. Palmer Co., San Francisco, $116,900.00.

(E) MacDonald & Kahn Co., Ltd., San Francisco, $120,650.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$13.68	$13.30	$14.66	$15.50	$16.50
(2)	28.00	120.00	100.00	100.00	90.00
(3)	16.00	25.00	20.00	40.00	25.00
(4)	1.00	4.00	2.00	2.50	5.00
(5)	20.00	30.00	15.00	35.00	30.00
(6)	3.00	3.20	4.00	5.00	5.00
(7)	.06	.10	.06	.10	.09
(8)	.10	.10	.02	.09	.08

All bids held under advisement.

AWARD

JACKSON COUNTY, Oregon—F. C. Dillard, Medford, Oregon, at $53,141.20 awarded contract by the Bureau of Public Roads, Portland, for 1.2 mile grading and 1.375 mile advance clearing on the Tiller Trail Highway, Grading Project FHEC-16-G, National Forest Road Project, located within the Umpqua National Forest, Jackson County, Oregon.

Phone TRinity 0241 for —Consolidated Rock Products Co.
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Unit Price Review

DECEMBER 8, 1934

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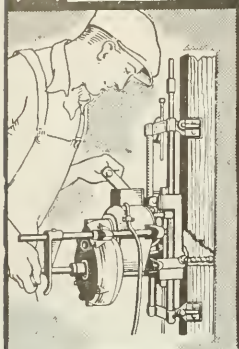
WAPPAT Electric TOOLS



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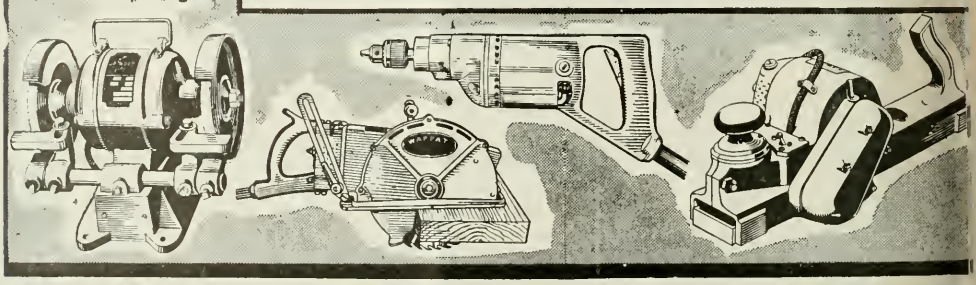

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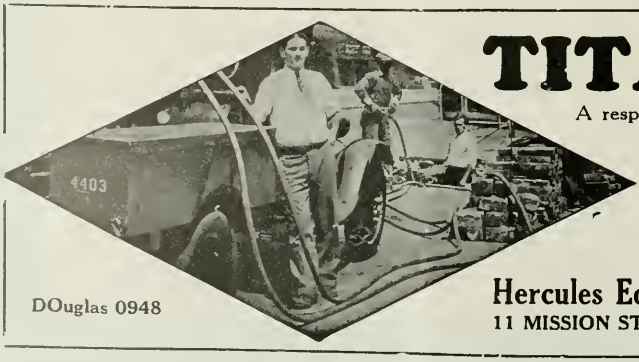

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PACIFIC CONSTRUCTOR

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Vol. XVII SAN FRANCISCO CALIF., DECEMBER 8, 1934 No. 49

City Opens Visitacion Valley School Bids; Frank J. Reilly Low at $181,200

Frank J. Reilly, 6350 Fulton street, submitted the low bid on the general contract for construction of Visitacion Valley school, among seven bids received yesterday by the San Francisco Department of Public Works. Reilly's bid was $181,231.

The school is one of those to be erected under the $3,000,000 PWA program and is the second on which bids have been asked. It will be located on Schwerin street between Visitacion and Leland Sts.

The building was designed by Architects Hyman and Appleton and G. Albert Lansburgh. Leland and Haley are mechanical engineers, and K. Theill structural engineer on the project. The main structure will house a complete school unit containing seven rooms, library and kindergarten. Bids were taken with alternative deduction for omission of a detached auditorium which may be included or omitted in the award, depending upon cost.

Complete total bids on the general contract follow:

Frank J. Reilly	$181,231
K. E. Parker Co.	186,940
Anderson & Ringrose	188,000
MacDonald & Kahn, Ltd.	190,497
William Spivock	191,915
Leo Epp	203,877
J. L. McLaughlin	209,702

Seven bids were received also on the contract for mechanical work and plumbing as follows:

Anderson & Rowe	$21,980
F. W. Snook Co.	22,636
Scott Company	22,987
James A. Nelson, Inc.	23,543
M. Desiano	23,988
Schuster & Hudson, Inc.	24,130
Higgins and Kraus	25,826

Eleven bids on the electrical contract were submitted, with a range of only $729 between the high and low figures. Complete total bids on this portion of the work follow:

Central Electric Co.	$10,632
Charles Langlais	10,662
H. C. Reid & Co.	10,737
DeLatour Electric Co.	10,787
Strong & Smith	10,872
NePage-McKenny	10,881
E. J. Lynch Electric Co.	10,884
Scott-Buttner	11,045
Edward F. Dowd	11,330
C. C. McLean	11,361

TERTELING AWARDED RYE PATCH DAM

WASHINGTON, D. C., Dec. 3.—Contract for construction of the Rye Patch Dam, near Lovelock, Nevada, was awarded to J. A. Terteling & Sons, Boise, today by U. S. Bureau of Reclamation The firm was low bidder on the contract at $256,320.

ONTARIO, Ore., Dec. 3.—J. A. Terteling & Sons, Boise, today submitted the low bid to U. S. Bureau of Reclamation at $123,894 for construction of portions of the North Canal in the Owyhee Project. Morrison-Knudsen Co., at $136,344 was second low bidder and Haas, Doughty and Jones, at $167,014, third. The work includes 825,000 cubic yds. estimated excavation unclassified.

Louis A. Geisler Low on Camarillo Hospital Buildings

SACRAMENTO, Dec. 4.—Louis A. Geisler of Huntington Park today submitted the only bid on the general contract for construction of a group of buildings, including boiler plant, kitchen and dining room, at the State Hospital Site, Camarillo. Amount of the bid was $162,593.

Low bid for mecbancial work was submitted by F. C. Schilling of Los Angeles, at $26,852. Eddy Electric Company of Stockton was low bidder on electrical work, at $6,403. York Ice Machinery Company of Los Angeles submitted the only figure on refrigeration, at $13-325.

SEEK $2,750,000 PWA FUNDS FOR BENTON FIELD

Carter to Ask Appropriation For Immediate Completion of Alameda Depot

The Federal Public Works Administration will be asked to appropriate $2,750,000 to complete construction of Benton Field at Alameda for the main repair and supply depot of the U. S. Army Air Corps on the Pacific Coast.

No Congressional action is necessary to obtain these funds. All that is required is the approval of the Federal Public Works Administration at Washington, and this will be requested by Congressman Albert E. Carter before next January 1.

Carter revealed his plans to seek PWA funds for the immediate completion of the local army air depot project following an inspection of the site last week. He expects to leave within the next few days for Washington, where he will place his request before the Public Works Administration officials before Congress meets next January, he said.

Capt. Leander Larsen, constructing quartermaster at Benton Field, was enthusiastic over the prospects of completing the flying depot at an early date.

"With two and three-quarters million dollars we can complete all construction work at Benton Field within 13 months," he declared "That would give us one month to advertise for bids and 12 months for actual building operations."

To date $464,000 has been expended by the Federal Government on the Benton Field project. Capt. Larsen said. Only $36,000 is left in the construction fund and $18,000 of that amount has been set aside for top surfacing. No permanent buildings other than a water storage tank and pump house have yet been erected.

The two and three-quarters million PWA appropriations which Carter will seek will be enough to construct all buildings, including an airplane machine shop covering four and a half acres, Captain Larsen said.

MET. DISTRICT TUNNEL BIDS DECEMBER 17

Receiving Proposals Twelve Miles of Tunnel Construction

The Metropolitan Water District of Southern California will open bids December 17 for construction of the Monrovia Nos. 1, 2, and 3, and Pasadena tunnels of the Colorado River Aqueduct project.

The work consists of excavating and lining of four circular water supply tunnels having interior diameters of ten feet, and has been divided into three bidding schedules as follows: Schedule No. 1, Monrovia Nos. 1 and 2 tunnels, 7,865 and 940 feet in length, respectively; Schedule No. 2, Monrovia No. 3 tunnel, 32,114 feet in length; and Schedule No. 3, Pasadena tunnel, 12,143 feet in length.

The Monrovia tunnels are located in the San Gabriel Mountains, eight to fourteen miles east of Pasadena. The Pasadena tunnel is located principally along Mountain street in the city of Pasadena, with the east portal near Hill street and the west portal near the intersection of Winona and Blake avenues, all in Los Angeles county.

Schedule No. 2 covers the largest portion of the work, construction of the Monrovia No. 3 tunnel, and includes among others major items of approximately 165,000 cubic yards excavation in the tunnel, 68,000 cubic yards concrete in the tunnel, bulkhead and adjacent lining, furnishing and erecting 700,000 feet of permanent timber in the tunnel, placing 5,000,000 pounds of reinforcing steel and erecting 100 tons steel support in the tunnel.

The District will open bids tomorrow for construction of about twelve and eight-tenths miles of siphons and cut-and-cover conduit in Riverside county.

SET $2,500,000 AS FRESNO DRIVE GOAL

A goal of $2,500,000 worth of modernization work has been set in the Fresno Better Housing Campaign.

Mayor Z. S. Leymel, in a conference with SERA workers now engaged in a house-to-house canvass to acquaint property owners with the provisions of the Federal Housing Act, suggested the $2,500,000 goal after receiving reports that jobs involving expenditure of $1,518,306 have been pledged.

SERA workers will continue the canvass throughout December to obtain the pledges necessary for attainment of the goal. During the week ending November 30 the canvassers signed up 314 jobs involving expenditures of $218,789. Altogether the workers have obtained 1820 pledges aggregating $1,111,960, and $406,346 in pledges was obtained by volunteer workers.

Deuprey To Head General Contractors' Code Compliance

The California State Administrative Agency of the Divisional Code Authority for General Contractors has retained Munson Deuprey to assume charge of certain of the administrative and compliance features of the General Contractors' Code Authority activities for the State of California.

Mr. Deuprey has been with the State NRA compliance director's office in San Francisco since the establishment of the office and during this period of time has devoted a great deal of attention to the administration and enforcement of all of the codes affecting the construction industry. His experience in the construction field prior to his connection wth NRA peculiarly fitted him for this phase of NRA administration during its preliminary period in California.

The duties which were assumed by Mr. Deuprey as of December 1 have not yet been fully assigned by the agency board, according to Floyd O. Booe, secretary, but it is probable that he will act in the capacity of a compliance director for the General Contractors' Code Anthority for the entire state and will also have direction of many of the administrative features of the code.

A special meeting of the agency board has been called at Los Angeles today, at which time the specific duties to be assigned to Mr. Deuprey will be finally determined and, in addtion, he will probably spend several days in Southern California making a survey and investigation of the requirements of general contractor code administration in Southern Californa.

Mr. Booe further stated that because of the prior experience Mr. Deuprey has had through his NRA activities and in addition his wide general knowledge of the peculiar problems of the construction industry, the California State Administrative Agency considers itself fortunate in having been able to prevail upon him to become affiliated with the administration of the General Contractors' Code in Calfornia.

BULLETIN DISCUSSSES SKIDDING ON ROADS

"Skidding Characteristics of Automobile Tires on Roadway Surfaces and Their Relation to Highway Safety," by R. A. Moyer, associated professor of civil engineering, is a recent publication of the Iowa Engineering Experiment Station at Iowa State College, Ames Iowa. Copies of the booklet, Bulletin 120, may be obtained free of charge from the Experiment Station.

FINISH WORK ON EAST BAY SUBSTRUCTURE

$4,495,000 Contract For Underwater Piers Completed; Fourth Tower Underway

The last concrete was poured Saturday on Pier E-2, east of Yerba Buena Island, completing the East Bay substructure contract of the San Francisco-Oakland Bay Bridge, costing $4,495,854 and requiring the placement of nearly 300,000 cubic yards of concrete in twenty-two concrete underwater structures.

This contract, undertaken by a pool representing the Missouri Valley Bridge and Iron Company, Kansas City, the Raymond Concrete Pile Company, New York City, the Dravo Contracting Company, Pittsburgh, the Bechtel-Kaiser-Warren Company, San Francisco, and the Utah Construction Company, San Francisco, of which Henry J. Kaiser, Oakland, is president, has the distinction of having completed the deepest pier known to man. Pier E-3, 1400 feet east of Yerba Buena Island, goes to a maximum depth of 242 feet below water—deeper by two feet than Pier W-3 on the west side of the island, and 65 feet deeper than the pier in Louisiana which held the record prior to the construction of the San Francisco-Oakland Bay Bridge.

The twenty-two piers of this contract involved three piers deeper than 170 feet and 19 piers consisting of concrete blocks, 50 feet deep, resting on 85-foot timber piles.

The East Bay substructure contract involved more than one million board feet of lumber, in addition to tons of reinforcing steel rods and a million dollars worth of equipment.

San Francisco

Pier B, east of Main street, was completed during the past week by Healy-Tibbitts Construction Company, and Pier A, just west of Main street, is ready for concrete pouring. Pier W-1 is now being topped with a steel device for supporting the cables on their descent to the anchorage which is ready for the stringing of the cable wires.

West Bay Substructure

The concrete center anchorage midway between San Francisco and the island, was raised to 157½ feet above water by the placement of 800 cubic yards of concrete during the past week by Transbay Construction Company.

Yerba Buena Island

Concrete work in the Yerba Buena Island vehicular tunnel is under way by the Clinton Construction Company, as is viaduct construction on the east side of the Island.

Encasing in concrete of the steel eyebars to which the cables will be attached is nearing completion in the two anchorage tunnels on the west side of the island.

OPEN BIDS ON FACTORY FOR GEO. CASWELL

Cahill Bros. Low Bidder on General Contract at $87,473

Bids were opened yesterday by Architects Masten and Hurd for construction of a factory for Geo. Caswell, to be located on the northeast corner of Harrison and Hawthorne streets in San Francisco.

The building is to have four stories and will be of reinforced concrete construction. It will house both factory and offices.

Low bid on the general contract was submitted by Cahill Brothers, 206 Sansome street, at $87,473. Wm. Spivock was second low bidder on his portion of the work at $88,844.

On the lathing and plastering contract low bid was submitted by A. Knowles, 982 Bryant street, at $5,315.

Alta Roofing Company, 976 Indiana street, submitted the low proposal for roofing and flashing. The amount of their bid was $1,374

For steel sash identical bids of $2,280 were submitted by Detroit Steel Products, Truscon Steel, and Soule Steel Company.

On the contract for sheet metal work Fire Protection Products Co., 369 Pine street, was the lowest bidder, with a proposal of $1,780.

Star Ornamental Iron Works, 1271 Folsom street, submitted the low proposal, at $2,418.

Raphael Company of 270 Tehama street was low bidder for painting, the amount of their figure being $4,671.

For elevators Otis Elevator Co., 1 Beach street, submitted low bid, at $7,025. Westinghouse Elevator Company's figure, the only other received on this contract, was $133 higher, at $7,158.

W. P. Fuller & Co., at $1,119, submitted low bid for glass.

Haslett Spiral Shute Co., 280 Battery street, was low on the contract for spiral shutes, at $1,300.

Vincent Whitney, 130 Tenth St., at $98 was low bidder for dumb waiters.

Low figure for the sprinkler system was submitted by Automatic Fire Protection Company, 519 California street, at $7,425.

Low bid on plumbing was submitted by J. H. Pinkerton, 927 Howard street, at $4,298. Pinkerton also submitted the low figure for heating, at $4,397.

ROBINSON NAMED CHICO ENGINEER

Frank S. Robinson has been appointed city engineer of Chico by City Manager Harry Hume. Mr. Robinson succeeds Martin Polk, who resigned to take over his duties as Butte county assessor.

COMMISSION ASKS BIDS ON TWO CONT'CTS

Monterey Bridge and Los Angeles Paving Contract Advertised

SACRAMENTO, Dec. 4. — Bids were advertised today by the State Highway Commission on two construction contracts, one for opening in Sacramento, December 26, the other in Los Angeles, Dec. 27.

The Northern California job is construction of a steel bridge on the San Simeon - Carmel highway about 46 miles south of Monterey across Burns Creek. It will consist of one 142-ft. deck truss span, two 60-ft. plate girder spans, two 50-ft. plate girder spans and two 30-ft. tower spans. It will require 585,000 pounds of structural steel.

The Los Angeles contract is for grading and paving 1.5 miles with asphalt concrete in the city of Monterey Park between Atlantic Blvd. and New Avenue. Asphalt concrete required is estimated at 5,800 tons.

HOLC REPORTS MANY SEEKING REPAIR LOANS

Reconditioning Division Receives 17,189 Applications in State

Progress in making reconditioning and repair loans in California by the Home Owners' Loan Corporation, through its Reconditioning Division, is reported by W. O. Miles, State Manager.

Throughout the entire state, 17,189 reconditioning applications have been received; 526 building alterations completed, at a cost of $73,105, and there are 659 reconditioning jobs with a total expenditure of $103,170 on which work is being done.

There is still money available for repair loans, after approval, to those home owners who have secured loans on their property from the Corporation.

Eligible for these loans are those who already have secured loans from the Corporation, or who are about to have their loans taken over by it. Some provision, also, is made for those who cannot get reconditioning loans from any other lending agency. Payments may be spread over fifteen years.

There are many homes which will be bettered by remodeling or modernizing and would-be borrowers will have the benefit of disinterested technical advice without charge by the Corporation, according to Mr. Miles.

OPEN PROPOSALS ON UNIVERSITY MOUND PROJECT

Lynch and Sibley Low Bidders On Two Schedules of Waterworks Job

A combination of low bids of two contractors on separate sections of the University Mound pipe line, between Brannan street and Broadway, totaling $222,859, was lower than any bid received by the Public Utilities Commission yesterday for the complete job from any individual bidder,

M. J. Lynch, Oakdale and Barnevald avenues, at $89,365 was low bidder on Section "A' and Sibley Grading and Teaming Co., 165 Landers street, at $133,494 was low bidder on Section "B".

The lowest bid for the combined award was that of Sibley Grading and Teaming Co., at $236,820.

The contract is for installation of approximately 6,800 feet of 36- and 6,900 ft. of 30-in. pipe. Part of the pipe is to be removed from the Newark-San Lorenzo pipe line and to be reconditioned.

The work is part of the Water Department program financed in part by PWA funds.

Shipments of malleable castings during the first ten months of 1934 totaled 305,919 net tons, as compared with 214,387 net tons during the corresponding period last year, according to statistics compiled by the Bureau of the Census.

In San Francisco

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HOTEL PLAZA

POST STREET AT STOCKTON

SAN FRANCISCO

CENTRAL BID FILING PLAN IS NRA MODEL

Expect Adoption of Local Depository System Throughout Nation

The central bid depository system originated in San Francisco to coordinate functions of sub-contractor groups, whose codes provide for filing duplicate bids, is to be publicized throughout the United States by the National Recovery Administration. It is hoped by NRA officials that other cities will adopt the local plan to simplify administration of the construction code.

Compliance officials of the NRA in California inspected the central depository this week and obtained data on which publicity of the plan will be developed.

Donald Renshaw, acting regional director of NRA, said:

"Formation of the central bid depository by the code co-ordinating committee and sub-committee of the construction code in San Francisco is a progressive forward-looking step that sets an example to the entire country. The men who originated the idea and put it into practical operation deserve every praise and NRA officials in Washington are watching it with the keenest interest.

"As soon as practicable I am making a report on the depository system and its operation, to Major George L. Berry, head of the construction code administration in Washington and I am sure that this, the first system of its kind in the nation will be adopted by other cities.

"Establishment of the depository is practical proof that American business men are capable of self-government and that the NRA position in this respect is a wise and tenable one."

The depository was opened November 3. It is located at 55 New Montgomey street. Since that time five coded industries have designated it their depository. These are the plasterers, electricians, masons, painters and heating, piping and air-conditioning contractors. Two others, the cement-gun contractors and roofers will utilize the depository as soon as it has been approved by national authorities, according to Rex Daddisman, general custodian.

The plan for a central depository was originated in the code-coordinating committee of the Construction Divisions Conference of San Francisco, the latter composed of code authority members and trade association executives. Mano Zan code-coordinator for the state registrar of contractors, is chairman of the conference.

GRIFFITH LOW ON AQUEDUCT

LOS ANGELES, Dec. 4.—Griffith Company, Los Angeles, apparently was the low bidder today for construction of 12.8 mi. of conduit and siphon in the Colorado River aqueduct. The Griffith Company bid was $1,977,098 with a deduction of 12 percent if awarded all schedules, making a net figure of $1,749,847. The second low bid was that of Hunkin Conkey Co., at $1,802,834. The work is located in Riverside County between San Jacinto and Riverside.

S. F. BUILDING TOTAL $347,761 FOR NOVEMBER

Alterations and Residential Work Continue At October Level

San Francisco building permits for November totalled $347,761, according to the monthly report of Director of Public Works Wm. H. Worden. There were 421 permits issued.

In comparison with November a year ago there is a slight gain in alteration work and in residential building. The value of all building for November, 1933, however, was $3,561,629, permits being issued in that month for more than $3,000,000 in public work, including the Federal Office Building at the Civic Center.

In October of this year 454 permits were issued for work valued at $1,863,525. This total, however, also included large public building contracts, aggregating $1,500,000. In comparison with last month the value of alteration permits and residential building permits are approximately the same, although there were only 385 permits for alterations issued in November, while 411 were issued in October. There were 30 permits for frame buildings issued in November and 33 in October. The value of alteration work in October was $176,400 and in November $175,251. The value of frame buildings in October, $116,424 and in November, $115,735.

Following is a comparison of permits for various classifications for November and the corresponding month a year ago:

Class.	Nov., 1934 No. P'mts	Nov., 1934 Est. Cost	Nov., 1933 No. Pmts'	Nov., 1933 Est. Cost
A	3	$ 8,000	4	$ 201 500
B	1	1,350	2	36,500
C	....	.....	5	32,960
Frame	30	115,735	29	102 005
Alter.	385	175 251	338	126,005
Public	....	.....	2	540,726
Harbor	....	.....	..	.....
U. S. Govt.	2	47,425	3	2,521,993
Total	421	$347,761	383	$3,561,629

$150,000 OAKLAND STORE AND OFFICE BUILDING PLANNED

Two-story Building to be Erected at Broadway and Thirteenth Street

A new building to cost in excess of $150,000 will be built immediately for the Chas. Jurgens Company at Broadway and Thirteenth Street in Oakland, according to an announcement made yesterday by Lionel Wachs Co., rental agents.

The building, which is being designed by Architect H. A. Minton, will be of two-story steel and concrete construction and will contain 45,000 square feet of floor space.

Stores with specially constructed fronts will occupy the ground floor, the remainder of the building being taken up by commercial offices and merchandising basements.

F. A. Muller of Oakland will act as manager of construction for the Jurgens Company. Negotiations for erection and leasing of the building are being handled by Lionel Wachs Company.

The Southern Pacific Company, tenants on the property for the past ten years, will move to temporary quarters during construction of the new building. Other tenants, including stores and a hotel, will vacate in the near future, and demolition of the old structures will start immediately thereafter.

Construction of the building will complete a solid block of modern business structures from Twelfth to Thirteenth Streets on the east side of Broadway. It is planned to have the new building ready for occupancy by August 1, 1935.

October Total Steel Shipments At Year's Peak

Shipments of fabricated structural steel for October were the largest for any month this year, according to reports received by the American Institute of Steel Construction. They were 62 per cent larger than the monthly average during the first half of the year and 38 per cent larger than for the same month last year.

On the other hand, there was recorded a seasonal decline in the bookings which seemed rather marked in contrast with the bulge in new business experienced by the industry during the spring months. The bookings during October were 28 per cent below the average for the previous nine months but approximately equal to the bookings during the same month in 1933. The October bookings were 5 per cent larger than those of September. The tonnage ahead is about 11 per cent below the backlog this time last year.

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
613	Marquard	Mullen	3000
614	Fireman	Owner	1000
615	Nelson	Owner	4000
616	SERA	Owner	25000
617	Verdi	Vannucci	6000
618	Nelson	Owner	4000
619	Land	Owner	4000
620	Bootzin	McShheehy	1400
621	Dunn	Montecreff	1000
622	Gilmartin	Thulin	5000
623	Christensen	Owner	3000
624	Standard	Owner	3000
625	Standard	Owner	3000
626	Standard	Owner	3000
627	Christensen	Owner	3000
628	Isaac	Hunt	1000
629	Washington	Owner	3000
630	Kettenbach	Owner	5000
628	Baker	La Plant	1500
629	Gromecko	Owner	1500
630	Canellas	Ross	1500
631	Keller	La Plant	1000
632	Brunton	Shattuck	3500
633	Roberts	Owner	1500
634	Scovel	Williams	19250

ALTERATIONS
(613) SW GEARY AND MASON Alter cafe.
Owner—Marquard Catering Co., SW Geary and Mason Sts., S. F.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco. $3000

ALTERATIONS
(614) NO. 943-949 FILLMORE ST. Alter flats.
Owner—Not Given.
Lessee—M. Fireman, 780 Hayes St., San Francisco.
Architect—Not Given. $1000

DWELLING
(615) W MELBA ST. 254 S Ocean Ave. One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, 2901 19th Ave., San Francisco.
Architect—Not Given. $4000

OFFICE
(616) E VALENCIA ST. 150 S 22nd St. One-story frame office headquarters.
Owner—SERA, 450 Mission St., San Francisco.
Architect—Not Given. $25,000

CLUB BLDG.
(617) N MARIPOSA ST. 50 E Hampshire. One-story Class C club building.
Owner—Verdi Club, Premises.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Ave., San Francisco. $600

DWELLING
(618) W MELBA ST. 215 S Ocean Ave. One-story and basement frame dwelling.
Owner — Fernando Nelson & Sons, 2901 19th Ave., San Francisco.
Architect—Not Given. $4000

DWELLING
(619) W TWENTY-SEVENTH AVE 130 S El Camino Del Mar. One-story and basement frame dwlg.
Owner—Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given. $4000

REPAIRS
(620) 495 14th AVE.; repair fire damage to apartments.
Owner—Max Bootzin, 587 9th Ave.
Architect—Not Given
Contractor—James B. McSheehy, 137 Clifford Terrace. $1400

ALTERATIONS
(621) 1407 COLE ST.; alter flats.
Owner—Agnes M. Dunn, 1407 Cole St.
Architect—Edward Simon.
Contractor—Montecreff Bros. 1407 Cole Street. $1000

REPAIRS
(622) 83-87 STEVENSON ST.; repair fire damage to industrial building.
Owner—Gilmartin Co., care A. L. Thulin, 63 Brady St.
Architect—Not Given.
Contractor—A. L. Thulin, 63 Brady St. $5000

(623) W 18th AVE. 50 S Vicente; 1-story and basement frame dwelling.
Owner—Herman Christensen, 1422 27th Avenue.
Architect—C. O. Clausen, 746 46th Avenue. $3000

DWELLING
(624) S JUDAH 90 E 39th Ave.; one-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castenada.
Architect—Not Given. $3000

DWELLING
(625) S JUDAH 30 E 39th Ave.; one-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castenada.
Architect—Not Given. $3000

DWELLING
(625) S JUDAH 60 E 39th Ave.; one-story and basement frame dwelling.
Owner—Standard Bldg. Co., 218 Castenada.
Architect—Not Given. $3000

DWELLING
(627) W 18th AVE. 75 S Vicente; 1-story and basement frame dwelling.
Owner—Herman Christensen, 1422 27th Avenue.
Architect—C. O. Clausen, 746 46th Avenue. $3000

ALTERATIONS
(628) NO. 200 PAUL AVE. Alterations to manufacturing plant.
Owner—Melvin A. Isaacs & Co., 486 California St., San Francisco.
Engineer—Parker M. Robinson, 141 Second St., San Francisco.
Supervision of Construction — Hunt Mirk & Co., 141 Second St., San Francisco. $1000

ALTERATIONS
(629) NW WASHINGTON AND Drumm Sts. Alter wholesale building.
Owner—Washington Realty Co., 485 California St., San Francisco.
Architect—Not Given. $3000

ALTERATIONS
(630) NO. 2618 WEBSTER STREET. Alter apartments.
Owner—Lola Kettenbach, Premises.
Architect — Wayne S. Hertzka, 982 Bryant St., San Francisco. $5000

ALTERATIONS
(628) NO. 275 PARIS ST. Alter dwelling.
Owner—E. A. Baker, Premises.
Architect—Not Given.
Contractor—C. E. La Plant, 86 Fairfax St. $1500

ALTERATIONS
(629) NO. 1035 DE HARO ST. Alter flats.
Owner—John Gromecko, 2053 Sutter St., San Francisco.
Architect—Not Given. $1500

ALTERATIONS
(630) NW EIGHTH AVE. AND Fulton St. Alter restaurant.
Owner—C. Canellas, 1440 15th Ave., San Francisco.
Architect—Not Given.
Contractor—J. W. Ross, 666 Mission St., San Francisco. $1500

ALTERATIONS
(631) NO. 2115 BROADWAY. Alter dwelling.
Owner—E. H. Keller, Premises.
Architect—Not Given.
Contractor—C. E. La Plant, 86 Fairfax St., San Francisco. $1000

RADIO TOWER
(632) NO. 1380 BUSH ST. Steel radio tower.
Owner—Julius Brunton & Son, Prem.
Plans by Pacific Coast Steel Corp., 20th and Illinois Sts., S. F.
Contractor—H. G. Shattuck, 2428 San Bruno Ave., S. F. $3500

ALTERATIONS
(633) NO. 2899 VALLEJO STREET Alter dwelling.
Owner—Percy Roberts, 2849 California St., San Francisco.
Architect—Not Given. $1500

DWELLING
(634) S VALLEJO 150 W BAKER St. Two-story and basement frame dwelling.
Owner—Dr. R. E. Scovel, % Architect
Architect—G. W. Travis, 257 Kearny St., San Francisco.
Contractor—G. W. Williams, 315 Primrose Place, Burlingame. $19,250

SAN FRANCISCO UNDER $1000

ALTER dwelling, $100; 14 Broad St.; owner, Tony Bruno, Premises.
BILLBOARD, $18.75; E Third St. 25 S Meade St.; owner, Foster & Kleiser Co., 1675 Eddy St.
ALTER dwelling, $200; 1324 Willard St.; owner, Mrs. George A. Rankin, Premises.
ALTER restaurant, $200; 1255 48th Ave.; owner, Ernest Neidholt, 1255 48th Ave.
SIGN, electric, $300; 339 Taylor St.; owner, C. Jacobson, Prem.; contractor, Brumfield, 965 Folsom St.
SIGN, electric, $350; 265 Eddy St.; owner, Robert Ballard, Premises; contractor, Brumfield, 965 Folsom St.
ALTER store, $250; 2901 Irving St.; owner, G. S. Urionis, 1487 29th St.; contractor, Bayshore Concrete Co., 164 Talbot St.
ALTER dwelling, $400; 315 Tocoima St.; owner, G. E. Jacobson, Prem.
ALTER store, $350; 87 6th St.; owner, Epstein, 55 6th St.; contractor, S. F. Showcase Co., 682 McAllister St.
REPAIR fire damage to dwelling, $400; 1372 Pine St.; owner, Rudolph and Theresa Brukus, 57 Sutter St.; contractor, Young & Horstmeyer, 461 Market St.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
469	Blue Bird	Reese	5875
470	San Francisco	Owner	3000
471	Benzeman	McLean	1310
472	Chevrolet	Christensen	2000
473	Taye	Bertelsen	4869
474	Franck	Nordstrom	7317
475	Bay	Beckett	1950

REPAIRS
(468) NO. 934-936 EIGHTH STREET, **OAKLAND.** Fire repairs.
Owner—Lyde Hahn, 942 8th St., Oakland.
Architect—Not Given.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $1500

ADDITION
(469) 866 81st AVE., **OAKLAND;** one-story brick addition.
Owner — Blue Bird Potato Chip Co., 866 81st Ave., Oakland.
Architect—Not Given.
Contractor—T. O. Reese, 2557 63rd Ave., Oakland. $5875

ADDITION
(470) 6869 SUNKIST DRIVE, **OAKLAND;** addition to church.
Owner & Builder—San Francisco Bay Cities Baptist Union, 228 McAllister St., San Francisco.
Owner—Not Given. $3000

ALTERATIONS
(471) NO. 3250 GRAND AVENUE, **OAKLAND.** Alterations.
Owner — Wm. Benzeman, Financial Center Bldg., Oakland.
Architect—Not Given.
Contractor—C. Craig McLean, Financial Center Bldg., Oakland. $1310

ALTERATIONS
(472) NO. 6901 FOOTHILL BLVD., **OAKLAND.** Alterations and repairs.
Owner—Chevrolet Motor Co., Prem.
Architect—Alben Froberg, 1955 Webster St., Oakland.
Contractor — H. J. Christensen, 1955 Webster St., Oakland. $2000

ADDITIONS
(473) NO. 15 HILLCREST COURT, **BERKELEY.** Additions.
Owner—Mrs. H. P. Taye.
Architect—Not Given.
Contractor—S. J. Bertelsen, 30 Estrelda Ave., Piedmont $4869

STORES
(474) NO. 3309 LAKESHORE AVE., **OAKLAND.** One-story concrete stores.
Owner—Russell J. Franck, Premises.
Architect—Wm. E. Schirmer, Bank of America Bldg., Oakland.
Contractor — David Nordstrom, 4150 Emerald St., Oakland. $7317

REPAIRS
(475) N. 672 SECOND ST., **OAKLAND.** Fire repair and alterations.
Owner—Bay Cities Bottle Supply Co., Premises.
Architect—Ray F. Keefer, 770 Wesley Ave., Oakland.
Contractor—A. T. Beckett, 224 Scenic Ave., Piedmont. $1950

ALAMEDA COUNTY UNDER $1000

RE-ROOF, $125; 1609 14th St., Oakland; owner, M. L. Sonto, Prem.; contractor, Crown Roofing Co., 2609 E-14th St.
ROOF repairs, $52; 660 62nd Street, Oakland; owner, Mr. Muray, 660 62nd St.; contractor, Holland Heating & Roofing Co., 1226 E-14th St.
SIGN, metal, $25; 5263 Foothill Blvd Oakland; owner, Modern Food Stores, Premises; contractor, Rice Jr. Sign Co., 334 10th St.
ADDITION, $850; 5 Downey Place, Oakland; owner, Ed. Engs Jr., Premises; contractor, O. L. Burritt, 427 63rd St.
ROOF repairs, $16; SW Fifth and Madison Sts., Oakland; owner, Oliver Filter Co., Prem.; contractor, A. K. Goodmundson, 45th Ave. and Clement St.
FIRE repairs, $25; 2254 E-15th St., Oakland; owner, Mrs. C. A. Pope Premises; contractor, Willis F. Lynn, 1037 Ashmount Ave.
ALTERATIONS, $40; 1000 92nd Ave., Oakland; owner, S. Costello, 1000 92nd Avenue.
SIGN, metal, $25; 1564 36th Ave., Oakland; owner, American Cry. Co., 14th and Poplar Sts.
ALTERATIONS, $200; 1438 Arch St., Berkeley; owner, Mrs. C. E. Bondrow, 1432 Arch St.; contractor, Crown Roofing Co., 2609 E-14th St., Oakland.
ALTERATIONS, $185; 3009 Claremont Ave., Berkeley; owner, Mrs. F. B. Mahoney, Premises.
ALTERATIONS, $400; 1525 Milvia St. Berkeley, owner, M. McMullen, Premises; contractor, J. Messenger,1507 Lincoln St.
ALTERATIONS, $300; 765 Cedar St., Berkeley; owner, Mrs. Jean Foss Premises; contractor, C. M Tiegland, 4668 Dolores St.
FIRE repairs, $300; 487 21st Street, Oakland; owner, Mrs. G Van Sander, 487 21st St.
RE-ROOF, $100; SW 38th Ave. and Hopkins St., Oakland; owner, Mr. Holmes, Alameda; contractor, Yosemite Roofing Co., 3700 Green Acre Road.
REPAIRS, $450; 5814 Morse Drive, Oakland; owner, Fidelity Bldg. & Loan, Prem.; contractor, Whalin Bros., 2942 23rd Ave.
ALTERATIONS and addition, $350; 1336 97th Ave., Oakland; owner, Paul Lessard, 1336 97th Ave.
SIGN, roof $20; NE 8th Ave. and E. 12th St., Oakland; owner, Rio Grande Oil Co., 833 47th Ave.
SIGNS (2) roof, $20 each; 833 47th Ave., Oakland; owner, Rio Grande Oil Co., 844 47th Ave.
SIGN, electric, $75; 303 Broadway, Oakland; owner, Anchor Cafe, 303 Broadway contractor, Radiant Neon Display, 2561 San Pablo.
FIRE repairs, $125; 9207 37th Ave., Oakland; owner, H. C. Bradbury, Premises.
FIRE escape, $197; 2111 Webster St. Oakland; owner, California Pacific Title & Trust Co., 121 Sutter St., San Francisco; contractor, Pacific Iron Works, 1155 67th St.
ALTERATIONS, $400; 405 12th Street Oakland; owner, R. McCloud and R. Annuzio, 405 12th St.; contractor, Bay City Cabinet Co., 1076 5th St.
ALTERATIONS, $250; 1615 Broadway Oakland; owner, H. C. Morris Co. and A. H. Lent, Premises.
SHED, one-story, $100; 1203 83rd Ave Oakland; owner, L. L. Parrish, 1203 83rd Ave.
BILLBOARD, $50; N 22nd St. 100 E Valley St., Oakland; owner Foster & Kleiser, 22nd and Market Sts.
SIGN, roof, $20; 1059 Alcatraz Ave., Oakland; owner, Rio Grande Oil Co., 833 47th Ave.
SIGN, wood, $10; 9267 San Leandro St., Oakland; owner, Signal Oil & Gas Co., 2301 Blanding Ave., Alameda.
SIGN, metal, $10; 2011 23rd Avenue, Oakland; owner, Golden State Co. Ltd., 5307 Telegraph Ave.
SHED, $300; 854 Ashby Ave., Berkeley; owner, L. H. Carpenter, 3509 Stanley Ave., Oakland.
RE-ROOF, $180; 683 28th St., Oakland; owner, Russell Elder, premises; contractor, J. E. Branagh, 116 Monticello Ave., Oakland.
GARAGE, 1-story, $50; 1632 88th Ave., Oakland; owner and builder, L. J. Mitten, premises.
REMODELING, $400; 1176 98th Ave., Oakland; owner, Barrell, premises contractor, Paramount Built In-Fixture Co., 1809 E 12th St., Oakland.

BUILDING CONTRACTS

ALAMEDA COUNTY

59	Frease	Moore	11050
60	Franck	Nordstrom	7317

ALTERATIONS
(59) ALBANY. All work for alterations and additions to one-story motion picture theatre.
Owner—Phil A. Frease, 25 Taylor St., San Francisco.
Architect—Wm. I. Garren, 233 Post St., San Francisco.
Contractor—Moore & Roberts, S. F.
Filed Nov. 28, '34. Dated Nov. 12, '34.
Rough work completed.....$3525.50
When completed 3525.00
Usual 35 days..... 4000.00
TOTAL COST $11,050.50
Bond, $110.50. Surety, Standard Accident Insurance Co. Limit, March 15, 1935: Forfeit $10 per day. Plans and specifications filed.

STORE BLDG.
(60) LOT 154 PTN. LOT 155, Piedmont by the Lake, Oakland; one-story reinforced concrete store.
Owner—Russell J. Franck, Alameda.
Architect—Wm. E. Schirmer, Bank of America Bldg., Oakland.
Contractor—David Nordstrom, 4150 Emerald St., Oakland.
Filed No. 30, '34. Dated, Nov. 28, '34.
Concrete forms erected.....$1371.95
Concrete poured, roof trusses in place 1371.95
Roof on and brown coat of plaster 1371.95
Completion 1371.90
Usual 35 days 1829.52
TOTAL COST, $7317.27
Bond, $7317.21. Sureties, Coast Surety Corp. Limit, 45 days. Plans and Specifications filed.

SAN FRANCISCO COUNTP

108	Sharp	Hanson	1003
109	Sharp	Hanson	993

ALTERATIONS
(108) 553-555 SAN BRUNO AVENUE; alter dwelling.
Owner—Margaret Sharp, 555 San Bruno Avenue.
Architect—Not Given.
Contractor—Hanson Bros., 5840 Mission Street.
Filed Dec. 1, '34. Signed, Oct. 19, '34.
When grading is done..... $300.00
Floors are installed 400.00
Usual 35 days 303.32
TOTAL COST, $1,003.32
Bond, $988.50. Sureties, Massachusetts Bonding & Insurance Company.

ALTERATIONS
(109) 547-549 SAN BRUNO AVENUE; alter dwellings.
Owner—Margaret Sharp, 555 San Bruno Avenue.
Architect—Not Given.
Contractor—Hanson Bros., 5840 Mission Street.
Filed Dec. 1, '34. Signed, Oct. 19, '34.
When grading is done..... $300.00
Floors are installed..... 300.00
Usual 35 days..... 303.85
TOTAL COS, $903.85
Bond, $903.85. Sureties, Massachusetts Bonding & Insurance Company.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
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3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Offices
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12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

Contract Awarded
REPAIR APTS. Cost, $1500
SAN FRANCISCO. 495 14th Avenue.
Alterations and repair fire damage to apartments.
Owner—Max Bootzin, 587 9th Avenue
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace.

Bids Rejected
APARTMENTS Cost, $——
OAKLAND, Alameda Co., Cal. Lake Merritt District.
Two - story frame and stucco apartments (four 4-room apts.); terra cotta tile roof, gas furnace, hardwodo floors, tile baths, etc.
Owner—Withheld.
Architect—Newsom & Newsom, Russ Building, San Francisco.

3— CHURCHES

To Be Done By Day's Work.
ADDITION Cost, $3000
OAKLAND, Alameda Co., Cal.
Addition to church building.
Owner—San Francisco Bay Cities Baptist Union, 228 McAllister St., San Francisco.
Architect—Not Given.

Iron Contract Awarded.
CHURCH Cost, $45,000
BERKELEY, Alameda Co., Cal. Vine and Walnut Streets.
One-story frame and stucco church (auditorium to seat 300; 10 classrooms, social hall with stage) tile and composition roof, hot air heating system, etc.
Owner—Church of Jesus Christ of the Latter Day Saints.
Architect—Theo. Ruegg, 1515 Tyler St. Berkeley.
Supt. of Const.—Fred Ebersole, 2929 Harper St., Berkeley.
Iron—Independent Iron Works, 821 Pine St., Oakland.

4— FACTORIES & WAREHOUSES

Sub-Contracts Awarded
ADDITION Cost, $25,000
SAN FRANCISCO. S Brannan Street between 2nd and 3rd Streets.
Three-story addition to one-story mill building (55x137 ft.) mill construction.
Owner—San Francisco Warehouse Co.
Engineers—Ellison & Russell, Pacific Building.
Contractor—Cahill Bros., 206 Sansome Street.
Concrete Cutting—Emsco Conc. Cutting Corp., 260 Clementina St.
House Raising—D. J. and T. Sullivan, 1942 Folsom Street.
Plumbing—James H. Pinkerton, 923 Howard Street.
Electric—Twin Peaks Electric Co., 606 Natoma Street.
Iron—Fair Mfg. Co., 617 Bryant St.
Reinforcing Steel—Soule Steel Co. 1750 Army Street.
Readymix Concrete—Golden Gate Atlas Materials Co., 16th and Harrison Streets.

Contract Awarded
REPAIR FACTORY Cost, $5000
SAN FRANCISCO. 83-87 Stevenson Streets
Repair fire damage to industrial bldg.
Owner—Gilmartin Company.
Architect—Not Given.
Contractor—A. L. Thulin, 63 Brady St.

Contract Awarded
ADDITION Cost, $6,000
OAKLAND, Alameda Co., Calif. 966 81st Street.
One-story steel and brick addition to factory (60x70 feet) steel trusses, steel sash, concrete floors, etc.
Owner—Blue Bird Potato Chip Co. 966 81st St., Oakland.
Plans by Engineering Dept. of Owner
Contractor—T. O. Reese. 2557 63rd Ave., Oakland.
As previously reported, the structural steel contract awarded to Judson Pacific Co., foot of Park Avenue, Oakland.

Contract Awarded.
ALTERATIONS Cost, $2500
OAKLAND, Alameda Co., Cal. No. 6901 Foothill Blvd.
Alterations and repairs to factory.
Owner—Chevrolet Motor Co., Prem.
Architect—Albert Freberg, 1955 Webster St., Oakland.
Contractor—H. J. Christensen, 1955 Webster St., Oakland.

Bid Opening Date Postponed Until December 14, 12 Noon.
SHOP Cost, $5000
SAN FRANCISCO. W Bayshore Blvd. S Courtland Avenue.
One-story and mezzanine floor concrete shop building (25x109 feet) composition and part tile roof, plate glass front, store front tile.
Owner—P. Spagnoli (Dreamland Bedding Co.), 534 Bayshore Blvd.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Plans and specifications may be obtained from owner.

Contract Awarded.
WAREHOUSE Cost. $——
CAMAS, Washington.
Three-story reinforced concrete and heavy mill dock warehouse (100x400 feet) piling capped with concrete, electric tramways, sprinkler systems, two marine type elevators.
Owner—Crown-Willamette Paper Co.
Plans by Eng. Dept. of Owner (H. N. Simpson in charge).
Contractor—Hoffman Constr. Co., 715 SW Columbia St., Portland, Ore.
Approximate quantities are follows:
35 000 feet piling;
1500 yards concrete;
100 tons steel and iron;
1,750,000 FBM lumber and timbers;
50,000 sq.. ft. roofing;
2000 sprinkler heads.

SPRINKLER CONTRACT AWARDED
LOS ANGELES, Cal.—Viking Automatic Sprinkler Co., 2712 E. 12th St., awarded the contract for installing a sprinkler system in 3 story addition to baking plant under construction at 8800 Venice Blvd. for Helms Bakeries. Grant & Bruner, 607 Ferguson Bldg., prepared the engineering and architectural plans for the building and are erecting it for the owner. Cost $50,000.

Contract Awarded
SHOP Cost, $4 000
SAN JOSE, Santa Clara Co., Calif. 735 N. 13th St.
One-story machine shop.
Owner—G. Campagia, 643 11th St., San Jose.
Architect—William Higgins, 17 N. Second St., San Jose.
Contractor—Joseph Santi, 545 Madera Ave., San Jose.

Construction To Start Shortly.
IMPROVE BLDG. Cost, $——
OAKLAND, Alameda Co., Calif. Outer Harbor.
Improvements to old Parr terminal building in Industrial area.
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner. Work will be done under SERA labor and materials will be purchased in the open market. Approximately $575 will be required for materials.

Contract Awarded.
SHOP, ETC. Cont. Price, $10,293
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
One-story galvanized iron machine shop (30x80 ft.) and graveling open storage areas.
Owner—City of Stockton (Port Dist.) T. C. Louttitt, Asst. Secretary, City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Complete bids follow:

O. H. Chain	$10,293
C. H. Dodd	10,370
John Hachman	10,413
W. J. Scott	11,125
Frank Guyon	11,452

Contract Awardeo.
WAREHOUSE Cost,$——
SAN FRANCISCO. First and Federal Streets.
Three-story reinforced concrete warehouse (80x250 feet) composition roofing, metal sash, wire glass, 2 freight elevators, spiral chute, rolling doors, plumbing and electrical fixtures, etc.
Owner—Farnsworth-Ruggles Co.
Engineer — Warren E. Murray, 908 Hayes St., San Francisco.
Contractor—Louis Johnson, 666 Mission St., San Francisco.

Bids Opened.
FACTORY & OFFICES Cost. $150,000
SAN FRANCISCO. NE Harrison and Hawthorne Streets.
Four-story reinf. concrete factory and office building (composition roof, reinforcing steel, plumbing, heating, etc.)
Owner—Geo. Caswell, 442 Second St.
Architect—Masten and Hurd, 233 Post Street.
Complete bids follow:

General Work

Cahill Bros., 206 Sansome St.	$ 87,473
William Spivock	88,844
Barrett & Hilp	93,677
K. E. Parker Co.	93,900
Dinwiddie Const. Co.	94,600
Monson Brothers	100,574

Lathing and Plastering

A. Knowles, 982 Bryant St. ... $5,315
MacGruer & Co. ... 6,117
M. J. King ... 6,350
Peter Bradley ... 6,716
Herman Bosch ... 6,942

Roofing and Flashing

Alta Roofing Co., 976 Indiana ... $1,374
Malott & Peterson ... 1,451
Bender Roofing Co. ... 1,456
General Roofing Co. ... 1,688

Steel Sash

Detroit Steel Products, Truscon Steel and Soule Steel Co., identical bids at $2,280.

Sheet Metal

Fire Protection Prod. Co., 369 Pine Street ... $1,780
Forderer Cornice Works ... 2,150
Guilfoy Cornice Works ... 2,383

Ornamental Iron

Star Ornamental Iron W'ks, 1271 Folsom Street ... $2,418
Luggi Iron Works ... 2,524
Anchor Post Fence Co. ... 2,870
F. Kern & Sons ... 2,893

Painting

Raphael Company ... $4,671
H. C. Devert ... 5,042
Reliable Painting Co. ... 6,080
Quandt & Sons ... 6,887

Glass

W. P. Fuller & Co., 301 Mission Street ... $1,119
Cobbledick-Kibbe Glass Co. ... 1,266
Habenicht & Howlett ... 1,275
Center Glass Co. ... 2,325

Elevators

Otis Elevator Co., 1 Beach St. ... $7,025
Westinghouse Elevator Co. ... 7,158

Dumb Waiters

Vincent Whitney, 130 10th St. ... $ 98.00
Bates Carpenter Co. ... 115.00
Otis Elevator Co. ... 165.00

Spiral Chutes

Haslett Spiral Chute Co., 230 Battery Street ... $1,300
Maillard Searles Co. ... 1,388
Otis Elevator Co. ... 1,622

Sprinkler System

Automatic Fire Protection Co., 519 California St. ... $7,425
Fire Protection Engr. Co. ... 7,700
J. H. Pinkerton ... 7,810
Grinnell Co. of the Pacific ... 7,958

Plumbing

J. H. Pinkerton, 927 Howard ... $4,298
Higgins & Kraus ... 4,357
F. W. Snook ... 4,465
Scott Company ... 4,951
Frank J. Klimm ... 5,283

Heating

Jas. H. Pinkerton, 927 Howard ... $4,397
Scott Company ... 4,690
Higgins & Kraus ... 4,842
Frank J. Klimm ... 4,855

Bids held under advisement.

Work To Start Shortly.

ADDITION Cost, $——
OAKLAND, Alameda Co., Cal. Oakland Airport.
Lean-to for Hangar No. 3 (Navy Hangar).
Owner—City of Oakland Port Commission.
Plans by Engineering Dept. of Owner.
Work will be done by SERA labor and materials will be purchased in the open market immediately.

Contract Awarded

GEAR SHED Cont. Price, $7,450
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
Two galvanized iron gear sheds (30x76 feet).
Owner—City of Stockton (Port Dist.) Thomas C. Louttitt, Asst. Secty., City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Complete bids follow:

O. H. Chain ... $7,450
C. H. Dodd ... 7 737
W. J. Scott ... 8 196
Frank Guyon ... 8,289
Ecker Brothers ... 8,390
Robert McKee ... 8,485

5— FLATS

Contract Awarded.

SERVICE STATION Cost, $6000
SAN FRANCISCO. NW Pacific Ave. and Montgomery St.
One-story Class C service station.
Owner—Not Given.
Lessee—G. C. Hellesoe, Premises.
Architect—Not Given.
Contractor—John Huggard, 915 Rialto Bldg., San Francisco.

Contract Awarded

ALTERATIONS Cost, $1000
SAN FRANCISCO. 1407 Cole Street.
Alterations to flats.
Owner—Agnes M. Dunn, 1407 Cole St.
Plans by Edward Simon, % owner.
Contractor—Montecreff Bros. 1407 Cole Street.

To Be Done By Day's Work.

ALTERATIONS Cost, $2000
SAN FRANCISCO. 1035 De Haro St.
Alterations to flats.
Owner—John Gromecko, 2053 Sutter.
Architect—Not Given.

6—GARAGES & SERVICE STATIONS

Bids Opened.

GARAGES Cost, $——
SAN FRANCISCO. Fort Miley.
One 11 unit garage (112.7" long) with alternate for additional three units (total length of 143.1-ln.) including road work and pavement. (reinforced concrete construction. up-swing doors, tar and gravel roof, 4-in. tile partitions).
Owner—United States Government.
Plans by Veterans Administration Facility, Palo Alto.
Low Bidder—W. E. Akard, 225 Cervantes Blvd., San Francisco.
Complete bids follow:

(1) 11-stall garage, including excavation, grading, etc., complete;
(2) Add three stalls to garage (making 14-stall unit).

W. C. Akard ... (1) $3624
... (2) 1020
M. E. Vukicevich ... (1) 3685
... (2) 1309
Young & Horstmeyer ... (1) 3694
... (2) 1162
Nielsen & Lahti, Berkeley ... (1) 3776
... (2) 1359
Chas. J. U. Koenig ... (1) 3847
... (2) 1,105
A. Nelson ... (1) 3849
... (2) 1166
Thomas M. Jones ... (1) 3948
... (2) 1153
Monson Bros ... (1) 3958
... (2) 1197
William Spivock ... (1) 4180
... (2) 1283
Frank P. Reilly ... (1) 4181
... (2) 1181
Leo Epp ... (1) 4833
... (2) 1362
N. H. Sjoberg ... (1) 4368
... (2) 1248
Alfred H. Vogt ... (1) 4940
... (2) 1300

Bids held under advisement.

Contract Awarded

GARAGE Cost, $5,000
OAKLAND, Alameda Co., Cal., 29th Street.
Concrete and brick garage (23x32) tar and gravel roof, concrete floors, steel sash, etc.
Owner—Robert McNear.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 3443 Adeline St., Oakland.

Sub-Contracts Awarded

SERVICE STATION Cost, $3000
OAKLAND, Alameda Co., Calif. 4400 Piedmont Avenue.
One - story brick service station and general alterations to present bldg.
Owner—Standard Oil Co., 1201 Financial Center Bldg., Oakland.
Plans by Engineering Dept. of Owner.
Contractor—Geo. Anderson, 211 Hanover St., Oakland.
Plastering—Sam Muriale, 3831 La Cresta, Oakland
Electric—Pacific Electric Motor Co., Tenth and Oak Sts., Oakland.
Roofing—Brown Roofing Co., Oakland.
Structural Steel — Independent Iron Works, 821 Pine St., Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.

7— FEDERAL BUILDINGS

BIDS WANTED

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, as follows:

November 30, 2 P. M., Bid 1508: Fob East Bay shipping point of bidder and/or Los Angeles: (1) 962 ft. CMP culvert; (2) 26 band couplings.

December 3, 2 P. M., Bid 1503: Fob bidder's shipping point and/or Piedra. (1) 36 Universal hose couplings with hoae enda, ¾-In.; (2) 4 Universal hose couplings with hose ends, ¾-in., 3-way; (3) 8 do with male thread, ¾-in.; (4) 8 do, with female thread, ¾-in.; (5) 12 Universal dead end couplings; (6) 25 Universal hose coupling gaskets; (7) 36 Universal hose clamps.

Specifications obtainable from above office.

BIDS OPENED

MARE ISLAND, Cal.—San Francisco Elevator Co., 860 Folsom Street, San Francisco, at $1,336 submitted the low bid to Mare Island Navy Yard, for remodeling an existing elevator at the U. S. Navy Yard, Mare Island. Spec. No. 7846.

Complete bids follow:

San Francisco Elevator Co. ... $1,336
Westinghouse Electric Elevator Co., San Francisco ... 1,467
Otis Elevator Co., S. F. ... 1,475

Recommendation has been made to Washington that contract be awarded to low bidder.

BIDS WANTED

ALMIRA, Washington—Until Dec. 21, 10 A. M., bids will be received by the U. S. Bureau of Reclamation, Almira, Washington, for the construction of an administration building at Grand Coulee dam, Columbia Basin Project, Wash. The charge for plans and specifications is $2.50, not returnable. It will be a one-story building, approximately 48x144 feet in size, with a full basement and an attic storeroom. The outside walls will be of wood frame construction covered on the outside with wood sheathing, building paper, and drop siding or smooth siding, and on the inside with metal lath and plaster. The interior partitions will be of wood frame construction covered with metal lath and plaster. The roof will be covered with wood shingles over wood sheathing. Basment floors will be concrete and all wood finish floors will be oak. The schedule provides for a lump sum bid for the construction of the building except excavation and concrete and for unit prices per cubic yard for excavation and concrete. The installation of plumbing, heating and electrical facilities will be included in the lump sum price bid for the construction of the building.

Bids Opened.
ADMIN. BLDG. Cost, $50,000
BONNEVILLE, Oregon.
One-story brick veneer and frame administration bldg. and auditorium (49x70 ft.) will include boiler room and steam heating plant, stage.
Owner—United States Government.
Architect — Hollis Johnson, Pittock Bldg., Portland.
Low Bidder—A. S. Hansen Co., 2200 25th Ave., So., Seattle, Wash.
Complete bids follow:
A. S. Hansen Co., Seattle.....$57,500
Drake Wyman & Voss, Inc. Portland 57,750
Hoffman Constr. Co., Portland 58,990
Malarkey & Kallander, Portland 61,750
Robertson, Hay & Wallace, Portland 66,879
Geo Waale Co., Portland 67,538
G. H. Buckler Co., Portland..... 74,500
Engineer's Estimate 60,328
Bids held under advisement.

Bids Wanted—To Close Jan. 7, 1 P. M.
POST OFFICE Cost, $63800
TURLOCK, Stanislaus Co., Calif.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.

BIDS OPENED
LOS ANGELES, Cal.—Following bids received by Post Office Department, Washington, D. C., under Proposal No. 1008 for furniture and screen line equipment for the Los Angeles Finance Station.
Keyless Lock Co., Indianapolis, Ind., $1061.14, 5%.
American Hardware Corp., New Britain, $1125, 2%.
Geo. Fensky Co., San Francisco, $785, 1%.
Morgan Lumber & Mfg. Co., Charleston, West Virginia, $1100, 2%.
Federal Equipment Co., Carlisle, Pa., $1104, ½%.

BIDS WANTED
CARSON CITY, Nevada—Bids are being received by the Custodian, Carson City Post Office, for repairs and painting at the U. S. Post Office, Carson City, Nevada.

Plans Being Figured—Bids Close Dec. 28, 1 P. M.
POST OFFICE Cost, $48,500
EL MONTE, Los Angeles Co., Calif.
One-story post office building.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained for $15.00.

Plans Being Figured—Bids Close Jan. 2.
POST OFFICE Cost, $65,000
SEBASTOPOL, Sonoma Co., Calif.
One-story post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above address upon deposit of $15.00.

Low Bidder
POST OFFICE Cost, 56,303
MONTESANO, Washington.
U. S. Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — Standard Construction Co., Perkins Bldg., Tacoma, Wash.
Item 1: $49,214.
Item 2: $39,130.
Complte bids will be published shortly

SITE SELECTED
LOS ANGELES, Cal.—Treasury Department this week announced the tentative selection of property on the southeast corner of Alameda and Macy Streets as the site for the new postal distributing bldg. to be erected in Los Angeles. Final decision on the site, which is part of the property on which the new union railway station will be built, is expected soon. The postal building will be a four-story, Class A structure, for which the sum of $2,900,000 was recently allocated to finance the purchase of the site and the erection and equipping of the building. Plans will be drawn in the supervising architect's office in Washington.

Bids Wanted—To Close Jan. 9, 1 P. M.
POST OFFICE Cost, $63 800
SOUTH PASADENA, Los Angeles Co., Calif.
U. S. Post Office Building.
Owner—United States Government.
Architect—Not Given.

BIDS WANTED
PEARL HARBOR, T. H. — Until January 9, 11 A. M., bids will be received by District Public Works Office, Navy Yard, Pearl Harbor, T. H., for improvements to two hydro-pneumatic plunger type and two electric drum type freight elevators. Improvements consist of converting the operating mechanism of two freight elevators from hydro-pneumatic to hydro-electric, the enlargement of one car platform with new enclosure for same, the enlargement of one hoistway enclosure, the heightening of side enclosures with access ladders to same, hoistway gates, shear guards, electric work, concrete work, and painting at the Navy Yard, Pearl Harbor, T. H. Specification No. 7784.
Plans and specifications may be obtained from above office or from the Commandant, Twelfth Naval District, 100 Harrison St., San Francisco, upon deposit of $10.

Low Bidders.
POST OFFICE Cost, $52,800
HUNTINGTON BEACH, Orange Co.
United States Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — L. F. Dow, 414 Rowan Bldg., Los Angeles.
Three low bids follow:
L. F. Dow, Los Angeles.....$33,460
Wesco Constr. Co., L. A..... 33,700
Robert E. McKee, L. A..... 34,300
Complete bids will be published shortly.

Low Bidders.
POST OFFICE Cost, $——
SANTA PAULA, Ventura Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — W. L. Snook, 210 La Arcade Bldg., Santa Barbara.
Three low bids follow:
W. L. Snook, Santa Barbara..$35,800
Wesco Constr. Co., L. A..... 35,900
Robert E. McKee, Los Angeles 35,950
Complete bids will be published shortly.

8— CLUB BUILDINGS

Contract Awarded.
CLUB BUILDING Cost, $6000
SAN FRANCISCO, N Mariposa St. 50 E Hampshire St.
One-story Class C club building.
Owner—Verdi Club, Premises.
Architect—Not Given.
Contractor—Vannucci Bros., 1875 San Bruno Ave., San Francisco.

FIRE LOSS
MARTINEZ, Contra Costa Co., Cal. —Fire destroyed the Peralta Clubhouse of the Peralta Golf Club on the San Pablo tank farm, Martinez, Dec. 1. Damage estimated at $50,000.

Plans Being Completed.
ALTERATIONS Cost, $25,000
SAN FRANCISCO, 111 O'Farrell St.
Alterations and additions to present building for club.
Owner—Kohler & Chase, 26 O'Farrell Street (George O. Chase).
Architect—Fred. H. Meyer, 525 Market Street.
Lessee—Town Club of San Francisco, (W. O. Brown in charge), 111 O'Farrell Street.
Segregated bids will be taken by the architect about Dec. 15.

9— HOSPITALS

PLANNED
EL CENTRO, Imperial Co., Cal.—Imperial County planning commission has under consideration a proposal to erect a new Imperial county hospital on county-owned property just north of El Centro. The commission is also considering a plan to construct an addition to the county jail. Both projects will be partially financed with SERA funds.

Contract Awarded.
WARDS Cont. Proce, $1665
FAIRFIELD, Solano Co., Cal. County Hospital.
Two one-story psychopathic wards for county hospital.
Owner—County of Solano.
Plans by County Engineer, Fairfield.
Contractor — W. S. Bickford, Delaware and Jackson Sts., Fairfield.
Only other bid was submitted by George Barenchi, Vallejo, at $2237.

PLANNED
RIVERSIDE, Cal.—Riverside county supervisors have filed an application for SERA labor to be used on the construction of the proposed new county hospital building in Riverside. Plans call for a 3-story, steel frame structure to provide 101 beds and to cost approximately $80,000. G. Stanley Wilson, Mission Inn, Riverside, architect.

Bids Opened.
BOILER PLANT, ETC. Cost, $——
CAMARILLO, Ventura Co., Cal. State Hospital Site.
One-story reinforced concrete kitchen one-story reinforced concrete dining room building and one-story reinforced concrete boiler plant (clay tile roofs).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Complete bids follow:

General Work
Louis A. Geisler, 6212 Middleton St., Huntington Park, $162,593.

Mechanical Work
F. C. Schilling, 3215 Beverly Blvd., Los Angeles.....$26,852
Carpenter & Mendenhall, Sacto 27,693
Howe Bros., Los Angeles..... 30,350
Scott Co., San Francisco..... 30,437
Lobman Bros., Los Angeles..... 30,600
F. W. Snook, San Francisco.... 30,645
Eddy Elec. Co., Stockton 34,736

Electrical Work
Eddy Elec. Co., 309 E. Weber St., Stockton $6403
Newbery Elec. Co., Los Angeles.. 6768
H. H. Walker, Los Angeles..... 7252
Moore Elec. Co., Alhambra..... 7286
Coast Elec. Co., Long Beach..... 7348
Seaside Elec. Co., Ventura..... 7390
H. O. Bauerle, Los Angeles..... 7413

Refrigeration
York Ice Machinery Co., 5051 Santa Fe Ave., Los Angeles, $13,325.
Bids held under advisement.

Bids Wanted—To Close Jan. 2, 2 P. M.
ALTERATIONS, ETC. Cost, $40,000
PACIFIC COLONY, Los Angeles Co.
Alterations and additions to kitchen and commissary at Pacific Colony (addition of wing for commissary storehouse, etc.)
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Plans and specifications may be obtained from above office upon deposit of $25.
Bids are being taken as follows:
(1) General Work.
(2) Plumbing and heating Work.
(3) Electrical Work.

10— HOTELS

Contract Awarded
ALTERATIONS Cont. Price, $3875
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel lobby of the Santa Rosa Hotel (painting, decorating, electric sign, etc.)
Owner—Santa Rosa Hotel.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Contractor Koch & Pettersen, 130½ Steiner Court, Santa Rosa.

Bid Opening Date Postponed Until Dec. 7, 2 P. M.
REMODEL HOTEL Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel hotel building (painting, decorating, furnishings, etc.)
Owner—Santa Rosa Hotel (Max and Fred Rosenberg), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Lessee—Will A. Conway.

Plans Being Figured—Bids Close Dec. 11th, 3 P. M.
ALTER HOTEL Cost, $——
SAN FRANCISCO. Turk and Taylor Streets.
Alterations to hotel building.
Owner—Grand Hotel, Turk and Taylor Streets.
Architect—C. A. Meussdorfer, Humbolt Bank Bldg.
Bids are being taken on a segregated bid basis.

BIDS WANTED
PORTLAND, Oregon — Until Dec. 11, 3 P. M., bids will be received by the U. S. Engineer Office, 306 Customhouse, Portland, under Bid No. 35-327, for drydocking, cleaning and painting and making certain repairs and alterations to hull and machinery of the U. S. Dredge "CLATSOP".
Specifications obtainable from the above office.

Bid Opening Date Postponed Until Dec. 12, 2 P. M.
REMODEL HOTEL Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel hotel building (painting, decorating, furnishings, etc.)
Owner—Santa Rosa Hotel (Max and Fred Rosenberg), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Lessee—Will A. Conway.

11—ICE AND COLD STORAGE PLANTS

PREPARING PLANS
PHOENIX, Ariz.—Architects Lescher & Mahoney and Mechanical Engineer Roy M. Quackenhush, 1100 Title & Trust Bldg., Phoenix, preparing plans and specifications for an air conditioning system to be installed in the Goodrich Building, Central Ave. and Washington St., Phoenix. Approximately 100 tons of refrigeration will be required, together with fans, condenser, well and pump, ducts, etc. Cost, $25,000.

12— POWER PLANTS

BIDS WANTED
PULLMAN, Washington—Until December 28, 1:30 P. M., bids will be received by the Board of Regents of the State College of Washington, E. O. Holland, Secretary, at the Davenport Hotel, Spokane, for furnishing and installing mechanical equipment for the power plant now under construction on the campus of the State College of Washington, Pullman. Bids will be taken as follows:
SPECIFICATION NO. 1 — "New Steam Generating Units." Boiler Units Nos. 1 and 2. Deposit for plans and specifications, $15. Work includes one complete 500 hp. boiler unit of the straight water tube type together with water-cooled furnace, underfeed stoker, and instrument panel. Boiler No. 2, economizers, chain grate stokers, are alternatives to Specification No. 1.
SPECIFICATIONS NO. 3 — "Coal and Ash Handling Equipment". Deposit, $10. Work includes a complete coal and ash handling system, with apron, pivoted bucket and screw conveyors, an overhead coal and ash storage bin, an ash car and track system and miscellaneous hoppers and spouts.
SPECIFICATION NO. 4 — "Power Plant Piping, Subway Piping.'" Deposit, $15. Work includes all piping, valves and fittings for the Power Plant, and a subway tunnel, together with insulation and supports.
SPECIFICATION NO. 5 — "Fans, Ducts and Breeching". Deposit, $5. Work includes one forced draft fan and two induced draft fans with steam engine drives, together with a complete duct and breeching system.
SPECIFICATION NO. 6—"Feedwater Treating Equipment and Boiler Feed Pumps". Deposit, $5. Work includes deaerator-heater, hot well, boiler feed pumps, condensate pump, and the hot process softening equipment, using lime, gypsum and sodium phosphate, together with necessary piping, valves, fittings, insulation and structural supports.
SPECIFICATION NO. 7 — "Electrical System." Deposit, $5. Work includes a rigid iron conduit and wiring system for light, power and telephones.
SPECIFICATION NO. 8 — "Motors and Transformers." Deposit, $2.50. Work includes electric motors and transformers, f.o.b. cars at Pullman.
SPECIFICATION NO. 9 — Deposit, $5. Includes a full set of the above plans and specifications (except Specification No. 8). This provides for a lump sum bid for all of the work under Specifications Nos. 1, 3, 4, 5, 6 and 7.
Plans and specifications obtainable from Professor Howard H. Langdon, Mechanical Engineer, State College of Washington, Pullman. Debb and Gould, Architects, Hoge Building, Seattle. Estimated cost, $140,000.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

BIDS OPENED
FOLSOM, Sacramento Co., Cal.—Palm Iron Works, 15th and S Streets, Sacramento, at $12 018 (item 1) and $18,181 (item 2) submitted low bid to State Purchasing Deparment, Sacramento, for furnishing jail equipment at the Folsom State Penitentiary. Complete blds follow:
(1) Cell fronts, locking devices, etc.
(2) Alternate proposal to item 1.
(3) 400 extra inner locks.

Palm Iron Works, Sacto.	(1)	$12,018
	(2)	18,181
	(3)	1,200
National Ornamental Iron Works, S. F.	(1)	12,985
	(2)	19,874
	(3)	1,200
Pacific Electric Mfg. Co., San Francisco	(1)	13,035
	(2)	18,253
	(3)	1,200
Golden Gate Iron Works San Francisco	(1)	14,719
	(2)	21,834
	(3)	1,200
Dyer Bros. Golden West Iron Works, S. F.	(1)	13,910
	(2)	19,753
	(3)	.....
Judson Pacific Co., S. F.	(1)	14,916
	(2)	23,381
	(3)	.....
Schrader Iron Wks, S. F.	(1)	15,750
Monarch Iron Wks., S. F.	(1)	24,610
Pauli Jail Building Co., St. Louis, Mo.	(1)	52,184

Bids held under advisement.

BIDS OPENED
SAN QUENTIN, Marin Co., Calif.—Pacific Elevator and Equipment Co., 45 Rausch St., San Francisco, at $4,881 submitted low bid to Department of Public Works, Sacramento, for furnishing and installing a passenger elevator at the Hospital, San Quentin State Prison.
Complete bids follow:

Pacific Elevator & Equip. Co.	$4,881
Otis Elevator Co., S. F.	5,195
Westinghouse Elec. Elevator Co.	5,801

Bids held under advisement.

14— RESIDENCES

Plans Being Figured—Bids Close De- To Be Done By Day's Work.
RESIDENCE Cost, $5000
SAN FRANCISCO. NW Thirtieth Ave. and Kirkham St.
One-story and basement frame and stucco residence.
Owner and Builder—Irving Building Co., 1491 39th Ave., San Francisco
Architect — C. O. Clausen, 746 46th Ave., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $5000
BERKELEY, Alameda Co., Cal. No. 2511 Bancroft Way.
Alterations to residence.
Owner—G. Guy, Premises.
Architect—Not Given.
Contractor—Frank G. Appelhe, 1067 Walker St., Berkeley.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN MATEO, San Mateo Co., Cal. Lot 55, Thirty-seventh Ave.
Alter frame residence.
Owner—C. W. Newman, 37th Avenue, San Mateo.
Architect—Not Given.
Contractor — Lengfeld & Olund, 220 Third Ave., San Mateo.

Contract Awarded.
RESIDENCES Cost, $8000
SAN FRANCISCO. W Melba St. 254 and 214 S Ocean Ave.
Two one-story and basement frame dwellings, $4000 each.
Owner — Fernando Nelson & Sons, 2901 19th Ave., San Francisco.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 553, 555, 547, 549 San Bruno Avenue.
Alterations to frame residences.
Owner — Margaret Sharp, 555 San Bruno Ave., San Francisco.
Architect—Not Given.
Contractor—Hanson Bros., 5840 Mission St., San Francisco

Contract Awarded.
RESIDENCE Cost, $4000
SAN FRANCISCO. W Twenty-seventh Ave. 130 S El Camino Del Mar.
One-story and basement frame dwlg.
Owner—Land Development Co., 364 Bush St., San Francisco.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $9000
BURLINGAME, San Mateo Co., Calif.
Two - story and basement frame and whitewashed brick residence (8 rooms, 4 baths) shake roof, gas steam heating system, oak plant floors, tile baths, etc.
Owner—Sylvia Brownell.
Architect—Clarence Tantau, 210 Post St., San Francisco.
Contractor—Fred. K. DuPuy, 110 Sutter St., San Francisco.
Plumbing, Heating & Tile—Scott Co., 243 Minna Street.

Contract Awarded.
ALTERATIONS Cost, $2000
PALO ALTO, Santa Clara Co., Calif. No. 1142 Bryant Street.
Alterations to frame residence.
Owner—D. P. McLachlan.
Architect—Not Given.
Contractor—R. W. Follmer, 465 Lytten St., Palo Alto.

To Be Done By Day's Work.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. S Judah St. 90 E Thirty-ninth Ave.
Three one-story and basement frame and stucco residences.
Owner and Builder—Standard Building Co., 218 Castenada Ave., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. W Eighteenth Ave. S Vicente St.
Two one-story and basement frame and stucco residences (5 rooms each).
Owner and Builder—Herman Christensen, 1422 27th Ave., San Francisco.
Architect — C. O. Clausen, 746 46th Ave., San Francisco.

To Be Done by Day's Work
RESIDENCE Cost, $5,000
SACRAMENTO, Calif., 530 Pico Way.
Two-story frame and stucco residence.
Owner & Builder—C. C. Ruhy, 4800 T St., Sacramento.
Architect—Not Given.

LOW BIDDERS
EL MONTE. Los Angeles Co., Calif. —H. A. Anderson, 4307 Van Buren Place, Los Angeles, and Harold Hanson, 1185 N. Flores St., Los Angeles, at $169,120 submitted low bid to Division of Subsistence Homesteads, Department of Interior, Washington, D. C. for the construction of the subsistence homestead project near El Monte. Following are three low bids submitted:
H. A. Anderson & Harold Hansen, Los Angeles, $169,120; Charles Dorffman, Los Angeles, $169 969; Monolithic Construction Co., Los Angeles, $172,-640.

December 4, 1934

Contract Awarded.
RESIDENCE Cost, $6000
STOCKTON, San Joaquin Co., Cal. No. 1545 West Walnut Street.
Two-story frame and stucco residence (6 rooms) English style.
Owner—H. L. Jeffries, 127 E. Main St., Stockton.
Architect—Not Given.
Contractor—E. Merlo, Moreing's Lane, Stockton.

Bids Opened.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. N E-21st St., bet. 13th and 14th Aves.
One-story and basement frame and stucco residence (3 rooms) Spanish style; tar, gravel and tile roof.
Owner—John Carlson.
Architect—Guy L. Brown, American Bldg., Oakland.
Low Bidder—Parsons & Williams, 2262 80th Ave., Oakland.
Complete bids follow:
Parsons & Williams.....$1934.25
J. R. Armstrong..... 2186.00
J. B. Petersen & Son..... 2326.00
Chas. W. Falk..... 2330.00
Bids held under advisement until December 5.

Construction Postponed Indefinitely
RESIDENCE Cost, $5000
SANTA ROSA, Sonoma Co., Cal. Outside City Limits.
One - story and basement frame and stucco residence (5 rooms).
Owner—John Rued, Woolsey Station, Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

To Ask Bids December 10.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors (type of heating not determined).
Owner—Wm. Shakelton, 429 College Avenue, Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
ALTERATIONS Cost, $2000
SAN FRANCISCO. 275 Paris Street.
Alterations to frame residence.
Owner—E. A. Baker, 275 Paris St.
Architect—Not Given.
Contractor—C. E. La Plant, 86 Fairfax Street.

Construction Started.
RESIDENCE Cost, $——
BAYWOOD, San Mateo Co., Cal.
Two-story and basement frame residence (7 rooms, 3 baths; Colonial type) wood siding, shingle roof, hot air heating system, hardwood floors, tile baths, etc.
Owner—Walter Black.
Architect — Leo Sharps, 1477 Burlingame Ave., Burlingame.
Contractor—Oscar Cavanaugh, 432 Occidental Ave., San Mateo.

Contract Awarded.
RESIDENCE Cost, $——
SAN FRANCISCO. Vallejo St. near Baker Street.
Two - story and basement frame and stucco residence (10 rooms and 4 baths).
Owner—Doctor Scovell.
Architect—G. W. Travis, 251 Kearny.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.

Bid Opening Date Postponed Until Dec. 13, 2 P. M.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two-story frame and stucco residence (7 rooms, 2 baths) Spanish style; tile roof, floor furnace, hardwood floors, tile baths, etc.
Owner—George Rothang.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

Contract Awarded
ADDITION Cost, $1200
SACRAMENTO, Sacramento Co., Cal. 5217 Folsom Boulevard.
Frame addition to residence.
Owner—M. A. Noceti, premises.
Architect—Not Given.
Contractor—J. Pesce, 5109 J St., Sacramento.

Sub-Contracts Awarded.
RESIDENCE Cost, $4000
HAYWARD, Alameda Co., Cal.
One-story frame and stucco residence (6 rooms); shake roof, hardwood floors, tile bath, etc.)
Owner—Hayward Better Housing Association.
Architect—George Simonds, 192 Main St., Hayward.
Contractor — Holyoake & Asmussen, 2839 East Ave., Hayward.
Mill Work—Hayward Mill & Lumber Co., Hayward.
Lumber—Quist Bros., Hayward.
Building Materials — Hayward Building Materials Co., Hayward.
Plumbing — Hayward Plumbing Co., Hayward.
Electric — Frank Electric Co., Hayward.
Linoleum—Dawes Co., Hayward.
Painting—J. R. Hennessy, Hayward.

15— SCHOOLS

PLANNED
TUCSON, Ariz.—Arizona legislature this week is expected to authorize the acceptance of an $815,000 Public Works Administration loan for financing a number of improvements at the University of Arizona, Tucson. The building program comprises appropriations for new structures as follows: Science building and greenhouse, $300,000; auditorium, $130,000; liberal arts building, $85,000; women's building, $80,000; museum, $65,000; administration building, $40,000; infirmary, $30,000; R.O.T.C. stables, $17,500; stock barn, $9000; judging pavilion, $6500; duplex dwelling, $6300; water tower, $3600; dairy barn additions, $4,-100; office, $1500; hay and machinery shed, $1500. Buildings to be remodeled are: Science building, $11,000; auditorium, $6000; girls' gymnasium, $3000. Roy Place, 11 E. Pennington St., Tucson, architect.

BIDS WANTED
LOS ANGELES, Cal.—Until Dec. 20, 11:30 A. M., (opening date changed from Dec. 19) bids will be received by Los Angeles board of education purchasing division, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening the main building (1922 portion) and the construction of a new frame building at the Brockton Ave. school, 1300 Brockton Avenue. Plans prepared by the architectural division of the board, A. S. Nibecker, Jr., architect, and John S. Ferguson, structural engineer. Cost $58,343.

NEW ELECTION PLANNED
BERKELEY, Alameda Co., Calif.—Board of Education may submit new bond issue to Berkeley voters for $449,000 to be used in reconstruction of high school buildings. A PWA grant of $228,000 allotted to the district has been extended to Dec. 15 pending a decision by the board on a new bond proposal. Bond issue submitted at election November 6 was defeated.

BIDS WANTED
VENICE, Los Angeles Co., Calif.—Until Dec. 21, 11:30 A. M., bids will be received by the Los Angeles board of education purchasing bureau, 1425 S. San Pedro St. for the erection of administration, senior and junior buildings and connecting arcades at the Venice high school, located on the south side of Venice Blvd., between Walgrove and Lyceum Aves., Venice. Cost, $378,000. John C. Austin and Frederic M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

Contract Awarded
SCHOOL Cost, $15,000
MacARTHUR, Shasta Co., Calif.
One-story heavy timber school building (one classroom and shop).
Owner—MacArthur School District.
Architect—Otto Dechmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Bids will be asked in about 30 days.

LOW BIDDER
ALTADENA, Los Angeles Co., Cal. —O. H. Strauser, 900 Dawson Ave., Long Beach, submitted low bid to Pasadena Board of Education at $121,000 for construction of the two-story reinforced concrete Altadena Elementary School building. Marston & Maybury, 25 S. Euclid Ave., Pasadena, architects.

Preparing Working Drawings.
SCHOOL Cost, $3500
BERRY CREEK, Butte Co., Cal.
One-story wood frame school building (one classroom) shingle roof, wood floors.
Owner—Berry Creek School District.
Architect—George Sellon, California State Life Bldg., Sacramento.
Work will be probably be done by SERA labor.

BIDS WANTED
SAN FRANCISCO—Until December 12, 2:30 P. M., bids will be received by the Department of Public Works, Room 251, City Hall, for painting the following schools.
Bayview School—NE Bay View and Flora Streets.
Denman School — Pierce, Fell and Hayes Streets.
John Swett School — McAllister St., between Franklin and Gough Sts.
Estimated cost, $8900.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall. No deposit required.

BIDS WANTED
LOS ANGELES, Cal. — Until Dec. 18, 11:30 A M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening the main building at the Heliotrope Avenue School, 4800 E. Slauson Ave. Joseph Kaiser, 5848 S. Van Ness Ave., Architect. Cost, $52,723.

CONTRACT AWARDED
PASADENA, Cal.—Taylor & Taylor 36 N. Union St., Pasadena, awarded contract by Pasadena board of education at $128,441 for reinforcing and altering the Longfellow elementary school. Marston & Maybury, 25 So. Euclid Ave., Pasadena, architects.

Final Plans Approved
IMPROVE SCHOOL Cost, $3500
SANTA CRUZ, Santa Cruz Co., Cal.
Live Oak School District.
Addition to Live Oak School (add two classrooms, each to be 32 ft. sq.) frame and stucco construction, shingle roof.
Owner—Live Oak School Dist. (Frank A. Anderson, clerk) Box 697, Rte. 2, Santa Cruz.
Architect—W. E. Higgins, 19 N. Second St., San Jose.
Plans have been approved by State Division of Architecture and bids will be asked shortly.

NO BIDS RECEIVED
BERKELEY, Cal.—No bids were received by the Berkeley Board of Education for the sale of roofing tile from the Oxford School. Estimated value $70. New bids will probably be asked shortly.

Preparing Working Drawings
DORIMTORY Cost, $100,000
OAKLAND, Alameda Co., Cal. Mills College Campus.
Two - story dormitory (wood frame construction; 60 beds).
Owner—Mills College.
Architect — W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Bids will be asked immediately after January 1.

Plans Being Prepared
SCHOOL Cost, $3500
BERRY CREEK, Butte Co., Cal.
One-story wood frame school building (one classroom) shingle ronf, wood floors.
Owner—Berry Creek School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Work will probably be done by SERA labor.

BIDS WANTED
OAKLAND, Cal.—Until Dec 13 4 P. M., bids will be received by the John W. Edgemond Secretary of the Oakland Board of Education for constructing four temporary buildings on the Oakland High School site, Park Blvd. and Hopkins Street, Oakland. Plans and specifications may be obtained from the above office upon deposit of $25.00.

Plans Approved.
JUNIOR HIGH SCHOOL $774,538
SAN FRANCISCO. Fillmore Street, Between Bay and Chestnut Sts.
Three-story reinforced concrete academic building (28 classrooms, 15 special rooms; 2 choral rooms; steel frame gymnasium; steel frame auditorium to seat 1600; 6 reinforced concrete shops; tar & gravel roof; steam heating system, wood and linoleum floors, wood and steel sash, wood trim.
Owner—City and County of San Francisco.
Architects—Geo. Kelham, 315 Montgomery St.; W. P. Day, Financial Center Bldg., and John Bakewell Jr., 251 Kearny St.
Plans have been approved by the State Division of Architecture and bids will be asked shortly.

Plans Being Figured—Bids Close Dec. 26, 2:30 P. M.
SCHOOL Cost, $——
SAN FRANCISCO. Thirtieth Avenue near Lawton Street.
Two-story and basement school building (Lawton School) fifteen classrooms, auditorium, kindergarten, library; tar and gravel roof, steam heating system, concrete frame, concrete walls, concrete floors, wooden studs, metal lath, etc.
Owner—City and County of San Francisco.
Architect — Dodge R. Riedy, Pacific Bldg., and Charles E. J. Rogers, Phelan Bldg.
Structural Engineer—Hyman Rosenthal, 821 Market Street.
Mechanical Engineer — Robert L. St. John, 544 Market Street.
Bids are being taken as follows:
General Work—Est. cost $220,000; $25 deposit for plans.
Mechanical Equipment and Plumbing—Est. cost, $29,000; $15 deposit for plans.
Electrical Work—Est. cost, $12,000; $15 deposit for plans.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, City Hall.

BIDS WANTED
LOS ANGELES, Cal. — Until Dec. 21, 11:30 A. M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 E. San Pedro St., for reconstructing, rehabilitating and strengthening the main building at the Glassell Park School, 2211 West Avenue 30. Edward Cray Taylor, architect, and Ellis Wing Taylor, 803 W. 3rd St., structural engineer. Cost, $52,833.

LOW BIDDER
PASADENA, Cal.—Taylor & Taylor, 36 N. Union St., Pasadena, submitted low bid to Pasadena Board of Education, at $133,000, for reinforcing and altering the Longfellow Elementary School Building. Marston & Maybury, 25 S. Euclid Ave., Pasadena, Architects.

BONDS FOR SALE
DALY CITY, San Mateo Co., Cal.—Jefferson School Dist. will sell bonds in the amount of $80,000 on December 17. Proceeds to be used for the construction of the Woodrow Grammar School, Jefferson Grammar school and Crocker School at Daly City. Plans are being prepared by Architect Albert H. Roller, Crocker First National Bank Bldg., San Francisco.

CONTRACT AWARDED
LOS ANGELES, Cal. — Easton & Nesser, 4822 W. Jefferson Blvd., awarded contract at $132,180 by Los Angeles Board of Education, for erection of a new 24-unit administration building at the David Starr Jordan High School site located on the north side of 103rd St., at Gorman Ave., Watts. Sumner P. Hunt, 701 Laughlin Bldg., Architect.

BIDS WANTED
LOS ANGELES, Cal. — Until Dec, 19, 11:30 A. M., bids will be received by the Los Angeles Board of Education Purchasing Division, 1425 S. San Pedro St., for reconstructing, rehabilitating and strengthening of the main building (1922) portion and the construction of a new frame building at the Brockton Avenue School, 1300 Brockton Ave. A. S. Nibecker, Jr., architect, and John S. Ferguson, structural engineer. Cost, $58,343.

Plans Being Figured—Bids Close Dec. 15, 8 P. M.
SCHOOL Cost, $——
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One-story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds 192 Main St., Hayward.
Plans and specifications may be obtained from the Architect Chas. McCall, upon deposit of $25.00.
On previous bid opening lowest bid was submitted by George Petersen, 1841 Bancroft Ave., San Leandro, at $11,634.

Planned
CENTERVILLE, Alameda Co., Cal. —State Division of Architecture has announced that approximately $15,000 must be expended to reinforce buildings at the Washington Union High School, Centerville. Engineers recommended that steel bracing be placed between the first and scond floors of main building, shop and gymnasium. It is not expected that work will be done until next summer.

Sub Contracts Awarded
SCHOOL Cont. Price, $48,627
ROSEVILLE, Placer Co., Calif.
One - story brick elementary school building (9 classrooms and lunch room) Woodbridge School.

Owner—Roseville Elementary School District (Pete Priest, Clerk).
Architect—Charles F. Dean, California State Life Bldg., Sacramento.
Contractor—Campbell Const. Co., 800 R St., Sacramento.
Roofing—F. J. Jordan, Roseville.
Plumbing—Carpenter & Mendehall, 907 Front St., Sacramento.
Electric—George C. Foss, 1720 8th St., Sacramento.
Sheet Metal — Savage Sheet Metal Works, Roseville.
Glass—Diamond Match Co., Roseville.
Hardwood Floors—Campbell Construction Co., 800 R St., Sacramento.
Brick & Stone Work—Campbell Construction Co., 800 R Street, Sacramento.
Lumber—Sterling Lumber Co., Roseville.
Painting—W. H. Raymond, 2710 Donner St., Sacramento.
Finish Materials—Diamond Match Co., Roseville.

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Bids Opened.
SCHOOL Cost, $ ——
SEBASTOPOL, Sonoma Co., Calif.
Two - story reinforced concrete high school **building.**
Owner—Analy Union High School District.
Architect—Louis C. Stone and J. R. Rowell, Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market Street, San Francisco.
Low bids follow:
General Work—A. Nelson, Inc., 242 Ocean Ave., San Francisco, $148,-676.
Electrical Work—Matson - Seabrooke Co., 4515 Broadway, Oakland, $15-397.
Heating Work—Carpenter & Mendenhall, 907 Front St., Sacramento, $21,267.
Complete bids follow:

General Work

A. Nelson, Inc., S. F.	$148,676
Frank J. Reilly, S. F.	159,831
Dinwiddie Const. Co., S. F.	161,900
B. A. Howkins Co., S. F.	163,721
William Spivock, S. F.	165,352
J. E. Parker Co., S. F.	167,940
DeLuca & Son, S. F.	167,945

Electrical

Matson-Seabrooke Co., Oakland	$15,397
Guerneville Hardware Co. Guerneville	15,630
Empire Elec. Co., Santa Rosa	16,022
Roy M. Butcher, San Jose	16,319
Central Electric Co., S. F.	16,400
Geo. H. Armstrong, S. F.	17,200
Eddy Electric Co., Stockton	17,507
Enterprise Elec. Works, S. F.	17,760
Abbott Electric Co., S. F.	17,850
American Electric Co., S. F.	17,889
NePage-McKenny Co., S. F.	17,962
W. N. Jennings, San Rafael	18,000
Spencer Electric Co., Oakland	18,359

Heating

Carpenter & Mendenhall, Sacramento	$21,267
J. A Nelson, Inc., S .F.	21,986
F. W. Snook, S. F.	22,345
F. J. Edwards, Oakland	22,777
Pacific Heating & Ventilating Co., Oakland	22,890
Knittle Bros., S. F.	23,319
Scott Co., San Francisco	23,352
Ray Kynoch, Petaluma	23,422
James H. Finkerton, S. F.	23,986
Carl T. Doell, Oakland	24,781
Schuster & Hudson, Oakland	24,783
M. J. Reeves, S. F.	25,572
Geo. C. Bell, Oakland	25,770
Eddy Electric Co., Stockton	29,078

(2994) 1st report Nov. 7,; 7th, Nov. 9, 1934. 15

Sub Contracts Awarded
SCHOOL Cont. Price, $14,521
WILLIAMS, Colusa Co., Cal.
Reconstruction of auditorium of the Williams School.
Owner — Williams Union Elementary School District (Ralph F. Fouch, Clerk).
Architect—Starks & Flanders, Forum Bldg., Sacramento.
Contractor—George Kopp, 1514 15th St., Sacramento.
Roofing—Fred Clark, Fruit Ridge Road, Williams.
Heating—Hately & Hately, 10th and I. Streets, Sacramento.
Sheet Metal—Frank Ahl, 21 P. Street, Sacramento.
Brick & Stone Work—Henry Redmond, 2414 H. Street, Sacramento.
Lumber—Diamond Match Co., Chico.
Painting—Wilcoxon & Wilson, 1724 34th Street, Sacramento.
Plastering—W. B. Scollan, 2919 T. St., Sacramento.
Finish Material—Capital City Planing Mill, 1812 9th Street, Sacramento.

SAN FRANCISCO — Visitacion Valley School — (City)

SCHOOL Cost, $——
SAN FRANCISCO. Schwerin Street between Visitacion and Leland Sts. (Visitacion Valley School).
Complete school unit (17 rooms, library, auditorium, kindergarten and auditorium detached) reinforced concrete construction.
Architect—Hyman & Appleton, 68 Post St. and G. Albert Lansburgh, 140 Montgomery Street.
Mechanical Engineers—Leland & Haley, 58 Sutter Street.
Structural Engineer — K. Theill, 580 Market Street.
Low bidders follow:
General Work—Frank J. Reilly, 6350 Fulton Street.
Mechanical Equipment—Anderson and Rowe, 45 Belcher Street.
Electric—Central Elec. Co., 179 Minna Street.
Complete bids follow:

General Work

(1) deduct for omitting auditorium.

(A) Frank J. Reilly		$181,231
	(1)	23,000
(B) K. E. Parker Co.		186,940
	(1)	22,325
(C) Anderson & Ringrose		188,000
	(1)	22,000
(D) MacDonald & Kahn		190,497
	(1)	20,000
(E) William Spivock		191,915
	(1)	20,000
(F) Leo Epp		203,877
	(1)	14,000
(G) James L. MacLaughlin		209,702
	(1)	22,190

Mechanical Work

Anderson & Rowe		$21,980
	(1)	1,200
Fred. W. Snook		22,636
	(1)	2,251
Scott Company		22,987
	(1)	3,223
J. A. Nelson		23,543
	(1)	2,040
M. Desiano		23,988
	(1)	1,850
Schuster-Hudson Co., Oakland		24,130
	(1)	2,442
Higgins & Kraus		25,826
	(1)	1,913

Electrical Work

(1) deduct.

Central Electric Co.		$10,632
	(1)	1,674
Chas. A. Langlais		10,662
	(1)	1,687
H. C. Reid		10,737
	(1)	1,683
DeLatour Electric Co.		10,797
	(1)	1,650
Strom & Smith		10,872
	(1)	1,800
NePage - McKenny		10,881
	(1)	1,631
E. J. Lynch		10,884
	(1)	1,720
Scott - Buttner		11,045
	(1)	1,772
H. F. Haverkamp		11,081
	(1)	1,736
Dowd - Seid		11,330
	(1)	1,531
C. C. McLean		11,361
	(1)	1,861

(1) excavation and backfilling from natural grade to depth of 4 ft. below same, add;
(1a) do, deduct;
(2) excavation and backfilling from natural grade to depth of 8 ft. below natural grade, add;
(2a) do, deduct;
(3) excavation and backfilling to a depth of 12 feet below natural grade, add;
(3a) do, deduct;
(4) excavatian and backfilling to a depth of 16 feet below natural grade, add;
(4a) do, deduct;
(5) Type A concrete, add;
(5a) do, educt;
(6) Type B concrete, add;
(6a) do, deduct;
(7) Type C concrete, add;
(7a) do, deduct;
(8) reinforcing steel, per lb., add;
(8a) do, deduct;
(9) linoleum, per sq. yd., laid, add;
(9a) do, deduct;
(10) cement topping, per sq. yd , laid add;
(10a) do, deduct;
(11) concrete yard base and asphalt paving, per sq. yd., laid, add;
(11a) do, deduct.

Unit prices follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 2.00	$ 2.00	$ 1.00	$ 1.00	$ 1.50	$ 1.25	$ 2.50
(1a)	.75	1.25	.30	.20	.75	.50	1.50
(2)	3.00	3.00	1.00	1.50	2.50	2.50	3.50
(2a)	1.00	1.25	.30	.25	1.00	1.00	2.00
(3)	4.00	4.00	2.00	2.00	4.00	5.00	4.50
(3a)	1.50	1.25	.40	.30	1.00	1.50	2.50
(4)	6.00	8.00	3.00	3.00	7.00	10.00	8.00
(4a)	2.00	2.00	.40	.4	1.00	4.00	4.00
(5)	18.00	17.00	18.00	19.00	14.00	20.00	13.50
(5a)	10.00	11.00	8.00	8.00	9.00	10.00	9.00
(6)	22.00	18.00	20.00	20.00	15.00	21.00	15.00
(6a)	12.00	12.00	8.00	8.00	10.00	10.50	9.70
(7)	16.00	.....	.....	20.00	16.00	21.50	13.50
(7a)	8.00	.....	.....	8.00	10.00	11.00	9.00
(8)	.07	.0425	.045	.06	.05	.0425	.05
(8a)	.03	.0375	.025	.03	.03	.03	.025
(9)	2.00	2.25	2.50	2.25	1.90	2.25	3.00
(9a)	1.75	1.79	1.25	1.50	1.60	1.75	1.75
(10)	.80	.90	.60	.75	.75	.70	1.00
(10a)	.45	.45	.30	.30	.45	.35	.50
(11)	2.00	1.50	1.10	1.60	1.50	1.70	1.50
(11a)	1.50	1.00	.70	.90	1.00	.85	.90

Plans Awaiting PWA Approval.
SCHOOL Cost, $300,000
SAN FRANCISCO. No. 150 Brompton St. (Glen Park School).
Two-story reinforced concrete school (14 classrooms, auditorium to seat 450) tar and gravel roof, steam heating system, etc.
Owner—City and County of San Francisco.
Architects—Louis P. Hobart, Crocker Building and Bliss & Fairweather, Balboa Building.
Structural Engineer—John B. Leonard 677 Tenth Avenue.
Mechanical Engineer—Robert L. St. John, 544 Market Street.
Approval is expected today and bids will be asked immediately.

Plans Completed.
REPAIR SCHOOLS Cost, $65,000
CROCKETT, Contra Costa Co., Calif.
Repairs and earthquake - proofing of Crockett grammar school & John Swett high school.
Owner—Crockett School District.
Engineers—H. D. Dewell and A. W. Earl, 55 New Montgomerw Street, San Francisco.
Consulting Architect—H. H. Gutterson, 526 Powell St., San Francisco.
Plans have been forwarded to Sacramento State Division of Architecture for approval.

16—BANKS, STORES AND OFFICES

Contract Awarded.
ALTERATIONS Cost, $2500
SACRAMENTO, Sacramento Co., Cal. No. 910 K Street.
Alterations to store building.
Owner—Barney Gallagher, Premises.
Architect—Not Given.
Contractor—Arthur Fisher, 800 35th St., Sacramento.

Planned
BUILDING Cost, $——
BAKERSFIELD, Kern County, Calif. County Fair Grounds.
One-sory building (to house women sewing for SERA).
Owner—County of Kern.
Architect—E. J. Symmes, Haberfelde Bldg., Bakersfield.

Contract Awarded.
OFFICE BLDG. Cost, $25,000
SAN FRANCISCO. E Valencia St. 150 S Twenty-second St.
One-story frame office headquarters.
Owner — SERA, 450 Mission St., San Francisco.
Architect—Not Given.

Contract Awarded
STORE Cont. Price, $7,476
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
One - story reinforced concrete store building (three stores) composition roofing, etc.
Owner—Russell Frank.
Architect—W. E. Schirmer, 910 Bank of American Bldg., Oakland.
Contractor—David Nordstrom, 4150 Emerald St., Oakland.
Complete bids published Nov. 22.

Prospective Bidders.
MARKET Cost, $10,000
OAKLAND, Alameda Co., Cal. College Avenue near Shafter Avenue.
One-story Class C Public Market (42 x120 ft.) brick walls, steel trusses and columns, concrete floors, etc.
Owner—Henslee Corporation.
Architect — Chester H. Treichel, 696 Cleveland Ave., Oakland.
Following have procured plans. Bids close December 6:
Herbert Henderson, 20 Avis Road Berkeley.
Lindgren & Swinerton, 1723 Webster St., Oakland.
Mark Bristol Co., 1038 McKinley St., Oakland.
Jensen & Pederson, 3443 Adeline St., Oakland.
C. H. Thrams, 28 Home Place, Piedmont.
Lay Constr. Co., 832 E-11th St., Oakland.

Contract Awarded.
ALTER CAFE Cost, $3000
SAN FRANCISCO. SW Geary and Mason Streets.
Alterations to cafe.
Owner—Marquard Catering Co., SW Geary and Mason Sts.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch St., San Francisco.

December 3, 1934

To Ask Bids Shortly.
COMPLETE BLDG. Cost, $250,000
SEATTLE, Wash. W Third Avenue bet. Madison and Spring Streets.
Finish sub-basement, basement, first and second floors of City Light Bldg. (terra cotta exterior walls, reinforced concrete constructon, plate glass display windows, bronze trim, aluminum grilles, rolling steel doors, hydraulic elevator, etc.)
Owner—Earl Morrison, Textile Tower, Seattle.
Architect—Not Given.

Plans Being Prepared
OFFICES Cost, $8000
MODESTO, Stanislaus Co., Cal. 12th and K Streets.
One - story reinforced concrete office building (Spanish style) tile roof, vaults, etc.
Owner—Farmers' Mutual Fire Insurance Co. (E. W. Morrow, Turlock Manager).
Architect—G. N. Hilburn, 1213 I St., Modesto.

Mill Work Contract Awarded
APT. & RESTAURANT Cost, $17,750
WINNEMUCCA, Nevada.
One - story brick automobile apartment house and restaurant.
Owner and Builders—Sykes, Sheldon & Sykes, Winnemucca.
Architect—Not Given.
Mill Work—Davis Hardwood Co., Bay and Mason Sts., San Francisco.

Sub-Contracts Awarded.
ALTERATIONS AND ADDITIONS Contract Price, $19,441
COLMA, San Mateo Co., Cal. Cypress Lawn Cemetery.
Alterations to first floor and add one-story frame top addition to office bldg.; one-story frame flower shop (cement plaster exterior, etc.)
Owner—Cypress Lawn Cemetery Association, 593 Market St., San Francisco.
Architect — Arthur Brown Jr., 251 Kearny St., San Francisco.
Contractor — Dinwiddie Construction Co., Crocker Bldg., San Francisco
Following sub-contracts awarded on office building:
Plastering—MacGurer & Co., 266 Tehama St.
Roofing—J. W. Bender Roofing Co., 18th and Bryant Sts.
Mill Work—Anderson Bros. Planing Mill, Quint and Custer Sts.
Glass—W. P. Fuller & Co., 301 Mission St.
Plumbing and Heating—F. W. Spencer 1996 Fell St.
Electric — Atlas Electric Co., 343 Fourth Street.
Stairs—J. diCristini, 3150 18th St.
Cut Stone—California Cut Stone Co., South San Francisco.
Following sub-contracts awarded on flower shop building:
Masonry—Reed & Reed, Hearst Bldg.
Plastering — A. Knowles, 982 Bryant Street.
Roofing—C. L. Frost, Palo Alto.
Mill Work — Anderson Bros. Planing Mill, Quint and Custer Sts.
Glass—W. P. Fuller & Co., 301 Mission St.
Steel Sash — Soule Steel Co., 1750 Army St.
Plumbing—F. W. Spencer, 1996 Fell Street.
Electric—Chas. A. Langlais, 472 Tehama Street.
Tile—Art Tile & Mantel Co., 221 Oak Street.
Awning—American Tent & Awning Co., 1132 Mission St.

Sub-Contracts Awarded
ALTERATIONS Cost, $5000
BERKELEY, Alameda Co., Cal. 2511 Bancroft Way.
Alterations to dress shop (new modern front, add mezzanine floor, etc.)
Owner—Mrs. G. Guy.
Architect — Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor—Frank Appelbe, 2405 Acton St., Berkeley.
Mill Work—Clinton Mill & Lumber Co. 701 Fourth Ave., Oakland.
Heating—Aladdin Heating Co., 5107 Broadway, Oakland.
Tile—Rigney Tile Co., 3012 Harrison Street, Oakland.
Electric—Electric Service Shop, 589[illegible] College Ave., Berkeley.

Construction Under Way.
ALTERATIONS Cost, $5000
BERKELEY, Alameda Co., Cal. No. 2511 Bancroft Way.
Alterations to dress shop (new modern front, add mezzanine floor, etc.)
Owner—Mrs. G. Guy.
Architect — Henry H. Gutterson, 526 Powell St., San Francisco.
Contractor—Frank Appelbe, 2405 Acton St., Berkeley.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. No. 131 Jackson Street.
Alterations to store building.
Owner—Y. E. Wing, Premises.
Architect—Not Given.
Contractor—V. J. Sunzeri, 176 N. 31st St., San Jose.

Low Bidder
OFFICE BLDG. Cost, $10,000
PALO ALTO, Santa Clara Co., Calif. Westerly side El Camino Real at Stanford Avenue.
One - story reinforced concrete office building (45x75 feet) to contain 13 offices and clinic treatment facilities.
Owner—Dr. Granville Wood, 2265 El Camino Real, Palo Alto.
Architect—H. C. Collins, Decker Oak Bldg., Palo Alto.
Low Bidder—George Moore, 431 Stanford, Palo Alto.
Bids held under advisement for about ten days.

Work Started.
ALTER STORE Cost, $——
BURLINGAME, San Mateo Co., Cal. Burlingame Avenue.
Alterations to store building.
Owner—Pacific States Savings & Loan Assn., 745 Market St., San Francisco.
Architect—Leo Sharps, 1477 Burlingame Ave., Burlingame.
Carpentry and Mill Work—Seymour Constr. Co., 604 Mission St., San Francisco.

Bids Opened.
BEAUTY SHOP Cost, $——
SAN JOSE, Santa Clara Co., Calif. San Carlos St. near Market St.
One-story and basement beauty shop wood frame, plastered exterior,

linoleum floors, panel partitions).
Owner—A. Castle.
Architect—Charles McKenzie, Twohy Building, San Jose.
Low Bidder—M. W. Reese, 1210 Minnesota Ave., San Jose.
Complete bids follow:

M. W. Reese	$3,431
J. W. Osborne	3,495
J. E. Perkins	3,650
William Schwartz	3,738
William Caldwell	3,888
J. S. Newell	3,900
J. G. Luebben	3,935
H. Bolwin	4,010
F. Nielsen	4,329
Earl Heple	4,399
Collins & Martin	4,588
George Honore	4,680

Bids held under advisement. *

Contract Awarded
ALTERATIONS Cost, $2,000
SAN FRANCISCO. NW Eighth Ave. and Fulton Street.
Alterations to restaurant.
Owner—C. Canellas, 1440 15th Ave.
Architect—Not Given.
Contractor—J. W. Ross, 666 Mission. Street. 3

Contract Awarded
ALTERATIONS Cost, $9000
FRESNO, Fresno Co., Cal. 206 North Fulton Street.
One-story frame medical clinic (15 rooms, Xxray lab., surgery, etc.)
Owner—Dr. W. F. Weise, premises.
Architect—Not Given.
Contractor—Harrison Const. Co., 577 McKinley Ave., Fresno.

Contract Awarded
CAFETERIA Cost, $3000
SAN FRANCISCO. 1900 Bryant St.
Construct cafeteria on roof of present building.
Owner—The Best Foods Co., Inc., 1990 Bryant Street.
Engineer—K. Theill, 580 Market St.
Contractor—Larsen & Larsen 629 Bryant Street. *

Glass Contract Awarded
ALTER STORE Cost, $——
BURLINGAME, San Mateo Co., Cal. 1350 Burlingame Avenue.
Alterations to store building.
Owner—Pacific States Savings & Loan Assn., 745 Market St., San Francisco.
Architect—Leo J. Sharps, 1477 Burlingame Ave., Burlingame.
Glass—W. P. Fuller & Co., 301 Mission St., San Francisco, $461.
As previously reported, carpentry and mill work awarded to Seymour Const. Co., 604 Mission St., San Francisco.

Planned.
WELFARE BLDG. Cost, $——
VISALIA, Tulare Co., Cal.
Construct building to house welfare and relief agencies.
Owner—County of Tulare.
Architect—Not Given.
If approved proposed building will probably be constructed on a site to be donated by the county and work will be done under the SERA.

Contracts Awarded.
OFFICE BLDG. Cont. Price, $40,592
SAN DIEGO, San Diego Co., Cal.
One-story and part basement reinforced concrete district office bldg. (frame partitions, clay tile roofing).
Owner—State of California.
Architect—George B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor — J. A. Hunt, P. O. Box 146, East San Diego.
Electric — San Diego Electric Shop, 802 F St., San Diego, at $2179.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland, at $3487.
Heating—Johnson & Reeves, 1112 S. Central Ave., Glendale, at $3991.
Complete bids published Nov. 28.

Plans Being Prepared.
OFFICE BLDG. Cost, $150,000
OAKLAND, Alameda Co., Cal. SE Broadway and Thirteenth St.
Two-story steel and concrete office building (to contain 45,000 square feet of floor space).
Owner—Chas Jurgens Company.
Architect—H. A. Minton, 525 Market St., San Francisco.
Agent—Lionel Wachs Co., Bank of America Bldg., Oakland.
Contractor — F. A. Muller, Syndicate Bldg., Oakland.

17— THEATRES

Contract Awarded.
Bids Opened.
THEATRE Cost, $25,958
SALINAS, Monterey Co., Cal. Sausal and Soledad Streets.
One - story reinforced concrete theatre and store building (theatre to seat 600, two stores); auditorium 50x100 feet, insulation, etc.
Owners—John Peters and Lawrence Borg, Salinas.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Complete bids follow:

Harold C. Geyer, Monterey	$25,958
Young & Horstmeyer, S. F.	26,453
W. E. Greene, Salinas	26,635
E. F. Reese, Salinas	26,726
F. C. Carlsen, Salinas	28,542
Cahill Bros. San Francisco	28,988
A. J. Hopper, Piedmont	30 259

Above bids on Prop. No. 2, including store fronts

PLANS BEING FIGURED
LOS ANGELES, Cal.—Architect S. Chas. Lee, 2404 W 7th St., is taking bids for a reinforced concrete structural steel theater and store building at 6673 Hollywood Blvd. for H. Sheehan. Will seat 900 people and contain four stores. 7

THEATRE Cost, $50,000
SUSANVILLE, Lassen Co., Calif.
One-story and balcony reinf. concrete theatre building (to seat 850) tar and gravel roof, air conditioning system, etc.
Owner—T. and D. Enterprises, 25 Taylor St., San Francisco.
Plans by Engineering Dept. of Owner
Contractor—Salih Brothers, 25 Taylor Street, San Francisco.
Mill Work—Davis Hardwood Co., Bay and Mason Sts., San Francisco.

LOW BIDDERS
LUALUALEI, T. H. — Max W. Moosy, Honolulu, T. H., at $3900 submitted low bid to 11th Naval District, a motion picture theatre at Lualualei, T. H. Second low bid was submitted by E. E. Black, Honolulu, at $4700.

Planned.
ALTER THEATRE Cost, $25,000
FRESNO, Fresno Co., Cal. No. 1213 Fulton Street.
Alterations to Fox Kinema Theatre (install new ventilating system, aisle lights, additional seats, new carpets, projection machine, new box office, tube lighted marquee, etc.)
Owner—Fox Kinema Theatre (Kenneth Workman, Manager), Fresno
Architect—Not Given.

Contract Awarded.
THEATRE Cont. Price, $25,958
SALINAS, Monterey Co., Cal. Sausal and Soledad Streets.
One-story reinforced concrete theatre and store building (theatre to seat 600, two stores); auditorium 50x100 feet, insulation, etc.
Owners—John Peters and Lawrence Borg, Salinas.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Complete bids follow:

Edwin Anderson, S. F.	(1)	$35.00
	(2)	.06
	(3)	.14
Cement Gun Construction Co., San Francisco	(1)	$36.00
	(2)	.07
	(3)	.23
Healy-Tibbitts Const. Co., San Francisco	(1)	$37.00
	(2)	.08
	(3)	.20
Case Const. Co., Inc., L. A.	(1)	$42.60
	(2)	.11
	(3)	.23

Bids held under advisement for one week. *

19—MISC. CONSTRUCTION

To Be Done By Day's Work.
CONVEYOR, ETC. Cost, $4000
SAN FRANCISCO. E Sixth St. 50 E Berry Street.
Conveyor and aggregate bunker.
Owner — John Cassaretto, Sixth and channel Sts., San Francisco.
Architect—Not Given.

PURCHASED
BERKELEY, Cal.—C. F. Roberts, Oakland, purchased the brick and wood building located on the Thousand Oaks School site on Colusa St. facing Capistrano St. Purchase price was $90.

BIDS REJECTED
SAN FRANCISCO.—All bids received by the Directors of the Golden Gate Bridge and Highway District, Room 1000, 110 Sutter St., Oct. 31, for furnishing and installing service elevators in the Marin and San Francisco towers of the Golden Gate Bridge have been rejected.
Otis Elvator Co. submitted low bid at $94,842. *

Being Done By Day's Work.
SLAUGHTER HOUSE Cost, $18,000
HEALDSBURG, Sonoma Co., Calif. Redwood Highway (4 acre tract).
One-story concrete slaughter house; (concrete foundations, etc.)
Owner—George Biesh, Healdsburg.
Architect—Not Given.
Work is being done by day's labor on a segregated bid basis.

BIDS OPENED
FORT WINFIELD SCOTT, Cal.—D. E. Manning, 118 Virginia Ave., San Francisco, at $763 submitted low bid to Capt. R. E. Woolverton, Signal Officer, Presidio of San Francisco, Headquarters Ninth Corps Area, for the installation of an antenna and a

buried ground system for the Radio Traismitter Radiatoni System at Fort Winfield Scott. The other bids were:
G. M. Gest, Oakland.....$ 784
W. A. Degen, Alameda 1370
Abbott Elec. Co., S. F..... 1497
Bids held under advisement.

Planned.
FUNERAL HOME Cost, $17,000
MARYSVILLE, Yuba Co., Cal. SW Ninth and D Streets.
Two-story frame and stucco funeral home (Colonial style) to contain 16 rooms, sound proofing, heating and air conditioning system, pipe organ, chapel to seat 175, slumber rooms, etc.
Owner — Hogle & Byrne, Inc., Yuba City.
Architect—Not Given.

CONTRACT AWARDED
LOS ANGELES, Cal.—Myers Bros., 2407 San Fernando Road, awarded the contract for a four-story, Class A reinforced concrete motion picture scoring stage and sound building (43x88-ft.) at 1438 N. Gower St., for Columbia Pictures Corp. B. S. Hayne, 1438 N. Gower St., architect.

Contract Awarded
RADIO TOWER Cost, $4,000
SAN FRANCISCO. 1380 Bush Street. Steel radio tower.
Owner—Julius Brunton & Son, 1380 Bush Street.
Plans by Pacific Coast Steel Corp., 20th and Illinois Streets.
Contractor—H. G. Shattuck, 2428 San Bruno Avenue.

PLANS COMPLETED
LOS ANGELES, Cal.—Charles Lee, architect, 2404 West Seventh St., applied for building permit to erect 1-story and mezzanine, Class C brick motion picture theatre and store building at 6669-77 Hollywood Blvd., for Sheehan & Sinks, owners; 90x170 feet. Cost, $40,000.

Plans Approved.
BATHHOUSE Cost, $2000
REDDING. Shasta Co., Cal. North Bank of Sacramento River.
Rustic bathhouse (red brick and asphalt roof; 72x38 feet); five showers, lavatories, etc.
Owner—City of Redding.
Architect — O. A. Deichmann, 110 Sutter St., San Francisco.
Work will probably be done under the SERA.

BIDS WANTED
OAKLAND, Cal.—Alameda County Board of Supervisors will sell at public auction on December 11, 10 A. M., the old Emergency Hospital Building, located in the rear of the Hall of Records at Fifth and Franklin Sts. Oakland.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED
LOS ANGELES, Cal.—Bids for furnishing cross arms, insulators, transmission line hardware, etc., for San Xavier, F. P. 200, Tucson, Ariz., under Bid No. 0103, were opened by the U. S. Indian Service, Los Angeles, Nov. 26. The bids were:
Corning Glass C.—F.o.b. Corning—item (4) 280 pin type insulators, 13c each.
Westinghouse Elec. Co.—Cross arms and insulators, $1.04 and $2.90 each, respectively. Group 1, $131.20, f.o.b. Wilmington; Group 2, $219.15, Tucson Group 3, $299.90, Tucson.
Joslyn Co., General Electric Supply Corp., Standard Sanitary Mfg. Co., Graybar Electric Co., submitted bids identical to that of Westinghouse Co.
Pacific Tank & Pipe Co., bid $1.04 and $2.90 or $131.20 on Group 1.
Other bids on Group 1 (cross arms) were:
J. H. Baxter & Co.—$1.10 and $3.62; total of Group 1, $140.98, Long Beach.
Hammond Lumber Co.—$1.26 and $3.70; total of group 1, $159.70, Tucson.

BIDS OPENED
OAKLAND, Cal.—Identical bids at $1.58 per 100 sq. ft. by rail and $1.48 per 100 sq. ft. by rail and water plus handling charge were received by the East Bay Municipal Utility District, Oakland, under Proposal No. 565, for furnishing 300,000 sq. ft. galvanized and welded steel fabric, from the following: Gunn, Carle & Co.; Baker, Hamilton & Pacific Co.; Turscon Steel Pacific Coast Fence; California Wire Cloth; Concrete Engr. Co.; Pacific Coast Steel; W. C. Hauck & Co.; Herrick Iron Works; Dunham, Carrigan & Hayden; Wickwire Spencer; Soule Steel; Pacific Steel Sales Co.; W. S. Wetenhall, Geo. Boorman Steel Co., and Pittsburgh Steel Co.
Bids held under advisement.

BIDS OPENED
LOS ANGELES, Cal.—Bids for furnishing 1,120,000 to 5,000,000 bbls. Portland cement for use on the Colorado River Aqueduct under Specifications No. 79 were opened by the Metropolitan Water District Nov. 27, as previously reported. Bids were taken as follows:

SCHEDULE I

(1) 1,250,000 bbls. plus or minus 20%, cement in bulk f.o.b. cars or trucks at bidder's plant or plants;
(2) 2,500,000 bbls.;
(3) 3,750,000 bbls.;
(4) 5,000,000 bbls.

SMHEDULE II

By zones—no bids.
Santa Cruz Portland Cement Co., 325 Crocker Bldg., San Francisco—Schedule I, item (1) $1.49 bbl.; total, $1,862,500. No discount. Delivery, item (1), from Long Beach, Calif., daily 2500 bbls. from Long Beach; monthly 60,000 bbls. from Long Beach. Delivered as ordered after April 1, 1935.
California Portland Cement Co., Monolith Portland Cement Co., Riverside Cement Co., Southwestern Portland Cement Co., by Louis Carman, 1124 Bartlett Bldg., Los Angeles—Schedule I, item (1), $1.49; total $1,862,500. Item (2) $1.47; total, $3,675,000. Item (3) $1.45; total $5,437,500 Item (4), $1.40; total, $7,000,000. No discount. Deliveries: Item (4), 1-500,000 bbls. Colton; 1,000,000 bbls. Monolith; 1,500,000 bbls. Crestmore; 1,000,000 bbls. Victorville. Items (1), (2) and (3) proportionately reduced. Daily deliveries: Colton, 3600 bbls.; Monolith, 2400 bbls.; Crestmore, 3600 bbls.; Victorville, 2400 bbls. Monthly deliveries: Colton, 90,000 bbls.; Monolith, 60,000 bbls.; Crestmore, 90,000 bbls.; Victorville, 60,000 bbls. Deliveries to begin as ordered after Feb. 1, 1935.

BIDS OPENED
LOS ANGELES, Cal. — Bids for furnishing copper wire, etc., for Irrigation District No. 4, San Xavier F. P. Project No. 200, Tucson, Ariz., were opened by the U. S. Indian Irrigation Service, Tucson, Ariz., Nov. 26. Bids were taken as follows:

GROUP NO. 1

(1) 5000 lbs. No. 4 AWG, bare, hard-drawn, 3-strand copper wire;
(2) 3400 lbs. No. 5 AWG, bare, hard-drawn, 3-strand copper wire;
(3) 60 lbs. 6 AWG, bare, solid, annealed copper wire, cut into lengths for use as tie wire;
(4) Charge and credit for reels of approximately 1000 lbs. capacity;

GROUP NO. 2

(5) 20 copper sleeve connectors for use in splicing No. 4 AWG, 3-strand copper conductors of heavy copper, not less than 8-in. long;
(6) 20 copper sleeve connectors for use in splicing No. 5 AWG, 3-strand copper conductors, not less than 7-in long;
(7) 80 bronze connectors of the solderless type, for making taps or joints in No. 4 or No. 5 AWG, 3-strand copper conductors.

The bidders were:
A) General Cable Corp.
(B) J. A. Roehling's Sons Co.
(C) Phelps - Dodge Copper Products Corp.
(D) Graybar Electric Co.
(E) General Electric Supply Corp.
The bids were:
(1) (A) $.1665; (B) $.1665; (C) $.1665; (D) $.1665; (E) $.1665; total (A) $832.50; (B) $832.50; (C) $832.50; (E) $832.50
(2) (A) $.1695· (B) $.1695; (C) $.1695; (D) $.1695 (E) $.1695; Total, $576.30; $576.30; $576.30; $576.30; $576.30.
(3) (A)$.163; (B) $.163; (C) $.163;(D) $.163; (E) $.163; Total, $978; $978; $978; $978 $978.
(4) (A) $7.00; (B) $12.00; (C) no bid; (D) $7.00; (E) $7.00.
(5) (A) no bid; (B($.1112; (C) no bid; (D) $.114; (E) $.114; Total, (B) $2.22; (D) $2.28; (E) $2.28.
(6) (A) no bid; (B) $0944; (C) no bid; (D) $.151; (E) $.151; Total, (B) $1.89; (D) $3.02; (E) $3.02.
(7) (A), (B), (C) no bid (D) $1,56; (E) $1.56; Total (D) $12.48; (E) $12.48.

LEASE BUILDINGS
CLYDE, Contra Costa Co., Calif.—Federal Emergency Relief Administration has leased all buildings in the town of Clyde and plans immediate rehabilitation for occupation by CCC workers to manufacture articles for use in CCC camps. Material and equipment needed for reconstruction will be purchased by H. Zickert, special purchasing agent for transient shelter projects, at Room 409, 49 Fourth St., San Francisco.

BIDS OPENED
RED BLUFF, Cal.—Following bids received by the Red Bluff City Council, E. E. Stevens, Superintendent of Water Works, City Hall, November 26, for furnishing 6,000 ft. of 12-in. steel pipe for the City Water Department:
Montague Pipe & Steel Co., San Francisco (delivery on job), $4,860.00; Western Pipe & Steel Co., San Francisco (delivery on job), $4,860.00; California Corrugated Culvert Co., West Berkeley (delivery on job), $5,070.00; Consolidated Steel Corp., Los Angeles (F.O.B. cars R. B.), $5,040.00; Crane Co., Sacramento (delivery on job), $7,191.00; Sacramento Pipe Co., Sacramento (delivery on job), $5,700.00; Berkeley Steel Construction Co., Berkeley (delivery on job), $5,520.00.
Bids held under advisement until December 3.

CONTRACT AWARDED
SAN FRANCISCO—George Grifall, 1532 California St., Mountain View, at $84 (5% 10 days), submitted low bid and awarded contract by the Bureau of Public Roads, Sheldon Bldg., San Francisco, for hauling one "50" Caterpillar tractor equipped with trailbuilder from a point 30 miles west of Willows to a government camp

about 10 miles from Douglas City on the Douglas City-Peanut Road. The distance is approximately 150 miles; weight 13 tons. The other bids were:
Converse Direct Delivery, San Francisco, $87.50.
J. P. Breen, Sacramento $118 (2%, 10 days).
K. H. John, San Francisco, $120 (2% 10 days).
Hemstreet & Bell, Marysville, $150.

CONTRACT AWARDED

FRESNO, Fresno Co., Cal.—Northwest Stove Works submitted low bids and awarded contract by the Fresno District Quartermaster for C. C. C. Camps for furnishing: (1) 74 large, and (2) 53 small heating stoves for C.C.C. Camps.

The bids were:
Northwest Stove Works, 1%, (1) $16.04; (2) $13.28.
James Graham Mfg. Co., 2%, (1) $17.13; (2) $14.37.
Barrett-Hicks Hardware Co., 2%, (1) $17.68; (2) $12.78.
Emil Brown & Co., 2%, (1) $19.85; (2) $15.85.
Myers S. Rubens, (1) $20.47; (2) $15.79.
Fisher-Glassford Hardware Co., (1) $20.65; (2) $16.40.

BIDS OPENED

SAN DIEGO, Cal.—Seven firms submitted identical bids to the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., Nov. 27, for furnishing 2500 barrels of portland cement under Sched. 3710, Lot 310. The price was $6110 and the bidders were:
Pacific Portland Cement Co., San Francisco.
Riverside Cement Company.
Southwestern Portland Cement Co.
Monolith Portland Cement Co., Los Angeles.
Henry Cowell Lime & Cement Co., San Francisco.
California Portland Cement Co., Los Angeles.
Calaveras Cement Company, San Francisco.

Bids were received at the same time and under the same schdule, but Lot 311, for 8200 barrels of cement at Mare Island, San Francisco or Los Angeles. Six bids were identical at $22,026 and a seventh bidder submitted a partial bid. The names were:
Yosemite Portland Cement Co., San Francisco.
Santa Cruz Portland Cement Co., San Francisco.
Pacific Portland Cement Co., San Francisco.
Monolith Portland Cement Co., Los Angeles.
Henry Cowell Lime & Cement Co., San Francisco.
Calaveras Cement Company, San Francisco.

The partial bid, at $14,296, was submitted by the Riverside Cement Co., Los Angeles.

CONTRACT AWARDED

SAN FRANCISCO—Kellogg Switchboard & Supply Co., 246 First Street, awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid No. 1296, for furnishing cable as follows:
(1) 24,000 ft. 25 pair cable, at $0.255 per ft.;
(2) 4,000 ft. 15 pair cable at $0.18 per ft.;
(3) 8,000 ft. 6 pair cable at $0.09 per ft.;
(4) 2,500 ft. 3 pair cable at $0.11 per ft.

CONTRACT AWARDED

OAKLAND, Calif.—California Wire Cloth Co., 587 Mission St., San Francisco, at approximately $4,750 awarded contract by the East Bay Municipal Utility District, Oakland, under Proposal No. 565, for furnishing 300,000 sq. ft. galvanized and welded steel fabric, by rail and water shipment.

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing from 200,000 to 800,000 bbls. Portland cement under Specification No. 80 for use on the Colorado River Aqueduct, were opened by the Metropolitan Water District Nov. 27, as previously reported. Bids were taken as follows:
(1) 200,000 bbls. f.o.b. cars or trucks bidder's plant;
(2) 400,000 bbls.;
(3) 600,000 bbls.;
(4) 800,000 bbls.

The bids were:
Santa Cruz Portland Cement Co., 324 Crocker Bldg., San Francisco—Item 2, $1.49 bbl; total, $596,000; No discount. Delivery entire amount from Long Beach. Daily 2500 bbls., monthly 72,000 bbls.

California Portland Cement Co., Monolith Portland Cement Co., Riverside Cement Co., and Southwestern Portland Cement Co.—Item 1, $1.49; total, $298,000; item 2, $1.49; total $596,000; item 3, $1.49; total, $894,000; item 4, $1.49; total $1,192,000. No discount. Deliveries, item (4) from Colton, 240,000 bbls.; Monolith, 160,000 bbls.; Crestmore, 240,000 bbls.; Victorville, 160,000 bbls.; items 1, 2 and 3, proportionately reduced. Daily deliveries: Colton, 2400 bbls.; Monolith, 1600 bbls; Crestmore, 2400 bbls; Victorville, 1600 bbls. Monthly deliveries: 60,000 bbls.; Colton, 40,000 bbls. Monolith; 60,000 bbls. Crestmore; 40,000 bbls, Victorville.

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MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Bids will be received by Frank Haynie, Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing supplies as follows:

BID No. 1540 — 400 bronze corner plates, f.o.b. bidder's shipping point, December 7.

BID No. 1541—Miscellaneous steel, f. o.b. Government Island, Dec. 7.

BID No. 1543—Cap screws, nuts, lock washers and cotter keys, f.o.b. bidder's shipping point and/or Chico, December 10.

BID No. 1542—Axe handles, mattock and pick handles and sledge hammer handles, f.o.b. bidder's shipping point, December 12.

Specifications obtainable from above office.

LOS ANGELES COUNTY

LOS ANGELES, Cal.—Uitil 2 P. M., December 10, bids will be received by the Los Angeles County Board of Supervisors for reinforcing steel for the construction of Brand Canyon Debris Dam at the mounth of Brand Canyon, in the City of Glendale. The work involves:

(1) 1400 lbs. 1⅛-in. square deformed
(2) 5800 1-in. same, deformed.
(3) 35,400 1-in. round, deformed.
(4) 20,000⅞-in. round, deformed.
(5) 34,000 ¾-in. round, deformed.
(6) 120,000 ⅝-in. round, deformed.
(7) 850 ½-in. round, deformed.
(8) 32,000 ½-in. round, deformed.
(9) 2300 ⅜-in. square, deformed.
(10) 160 ¼-in round, plain.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board, 501 Hall of Records.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Dec. 10, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270 City Hall, under Bid No. 1301, for furnishing pipe and fittings for the term Jan 1, 1935 to April 30, 1935.

Specifications obtainable from above office.

WAR DEPARTMENT

SACRAMENTO, Cal.—Until December 10, 3 p. m., bids will be received by the U. S. Engineer Office, 208 Postoffice Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. No. 6950/2238-2242, for furnishing and delivering miscellaneous castings, f.o.b. regular wharf, Rio Vista.

Specifications obtainable from the above office.

RECLAMATION SERVICE

BOULDER CITY, Nevada — Until December 27, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 604 for furnishing and delivering f.o.b. cars at the factory shipping point or at Boulder City, Nevada, four motor-driven three-stem cylinder gate hoists, each hoist having a lifting capacity of 500 000 lbs., twelve cast steel lower bulkhead gates for 325 ft. head and twelve cast steel upper bulkhead gates for 175 ft. head, for installation in the intake towers at Boulder Dam, Boulder Canyon Project, Arizona-California-Nevada. All apparatuts will be installed by the Government.

Specifications obtainable from above office without charge to prospective bona fide bidders; to others, $2, not returnable.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., as follows:

NIPPERS and pliers; East and West Yards. Sch. 3819; December 11.

TAPES and rules; East and West Yards. Sch. 3860; December 14.

COPPER, 19,500 lbs. sheet copper and 3600 lbs. sheet and strip brass; East or West Yard. Sch. 3851; December 14.

PUMPS, fuel oil service and booster, lubricating oil service, and spares East and West Yards. Sch. 3857; December 14.

BLADES, 240 doz. hacksaw blades; Mare Island. Sch. 3852; Dec. 14.

STAND, 1 tube stand and support; Mre Island. Sch. 3868; Dec. 14.

SHEETS, brass tube; East and West Yards. Sch. 3871; Decembetr 14.

TAPS, dies, tap, wrenches and die-stocks, East and West Yards. Sch. 3876; December 18.

ADZES, axes, hammers, hatches and sledges; East and West Yards. Sch. 3877; December 18.

HOSE, 200 ft. rubber suction hose; Mare Island. Sch. 3875; Dec. 18.

BITS, wood-boring bits, chisels and knives; East and West Yards. Sch. 3861; Dec. 18.

Specifications obtainable from above office.

CALIFORNIA STATE

SAN FRANCISCO—Until December 10, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211, State Bldg., San Francisco, for the rental of one power shovel of not less than ⅜ cu. yd. capacity for approximately 800 hours. The shovel is to be used in Santa Cruz and Santa Clara Counties.

Specifications obtainable from above office. *

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until December 19, 5:30 P. M., bids will be received by the East Bay Municipal Utility Dist., John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing three vertical shaft turbine pumps of 400 gallons capacity per minute at a head of 410 feet, each to be direct connected to one induction motor to operate on electrical energy of 440 volts, 3-phase, 60-cycle. Proposal No. L.S. 133.

Delivery f.o.b. Corporation Yard, 22nd and Adeline Sts, Oakland. Price to include all taxes.

Specifications obtainable from above office. *

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal.—Until December 7, 2 P. M., bids will be received by Frank Haynie, Supply officer, Forest Service Supply Depot, Government Island, Oakland, under Bid No. 1549, as follows:

(1) 1320 ft. corrugated metal pipe culvert.
(2) 110 band couplings.

Specifications obtainable from the above office. *

ENGINEETRING NEWS

21— BRIDGES

CONTRACT AWARDED

CONTRA COSTA COUNTY, Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $4,891 awarded contract by the State Highway Commission, Sacramento, for the construction of a pedestrian subway in Pittsburgh, Contra Costa County. The subway is to be of reinforced concrete construction, 8-ft. wide, 7-ft. high and 61½-ft. long, with stepped approaches each 26-ft. long.

Complete bids published Nov. 30.

* 21

29—STREETS AND HIGHWAYS

BIDS OPENED

GRANT COUNTY, Wash. — Frank J. Haas, Grandview, Washington, at $106,295 submitted low bid and was awarded contract by the Washington State Highway Commission, Olympia, December 4, for grading and ballasting about 23.1 miles of the County Road, Burke to Neppel, U.S.P.W. Project NRS 217-A, in Grant County The other bids were:

C. L. Creelman, Seattle	$110,184
Kern & Kibbe, Inc., Portland	113,277
Max J. Kuney, Spokane	125,043
Hendricks & Co., Chehalis	137,902
L Romano Engr. Corp., Seattle	187,250
L. J. Dowell, Inc., Seattle	153,177
Clifton & Applegate, Spokane	145,096
Elliott & Co., Inc., Seattle	168,297
L. Coluccio & Co., Seattle	114,887
The Mirene Co., Portland	148,891
Goodfellow Bros., Inc., Wanatchee	129,205
Orino & Nyberg, Spokane	153,478
G. D. Lyon & Co., Spokane	140,556
James Crick, Spokane	126,610
Colonial Constr. Co., Spokane	151,084
Dunn & Baker, Klamath Falls	138,621
Fred G. Redmon, Yakima	138,537
Myers & Goulter, Seattle	144,409
J. D. Harms, Seattle	131,920
Guthrie-McDougall Co., Portland	146,878
Columbia Power & Investment Co., Stevenson, Wash	124,570

CONTRACT AWARDED

WALLA WALLA COUNTY, Wash.—J. H. Collins & Co., Walla Walla, at $10,987 submitted low bid and awarded contract by Washington State Highway Commission, for 0.1 mile paving on State Road No. 3 in the City of Walla Walla. Geo. Harding, Walla Walla, at $11,230 submitted the only other bid. 29

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

SAN FRANCISCO—Until December 20, 2 P. M., bids will be received by the Department of Public Works, San Francisco-Oakland Bay Bridge, Rm. 811, 500 Sansome St., San Francisco, for the construction of the reinforced concrete viaducts, the grading and paving of the streets and all incidental work necessary to complete in all respects, except wiring and fixtures for the lighting of the bridge, the San Francisco section and approaches.

NOTE:—Items (5) and (24) were omitted from previous report.

Contract No. 15—San Francisco Section

(1) Remove buildings and clear site;
(2) 16,000 cu. yds. excav. unclass.;
(3) 10,000 cu. yds. excav., strucs.;
(4) 3700 cu. yds. concrete viaduct and wall footings;
(5) 21,200 cu. yds. concrete—viaducts and walls above footings;
(6) 800 cu. yds. concrete railings;
(7) 4,100,000 lbs. reinforcing steel;
(8) 6600 lbs. bronze castings;
(9) 45,000 lbs. cast iron drain pipe and fittings;
(10) 20,000 lbs. castings;
(11) 6000 lin. ft. 16-in. concrete piles;
(12) 8500 lin. ft. 18-in. do;
(13) 800 lin. ft. 6-in. vitrified clay pipe;
(14) 1000 lin. ft. 8-in. vitrified clay pipe;
(15) 150 lin. ft. 10-in. vitrified clay pipe;
(16) Electrical conduits and fittings;
(17) 4000 bbls. extra Portland cement

Contract No. 15A — San Francisco Approach

(20) Remove buildings and clear site;
(21) 300,000 cu. yds. excav., unclass.;
(22) 4000 cu. yds. excav., strucs.;
(23) 1200 cu. yds. concrete—viaduct and wall footings;
(24) 8000 cu. yds. concrete—viaduct and wall above footings;
(25) 800 cu. yds. concrete—railings;
(26) 3000 cu. yds. concrete—pavement
(27) 400 cu. yds. concrete—curbs and gutters;
(28) 400 cu. yds. concrete—sidewalks;
(29) 2,000,000 lbs. reinforcing steel;
(30) 5000 lbs. bronze castings;
(31) 15,000 lbs. cast iron drain pipe and fittings;
(32) 14,000 lbs. castings;
(33) 4000 lin. ft. 16-in. concrete piles;
(34) 4000 lin. ft. 18-in. do;
(35) 100 lin. ft. 6-in. vitrified clay pipe;
(36) 1000 lin. ft. 8-in. vitrified clay pipe;
(37) 1200 lin. ft. 10-in. vitrified clay pipe;
(38) 2800 tons crusher run base;
(39) 2200 tons asphalt concrete;
(40) Electrical conduits and fittings;
(41) Remove and replace 12-in. x 18-in. brick sewer on Essex St., bet. Harrison and Folsom Sts.
(42) Remove and rebuild 12-in. and 10-in. V.C. sewers on Harrison St., bet. First and Second Sts.;
(43) Remove and replace 12-in. cast iron water main on Harrison St. bet. Second and Essex Sts.
(44) 2200 bbls. extra Portland cement.

Plans and specifications obtainable at the office of the Engineer, 500 Sansome St., upon deposit of $50, of which $40 is returnable.

AWARD AUTHORIZED

SAN FRANCISCO. — State Director of Public Works Earl Lee Kelly has authorized award of contract to the Bridge Builders, Inc., Outer Harbor, Oakland, at $835,000, for the final field painting of all steel superstructure, including cables and attachments of the West and East bay crossings of San Francisco - Oakland Bay Bridge. The award is subject to the final approval of the legal department of the Bay Bridge Commission, 500 Sansome St. San Francisco.

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by H. R. Marsh, Assistant Supply Officer Forest Service Supply Depot, Government Island for furnishing under Invitation No. 1512 fob bidder's shipping point: (1) (a) 12 expansion bearings; (b) three fixed bearings; (c) 15 bed plates, 1½-in. thick; (Alternate 1) (a) 12 expansion bearings, cast steel; (b) 3 fixed bearings, cast steel; (c) 15 bed plates rolled steel, 1½-in. thick; (2) 1 lot superstructure bolts, washers and miscellaneous material.

Shrader Iron Works, San Francisco, (1) $488; (2) $240.

Golden Gate Iron Works, San Francisco, (1) $425; (2) $175.

Kortick Mfg. Co., San Francisco, (1) $ ...; (2) $133.45.

Dyer Bros., San Francisco, (1) $390; (2) $265.

Western Iron Works, San Francisco (1a) $270; (2) $145.

Judson-Pacific Co., San Francisco, (1) $276; (1a) $365; (2) $179.

Pacific Coast Engr. Co., Oakland. (1) $279; (2) $150.

CONTRACT AWARDED

EL DORADO COUNTY, Cal.—J. P. Morton, 3 Cottage St., Placerville, at $3100 submitted low bid and awarded contract by the El Dorado County Board of Supervisors, Placerville, for the construction of a reinforced concrete girder bridge over Deer Creek near Latrobe in Road District No. 3, El Dorado County, and for clearing the ground for the reception of the bridge. The other bids were:

C. K. Fiedler, Sacto.....$3272
M. A. Jenkins, Sacramento..... 3723
Oliver S. Amlie, San Francisco.. 4790

BIDS OPENED

GOVERNMENT ISLAND, Cal.—Following bids received by H. R. Marsh, Assistant Supply Officer Forest Service Supply Depot, Government Island for furnishing under Invitation No. 1511, fob bidder's shipping point, one 200-foot structural steel, continuous beam span:

Pacific Coast Steel Corp., S. F...$1948
Dyer Bros., San Francisco..... 2187
Judson-Pacific Co., S. F..... 2233
Golden Gate Iron Works, S. F.... 2275
Herrick Iron Works, Oakland..... 2448
Schrader Iron Works, S. F..... 2490
Moore Drydock Co., Oakland..... 2670

BIDS WANTED

MONTEREY COUNTY, Cal.—Until December 26, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of a steel bridge with concrete deck across Burns Creek about 46 miles south of Monterey, consisting of one 142-ft. 0-in. deck truss span, two 60-ft. 0-in. plate girder spans, two 50ft. 0-in. plate girder spans and two 30-ft. 0-in. tower spans. The work involves:

(1) 1000 cu. yds. strippings;
(2) 1500 cu. yds. structure excav.;
(3) 835 cu. yds. Class A Portland cement concrete;
(4) 77,000 lbs. bar reinforcing steel;
(5) 585,000 lbs. structural steel;
(6) 2100 lbs. cast steel;
(7) 900 lin. ft. timber railing;
(8) 1 lot miscellaneous items of work.

Plans and specifications obtainable from above office and on file at the office of the District Engineer in San Francisco, Los Angeles and the district in which the work is situated.

PLANNED

PASO ROBLES, Cal.—Overpass to separate grades of Southern Pacific railroad and state highway at Twelfth or Thirteenth Sts. is being considered by City Council for recommendation as a PWA project.

BIDS WANTED

OKANOGAN COUNTY, Washington—Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading, surfacing with crushed stone, and constructing a reinforced concrete girder bridge 438.5 feet long on about 0.8 mile of the Methow Valley Highway, Methow River Bridge and Approaches at Carlton, U.S.P.W. Project NRS 195-C, in Okanogan County.

The work involves about 13,960 cu. yds. excavation; 1940 cu. yds. crushed stone surfacing; 1136 cu. yds. concrete; 218,000 lbs. steel reinforcing bars; 3850 lin. ft. untreated piling; 480 lin. ft. precast concrete piling; 72 lin. ft. culverts and other items.

Plans and specifications obtainable from the above office upon deposit of $2.

CONTRACT AWARDED

SUTTER COUNTY, Calif. — P. F. Bender, 1012 Del Paso Blvd., Sacramento, at $27,023 awarded contract by the State Highway Commission, Sacramento, for the construction of the steel and concrete superstructure and portions of the abutments of a bridge across Tisdale Weir on the highway

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

between Knights Landing and Meridian, Sutter County.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS OPENED

COWLITZ RIVER, Wash.—Columbia Contract Co., 44 SE Salmon St., Portland, at $7,774 submitted low bid to the U. S. Engineer Office, 306 Customhouse, Portland, November 27 under Bid No. 35-288, for grading and riprapping with stone about 1,900 l.f along the banks of the Cowlitz River, Wash., between 1.8 and 7.8 miles above the mouth of the river.

Complete bids follow:

Columbia Contr. Co., Portland	$ 7,774
City Motor Truck Co., Portland	7,820
Portland Dredging Co...	8,510
Columbia Conc. Co., Kelso.....	9,108
Parker-Schram, Portland	11,132
Engineer's estimate	9,729

All bids held under advisement.

23—IRRIGATION PROJ.

LOW BIDDER

ASHUELOT, Mont—Tomlinson Arkwright, Great Falls, Mont., at $44,847 submitted low bid to the Bureau of Reclamation, Fairfield, Montana, under Spec. No. 596, for the construction of earthwork and structures, Mill Coulee Canal, Station 326 to Station 564, and laterals and sub - laterals, Greenfields Division, Sun River Project, Mont. The work is located near Ashuelot, Montana.

24—STREET LIGHTING SYSTEM

BIDS OPENED

HAMILTON FIELD, Marin Co., Cal. —Globe Electric Works, 1899 Mission St., San Francisco, at $5,786 submitted low bid to Constructing Quartermaster, Hamilton Field, for the installation of a night lighting system at Hamilton Field.

Complete bids follow:

Globe Electric Works, S. F....	$5,786
H. S. Tittle, San Francisco.....	6,856
Bennett & Taylor, Los Angeles..	6,842
A. Soda & Son, Oakland.....	7,064

Bids held under advisement.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Cal.—Emsco Derrick & Equipment Co., submitted the low bid at $16,765 to D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, November 27, for furnishing one structural steel switch rack f.o.b. cars Los Angeles, under Spec. No. 1553. The bids were:

Emsco Derrick & Equip. Co., $16,765, net; Pacific Iron & Steel Co., Ltd., $18,805, net; Consolidated Steel Corp., $19,410, net; Pacific Coast Steel Corp., $18,400, net; International Derrick and Equipment Co., $18,080, net.

BIDS OPENED

SAN FRANCISCO. — Pelton Water Wheel Co., 2929 19th St., at $5,725 plus tax submitted low bid to T. A. Brooks Purchaser of Supplies, City Hall, under Bid No. 1297, for furnishing one 66-in. butterfly valve.

Joshua Hendy Iron Works, San Francisco, at $5,985 plus tax, submitted the only other bid.

Bids held under advisement.

LOW BIDDERS

OWYHEE PROJECT, Oregon — J. A. Terteling & Sons, Boise, Idaho, at $123,894 submitted low bid to the Bureau of Reclamation, Ontario, Ore., under Spec. No. 600, for the construction of earthwork and structures, North Canal, Station 2283 to Station 3703, Dead Ox Flat Division, Owyhee Project, Oregon-Idaho.

Morrison - Knudsen Co., Boise, at $136,344.50 submitted second low bid and Haas-Doughty & Jones, San Francisco, at $167,014 submitted third low bid.

CONTRACT AWARDED

LOS ANGELES, Cal.—Peerless Pump Division (Food Machinery Corp.), 1902 E. 67th St., Los Angeles, at $712,450.80 awarded contract by the U. S. Indian Irrigation Service, 751 S. Figueroa St., Los Angeles, for furnishing 30 pumps, motors, and pump houses for the San Carlos Project, F. P. 261, at Coolidge, Arizona.

BIDS OPENED

BISHOP, Cal.—Following bids received by the State Purchasing Agent, Sacramento, November 23, under Quotation 17481 for furnishing one tractor for Bishop:

Brown Bevis Co., $1725 net.

Crook Co., $2032, less $137 discount, 30 days.

J. D. Adams Co., $2085 less 5% 30 days.

CONTRACT AWARDED

BURLINGAME, Calif.—F. A. Lance, 48 Atlas Ave., San Jose, at $28 submitted low bid and awarded contract by W. F. Holbrook, Maintenance Superintendent, Burlingame for rental of one 1/3 c.y. capacity gasoline shovel for approximately 60 days. The other bids were:

Pacific Truck Service, San Jose, $29.50; L. C. Karstedt, Watsonville, $40.00

CONTRACT AWARDED

LOS ANGELES, Cal.—Bowie Switch Co. at $11,066.80 awarded contract by the Los Angeles Water & Power Commission, November 30, for furnishing disconnect switches under Spec. No. 1523. 5

December 4, 1934

BIDS OPENED

EUREKA, Cal.—Identical bids at $2.55 per hour were received by J. W. Vickrey, District Engineer, Eureka, November 30, for the rental of two 2-yd. dump trucks for approximately 1900 hours, from the following: Daniel Gallagher, S. F.; K. N. Dewar, Eureka; Della Rosa Trucking Co., Martinez; Charles Burnside, Glendale; T. O'Brien, S. F.; Garcia Constr. Co., Irvington; John Pisenti, Stockton; W. K. Walker, Crescent City; K. I. Dowdy, Oakland; Gary R. Starkenburg, San Bernardino; Frank O'Shea, S. F.; Hayward Bldg. Material Co., Hayward; Haward Bldg. Supply Co., Hayward; Wm. Colbert, S. F.; and Wm. Kern, Weott.

O. S. Tolbard, Sacramento, bid $2.62 per hour.

The trucks are to be used under power shovels for hauling gravel, slide material, etc., in District I, principally in Humboldt and Del Norte Counties.

Bids held under advisement. 5

BIDS OPENED

EUREKA, Calif.—Paul Entremont, Box 573, Colusa, at $2.48 per hour submitted low bid to J. W. Vickrey, District Engineer, Eureka, November 30, for the rental of two 3-yd. dump trucks for approximately 1900 hours. The trucks are to be used under power shovels for hauling gravel, slide materials, etc., in District I, principally in Mendocino and Lake Counties.

Identical bids at $2.55 per hour were received from the following: Ashurst Bros., Hopland; Daniel Gallagher, S. F.; K. N. Dewar, Eureka; Della Rosa Trucking Co., Martinez; Charles Burnside, Glendale; T. O'Brien, S. F.; Garcia Constr. Co., Irvington; John Pisenti, Stockton; W. K. Walker, Crescent City; K. I. Dowdy, Oakland; Gary R. Starkenburg, San Bernardino; Frank O'Shea, S. F.; Hayward Bldg. Material Co., Hayward; Hayward Bldg. Supply Co., Hayward; Wm. Colbert, S. F.; and Wm. Kern, Weott.

O. S. Tolbard, Sacramento, bid $2.62 per hour; and J. P. Buenaccorsi, Willitts, bid $3.25 per hour.

26— RAILROADS

APPROPRIATION APPROVED

SAN FRANCISCO—The San Francisco Board of Supervisors has approved appropriation of $25,000 for Public Utilities Commission survey of rapid transit and bridge terminal facilities. Edward G. Cahill, general manager of utilities, will direct the survey to determine routes and costs of subway or surface facilities to be constructed by the city.

30—RESERVOIRS & DAMS

BIDS WANTED

SANTA CLARA CO., Calif.—Until Dec. 14, 10:00 A. M., bids will be received by Santa Clara Valley Water Conservation District, Grant Bldg., San Jose, for construction of Almaden Dam, Almaden Spillway, Almaden-Calero Conduit, Calero Dam, Calero Auxiliary Dam and Calero Spillway, with appurtenant works. The dams are earth-fill type with upstream face concrete paved. Almaden Dam will have a crest length of about 500 feet and a maximum elevation of 90 feet. Estimated cost $214,000. Calero Dam will be 900 feet wide at the crest with a maximum height of 93 feet. Estimated cost $339,000.

The conduit extends between the two dams a distance of about 4.5 mi. The work is located about 10 miles from San Jose. Almaden Damsite is on Alamitos or Almaden Creek, a tributary of Guadalupe Creek, about one mile upstream from the town of New Almaden. Calero Damsite is on Calero Creek, a tributary of Alamitos Creek.

Bids will be taken as follows:

I—Almaden Dam and Spillway

(1) 9,500 c.y. stripping for foundation;
(2) 107,500 c.y. spillway excavation, including sorting and compact-in dam;
(3) 137,000 c.y. embankment except from spillway excavation in dam;
(4) 825 c.y. concrete in outlet works;
(5) 88,000 sq. ft. concrete facing on the dam;
(6) 53,000 sq. ft. concrete lining in spillway.
(7) 260,000 lbs. reinf. steel in place;
(8) 4,500 lbs. struc. steel in place;
(9) 690 l.f. 36-in. steel outlet pipe in place;
(10) 500 l.f. 12-in. corru. culvert;
(11) 2,500 l.f. 12-in. half-round drain tile in place;
(12) installation in place in outlet works of one sluice gate, one cast iron reducer, two butterfly valves and their appurtenances, all furnished by the district;
(13) 1 bronze tablet furnished and installed complete.

II—Almaden-Calero Conduit

(14) 75,000 c.y. canal excavation, Sta. 0 plus 85 to Sta. 91 plus 80;
(15) 11,500 c.y. do, Sta. 91 plus 80 to Sta. 120 plus 25;
(16) 5,000 c.y. do, Sta. 120 plus 25 to Sta. 136 plus 00.
(17) 31,500 c.y. do, Sta. 136 plus 00 to Sta. 142 plus 60.

(18) 45,000 c.y. do, Sta. 142 plus 60 to Sta. 233 plus 40.
(19) 1,000 c.y. excav. for misc. struc.
(20) 240 c.y. concrete in do;
(21) 1,550 l.f. 48-in. concrete pipe in place;
(22) 600 l.f. 36-in. do;
(23) two wasteway radial gates complete in place;
(24) 35,000 lbs. reinf. steel in place in misc. struc.;
(25) 8,500 lbs. structural steel do;
(26) four farm bridges.

III—Calero Dams and Spillway

(27) 25,000 c.y. stripping for foundation;
(28) 50,000 c.y. spillway excavation, including sorting and compact-in dam;
(29) 492,000 c.y. embankment except from spillway excavation in dam;
(30) 950 c.y. concrete in outlet works, spillway weir and sill;
(31) 185,000 sq. ft. concrete facing on the dam;
(32) 48,000 sq. ft. concrete lining in spillway;
(33) 340,000 lbs. reinf. steel in place;
(34) 3,500 lbs. structural steel in place
(35) 450 l.f. 36-in. outlet pipe in place;
(36) installation in place in the outlet works of one sluice gate, one butterfly valve, one cast iron reducer and their appurtenances, all furnished by the district;
(37) 1 bronze tablet furnished and installed;
(38) premium on 50% surety and 10% performance bonds.

The district will furnish the following items to be installed by the contractor:
(1) two 42-in. hydraulically operated sluice gates;
(2) two 36x42-inch cast iron special casting flanged reducers for outlet pipes;
(3) 3 30-in. flanged butterfly valves;
(4) 3 30-inch flanged steel discharge pipes;
(5) all necessary fittings.

Specifications and drawings available on deposit of $20.00 from Chief Engineer Fred H. Tibbitts. 1320 Alaska Commercial Bldg., San Francisco.

BIDS WANTED

SANTA CLARA CO., Calif.—Until Dec. 14, 10:00 A. M., bids will be received by Santa Clara Valley Water Conservation Dist., Grant Bldg., San Jose, for construction of Stevens Creek Dam and Spillway. The dam will be an earth-fill structure with concrete facing on the upstream side, 600 feet long at crest, the maximum height 100 feet. Estimated cost, $412,000.

Bids will be taken as follows:
(1) 3000 cu. yds. stripping for foundations;
(2) 122,000 cu. yds. spillway excavation including sorting and compacting dam;
(3) 410,000 cu. yds. embankment except from spillway excavation in place in dam;
(4) 1000 cu. yds. concrete in outlet works, spillway weir and sill;
(5) 165,000 sq. ft. concrete facing in dam;
(6) 73,000 sq. ft. concrete lining in spillway;
(7) 380,00 pounds reinforcing steel in place;
(8) 5500 lbs. structural steel in place;
(9) 635 lin. ft. 50-in. outlet in place;
(10) Installation in outlet works of 2 sluice gates, two cast iron reducers, two butterfly valves and two discharge pipes, all furnished by the District;
(11) 1 bronze tablet furnished and installed complete;
(12) Premium on 50 percent surety & 100 percent performance bonds.

Specifications and drawings available from Chief Engineer Fred H. Tibbetts, 1320 Alaska Commercial Building, San Francisco, upon deposit of $10.00. 30

FUNDS ALLOTTED

STATE OF CALIFORNIA — The Federal Public Works Administration has allotted $25,000 for the construction of about six miles of dikes for the protection of the irrigable lands of the Tule Lake Division of the Klamath Federal Reclamation Project, California.

BIDS WANTED

LOS ANGELES, Cal. — Until December 10, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction of a debris basin in Brand Canyon, Glendale. The work involves:
(1) 0.5 acre clearing;
(2) 1600 cu. yds. stripping;
(3) 62,800 cu. yds. basin excavation, Class A;
(4) 50 cu. yds. basin excav., Class B
(5) 4780 cu. yds. structure excav., Class C;
(6) 30 cu. yds. structure excavation Class D;
(7) 395 cu. yds. cutoff wall excav., Class E;
(8) 105 cu. yds. cutoff wall excav., Class F;
(9) 6500 cu. yds. road excav., Class G;
(10) 600 cu. yds. backfill, tamped or sluiced, Class A;
(11) 9080 cu. yds. backfill, fill, Class B;
(12) 585 cu. yds. mass concrete, Class A;
(13) 260 cu. yds. 6-in. reinforced concrete slabs, Class B;
(14) 1725 cu. yds. structure reinforced concrete, Class C;
(15) 50 lin. ft. drill dowel holes;
(16) 35 lin. ft. place pipe handrail;
(17) 810 lin. ft. place channel fencing;
(18) 3520 lbs. place 4-in. pipe fittings and gate;
(19) 6 catchbasins;
(20) 2 outlet headwalls;
(21) 110 lin. ft. install culverts;
(22) 120,000 mi. yds. overhaul.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway. Mame B. Beatty, Clerk of the Board, 501 Hall of Records.

December 4, 1934

CONTRACT AWARDED

GRAND COULEE DAM, Wash.—Inland Steel Co., 33 S. Clark St., Chicago, at $1,118,400 awarded contract by the Bureau of Reclamation, Denver, Colorado, under Spec. No. 642-D for furnishing 21,000 tons interlocking steel sheet piling for the Grand Coulee Dam, Washington.

CONTRACT AWARDED

PERSHING COUNTY, Nevada—J. A. Terteling & Sons, Boise, at $256,322.50 awarded contract by the Bureau of Reclamation, Lovelock, Nev., under Spec. No. 597, for the construction of the Rye Patch Dam, Humboldt Project, Nevada.

32— SEWERS & SEWAGE DISPOSAL PLANTS

PLANS COMPLETED

LOS ANGELES, Cal.—C. E. Arnold, Los Angeles County Storm Drain Engineer, 7th Floor, Hall of Records, has completed plans and application has been made to the SERA for both labor and materials for constructing the West Altadena Storm Drain, adjacent east and north to the Arroyo Seco, north of Devil's Gate Dam, consisting of 23,835 feet and varying in size from 7-ft. 9-in. by 7-ft. 9-in. to 6 ft. 0-in. by 5-ft. 9-in. box sections and 69 ft. to 24-in. reinforced concrete pipe together with the necessary manholes, catchbasins, connection pipe, etc. The work involves:
(1) 86,670 cu. yds. excavation and timbering;
(2) 52,884 cu. yds. backfill;
(3) 33,876 cu. yds. cleanup;
(4) 6641 cu. yds. concrete and form work;
(5) 747,333 lbs. reinforcing steel;
(6) 18,057 ft. R. C. pipe, 24-in. to 69-in.;
(7) 2712 ft. R. C. pipe, 12-in. to 21-in.
(8) 38 manholes;
(9) 20,130 red common brick;
(10) 3083 tons No. 2 macadam surfacing;
(11) 111 catchbasins;
(12) 52,884 cu. ft. water;
(13) 12,292 bbls. cement;
(14) Miscellaneous petroleum prods.;
(15) 5 tons blacksmith coal;
(16) 142.6 cwt. nails;
(17) Welding supplies;
(18) 1420 lbs. tool and mild steel;
(19) 10½-ton dump truck (rental);
(20) 2 flat rack trucks (rental);
(21) 2 teams, including driver (rental)
(22) 1 roller (rental);
(23) 1 pump and 20-ft. suction hose (rental);
(24) 3 concrete mixers 14S (rental);
(25) 1 concrete mixer 10S (rental);
(26) 244 FBM redwood planking;
(27) 3 tool sheds 16x24 feet;
(28) 2 blacksmith shops, 12x12 ft.
(29) 20 latrines;
(30) 132 FBM lumber (ladders);
(31) 2185 FBM lumber (barricades);
(32) 460 mortar boxes;
(33) 3 blacksmiths;
(34) 5 blacksmith helpers;
(35) 5 clerks;
(36) 9 watchmen.

CONTRACT AWARDED

SAN FRANCISCO — MacDonald & Kahn Co., Ltd., 200 Financial Center Bldg., San Francisco, at $51,189.15 awarded contract by the Department of Public Works, City Hall, for the construction of the Merced Lands sewer, northeast of Lake Merced off Sloat Blvd. Following sub-contracts have been awarded:

Pacific Pavements Co., replacing pavement at 21c per sq. ft.

W. C. Hauck, cut to length and best, f.o.b. job, at $1.3313.

F. G. Nutting, haul, load and burn the joints for 24-in. pipe, at 28c.

CONTRACT AWADED

SAN FRANCISCO, Cal.—Charles A. Bruce & Sons, 531 Railroad Ave., Pleasanton, at $9,487 awarded contract by the Public Utilities Commission, City Hall, for the construction of the Irvington Portal Chlorinating Plant under S. F. Water Department Spec. No. 67.

PLANS COMPLETED

LOS ANGELES, Calif.—C. E. Arnold, Los Angeles county storm drain engineer, 7th floor Hall of Records, has completed plans and application; has been made to the SERA for both labor and materials to be used in connection with the construction of the City Terrace storm drain, consisting of 958 lin. ft. 54-in. reinforced concrete pipe and 7367 lin. ft. 3-in. wide by 3-ft. high to 10-ft. 6-in. wide by 8-ft. high, together with the necessary appurtenant catch basins, intake pipes, hardware, etc. The work involves:
(1) 52,068 cu. yds. excav., including timber work;
(2) 30,875 cu. yds. backfill;
(3) 21,193 cu. yds. cleanup;
(4) 7933 cu. yds. concrete and form work;
(5) 993,154 lbs. placing steel;
(6) 1506 lin. ft. laying reinf. concr. and cement pipe;
(7) 3 manholes.

(8) 1218 tons resurfacing;
(9) lump sum, laying and moving water lines;
(10) 70 cu. yds. riprap;
(11) miscellaneous watchman, blacksmith, etc.;
(12) 298 lin. ft. 12-in. cement pipe;
(13) 158 lin. ft. 15-in. cement pipe;
(14) 92 lin. ft. 18-in. cement pipe;
(15) 958 lin. ft. reinf. concr. pipe (centrifugal spun), 54-in.;
(16) 58,082 sacks cement;
(17) 6369 tons sand;
(18) 9239 tons gravel;
(19) 1,002,027 lbs. reinf. steel;
(20) 7000 lbs. tie wire;
(21) 9600 brick;
(22) 1000 lin. ft. drain tile;
(23) 1218 tons asphalt concrete;
(24) 76 galv. iron manhole steps;
(25) 8 manhole frames and covers;
(26) 19 catch basin frames and covers;
(27) 70 cu. yds. riprap;
(28) 161,000 cu. ft. water;
(29) 3 Calco gates;
(30) 6000 gallons gasoline;
(31) 1400 gallons kerosene;
(32) 100 gallons lubricating oil;
(33) 800 gallons form oil;
(34) 40 lbs. cup grease;
(35) 9 tons blacksmith coal;
(36) 7400 lbs. nails;
(37) 9000 lin. ft. ¾-in. black pipe;
(38) 280 lbs. sheet iron, galvanized;
(39) 44,100 lbs. sheet iron, black;
(40) bolts and washers;
(41) 914 lbs. tool and mild steel;
(42) 89,295 F.B.M. trench lumber;
(43) 169,543 F.B.M. form lumber;
(44) tool sheds and tool boxes;
(45) 8702 F.B.M. lumber and blacksmith shop, including hardware
(46) miscellaneous materials;
(47) 3 mixers (rental), 14S;
(48) 1 mixer (rental), 10S;
(49) 5 pumps, 170 G.P.M.;
(50) 1 12-ton road roller (rental);
(51) 7 1½-ton dump trucks (rental);
(52) 2 1-ton flat trucks (rental);
(53) 2 2-horse teams (rental).

Estimated total cost, $496,836.

PLANS COMPLETED

LOS ANGELES, Cal. — C. E. Arnold, Los Angeles County Storm Drain Engineer, 7th Floor, Hall of Records, has completed plans and application has been made to the SERA for both labor and materials for the construction of the Lomita storm drain, consisting of a reinforced concrete pipe storm drain 15,767 ft. long and varying in size from 3 ft. 6 in. to 6 ft., together with the necessary manholes, catchbasins, etc. The work involves:

(1) 48,207 cu. yds. excav. (including timber work);
(2) 35,540 cu. yds. backfill;
(3) 12,677 cu. yds. cleanup;
(4) 156 cu. yds. concrete and form work;
(5) 18 manholes;
(6) 2583 tons asphalt resurfacing;
(7) Laying and moving water lines;
(8) 17,314 lin. ft. laying reinf. conc. and concrete pipe;
(9) Miscellaneous work;
(10) 235 lin. ft. 12-in. cement pipe;
(11) 155 lin. ft. 15-in. do;
(12) 25 lin. ft. 18-in. do;
(13) 410 lin. ft. 21-in. do;
(14) 1250 lin. ft. 36-in. centrifugal spun reinf. concrete pipe;
(15) 12,500 lin. ft. 48-in. centrifugal spun reinf. concrete pipe;
(16) 2739 lin. ft. 60-in. centrifugal spun reinf. concrete pipe;
(17) 810 lbs. reinf. steel;
(18) 15 lbs. tie wire;
(19) 1549 sacks cement;
(20) 202 tons sand;
(21) 176 tons gravel;
(22) 108 manhole steps;
(23) 18 manhole frames and covers;
(24) 15,750 common brick;
(25) 26 catchbasin frames and cover sets;
(26) Hardware;
(27) 2583 tons asphalt concrete;
(28) 2 tons blacksmith coal;
(29) 87,810 F.B.M. lumber;
(30) 6000 lbs. nails;
(31) 518,400 cu. ft. water;
(32) Tool and mild steel;
(33) 264 lbs. iron sheet;
(34) 1900 gallons kerosene;
(35) 1000 gallons gasoline;
(36) 6 dump trucks (rental);
(37) 2 flat trucks (rental);
(38) 1 road roller (rental);
(39) 3 teams (rental);
(40) 5 pumps.

Estimated total cost, $848,675.

33— WATER WORKS

CONTEMPLATED

NEWPORT BEACH, Cal — R. L. Patterson, City Engineer, and members of the Citizens' Water Committee have recommended to the city council that the city build a water plant on a 34-acre tract on Fairview Ave. and Hunsaker Blvd. at an estimated cost of $121,000. The project involves immediate drilling of a test well, drilling of three wells on plat No. 3, and construction of necessary pipe lines. An alternative plans inalso under consideration. Action has been deferred until December 3 volvong the expenditure of $62,000 is

CONTRACTS AWARDED

GRASS VALLEY, Cal.—The Alpha Stores, Ltd., Grass Valley, at $4,693.28 (delivered on ground, no sales tax) awarded contract by the Grass Valley City Council, for furnishing 2250 ft. 10 inch bell and cast iron pipe; 950 ft. 8 in. do; 50 ft. 6 in. do; miscellaneous fittings, and 3 tons pig lead. The contract for furnishing gate valves was awarded to the Rensselear Valve Co., San Francisco. The bids were opened November 13.

Complete bids follow:

PIPE AND FITTINGS
Alpha Stores, Ltd., Grass Valley, $4,693.28; D. D. Eldridge, Grass Valley, $4,744.20; R. W. Rogers, Grass Valley, $4,794.20; Grinnell Co., San Francisco, $4,631.36.

PIPE AND FITTINGS WITHOUT LEAD
Pacific States C. I. P. Co., San Francisco, $4,512.75; American C. I. P. Co., San Francisco, $4,394.50.

VALVES
Rensselaer Valve Co., San Francisco, $313.60—$260.46; Standard Supply Co., San Francisco, $313.60—$260.46; A. P. Smith Mfg. Co., Berkeley, $574.06—; Mueller Co., San Francisco $313.60—.

CAST IRON PIPE FITTINGS
Enterprise Foundry Corp., San Francisco, $236.00; R. E. Olson Co., Oakland, $262.75.

TO ASK BIDS

TORRANCE, Los Angeles Co., Cal. —Bids will be taken by the Torrance City Council in about two months for the purchase of a booster pumping unit, with a capacity of about 2,000,000 gallons per diem, to be installed in connection with the new well and tank to be located on a tract of land west of Cedar Avenue and north of Torrance Blvd. F. B. Leonard is the city engineer.

CONTRACT AWARDED

NEWBERG, Oregon.—Beall Pipe & Tank Co., 1945 N. Columbia Blvd., Portland, at $12,984 awarded contract by the Newberg ,Oregon, city council. Charles M. Ryan, Recorder, for furnishing 11,720 feet 10-inch diameter metal pipe, either cast iron or steel, and miscellaneous valves and fittings.

The other bids were:

Pure Iron Culvert & Mfg. Co., Portland	$12,231
Crane Co., Portland	12,597
Steel Tank & Pipe Co. Portland	12,984

TO ASK BIDS

TORRANCE, Los Angeles Co., Calif. —Bids will be called by the city council in about two weeks for the construction of a 250,000-gallon elevated steel tank and a 150-ft. steel tower on a tract of land west of Cedar Ave. and north of Torrance Blvd., acquired from the Chanslor Canfield Midway Oil Company.

Specifications are being prepared by F. B. Leonard, city engineer.

34 — PARKS AND PLAYGROUNDS

CONTRACTS AWARDED

SAN FRANCISCO — Veterans Administration awarded the following contracts for furnishing trees and shrubs for the Veterans Administration Facility, Fort Miley, San Francisco:

(1) Trees and shrubs, Walter Hoff, 580 Market St., at $3066.
(2) Do, Golden Gate Nursery, 516 42nd Ave., at $308.
(3) Do, Pacific Nurseries, Colma, at $411.60.
(4) Do, California Nursery, Niles, at $764.60.

CONTRACTS AWARDED

SAN FRANCISCO—Veterans Administration awarded the contract for furnishing 3000 cu. yds. top soil to Devincenzi Bros., 150 Collins St., at $2790 and the contract for furnishing 2000 lbs. peat moss to H. C. Carter Company, at $147.50 for work to be done at the Veerans Adminisraion Facilly, For Miley, San Francisco. Bids for grass seed and native flagstone held under advisement.

BIDS OPENED

SAN FRANCISCO.—M. E. Vukicevich, 666 Mission St., at $5,547 submitted low bid to Department of Public Works for removing field house, wire fencing and back stop at the James Rolph Playground, located on Hampshire St., Army St. and Potrero Ave.

Complete bids follow:

(1) work complete;
(2) deduct if back stop is omitted;
(3) deduction;
(4) deduction;
(5) deduction.

M. E. Vukicevich	(1)	$5,547
	(2)	562
	(3)	224
	(4)	10
	(5)	412
J. Harold Johnson	(1)	$5,588
	(2)	580
	(3)	160
	(4)	70
	(5)	212
Fred. J. Early, Jr.	(1)	$6,300
	(2)	500
	(3)	240
	(4)	110
	(5)	290
E. J. Treacy	(1)	$6,730
	(2)	492
	(3)	200
	(4)	258
	(5)	200

Bids held under advisement.

CONTRACT AWARDED

SAN FRANCISCO — Kamlan Fence Co., 351 Bryant St., San Francisco, at $3339 awarded contract by the Public Utilities Commission, City Hall, for the erection of a wire mesh fence at Lake Honda Reservoir under S. F. Water Department Spec. W. D. 70.

Complete bids published Nov. 28.

BIDS OPENED

HONOLULU, T. H.—Mid-Pacific Establishment, Honolulu, T. H., at $4,735 submitted only bid to the Treasury Department for landscaping the grounds of the U. S. Immigration Station at Honolulu.

CONTRACT AWARDED

SANTA CLARA, Santa Clara Co., Cal.—Santa Clara Lumber Co., Santa Clara, at $1,248 awarded contract by City Council for furnishing galvanized fence and gates for the City of Santa Clara. Identical bids at $1,248 were submitted by the following:

Santa Clara Hardware Co., Santa Clara.

Michel & Pfeffer Iron Works, San Francisco.

Western Steel & Wire Works, San Francisco.

Wayne Iron Works, San Francisco.

H. C. Miller, Santa Clara.

Pacific Fence Const. Co., Los Angeles. *

35— TUNNELS

BIDS REJECTED

SAN FRANCISCO.—All bids received by the Public Utilities Commission, City Hall, Nov. 23, for the construction of Tunnel No. 1-B of the Lower Cherry Aqueduct under Hetch Hetchy Water Supply Contract No. 151, have been rejected as excessive and new bids will probably be called within two weeks.

T. E. Connolly, 461 Market Street, at $98,512 was low bidder.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

SOLANO COUNTY, Calif. — Henry Grimoldi, Bauer Tract, Napa, at $8,008 awarded contract by State Highway Commission, Sacramento, for two miles surfacing with untreated crushed gravel or stone in Solano County between Liberty Island Ferry and a point two miles northerly.

BIDS WANTED

SANTA BARBARA COUNTY.—Until December 17, 2 p. m., bids will be received by the Department of Public Works, Division of Highways, L. H. Gibson, District Engineer, 50 Higuera St., San Luis Obispo, for removing and disposing of trees on 0.6 mile of highway in Santa Barbara County, in Mentocito.

Specifications obtainable from the above office.

NOTICE TO BIDDERS

STATE OF CALIFORNIA — C. H. Purcell, State Highway Engineer, has announced the cost of blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue line prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on Dec. 19:

II-Plu-21-A bridge across the North Fork of Feather River at Rock Creek: Plans: 11 sheets, $1.10; Cross-Sections none, total $1.10.

IV-S.M.-2-D|C between Huron St. and San Pedro Ave. in Daly City: Plans, 17 sheets, $1.70; Cross-Sections 64 sheets, $6.40; total $8.10.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

CONTRACT AWARDED

LEWIS COUNTY, Wash.—Erickson, Johnson and Smith Bros., Naches, Wash., at $3,216 awarded contract by the Bureau of Public Roads, Portland for constructing 2.64 miles of the Mt. Rainier National Park, Stevens Canyon Highway Proj. PEC-4-C2, Clearing, National Park Road Project, located within the Mt. Rainier National Park, Lewis County.

BIDS WANTED

BERKELEY, Alameda Co., Calif.—Until Dec. 11, 10 A. M., bids will be received by the Berkeley City Council for improving one block on East Rose Street between Yolo and Hopkins Sts.

Work involves:

(1) 1600 sq. ft. grading;
(2) 10 cu. yds. grading below subgrade
(3) 1100 sq. ft. 7-in. asph. conc. pave.
(4) 7000 sq. ft. asphalt resurfacing;
(5) 190 lin. ft. curbs and gutters;
(6) 450 sq. ft. sidewalk;
(7) 1 catchbasin;
(8) 1 reconstruct catchbasin;
(9) 8 l.f. 12-in. pipe covering.

Plans and specifications may be obtained from City Engineer upon deposit of $10.00.

BIDS WANTED

LOS ANGELES COUNTY, Cal.—Until December 27, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 1.5 mile of grading and paving with asphalt concrete in the City of Monterey Park, Los Angeles County, between Atlantic Blvd. and New Avenue. The work involves

(1) 79 sta. clear and grub R/W;
(2) 7600 cu. yds. roadway excavation unclass.;
(3) 200 cu. yds. struc. excavation;
(4) 7000 sq. yds. subgrade for pave.;
(5) 14,200 sq. yds. asphaltic paint binder;
(6) 5800 tons asphalt concrete;
(7) 805 cu. yds. Class A Portland cem. conc. (curbs, gutters, sidewalks and driveways);
(8) 25 cu. yds. Class A do (struc.);
(9) 800 lbs. bar rein. steel (struct.);
(10) 2500 lbs. miscellaneous iron and steel structures;
(11) 60 lin. ft. 12-in. standard reinf. concrete pipe;
(12) 60 lin. ft. 18-in. C.M.P.;
(13) 120 lin. ft. 36-in. x 6-in. base part circle C.M.P.;
(14) 16 each raising manholes, complete in place;
(15) 170 cu. yds. concrete removed & disposed of;
(16) 405 tons crushed gravel or stone bituminous treated surfacing.
(17) 22 tons cutback asphalt bituminous treated surfacing;
(18) 125 tons fuel oil;
(19) 15,000 sq. yds. preparing, mixing and shaping shoulders;
(20) 20 tons asphaltic road oil;
(21) 200 tons screenings;
(22) 79 stations finishing roadway.

Plans and specifications obtainable from the State Highway Commission, Sacramento, and on file at the office of the District Engineer in San Francisco and Los Angeles. *

CONTRACT AWARDED

SAN FRANCISCO.—The San Francisco Bureau of Street Repair at $5,889.60 awarded contract by the Department of Public Works, City Hall, for the resurfacing of Market Street between Third and Kearny and Sixth and Taylor Streets.

CONTRACT AWARDED

SUTTER COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1113, Sacramento, at $23,917.75 awarded contract by the State Highway Commission, Sacramento, for about 2.3 miles surfacing with crusher run base in Sutter County, between 3 mi. north of Knights Landing and Robbins.

BIDS WANTED

ISLAND COUNTY, Wash. — Until Dec. 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading, surfacing with crushed stone, constructing a bituminous surface by the road mix method and the application of a dust palliative on about 4.9 miles of the county road, Stanwood to Utsalady, U.S.P.W. Project NRS 218-A, in Island County.

The work involves about 10 acres clearing, 20,890 c.y. excavation, 4,870 c.y. of crushed gravel surfacing, 935 barrels of S. C. No. 2 road oil, 177 barrels of S.C. No. 1 road oil, 624 l.f. pipe culverts, and other items.

Plans and specifications obtainable from the above office upon deposit of $2.00.

CONTRACT AWARDED

SAN JOSE, Santa Clara Co., Cal.—Earl W. Heple, 494 Delmas Ave., San Jose, has been awarded the contract by the Southern Pacific Co., W. K. Kirkbride, Chief Engineer, 65 Market St., San Francisco, for grading the right-of-way between The Alameda and Lick Station on Monterey Road in San Jose. The work involves the moving of approximately 91,000 c.y. of earth. * 29

PLANS APPROVED

PETALUMA, Cal.—The Petaluma City Council has approved plans for widening Main Street at a cost of $9000. The project will be submitted to the State Division of Highways for approval, work to be financed by gas tax allotment.

CONTRACT AWARDED

SACRAMENTO, Cal. — Frank Maloney, 3172 T St., Sacramento, at approximately $2500 awarded contract by the Sacramento Bee for reconstructing sidewalk at 911 7th St.,

BIDS WANTED

KLICKITAT COUNTY, Washington.—Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for surfacing with crushed stone, stockpiling oil rock, and constructing a bituminous mat oy the Bituminous Macadam Method on about 2.7 miles and stockpiling oil rock only for about 3.9 miles of State Road No. 8, Yakima - Klickitat County Line to Reservation Boundary, Federal Land Project No. 3 in Klickitat County.

The work involves about 13,970 cu. yds. crushed stone surfacing; 8440 cu. yds. crushed stone; 981 rock; 235 tons bituminous cement cut-back asphalt RC-4, and other items. Plans and specifications obtainable from the above office upon deposit of $2.

BIDS WANTED

WHATCOM COUNTY, Wash.—Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and retopping portions of the existing pavement with asphaltic concrete on about 4.4 miles of States Road No. 1 (Lake Samish Road District), Bellingham South-Paving, U. S. P. W. Project NRS 191-B, in Whatcom County.

The work involves about 51,570 sq. yds. cement concrete pavement; 41,914 lin. ft. cable guard rail Design No. 6; 1164 tons asphaltic concrete pavement; 306 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

PIERCE COUNTY, Wash. — Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director

of Highways, Olympia, for paving with Portland cement concrete about 1.6 mi. of State Road No. 1, Lakeview to Union Ave., U.S.P.W. Project NRH 171-E, in Pierce County.

The work involves about 13,300 cu. yds excavation; 36 345 sq. yds. cement concrete pavement; 2675 lin. ft. cable guard rail Design No. 5; 717 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

KING COUNTY, Wash.—Until Dec. 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete the unpaved portion between the existing pavements and retopping portions of the exist. pavement with asphaltic concrete on about 1.5 mile of State Road No. 1, East Marginal Way—Paving in the City of Seattle, U.S.P.W. Project NFM 150-E and NRH 150-E, in King County.

The work involves about 5700 cu. yds. excavation; 21,430 sq. yds. cement concrete pavement; 1032 tons of cold asphalt concrete pavement, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

KITITAS COUNTY, Wash.—Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for straightening, widening and deepening the channel of Roslyn Creek in Cle Elum on State Road No. 2, U.S.P.W. Project NRM 114-H, in Kititas County.

The work involves about 1370 cu. yds. excavating; 27 cu. yds. concrete and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

CLARK COUNTY, Wash. — Until December 18, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading and constructing a timber bridge on about 1 6 mile of the Washougal River County Road, Washougal-East, U.S.P.W. Project NRS 214-A, in Clark County.

The work involves about 3 acres clearing; 29 385 cu. yds excavation; 14 M.B.M timber and plank (untreated); 662 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

SAN FRANCISCO — The Department of Public Works, S. J. Hester, Chief Deputy, plans to improve (expediency) Blanch Street, Between Elizabeth and 23rd Sts. Estimated cost, $1200. The work involves:

(1) 150 cu. yds. grading and excavation;
(2) 3900 sq. ft. 6-in. Class E concrete pavement.
(3) 130 sq. ft. asphaltic conc. pavement, consisting of 6-in. Class F concrete base and 2-in. asphalt concrete wearing surface;
(4) 50 lin. ft. granite curb, redressed and reset;
(5) 1 side sewer trap, reset;
(6) 1 street sign, reset.

Plans and specifications obtainable from City Engineer John J. Casey, Room 357 City Hall, upon deposit of $10.

NOTICE TO CONTRACTORS

STATE OF CALIFORNIA — C. H. Purcell State Highway Engineer, has announced the cost of blue prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on December 12 and 19:

To Be Opened December 12

II-Las, Sie-29-E & A, between 2.8 mi. N of the junction Rts. 21 and 29 and the Nevada State Line (PLANS) No. sheets, 25; cost, $2.50; (CROSS-SECTIONS) No. of sheets, 108; cost $10.80; Total $13,30.

II-Plu-21-A bridge across N Fork of Feather River at Tobin (PLANS) No. of sheets, 8, cost, 80c (CROSS-SECTIONS) none; total 80c.

VI-Fre-41 - S Bridge across Kings River (PLANS) No. of sheets, 12; cost, $1.20 (CROSS - SECTIONS) No of sheets, 24; cost, $2.40; total, $3.60.

VI-Fre-4-Tul in Tulare: (PLANS), No. of sheets, 13; cost, $1.30; (CROSS SECTIONS) No. of sheets, 17; cost, $1.70; total, $3.00.

To Be Opened December 19

V-Sbt-22-C-SJB, between Route 2 and San Juan Bautista (PLANS) No. of sheets, 11; cost, $1.10; (CROSS-SECTIONS) No. of sheets, 28; cost, $2.80; total $3.90.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

31—PIPE LINES & WELLS

CONTRACT AWARDED

LA MESA, Cal. — American Concrete & Steel Pipe Co., 4635 Firestone Blvd., South Gate, at $54,717.40 awarded contract by the La Mesa, Spring Valley and Lemon Grove Irrigation District for constructing concrete and steel pipe lines appurtenant to the main pipe line.

31

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY.—Following are additional plan holders for constructing the Monrovia Nos. 1, 2, and 3, and Pasadena tunnels and appurtenant works, in accordance with Specifications No. 77, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 17, 10 a. m., as previously reported:

Guthrie-McDougall Co., 552 Sherlock Bldg., Portland.

Foley Bros., Inc., Chrysler Bldg., New York.

S. S Magoffin, Adrian, Oregon.

Southern Pacific Co., Pacific Electric Bldg., Los Angeles.

Monorail Systems, 1940 Orchid, Los Angeles.

W. A. Bechtel Co., 155 Sansome St., San Francisco.

Ransome Concrete Machinery Co., Dundellan, New Jersey.

Gibbons & Reed Co., 221 E. San Fernando Blvd., Burbank.

Atlas Powder Co., 411 W. 5th St., Los Angeles.

TO ASK BIDS

TORRANCE, Los Angeles Co., Calif. —Bids will be called by the city council in about two weeks for the drilling and casing of an 18-in. well, 700 ft. deep, on a tract of land west of Cedar Avenue and north of Torrance Blvd.

Specifications are being prepared by F. B. Leonard, city engineer.

COMPLETE BID LISTING

OWYHEE PROJECT, Oregon-Idaho. —Following is a complete tabulation of the bids received by the Bureau of Reclamation, Ontario, Ore., Nov. 26, under Spec. No. 598, for the construction of the Malheur River siphon and Dead Ox siphon, North Canal, Dead Ox Flat Division, Owyhee Project, Oregon-Idaho. The work is located about six miles southwest of Ontario.

SCHEDULE NO. 1

Construction of the Malheur River siphon, plate steel pipe design, construction of inlet and outlet structures, piers and anchors excavation of trench for plate-steel pipe; and construction of timber bridge over Nevada ditch:

Puget Sound Machinery Depot, 322 1st Ave. S., Seattle, $53,718.50.

Parker-Schram Co., 515 Couch Bldg. Portland, $64,764.50.

J. A. Terteling & Sons, 2223 Fairview Ave., Boise, $65,214.50.

The Babcock & Wilcox Co., 444 17th St., Denver, $68,163.50.

Morrison-Knudsen Co., 319 Broadway, Boise, $68,525.00.

James J. Burke Co., Kearns Bldg., Salt Lake City, $71,009.30.

Barnard - Curtiss Co., 808 Phoenix Bldg., Minneapolis, $82,887.50.

SCHEDULE NO. 2

Construction of the Malheur River siphon, plate steel pipe design, furnishing and erecting 80-in. pipe with type S1 supporting rings; concrete encasements, and needle valve pier above Elevation 2176.5:

(1) shipment on commercial B/L;
(2) shipment on government B/L.

Consolidated Steel Corp., Ltd., P. O. Box 1348, Arcade Station, Los Angeles, (1) $522,457.00; (2) $.....

Puget Sound Machinery Depot, (1) $565,057.00; $.....

Western Pipe & Steel Co., 444 Market St., San Francisco, (1) $567,111.50; (2) $495,201.50.

The Babock & Wilcox Co., (1) $633,092.47; (2) $555,845.30.

Chicago Bridge & Iron Co., 37 W. Van Buren St., Chicago, (1) $809,264; (2) $683,764.

SCHEDULE NO. 3

Construction of the Malheur River siphon, plate steel pipe design, furnishing and erecting 80-in. pipe with Type S2 supporting rings; concrete encasements, and needle valve pier above Elevation 2176.5:

(1) shipment on commercial B/L;
(2) shipment on government B/L.

Western Pipe & Steel Co., 444 Market St., San Francisco, (1) $567,111.50; (2) $495,201.50.

Puget Sound Machinery Depot, (1) $579,957; (2) $.....

The Babock & Wilcox Co., (1) $639-398.90; (2) $561,772.20.

Chicago Bridge & Iron Co., (1) $827-984; (2) $702,484.00.

SCHEDULE NO. 4

Construction of the Malheur River siphon, precast concrete pipe design, construction of inlet and outlet structures, piers, and anchors; excavation of trench for steel pipe portion of siphon, and construction of the Warm Springs canal crossing at Station 2230 and drain crossing at Station 2201 plus 35:

J. J. Burke & Co.	$36 596.20
Morrison-Knudsen Co.	37,173.00
J. A. Terteling & Sons	37,212.50
American Concrete & Steel Pipe Co., Los Angeles	48,657.50

SCHEDULE NO. 5

Construction of the Malheur River siphon, precast concrete pipe design, excavation of trenches and furnish and install 78-in. precast concrete pipe; construct drains, canal and ditch crossings, blowoff and air valve chambers, and concrete encasements:

(1) shipment on commercial B/L;
(2) shipment on government B/L.

American Concrete & Steel Pipe Co. (1) $561,834.00; (2) $.....

SCHEDULE NO. 6

Construction of the Malheur River siphon, precast concrete pipe design, furnish and erect 80-in. plate steel pipe, Type S1 supporting rings:

(1) shipment on commercial B/L;

(2) shipment on government B/L.

Olson Mfg. Co., Fifth and Front Sts. Boise, (1) $61,732; (2) $.....

The Babock & Wilcox Co., (1) $67,-878.64; (2) $60,681.09.

American Concrete & Steel Pipe Co., (1) $86,412 25; (2) $ .....

Chicago Bridge & Iron Co., (1) $93-905; (2) $82,305.

SCHEDULE NO. 7

Construction of the Malheur River siphon, precast concrete pipe design, furnish and erect 80-in. plate steel pipe, Type S2 supporting rings:

(1) shipment on commercial B/L;

(2) shipment on government B/L.

The Babcock & Wilcox Co., (1) $68-533.64; (2) $61,231.60.

Chicago Bridge & Iron Co., (1) $96-445; (2) $84,845.

SCHEDULE NO. 8

Construction of Dead Ox siphon, construction of inlet and outlet structures, piers and anchors and excavation of trench for steel pipe:

Puget Sound Mchy Depot..	$ 4,993.00
J. A. Terteling & Sons.....	6,051.00
Parker - Schram Co.....	6,535 50
Morrison - Kundsen Co.....	6,681.25
American Conc. & Pipe Co...	9,584.25
J. J. Burke & Co.	10,576.15

SCHEDULE NO. 9

Construction of Dead Ox siphon, furnishing and erecting 70-in. pate steel pipe:

(1) shipment on commercial B/L;

(2) shipment on government B/L.

Consolidate Steel Corp., Ltd., (1) $12,600; (2) $..... .....

Puget Sound Mchy. Depot, (1) $14-150; (2) $.....

Olson Mfg. Co., (1) $18,350; (2) $ .. .

Western Pipe & Steel Co., (1) $15,-000; (2) $17,400.

The Babcock & Wilcox Co., (1) $21,-418.07; (2) $19,447.21.

American Concrete & Steel Pipe Co., (1) $29,122.32; (2) $.....

Chicago Bridge & Iron Co., (1) $30-780; (2) $26,500.

STIPULATIONS

The following stipulations were submitted by the bidders with their bids:

Parker-Schram Co.: Schedule No. 8 not to be considered without Schedule No. 1.

Puget Sound Machinery Depot: Will accept all, 2 or 3, 2 and 9 or 3 and 9, but no other combination.

The Babcock & Wilcox Co.: Will accept 2 or 3, or 2 and 9 or 3 and 9; will only accept 6 or 7 combined with 9. If awarded 1 with 2 or 3 and 9, deduct $4,500.

Morrison-Knudsen Co.: Schedule No. 8 not acceptable without Schedule No. 1 or No. 4.

James J. Burke & Co.: Schedule No. 8 acceptable only in combination with No. 1 or No. 4.

Consolidated Steel Corp., Ltd : Sch. No. 9 not acceptable without Schedule No. 2.

Western Pipe & Steel Co.: Will not accept Schedule 9 without 2 or 3.

Chicago Bridge & Iron Co.: Will not accept Schedule No. 9 alone.

Olson Manufacturing Co.: Will not accept Schedule No. 9 alone.

American Concrete & Steel Pipe Co.: Will accept only Schedule No. 5, or Schedules 4 and 5, or Schedules 5, 6 and 9, or Schedules 4, 5, 6, 8, and 9. If government furnishes steel as listed fob Ontoria, Ore., deduct $192,-400.

A complete tabulation of the unit bids is on file at the office of PACIFIC CONSTRUCTOR.

All bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, apparently submitted the low bid to the Metropolitan Water District, December 4 at a total of $1,749,847 (including a deduction as shown by the stipulations printed below), for constructing monolithic concrete siphons, cut and cover concrete conduit, and appurtenant works of the Colorado River Aqueduct, Station 10812 plus 65 to 12122 plus 00, in accordance with Spec. No. 82. The work is located in Riverside County and comprises approximately 12.8 mi. of aqueduct construction between a point about two miles north of the City of San Jacinto, Calif., located on the A. T. & S. F. Railway and a point about ten miles south of the City of Riverside.

The outlet channel is to have a bottom width of approximately 25 ft. The conduit is to be of semi-elliptical section with heights of about 15.4 ft. Siphons are to be monolithic (cast in place) construction with diameters of about 12.3 feet.

Hunkin-Conkey Const. Co. of Cleveland, Ohio, submitted the lowest bids on five schedules, its total on all the schedules being $1,862,834.80. The total of Griffith Company's bid on each schedule totaled $1,977,098, but with a stipulated 12% deduction on all unit prices for the award of all contracts, or $227,251.76, the latter's bid would be $1,749,847, as stated above.

The total bids on the various schedules were:

SCHEDULE 20A

Hunkin-Conkey Const. Co...$	10,327.80
Griffith Company	13,895.00
S. Pearson, C. O. Sparks & Mundo Engr. Co.....	15,220.00
J. F. Shea Co., Inc.....	18,444.00

SCHEDULE 20B

Hunkin-Conkey Const. Co...$	21,755.00
Griffith Company	28,547.50
J. F. Shea Co., Inc...	33,610.00
Sander Pearson, et al..	34,750.00

SCHEDULE 20C

Hunkin-Conkey Const. Co...$	198,568.00
Sander Pearson, et al..... .	212,830.00
J. F. Shea Co., Inc..... ...	234,900.00
Griffith Company	244,790.00

SCHEDULE 21

Hunkin-Conkey Const. Co...$	319,150.00
Griffith Company	355,746.50
H. M. Baruch Corp., Ltd...	357,580.00
V. R. Dennis Const. Co. & A. Teichert & Son.....	371 079.50
J. F. Shea Co., Inc ...	395,302.50

SCHEDULE 22

Hunkin-Conkey Const. Co...$	145,510.00
H. M. Baruch Corp., Ltd.....	161,350.00
Matich Brothers	168,701.00
Dimmitt & Taylor	185,277.00
Griffith Company	185,714.00
J. F. Shea Co., Inc..... .	195,500.20
V. R. Dennis, et al.....	215,424.00

SCHEDULE 23

West Const. Co.	$1,021,973.00
J. F. Shea Co., Inc...	1,038,218.00
Hunkin-Conkey Const. Co.	1,039,214.50
Morrison-Kundsen Co.....	1,051,325.00
Griffith Company	1,077,235.00
Fredrickson & Watson Construction Co., et al.....	1,089,348.00
Paul J. Tyler	1,101,621.50
V. R. Dennis, et al.....	1,149,889.00

SCHEDULE 23A

Morrison-Knudsen Co.....$	55,300.00
V. R. Dennis, et al.....	61,560.00
Paul J. Tyler	62,590.00
Hunkin-Conkey Const. Co.	68,309.00
West Const. Co.	70,820.00
Griffith Company	71,170.00
J. F. Shea Co., Inc.....	73 820.00
Fredrickson & Watson.....	92,600.00

The bidders, showing their addresses and stipulations, follow:

Griffith Company: 502 Los Angeles Railway Bldg., Los Angeles—bidding on all schedules.

Stipulations are as follows:

Will not accept Schedule 20A alone.

If awarded 20A, 20B, 20C, 21 and 22 together, deduct 6% from all unit prices.

If awarded 20B, 20C, 21 and 22 together without 20A deduct 6% from all unit prices.

If awarded 20A, 20B, 20C, 21, 22, 23 and 23A together, deduct 12% from all unit prices.

If awarded 20B, 20C, 21, 22, 23 and 23A together without 20A, deduct 12% from all unit prices.

If awarded 21, 22, 23, and 23A together without 20A, 20B, and 20C, deduct 7% from all unit prices.

Hunkin-Conkey Const. Co.: Cleveland, Ohio.—bidding on all schedules.

Stipulations are as follows:

Under Schedule 20A bidder stipulates that Schedules 20A, 20B, and 20C will not be accepted except as a whole and then only in conjunction with 21, 22, 23 and 23A, although bidder will accept 20B and 20C without 20A, provided they are awarded 21, 22, 23, and 23A. Under Schedule 21, bidder stipulates that Schedules 21, 22, 23 and 23A will not be accepted except as an award in their entirety. These schedules will not be accepted individually, and only as four jobs in one.

Schedules 20A, 20B, and 20C will not be accepted as an award with 21, 22, 23 and 23A, but only in that instance.

Schedules 21, 22, 23 and 23A will be accepted without 20A, 20B, and 20C.

Fredrickson & Watson Const. Co. & Fredrickson Bros., 873 81st St., Oakland.—bidding on Schedules 23 and 23A.

Stipulations are as follows:

If Schedules 21 and 22 are awarded to Herbert M. Baruch Corp., deduct 35 cents cu. yd. from item 12 (concrete).

Herbert M. Baruch Corp., Ltd., 625 South Olive St., Los Angeles—bidding only on Schedules 21 and 22.

Stipulations are as follows:

Bidder states that he has estimated 21 and 22 as one continuous combined operation. Will not accept 21 or 22 separately. If award is made for combination, the bid is predicated on the completion of either section at the option of the bidder.

If Schedule 23 is awarded to Fredrickson & Watson Const. Co., deduct 40 cents cu. yd. from item 12 (concrete) in both schedules.

V. R. Dennis Const. Co., P. O. Box F, Sta. A, San Diego, and A. Teichert & Son, Inc., P. O. Box 1118, Sacramento.—bidding on Schedules 21, 22, 23 and 23A.

Stipulations are as follows:

Will not accept Schedule 22 alone.

If awarded 21 and 22 together, deduct $1.44 yd. from item 12, in each schedule.

If awarded 21 and 23 together, deduct $.23 yd. from item 12, in each schedule.

If awarded 22 and 23 together, deduct $.20 yd. from item 12, in each schedule.

If awarded 21, 22 and 23 together, deduct $.77 yd. from item 12, in each schedule.

West Const. Co., 615 Richfield Bldg., Los Angeles.—bidding on Schedules 23 and 23A only.

No stipulations.

J. F. Shea Co., Inc., Mecca, Calif.—bidding on all schedules.

Stipulations are as follows:

Will not accept award of 21, 22, 23 and 23A without 20B and 20C.

Will not accept award of 20A without 20B and 20C.

Sander Pearson, C. O. Sparks and Mundo Engr. Co., 2309 East 9th St., Los Angeles.—bidding on Schedules 20A, 20B and 20C.

(Continued on Page 29

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

SUTTER COUNTY — 2.3 MI. SURFACING — (STATE)

SUTTER COUNTY, Cal.—A. Teichert & Son, Inc., P. O. Box 1113, Sacramento, at $23,517.75 submitted low bid to the States Highway Commission, Sacramento, for about 2.3 miles surfacing with crusher run base in Sutter County, between 3 miles north of Knights Landing and Robbins. The work involves:

(1) 125 stations grader work;
(2) 10,000 tons crusher run base;
(3) 315 M. gals. water;
(4) 62 tons fuel oil;
(5) 200 tons crushed gravel or stone (bituminous treated surfacing);
(6) 10 tons cutback asphalt (bituminous do);
(7) 500 cu. yds. imported borrow,

Total bids follow:

(A) A. Teichert & Son, Sacramento, $23,517.75.
(B) J. K. Reeves, Sacramento, $24,795.50.
(C) Pacific States Constr. Co., San Francisco, $24,975.25.
(D) E. A. Forde, San Anselmo, $25,104.50.
(E) Hemstreet & Bell, Marysville, $25,319.70.
(F) Lee J. Immel, Berkeley, $25,887.
(G) Tiffany Constr. Co., San Jose, $29,985.
(H) Southern California Roads Co., Los Angeles, $34,045.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	G)	(H)
(1).....	$10 00	$18.00	$ 7.50	$10.00	$ 8.00	$10.00	$15.00	$15.00
(2).....	2.04	2.00	2.15	2.15	2.18	2.20	2.25	2.90
(3) .	1.25	1.00	.45	1.50	1.50	1.20	2.00	2.00
(4).. ..	12.00	12.75	15.50	11.00	15.60	14.50	15.00	20.00
(5).....	3.60	3.90	4.50	4.00	3.60	4.50	3.00	4.40
(6) .	16.00	16.00	16.00	15.00	16.00	16.00	20.00	17.00
(7).. ..	.50	1.60	.75	.50	.40	.60	1.00	.50

EARP, CALIF. — CAMP UTILITIES — (GOVT.)

EARP, Calif.—R. A. Wattson, 1026 N. McCadden Place, submitted the low bid to the Bureau of Reclamation, Earp, Calif., November 26, at $21,998.88, for Total I., using 6-in. steel pipe, and at $22 368.68 for Total II, using 6-in. transite pipe, for the street, alley, parking area and sidewalk grading; street, parking area and sidewalk surfacing; the construction of curbs, sewer and water systems, drainage channels and an electrical distribution system for the government camp at Parker Dam, Parker Dam Project, California-Arizona, in accordance with Specifications No. 633-1]. The work is located about 16 miles northeast of Earp, Calif. The principal items are:

(1) 500 cu. yds. excav., common, for streets, alleys, parking areas and sidewalks;
(2) 100 cu. yds. excav.—rock—for streets, alleys, parking areas, and sidewalks;
(3) 13,200 cu. yds. excav., common for drainage channels;
(4) 100 cu. yds. excav., rock, for drainage channels;
(5) 400 cu. yds. excav., common for structures;
(6) 75 cu yds. excav., rock for structures;
(7) 100 cu. yds. excav., rock in trenches;
(8) 200,000 sta. cu. yds. overhaul;
(9) 4500 cu. yds. compacting fills;
(10) 200 cu. yds. backfill about struc.
(11) 4525 lin. ft. excav. and backfill of sewer trench not more than 5 ft. deep;
(12) 1600 lin. ft. excav. and backfill of sewer trench more than 5 ft. and not more than 8 ft. deep;
(13) 2300 lin. ft. laying 4-in. diam. sewer pipe, fittings and special;
(14) 2220 lin. ft. laying 6-in. diam. sewer pipe, fittings and specials;
(15) 1620 lin. ft. laying 10-in. diam. sewer pipe, fittings and specials;
(16) 9 each constructing sewer manhole not more than 5 ft. deep;
(17) 10 add. ft. constr. sewer manholes, each additional ft. over 5 ft. deep;
(18) 4000 lin. ft. excav. and backfill of water pipe trench not more than 3 ft. deep;
(19) 1000 lin. ft. excav. and backfill of water pipe trench not more than 4 ft. deep;
(20) 100 cu. yds. excav. common and backfill of water pipe trench, below 4 ft. deep only;
(21) 1460 lin. ft. laying 6-in. diam. steel pipe, fittings, valves and specials;
(21a) 1460 lin. ft. laying 6-in. diam. transite pipe, fittings, valves and specials (Alter. for 21);
(22) 2250 lin. ft. laying 4-in. diam. steel pipe, fittings, valves and specials;
(22a) 2250 lin. ft. laying 4-in. diam. transite pipe, fittings, valves and specials (Alter. for 22);
(23) 150 lin. ft. laying 2-in. diam. galv. steel pipe and fittings for service connections;
(24) 1800 lin. ft. laying ¾-in. diam. galv. steel pipe and fittings for service connections;
(25) 47 each installing ¾-in. corporation cocks;
(26) 47 each installing ¾-in. curb stops and service boxes;
(27) 3 each installing ¾-in. street washers and conn. to water mains
(28) 6 each installing 4-in. fire hydrants and connecting to water mains;
(29) 60 cu. yds. concrete in strucs.;
(30) 2000 lbs. placing reinforcement bars;
(31) 300 cu. yds. riprap;
(32) 150 lin. ft. laying 18-in. diam. cor. metal pipe;
(33) 90 lin. ft. laying 12-in. diam. corr. metal pipe;
(34) 60 lin. ft. furnishing casing and drilling and casing water supply well;
(35) all lump sum constr. pump house except concrete;
(36) all lump sum installing deep-well and booster pumps;
(37) 20 cu. yds. sand and gravel base for water tank;
(38) 3400 lin. ft. timber curbs;
(39) 10,160 sq. ft. sidewalks;
(40) 4380 sq. yds. street surfacing;
(41) 1150 sq. yds. alley and parking area surfacing;
(42) all lump sum installing electrical distributing system.

Total bids were:

(A) R. A. Wattson, Los Angeles—Total I, $21,998.88; II, $22,368.68.

December 5, 1934

COMPLETE BID LISTING

NYE COUNTY, Nev. — Dodge Construction, Inc., Fallon, at $63,630.54, as previously reported, submitted low bid and awarded contract by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Carson City, Nov. 27, for the construction of a portion of the State Highway System in Nye County bet. Calloways and Currant, Route 4, Section D3, a length of 6.16 miles.

Total bids follow:

(A) Dodge Construction, Inc., Fallon, $63,630.54.
(B) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $65,979.32.
(C) Nevada Rock & Sand Co., Reno, $67,191.25.
(D) Utah Const. Co., Ogden, $67,192.80
(E) Engineer's estimate, $60,816.62.

Unit quantities follow:

(1) 7,520 l.f. remove fence;
(2) 658 l.f. remove culvert pipe;
(3) 58 each remove culvert headwalls
(4) 39,200 c.y. roadway excavation;
(5) 26,750 sta. yds. overhaul;
(6) 23,452 c.y. select borrow;
(7) 1,050 c.y. structure excavation;
(8) 6.16 miles subgrade;
(9) 6,16 miles finish roadway;
(10) 24,600 tons crush. gravel or stone surface;
(11) 73 c.y. Class A concrete;
(12) 69 c.y. Class B concrete;
(13) 9,000 lbs. reinforcing steel;
(14) 9 MFBM redwood;
(15) 134 l.f. 15-in. CMP;
(16) 892 l.f. 18-in. CMP;
(17) 274 l.f. 24-in. CMP;
(18) 240 l.f. 30-in. CMP;
(19) 612 l.f. relay culvert pipe;
(20) 148 each monuments;
(21) 1,591 l.f. construct fence;
(22) 7,395 l.f. reconstruct fence;
(23) force account, misc. items;
(24) 53 sq. yds. asphaltic plank.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ .03	$ .05	$ .05	$ .02	$ .07
(2)	.75	.50	.50	.30	.75
(3)	5.00	10.00	10.00	5.00	7.50
(4)	.40	.52	.86	.50	.49
(5)	.03	.03	.03	.04	.02
(6)	.42	.35	.60	.40	.40
(7)	1.50	1.00	1.50	1.50	1.25
(8)	100.00	100.00	100.00	100.00	100.00
(9)	150.00	100.00	150.00	200.00	100.00
(10)	.80	.80	.75	.75	.70
(11)	25.00	30.00	30.00	30.00	30.00
(12)	25.00	30.00	32.00	28.00	30.00
(13)	.08	.07	.08	.10	.07
(14)	130.00	100.00	130.00	120.00	125.00
(15)	1.75	1.50	2 25	2.00	1.50
(16)	2.00	2.00	2.75	2.50	2.00
(17)	3.00	3.00	3.50	3.50	3.00
(18)	3.50	3.50	4.00	4.50	4.00
(19)	.75	.60	1.00	1.00	1.00
(20)	3.00	3.00	3.00	3.00	3.50
(21)	.20	.12	.15	.10	.12
(22)	.12	.10	.12	.08	.10
(23)	2000.00	2000.00	2000 00	2000.00	2000.00
(24)	5.00	3.60	4.00	3.50	3.00

(B) Bennett & Taylor, Los Angeles—I, $22,393.90; II, $22,490.60.
(C) Miracle Co., San Diego—I, $23,311.96; II, $22,781.21.
(D) P. S. Webb Earp—I $27346.10; II, $27,316.90.
(E) Case Constr. Co., Alhambra—I, $37,426.55; II, $37,389.45.
(F) John L. Kruly, Los Angeles—I, $37,572.25; II, $37,943.25.
(G) Geo. J. Bock Co., Los Angeles—I, $39,527.30; II, $39,956.70.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ .24	$ .50	$ .52	$ .50	$ .50	$ .60	$ .80
(2)	.48	2.50	.65	1.00	1.90	1.00	2.00
(3)	.27	.27	.39	.65	.50	.75	.60
(4)	.48	4.50	1.95	3.50	1.90	1.00	1.50
(5)	.60	1.00	.65	.75	1.00	1.00	1.00
(6)	1.20	6.00	3.90	4.50	1.90	4.00	3.00
(7)	1.80	4.50	3.90	5.00	1.90	1.008	4.00
(8)	.012	.0125	.013	.03	.01	.0110	.02
(9)	.15	.15	.104	.07	.25	.36	.15
(10)	.12	1.00	.39	.20	.50	.20	.40
(11)	.37	.12	.13	.10	.25	.75	.30
(12)	.58	.16	.26	.15	.40	1.00	.50
(13)	.14	.10	.065	.06	.13	.25	.24
(14)	.14	.11	.078	.08	.20	.35	.48
(15)	.28	.14	.325	.13	.32	.50	.75
(16)	30.00	30.00	16.25	25.00	65.00	100.00	50.00
(17)	6.20	5.00	3.90	5.00	10.00	10.00	8.00
(18)	.22	.08	.078	.10	.23	.50	.20
(19)	.24	.08	.104	.12	.23	.60	.24
(20)	1.00	2.00	.39	.75	.75	1.00	1.00
(21)	.17	.15	.455	.08	.20	.25	.16
(21a)	.30	.17	.13	.06	.19	.35	.30
(22)	.12	.11	.065	.06	.13	.20	.12
(22a)	.20	.14	.04	.06	.12	.30	.22
(23)	.07	.30	.065	.06	.20	.20	.12
(24)	.06	.18	.065	.05	.08	.10	.08
(25)	2.25	2.00	.325	.50	1.75	2.00	1.50
(26)	3.50	1.50	.325	.30	1.40	1.00	1.50
(27)	10.00	4.00	2.60	2.00	3.25	5.00	4.00
(28)	11.00	18.00	23.40	5.00	10.00	20.00	20.00
(29)	11.10	9.00	15.60	11.50	22.50	19.00	22.00
(30)	.035	.10	13.00	.05	.01	.015	.02
(31)	4.20	3.00	3.00	3.50	2.00	3.60	2.50
(32)	.50	.06	.325	.25	.30	1.00	.75
(33)	.50	.05	.26	.20	.30	1.00	.55
(34)	7.40	12.00	15.00	8.00	27.50	15.00	20.00
(35)	120.00	150.00	75.00	90.00	125.00	150.00	300.00
(36)	150.00	150.00	195.00	75.00	250.00	150.00	500.00
(37)	8.00	4.00	3.90	3.00	10.00	5.00	5.00
(38)	.024	.20	.052	.025	.17	.144	.10
(39)	.053	.09	.065	.05	.21	.09	.11
(40)	.80	.90	1.17	.90	2.30	.55	1.80
(41)	.65	.50	.052	.50	1.41	.35	1.10
(42)	500.00	800.00	755.00	350.00	1600.00	950.00	2500.00

MARICOPA CO., Ariz.—Bridge Constr. & Paving—(State)

MARICOPA CO., Arizona.—Clinton Campbell, 90 W. Moreland Avenue, Phoenix, was awarded contract by the Arizona State Highway Commission, Phoenix, Nov. 21, at $5829, for highway construction on the Tempe-Mesa Highway, NRH 8 (1935). The work, which is located about three miles due west of Mesa, consists of widening one concrete bridge, replacing another concrete bridge with C. M. P. and concrte pavement slab, and widening roadway shoulders, and is to be completed on or before Jan. 31. The items and approximate quantities are:

ROADWAY

(1) 39 cu. yds. rdwy. excav., unclass.
(2) 8 cu. yds. structural do;
(3) 1825 cu. yds. imported borrow, (CIP);
(4) 20 M. gals. sprinkling (CIP);
(5) 16 hours rolling;
(6) 3 cu. yds. Class A concrete (including cement);
(7) 124 lbs. reinf. steel bars (CIP);
(8) 46 sq. yds. 6-in. conc. pave. (CIP)
(9) 96 lin. ft. 30-in. CMP (CIP, including bands);
(10) 16 lin. ft. resetting 30-in. CMP (CIP inc. all material and work)
(11) 35 cu. yds. removal of concrete slab at Sta. 162 plus;

Structures Over 20-ft. Clear Span

(12) 145 cu. yds. structural excavation (unclassified);
(13) 104 cu. yds. Class A concrete (including cement);
(14) 7020 lbs. reinf. steel bars (CIP);
(15) 10 cu. yds. removal of old conc.

The total bids were:
(A) Clinton Campbell Contractors, Inc. $5,828.89.
(B) K. DeWitt, Mesa, Ariz., $6061.83.
(C) Del E. Webb Const. Co., Phoenix, $6516.08.
(D) R. C. Tanner-W. E. Hall Co., Phoenix, $7097.67.
(E) R. E. Martin and Co., Tucson, $7694.50.
(F) Phoenix-Tempe Stone Co., Phoenix, $7,902.40.
(G) Wm. Peper Const. Co., Phoenix, $9220.08.

The unit bids were:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1)	$ 1.50	$ .80	$ .50	$ 1.00	$ 1.00	$ 2.25	$ 1.00
(2)	1.50	.80	1.00	1.00	2.00	2.50	2.00
(3)	1.10	1.25	1.50	1.25	2.00	1.15	2.50
(4)	2.75	2.50	2.00	1.50	2.00	2.00	3.00
(5)	3.50	5.00	5.00	3.00	4.00	3.50	5.00
(6)	27.00	20.00	20.00	27.00	25.00	35.00	25.00
(7)	.06	.07	.07	.055	.10	.10	.07
(8)	3.00	3.50	2.00	3.00	3.00	3.50	2.00
(9)	3.20	3.40	3.00	3.00	3.00	3.75	5 00
(10)	2.50	1.75	1.00	4.00	5.00	2.00	2.00
(11)	5.00	4.00	10.00	5.00	5.00	5.00	5 00
(12)	2.00	1.50	1.00	2.50	1.50	2.50	2.50
(13)	20.65	20.00	20.00	30.00	22.00	35.00	25.00
(14)	.0575	.07	.07	.055	.08	.10	.07
(15)	5.00	10.00	10.00	7.00	5.00	5.00	10.00

31—PIPE LINES & WELLS

Stipulations are as follows:

Will not accept Schedule 20A unless awarded 20B and 20C.

Paul J. Tyler, P. O. Box 206, Oroville, Calif.—bidding only on Schedules 23 and 23A.

No stipulations.

Morrison-Knudsen Co., 411 W. 5th St., Los Angeles.—biddnig on Schedules 23 and 23A only.

No stipulations.

Matich Bros., Elsinore, Calif.—bidding only on Schedule 22.

No stipulations.

Dimmitt & Taylor, 815 East 59th St., Los Angeles.—bidding on Schedule 22 only.

No stipulations.

SCHEDULE 20A

Construction of one portion of a circular siphon and appurtenant works between Stations 10812+65 and 10987+00. Diameter 12 ft. 4-in.; total length 143 feet.

(1) 9000 cu. yds. excav. for siphon—common;
(2) 1000 cu. yds. excav. for siphon—rock;
(3) and (4) Do not apply here;
(5) 5 cu. yds. excav. for structures—common;
(6) and (7) Do not apply here;
(8) 1000 cu. yds. backfill for siphon;
(9) to (11) Do not apply here;
(12) 160 cu. yds. concrete in siphon;
(13) 220 cu. yds. concrete in struc.—reinforced;
(14) to (16) Do not apply here;
(17) 20,000 lbs. placing reinf. steel in siphon;
(18) 30,000 lbs. placing reinf. steel in structures;
(19) to (29) Do not apply here;
(30) 1100 lbs. placing hand railings;
(31) Does not apply here;
(32) 100 ton-miles hauling steel;
(33) 300 ton-miles hauling cement.

Hunkin-Conkey Const. Co.....$10,327.80
Griffith Company 13,895.00
Sander Pearson, C. O. Sparks Mundo Engr. Co..... 15,220.00
J. F. Shea Co., Inc..... 18,444.00

SCHEDULE 20B

Construction of one portion of a circular siphon and appurtentnt works between Stations 10812+65 and 10987+00. Diameter 12 ft. 4 in.; length 658 feet.

(1) 17,000 cu. yds. excav. for siphon—common;
(2) 500 cu. yds. excav. for siphon—rock;
(3) to (7) Do not apply here;
(8) 5000 cu. yds. backfill for siphon;
(9) 600 cu. yds. compacted backfill for structures;
(10) to (11) Do not apply here;
(12) 1250 cu. yds. concrete in siphon;
(13) Does not apply here;
(14) 40 cu. yds. concrete in structures—plain;
(15) to (16) Do not apply here;
(17) 150,000 lbs. placing reinf. steel in siphon;
(18) to (31 Do not apply here;
(33) 1000 ton-miles hauling cement.
(33) 1000 tin-mile hauling cement.

Hunkin-Conkey Const. Co.....$21,755.00
Griffith Company 28,547.50
J. F. Shea Co., Inc..... 33,610.00
Sander Pearson, et al..... 34,750.00

SCHEDULE 20C

Construction of a circular monolithic siphon and appurtenant works, between Stations 10812+65 and 10987+00. Siphon diameter 12 ft. 4 in.; total length 7000 feet.

(1) 110,000 cu. yds. excav. for siphon—common;
(2) to (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon
(9) 700 cu. yds. compacted backfill for structures;
(10) to (11) Do not apply here;
(12) 13,600 cu. yds. concrete in siphons

(13) 15 cu. yds. concrete in structures —reinforced;
(14) 70 cu. yds. concrete in structures —plain;
(15) and (16) Do not apply here;
(17) 2,000,000 lbs. placing reinf. steel in siphon;
(18) 2000 lbs. placing reinf. steel in structures;
(19) and (20) Do not apply here;
(21) 6000 lbs. installing misc. steel work;
(22) to (31) Do not apply here;
(32) 5000 ton-miles hauling steel;
(33) 15,000 ton-miles hauling cement.

Hunkin-Conkey Const. Co..	$198,568.00
Sander Pearson, et al..	212,830.00
J. F. Shea Co., Inc....	234,900.00
Griffith Company	244,780.00

SCHEDULE 21

Construction of three circular monolithic siphons and appurtenant works between Stations 11128+75 and 11431+25. Diameter 12 ft. 4 in.; total length 14,585 feet.

(1) 242,000 cu. yds. excavation for siphons—Common;
(2) 1200 cu. yds. excav. for siphons—rock;
(3) and (4) Do not apply here;
(5) 125 cu. yds. excav. for structures common;
(6) 15 cu. yds. excav. for structures, rock;
(7) 1500 cu. yds. grading for railroad
(8) 150,000 cu. yds. backfill for siphons;
(9) 2500 cu. yds. compacted backfill for structures;
(10) and (11) Do not apply here;
(12) 26,650 cu. yds. concrete in siphons;
(13) 1275 cu. yds. concrete in structures, reinforced;
(14) 505 cu. yds. concrete in structures, plain,
(15) and (16) Do not apply here;
(17) 4,000,000 lbs. placing reinf. steel in siphons;
(18) 160,000 lbs. placing reinf. steel in structures;
(19) and (20) Do not apply here;
(21) 40,000 lbs. installing miscellaneous metal work;
(22) to (29) Do not apply here;
(30) 6600 lbs. placing handralling;
(31) Does not apply here;
(32) 2500 ton-miles hauling steel;
(33) 8000 ton-miles hauling cement;

Hunkin-Conkey Const. Co....	$319,150.00
Griffith Company	355,746.50
H. M. Baruch Corp., Ltd.....	357,580.00
V. R. Dennis, et al....	371,079.50
J. F. Shea Co., Inc....	395,302.50

SCHEDULE 22

Construction of one circular monolithic siphon and appurtenant works, between Stations 11551+99 and 11623+25: Siphon diameter 12 ft. 4 inches; total length 7225 feet.

(1) 110,000 cu. yds. excav. for siphon, common;
(2) 500 cu. yds. excavation for siphon rock;
(3) and (4) Do not apply here;
(5) 10 cu. yds. excav. for structures, common;
(6) and (7) Do not apply here;
(8) 65,000 cu. yds. backfill for siphon
(9) to (11) Do not apply here;
(12) 12,760 cu. yds. concrete in siphon
(13) 450 cu. yds. concrete in structures, reinf.; structures;
(19) and (20 Do not apply here;
(21) 16,000 lbs. installing miscellaneous metal work;
(22) to (29) Do not apply here;
(30) 2200 lbs. placing hand railings;
(31) Does not apply here;
(32) 2000 ton-miles hauling steel;
(33) 7500 ton-miles hauling cement

Hunkin-Conkey Const. Co. ...	$145,510.00
H. M. Baruch Corp., Ltd.....	161,350.00
Matich Brothers	168,701.00
J. F. Shea Co., Inc....	195,500.20
Griffith Company	185,714.00
Dimmitt & Taylor	185,277.00
V. R. Dennis, et al....	215,424.00

CONTRA COSTA CO. — Pedestrian Subway — (State)

CONTRA COSTA CO., Cal.—Lee J. Immel, 1031 Evelyn St., Berkeley, at $4,891 submitted low bid to the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Building, San Francisco, for the construction of a pedestrian subway in Pittsburg, Contra Costa County. The subway will be of reinforced concrete construction, 8-ft. wide, 7-ft. high and 61½-ft. long with, stepped approaches each 26-ft. long.

The work involves:

(A) Lee J. Immel, Berkeley, $4,891.00.
(B) Independent Const. Co., Ltd., Oakland, $5,114.50.
(C) Oliver S. Almlie, San Francisco, $5,164.40.
(D) J. J. Ongaro and A. H. Siemer, San Anselmo, $5,311.70.
(E) Albany Cement Contractors, Albany, $5,543.50.
(F) Bundesen & Lauritzen, Pittsburg $5,580.33.
(G) John Carcano, San Rafael, $5,620.25.
(H) A. Soda & Son, Oakland, $5.984.98.
(I) A. T. Howe, Santa Rosa, $6,112.00.
(J) Theo. Johanns, San Francisco, $6-214.50.

Unit bids follow:

(1) 1 lot trees and fence removed and disposed of;
(2) 12 cu. yds. concrete removed and disposed of;
(3) 1 concrete catchbasin moved and reset;
(4) 535 cu. yds. structural excava.;
(5) 120 lin. ft. 6-in. vitrified clay pipe;
(6) 114 cu. yds. Class A Portland cement concrete in place (structures);
(7) 5 cu. yds. Class A Portland cement concrete in place (curbs and sidewalks);
(8) 11,500 lbs. bar einforcing steel in place;
(9) 350 lbs. sheet copper strips in place;
(10) 4 cast iron floor drains in place;
(11) 1 lot electrical equipment, complete in place;
(12) 1 automatic electric pump, complete in place;
(13) 122 lin. ft. ornamental iron fence in place;
(14) 32 tons asphaltic concrete in place.

Total bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$20.00	$15.00	$120.00	$50 00	$10.00	$25.00	$15.00	$35.00	$100.00	$50.00
(2)	4.00	2.00	4.50	3.00	5.00	2.50	1.50	6.60	12 00	5.00
(3)	35.00	25.00	15.00	25.00	40.00	150.00	25.00	20.00	25.00	20.00
(4)	1.00	.90	.60	1 00	.70	1.25	1.50	1.28	1.10	1.00
(5)	.70	.60	.75	.70	2.00	1.44	.50	.75	1 00	.50
(6)	18.00	19.50	23.50	19.50	23.00	22.00	21.00	23.40	23.00	26.00
(7)	13.00	20.00	20.00	25 00	25.00	15.00	21.00	23.50	20.00	16.00
(8)	.05	.045	.055	.05	.04	.049	.0475	.055	05	.075
(9)	.34	.35	.25	.35	.30	.41	.60	.35	.25	.35
(10)	8.00	8.00	5.85	15.00	15.00	19.50	5.00	8.00	10.00	15.00
(11)	400.00	500.00	390.00	500.00	450.00	486.80	350.00	435.00	500.00	437.00
(12)	150.00	130.00	135.00	140.00	125.00	130.00	175.00	110 00	200.00	125.00
(13)	4.00	4.00	2.90	4.10	4.00	2.59	4.75	4.64	5.00	4.25
(14)	9.00	12.00	5.10	10.50	12.00	11.50	10.00	12.50	12.50	10.00

SAN FRANCISCO—University Mound Pipe Line—(City)

SAN FRANCISCO. — M. J. Lynch, Oakdale and Barnevald Avenues, at $89 365 (Section A), and Sibley Grading & Teaming Co., Ltd., 165 Landers St., at $133 494.50 (Section B) submitted low bids to the Public Utilities Commission, City Hall, for laying the University Mound Pipe Line Completion from Brannan Street to Broadway in San Francisco, under Spec. W. D. 65, Revised.

Sibley Grading & Teaming Co., at $236,820.30 submitted low bid on Sections A and B.

Bids were taken as follows:

	Sect. "A"	Sect. "B"	Sections "A" & "B"
(1) Removal and delivery of 36-inch pipe from Newark-San Lorenzo pipe line to San Francisco.....	5,640	.....	5,640 lin. ft.
(2) Removal of lining and coating from 36-inch diameter pipe.....	5,640	.....	5,640 lin. ft.
(3) Repairing holes in 36-in. diameter pipe	7	.....	7 holes
(4) Relining and recoating 36-in. diameter pipe with Single Standard wrapping	6,300	.....	6,300 lin. ft.
(5) Relining and recoating 36-in. diameter steel pipe with Double Standard wrapping	500	.....	500 lin. f.t
(6) Fabrication, lining and coating of 30-in. dia. steel pipe with Single Standard wrapping	.....	6,000	6,000 lin. ft.
(7) Fabrication, lining and coating of 30-in. dia. steel pipe with Double Standard wrapping	.....	1,000	1,000 lin. ft.
(8) Fabrication of bends from 36-in. diameter steel pipe	45	.....	45 R'about s'ms
(9) Fabrication of bends from 30-in. diameter steel pipe	.....	105	105 R'about s'ms
(10) Excavation and backfill of normal trench not over 6-ft. below street surface, for 36-in. diameter pipe	6,600	.....	6,600 lin. ft. pipe
(11) Do, for 30-in. diameter pipe.....	.....	6,900	6,900 lin. ft. pipe
(12) Additional excavation and backfill for trench from street surface to 8-ft. below street surf.....	700	1,000	1,700 cu. yds.

(13) Do for trench over 8-ft. below	200	500	700 cu. yds.
(14) Additional pavement removal and replacement	2,000	2,000	4,000 sq. ft.
(15) Installation of 36-in. dia. pipe	6,600	.....	6,600 lin. ft. pipe
(16) Installation of 30-in. dia. pipe	.....	6,900	6,900 lin. ft. pipe
(17) Installation of fittings	20,000	35,000	55,000 pounds
(18) Repavement, asphaltic concrete	23,000	23,600	46,600 sq. ft.
(19) Do, basalt blocks on concrete	600	400	1,000 sq. ft.
(20) Do, basalt blocks on sand	3,600	1,000	4,600 sq. ft.
(21) Maintenance of Harrison St.	Lump sum		Lump sum

Total bids follow:

SECTION "A"

(A) M. J. Lynch, S. F. ..... $ 89,365.00
(B) Sibley Grading & Teaming Co., S. F. 103,325.80
(C) Barrett & Hilp, S. F. 127,882.00

SECTION "B"

(A) Sibley Grading & Teaming Co., S. F. $133,494.50
(B) Robt. B. McNair and H. Gould, Oakland 143,073.50
(C) Barrett & Hilp, S. F. 238,380.00

SECTIONS "A" and "B"

(A) Sibley Grading & Teaming Co., S. F. $236,820.30
(B) Robt. B. McNair and H. Gould, Oakland 262,976.50
(C) Lindgren & Swinerton, San Francisco 276,943.40
(D) Barrett & Hilp, S. F. 361,132.00

Unit bids follow:

SECTION "A"

	(A)	(B)	(C)
(1)	$ 1.00	$ 1.70	$ 1.00
(2)	.50	.62	.90
(3)	20.00	12.00	8.00
(4)	2.00	2.25	2.70
(5)	2 50	3.00	3.30
(6)	.....	.....	.....
(7)	.....	.....	.....
(8)	25.00	30.00	50.00
(9)	.....	.....	.....
(10)	6.00	5.85	9.00
(11)	.....	.....	.....
(12)	5.00	10.00	6.50
(13)	8.00	20.00	15.50
(14)	.40	.50	.45
(15)	1.30	1.60	2.50
(16)	.....	.....	.....
(17)	.08	.12	.055
(18)	.30	.29	.30
(19)	.40	.29	.40
(20)	.20	.13	.35
(21)	2250.00	2250.00	2250.00

SECTION "B"

	(A)	(B)	(C)
(1)	$	$	$ .....
(2)	.....	.....	.....
(3)	.....	.....	.....
(4)	.....	.....	.....
(5)	.....	.....	.....
(6)	5.69	5.20	7.00
(7)	6.19	5.70	8.00
(8)	.....	.....	.....
(9)	22.50	27.50	52.00
(10)	.....	.....	.....
(11)	6.50	8.40	18.50
(12)	10.00	4.20	8.25
(13)	20.00	8.00	21.00
(14)	.50	.455	.55
(15)	.....	.....	.....
(16)	1.98	3.94	3.50
(17)	.12	.10	.07
(18)	.29	.225	.35
(19)	.29	.30	.40
(20)	.13	.10	.42
(21)	.....	.....	.....

SECTIONS "A" and "B"

	(A)	(B)	(C)	(D)
(1)	$ 1.70	$ 1.00	$ .66	$ 1.00
(2)	.62	.95	.95	90.00
(3)	12.60	10.00	10.00	8.00
(4)	2.25	2.40	2.70	2.70
(5)	3.00	2.92	2.92	3.30
(6)	5.69	5.00	6.30	7.00
(7)	6.19	5.50	6.45	8.00
(8)	30.00	30.00	34.00	50.00
(9)	22.50	27.50	34.00	52.00
(10)	5.85	7.90	6.30	9.00
(11)	6.50	8.40	6.15	18.50
(12)	10.00	4.20	3.00	7.56
(13)	20.00	8.00	6.00	19.40
(14)	.50	.455	.37	.50
(15)	1.60	3 75	6.00	2.50
(16)	1.98	3.94	6.00	3.50
(17)	.12	.10	.11	.06
(18)	.29	.225	.32	.22
(19)	.29	.30	.21	.40
(20)	.13	.10	.11	.36
(21)	2250 00	2250.00	2250.00	2250.00

The work is financed in part by Federal PWA funds and will be subject to PWA regulations. All bids held under advisement.

SCHEDULE 23

Construction of cut-and-cover conduit and appurtenant works, between Stations 11074 + 25 and 12122 + 60; length 33,161 feet.

(1) 1,225,000 cu. yds. excav. for conduit, common;
(2) 38,000 cu. yds. excav. for conduit rock;
(3) and (4) Do not apply here;
(5) 80 cu. yds. excav. for structures, common;
(6) and (7) Do not apply here;
(8 775,000 cu. yds. backfill for conduit;
(9 10,000 cu. yds. compacted backfill for sctructures;
(10 and (11 Do not apply here;
(12 131,000 cu. yds. concrete in conduit;
(13) 60 cu. yds. concrete in structures, reinf.;
(14) 210 cu. yds. concrete in structures, plain;
(15) and (16) Do not apply here;
(17) 500,000 lbs. placing reinf. steel in conduit;
(18) 10,000 lbs. placing reinf. steel in structures;
(19) 117,000 lbs. placing metal for construction joints;
(20) 214,000 lbs. placing metal for dummy joints;
(21) 8000 lbs. installing miscellaneous metal work;
(22) to (30) Do not apply here;
(31) 1530 lin. ft. laying 8-in. drain pipe;
(32) 1000 ton-mile hauling steel;
(33) 70 000 ton-mile hauling cement.

West Const. Co.	$1,021,973.00
J. F. Shea Co., Inc.	1,038,218.00
Hunkin-Conkey Const. Co.	1,039,214.50
Morrison-Knudsen Co.	1,051,325.00
Griffith Company	1,077,235.00
Fredrickson & Watson	1,089 348.00
Paul J. Tyler	1,101,621.50
V. R. Dennis, et al.	1,149,889.00

SCHEDULE 23A

Excavation of an outlet channel between Stations 11074 plus 25 and 12122 plus 00; total length, 4800 ft.

(1) 163,000 cu. yds. excav., common;
(2) 60,000 cu. yds. excav., rock.

Morrison-Knudsen Co.	$55,300.00
V. R. Dennis, et al.	61,560.00
Paul J. Tyler	62,590.00
Hunkin-Conkey Const. Co.	68,309.00
West Const. Co.	70,820.00
Griffith Company	71,170.00
J. F. Shea Co., Inc.	73,820.00
Fredrickson & Watson	92,600.00

ELKO CO., NEV.—49.78 Mi. Highway Reconstr.—(State)

ELKO COUNTY, Nevada — Wm. Hoops Construction Co., Twin Falls, Idaho, at $100,811.88, as previously reported, submitted low bid and was awarded contract by the Nevada State Highway Directors, Carson City, Nov. 27, for the reconstruction of a portion of the State Highway System in Elko County, Route 13, Section C1, C2 and C3, between Wells and 4 miles south of Little Salmon River, a length of approximately 49.78 miles. The work involves:

(1) 10,100 c.y. roadway excavation;
(2) 5,694 sta. yds. overhaul;
(3) 88,663 c.y. select borrow;
(4) 800 c.y. structure excavation;
(5) 45.34 miles subgrade;
(6) 112,900 tons crushed gravel or stone surface;
(7) 710 l.f. 18-in. CMP;
(8) 94 l.f. 24-in. CMP;
(9) 82 l.f. 30-in. CMP;
(10) 76 l.f. 36-in. CMP;
(11) 135 each move pipe culvert headwalls;
(12) 45.34 miles finish roadway;
(13) 130 each monuments.

Total bids follow:

(A) Wm. Hoops Constr. Co., Twin Falls, $100,811.88.
(B) Utah Constr. Co., Ogden, $101,250.73.
(C) Geo. French Jr. Stockton, $103,519.02.
(D) Western Constr. Co., Pocatello, $113,876.04.
(E) Olof Nelson, Logan, $114,418.45.
(F) Fredrickson & Watson Constr. Co., Oakland, $120,900.79.
(G) Gibbons & Reed Co., Salt Lake City, $126,680.96.
(H) Ishell Constr. Co., Carson City, $129,724.11.
(I) George Pollock Co., Sacramento, $132,145.08.
(J) Jack Casson, Oakland, $139,699.44
(K) Engineer's Estimate, $113,876.04

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
(1)	$ .23	$ .30	$ .50	$ .35	$ .60	$ .35	$ .50	$ .50	$ .50	$ .75	$ .50
(2)	.03	.02	.03	.05	.05	.04	.04	.04	.02	.04	.04
(3)	.32	.35	.40	.38	.35	.41	.40	.45	.40	.46	.40
(4)	.80	1.00	1.00	1.00	1.50	1.00	1.25	1.00	1.00	2.00	1.00
(5)	35.00	50.00	50.00	50.00	100.00	130.00	150.00	150.00	200.00	100.00	150.00
(6)	.53	.50	.45	.56	.55	.58	.60	.60	.60	.65	.65
(7)	2.50	2.50	2.25	1.80	2.00	1.90	3.00	2.40	2.50	2.70	2.25
(8)	3.25	...70	3.25	2.60	3.00	3.00	4.00	3.30	3.50	3.60	2.50
(9)	5.80	4.50	4.00	4.50	3.50	3.50	5.00	4.40	5.00	4.15	4.00
(10)	6.00	7.25	6.00	6.00	5.00	5.50	7.00	6.50	6.00	6.00	6.00
(11)	8.00	5.00	10.00	3.00	12.00	10.00	15.00	10.00	10.00	10.00	10.00
(12)	75.00	75.00	100.00	150.00	100.00	100.00	100.00	100.00	200.00	150.00	50.00
(13)	3.50	3.00	3.00	4.00	3.00	3.00	3.00	3.50	4.00	3.00	3.50

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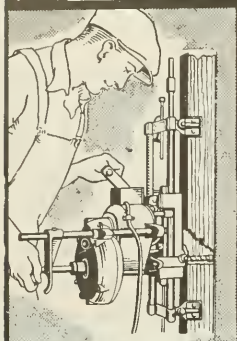
WAPPAT Electric TOOLS



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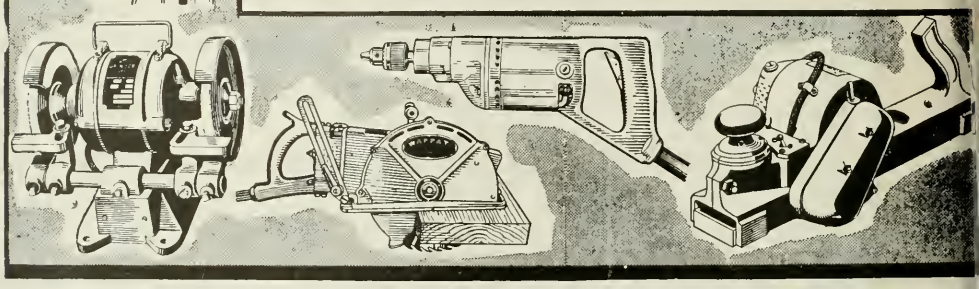

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Vol. XVII SAN FRANCISCO, CALIF., DECEMBER 15, 1934 No. 50

Open Bids January 8 for O'Shaughnessy Dam Enlargement; $3,500,000 Available

Bids for enlarging O'Shaughnessy Dam, the largest single contract to be let under the city's PWA program of waterworks improvements, have been asked by the San Francisco Public Utilities Commission. Bids are to be opened January 8

An appropriation of $3,500,000 has been made for the work, which will raise the crest of the dam eighty-five and one-half feet, increasing the capacity of Hetch Hetchy Reservoir proportionately. Construction of a new spillway, installation of new outlet control valves and spillway gates, clearing of the reservoir area between the present and future high water surface elevations, road and trail construction and other appurtenances are included in the contract.

The addition will raise the crest of the dam from elevation 3726.5 to elevation 3812. The foundation for the enlarged dam is now being constructed to elevation 3500, which is approximately the elevation of the original stream bed, and a section of the existing dam containing the outlet conduits is constructed to the downstream face of the dam as it will be when the enlargement is completed.

O'Shaughnessy Dam is located at the west end of Hetch Hetchy Valley on the Tuolumne River, in Tuolumne County.

Altogether there are eighty-eight bidding items included in the specifications. Among the major items are 205,000 cubic yards mass concrete in the dam, 277,000 barrels of Portland cement, 450,000 pounds reinforcing steel, 400,000 pounds anchor bars, 300,000 feet of one-inch metal tubing, installing 500,000 lbs. outlet valves furnished by the city, installing 250,000 pounds of drum gates, and numerous others.

The city will provide a number of facilities for the contractor, including use of the city's Hetch Hetchy Railroad between Hetch Hetchy Junction and Mather, a distance of 59 miles; electric current for the operation of construction machinery and camp lighting; and use of a camp site, buildings, camp water supply and sewerage systems and other existing facilities at the camp.

The dam impounds water which is used for the generation of power at the Moccasin power plant and for the domestic water supply of San Francisco. The city will continue the use throughout the period of the contract, and it is stipulated that work must be performed without interfering with these uses of water.

The project is being financed through Public Works Administration funds and the contract will be subject to PWA requirements.

STATE ASKS AMADOR ROAD PROJECT BIDS

Commission to Open Proposals For Grading and Surfacing January 2

SACRAMENTO, Dec. 11. — The State Highway Commission today called for bids for about one and one-half miles grading and surfacing in Amador county. Bids will be opened in Sacramento Jan. 2.

The contract calls for grading and surfacing with bituminous treated crushed gravel or stone approximately one and one-half miles of highway between Martell and Jackson.

The work involves major items of approximately 34,000 cu. yds. of unclassified roadway excavation; 110,000 station yards overhaul; 8,000 cubic yards imported borrow, 2,000 cubic yards excavation for structures, 1,642 feet of corrugated metal pipe, 1,080 M. gallons watering, 3,850 cubic yards untreated crushed gravel or stone base, 2,350 cubic yards crushed gravel or stone for bituminous treated surfacing, 165 tons cutback asphalt, and others.

LET $1,739,000 AQUEDUCT WORK TO GRIFFITH CO.

Contract for Twelve Miles of Siphon and Conduit Construction Awarded

Award of contracts totalling $1,739,846 for construction of approximately 12.8 miles of siphons and conduit of the Colorado River Aqueduct to Griffith Company of Los Angeles has been announced by the Metropolitan Water District of Southern California.

The work is divided into seven schedules, total bid on which amounted to $1,977,098 Deducting twelve percent or $237,251 for combined award the net bid amounts to $1,739,846. The bids were opened December 4.

The bids on the individual schedules were:

SCHEDULE 20-A: $13,895, involving the construction of one portion of a circular siphon and appurtenant works. Diameter 12 ft. 4 in.; total length, 143 feet.

SCHEDULE 20-B: $28,547.50, involving the construction of one portion of a circular siphon and appurtenant works. Diameter 12 ft. 4-in.; total length, 658 feet.

SCHEDULE 20-C: $244,790.00, involving the construction of a circular monolithic siphon and appurtenant works. Siphon diameter 12 ft. 4 in.; total length, 7000 feet.

SCHEDULE 21: $355,746.50, involving the construction of three circular monolithic siphons and appurtenant works Diameter 12 ft 4in.; total length, 14,585 feet.

SCHEDULE 22: $185,714.00, involving the construction of one circular monolithic siphon and appurtenant works. Siphon diameter 12 ft. 4 in.; total length, 7225 feet.

SCHEDULE 23: $1,077,235, involving the construction of cut-and-cover conduit and appurtenant works; length 33,161 feet.

SCHEDULE 23-A: $71,170.00, involving the excavation of an outlet channel; total length, 4800 feet.

Sales of mechanical stokers for apartment houses and small commercial heating jobs during the first ten months of 1934 totaled 1,432, as compared with 755 during the same period in 1933, according to the Bureau of the Census.

MacDonald&Kahn Low on General Contract For Alameda County Building; Award Friday

MacDonald & Kahn Co., Ltd., San Francisco, submitted the low bid to the Alameda County Board of Supervisors Wednesday for construction of the Alameda county Court House and Hall of Records building. The firm was low at $1,515,151 for erection of the building complete and also submitted the low bid on two alternate proposals, omitting portions of the work, which may be let under segregated contracts.

On the basis of preliminary totals the lowest figure for the building complete will be a combination of low bids on six segregations as follows:

MacDonald & Kahn, Ltd., (Proposal III, Building, without jail, excavation, structural steel, elevators and mechanical equipment) $897,798.00.

Dinwiddie Const. Co., and P. J. Walker Co. (Proposal IV, excavation and foundation), $52,000.00.

Pacific Coast Steel Corp. (Proposal V, structural steel, fabrication and erection) $158,416.00.

Pacific Elevator and Equipment Co. (Proposal VI, elevators) $104,126.00.

Alta Electric and Mechanical Co. (Proposal VII, mehanical work) $228-880.00.

Pacific Electric Manufacturing Corporation (Proposal VIII, jail equipment) $68,985.00.

The combination of these low bids totals $1,510,205, which is less than the MacDonald and Kahn bid on the building complete by $4,946. Architect W. G. Corlett, chairman of the board of five architects in charge of the project, told the board of supervisors his board would be prepared to make recommendations on the award at an adjourned meeting of the board Friday afternoon at 3:30. The architects went into conference yesterday afternoon immediately after the bids were opened.

Bids were received on the complete building as follows:

MacDonald & Kahn, Ltd.	$1,515,151
Geo. Wagner and K. E. Parker	1,562,500
Clinton Const. Co.	1,603,000

For the alternate proposal (Proposal III), omitting items which might be let under separate contracts, bids were received as follows:

MacDonald & Kahn, Ltd.	$ 897,798
Geo. Wagner and K. E. Parker	901,890
Clinton Const. Co.	911,000
Dinwiddie Const. Co. and P. J. Walker Co.	919,300
Lindgren & Swinerton	978,320
Fredrickson & Watson	1,117,700

Total bids on other portions of the work follow:

Excavation and Foundation (Proposal IV)

Dinwiddie Const. Co. and P. J. Walker Company	$52,000
J. Catucci	59,631
Clinton Const. Co.	61,000
Alfred H. Vogt	62,435
MacDonald & Kahn, Ltd.	65,000
Fredrickson & Watson	81,300

Structural Steel (Proposal V)

Pacific Coast Steel Corp.	$158,416
Columbia Steel Corp.	164,000
Herrick Iron Works	169,760
Judson - Pacific Co.	179,000
Consolidated Steel Corp.	184,100
Minneapolis-Moline Power Implement Company	210,000

Elevators (Proposal VI)

Pacific Elevator & Equipment Company	$104,126
Otis Elevator Co.	104,387
Westinghouse Electric Elevator Company	110,900

Mechanical Work (Proposal VII)

Alta Electric and Mechanical Company	$228,880
Schuster & Hudson	238,446
Anderson & Rowe	242,500
J. N. Nelson, Inc.	244,300
F. W. Snook	249,764
Scott Company	269,946

Jail Equipment (Proposal VIII)

Pacific Electric Mfg. Co.	$ 68,985
Judson-Pacific Co.	78,275
Herrick Iron Works	90,640

The building is to be of steel frame with reinforced concrete walls. It will have twelve floor levels above the ground floor. The first and second floors are to be 176 by 245 feet and the floors from the third up are to be 116 feet square. It will be located on a block bounded by Fallon, Twelfth and Thirteenth streets in Oakland.

A board of five architects designed the structure. They are: W. G. Corlett, chairman, Henry A. Minton, James W. Plachek, Wm. E. Schirmer and Carl Werner.

The project is financed by a bond issue of $1,712,000 and a PWA grant of thirty percent of the cost of labor and material, estimated at $462,000.

WINE LOW ON RENO RETAINING WALL

WASHINGTON, D. C., Dec. 11.—Low bid for construction of a retaining wall at the Reno, Nevada, post office was submitted to the Treasury Department here today by Wade H. Wine of Reno. Amount of the low bid was $21,750. Theodore Johanns of San Francisco, submitted the second low figure at $21,800. Cost of the wall, which is to be built along the Truckee River in front of the post office building, was estimated at $30,000, with filling, landscaping and planting to cost an additional $3,000.

CABLE BENTS FOR BAY SPAN BEING PLACED

Central Cable Anchorage More Than Three-Fourths Completed

During the past week work has continued on erection of steel for cable bents on Pier W-1 of the San Francisco-Oakland Bay Bridge. These bents will support the cable at this point, which is the terminus of the side span of the first suspension span across the bay. This work was one of the most difficult pieces of steel erection on the project, and now has been practically completed without accident, according to the weekly progress report of Chief Engineer C. H. Purcell.

Healy-Tibbitts Construction Company has completed pouring the foundation block for Pier A, just west of Main Street, which now completes the sub-foundation of the last major pier in this contract.

West Bay Substructure

Work has progressed on the alterations to Pier 24, the fire wall having been completed, and portions of the dock, which had been removed for construction purposes, being rapidly renewed.

Pier W-4, the centtral anchorage, has been erected up to 162½ feet above water by Transbay Construction Company. The concrete on this pier will be carried eventually to 235 feet above water level, there still remaining 62½ feet before the top of concrete is reached.

West Bay Superstructure

Painting at Tower W-3 is continuing, as is the riveting at Tower W-6.

The hammerhead cranes which are used to place the column sections, have been erected at Tower W-5 by Columbia Steel Company.

Yerba Buena Island

Pouring of concrete has again been resumed on the island anchorage. This work will continue to a point at which the anchorage will be ready for cable spinning operations.

The tunnel work is proceeding rapidly. Clinton Construction Company is preparing the footings for the side walls of the tunnel lining. The concrete pump has been installed to handle concrete for this tunnel lining.

No work has been done on the foundations on the east slope of the island, as these piers are now completed to a point where steel erection must be completed before any further concrete is poured. The Columbia Steel Company has started to erect the first section of steel viaduct, starting at Pier YB-1. They have completed the installation of the tramway and derrick equipment for this work.

CALL FOR BIDS ON BURLINGAME SEWER PROJECT

Council to Receive Proposals January 7 on $147,000 Work

The Burlingame city council has advertised for bids on the $147,000 sewer project in that city. Bids will be opened January 7.

The work involves construction of a sewage disposal plant and intercepting sewer to be located in San Francisco Bay about one-half mile from the shore.

Bonds in the amount of $86,000 were voted at a special election August 30 to secure a PWA grant for the project. A portion of the cost of the work will be borne by the neighboring city of Hillsborough, which will also use the completed system.

Contractors desiring to bid on the work may obtain plans and specifications from Charles M. Thomas, Burlingame city engineer, after December 12 upon deposit of $10.

The San Mateo sewer project, for which an $85,000 bond issue was approved at the November elections, is not yet out for bids. When completed the San Mateo system will become a part of the Burlingame -- Hillsborough system which will be used jointly by the three cities.

BIDS JAN. 7 ON ADDITIONAL AQUEDUCT WORK

Metropolitan Water District Asks Proposals on Siphon Construction

The Metropolitan Water District of Southern California will open bids January 7 for construction of the Big Morongo and San Andreas siphons of the Colorado River Aqueduct. The work is located in Riverside county.

Length of the project is approximately one and eight-tenths miles, between points five and seven miles northwest of Garnet.

Alternative bids have been asked for constructing the siphons of either 12-ft. 4-in. jointed concrete pipe cast in place, 12-ft. precast concrete pipe, or 12-ft. 8-in. welded steel pipe supported on concrete piers. The alternative schedules are numbered 18-J, 18-K, and 18-S, respectively.

Contractors desiring to bid on the work may obtain plans and specifications at Room 1007, 306 W. Third Street, Los Angeles, upon payment of $5.00 per set.

$428,000 FHA Loans Reported in S. F. For Modernization

Loans for modernizing purposes under terms of the National Housing Act reported by seven San Francisco banks amounted to $428,380 between October 15 and December 8, according to the Better Housing Program committee.

"This total seems inadequate in comparison to the vast amount of modernizing work definitely pledged," comments William F. Benedict, campaign director. "Two facts, however, explain the apparent discrepancy. One is that there is a very definite lag, as indicated by the experience of other cities, between the signing of pledges and the making of loans. But these loans should increase rapidly from now on.

"The second reason is that a surprisingly large percentage of persons are using money taken from their savings accounts and other sources as compared to those who apply for loans. It was originally estimated by the Government that the proportion would be two not borrowing to one borrowing. It soon became apparent in this district that the proportion would be at least four to one. In San Francisco it will be much more than four to one, as will be indicated when the first progress report of re-check of pledges is submitted."

BIDS JAN. 23 ON $290.000 CITY SCHOOL

S. F. Department of Public Works Asks Proposals on Glen Park School

The San Francisco Department of Public Works yesterday called for bids for construction of the Glen Park School, total cost of which has been estimated at approximately $292,000. Bids will be opened January 23.

Bids are being taken for general work, estimated to cost $216,000; mechanical equipment, $31,000; painting, $31,000, and electrical work, $14,000.

Plans for the building, which have been prepared by Architects Lewis P. Hobart and Bliss & Fairweather, call for a two-story reinforced concrete structure to contain fourteen classrooms and an auditorium with a seating capacity of 450, and include tar and gravel roof and a steam heating system.

The school will be located at 150 Brompton street.

John B. Leonard is structural engineer for the project and Robert L St. John, mechanical engineer. Plans and specifications are on file with City Architect C. H. Sawyer.

A contract for removing a field houe, wire fencing and back stop at the James Rolph Playground was awarded by the Department to M. E. Vukicevich at $5,320.

BIDS OPENED ON MARTINEZ YACHT HARBOR

Duncan & Harrelson Submit Lowest Bid, Amounting To $37,612

MARTINEZ, Dec. 12.—Low bid for the construction of the Martinez Yacht Harbor was submitted to the city council here tonight by Duncanson & Harrelson, deYoung Building, San Francisco. Amount of the low figure was $37,612.

Plans for the project include an approach trestle 850 feet in length, a wharf 250 by 40 feet, of wood construction with creosoted piling and landing facilities.

At a special election held recently a $38,000 bond issue to finance the work was approved. A grant of $15,000 has been made by the Public Works Administration.

The work involves major items of approximately 575,000 ft. of Oregon pine timber, 11,000 feet creosoted lumber, 41,000 square feet of asphalt pavement over the deck, 455 creosoted piles, 265 green piles and one ton structural steel.

Complete bids follow:

Duncanson & Harrelson, San Francisco, $37,612; Healy Tibbitts Construction Co., San Francisco, 46,740; A. W. Kitchen, San Francisco, $48,263; Bundeson & Lauritzen and Delta Dredging Company, Pittsburg, $48,931, and M. B. McGowan, San Francisco, $56,910.

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Piledriving Contractors Sign Agreement With Union on Wages Effective Jan. 1

A wage and hour agreement has been completed between the Piledriving and Contractors Association and the Pile Drivers, Bridge, Wharf and Dock Builders, Local No. 34, effective as of January 1 for a period of one year. It is to be submitted for approval by NRA under the Divisional Code of the River and Harbor Improvement Industry and when accepted will become an area agreement binding on all contractors engaging in this branch of construction within the area covered. This is defined as central zone of the Pacific Coast as established by the Federal Public Works Administration. Its immediatte effect, however, will be to determine the prevailing wage and working conditions for all pile driving contractors in the state of California, officials of the association said.

The text of the agreement follows:

AGREEMENT

THIS AGREEMENT, made and entered into in duplicate this 28th day of November, 1934, at San Francisco, California, by and between the **Piledriving and Contractors' Association,** First Party, acting for and on behalf of all its members and herein referred to as the "Contractors," and the **Pile Drivers, Bridge, Wharf and Dock Builders, Local No. 34,** United Brotherhood of Carpenters and Joiners of America, Second Party, acting for and in behalf of all its members and herein referred to as the "Union."

WITNESSETH:

Section I. Territory:

All work done within the Pacific Coast Division of the United States, except the Hawaiian Islands, as established by the Corps of Engineers, U. S. Army, and limited in such Pacific Coast Division to the Central Zone as established by the Federal Emergency Administration of Public Works.

Section II. Character of Work:

This agreement shall apply to all work of the following character, and shall come under the head of Piledriving, Bridge, Wharf and Dock Building Work.

(a) All labor (except that used for fabricating and placing reinforcing steel, and for mixing and placing concrete), employed in the building, driving, staying, or pulling of precast concrete piles, pile jackets, composite piles, cast-in-place concrete piles, and any and all precast structural shapes or units, the setting of which is performed with power equipment, or piledriving and setting equipment.

(b) All labor employed in the placing, framing, fastening, driving or pulling of steel or wooden piling of every kind, after the material has been delivered to the job.

(c) All labor employed in the rafting, boring, reeving doggi'g, driving, framing, cutting off or pulling of wooden piling and lagging of every kind and character, after the material has been delivered to the job. Where piling or material is delivered alongside of ships, dogging, reeving and rafting shall be done by piledrivermen.

(d) All labor employed in the framing and erection of any and all structural material (excepting reinforcing steel, structural steel and concrete), after such material has been delivered to the job; when such material is to be used in the construction of wharves, docks trestles, viaducts, bridges and other similar structures up to and including the dock thereof, but including all floors of all bridges; in the construction and erection of all bridges, subways and underpasses, overhead crossings, ferry slips, precast bulkhead and other similar structures where piledriving equipment is used; in the building of cofferdams, cofferdam bracing and framing, open cribs and caissons; in the construction and erection of bridge and other pier construction, drydocks, marine railways; and in the construction and erection of towers, bunkers, and other similar structures necessary for the completion of the above mentioned projects.

(e) All labor employed in the moving and placing of all heavy machinery, boilers, tanks, guns and similar masses when pile driving and derrick equipemnt is used. This work shall be done, when necessary, in conjunction with machinery mechanics from other crafts.

(f) All labor employed in the framing and erection of equipment used in the work covered by Sections (a) to (e) inclusive, hereinhefore mentioned (except the framing, assembling and repairing of barges, floating hulls, and similar shipwright work) after the materials for such equipment have been delivered to the site where the equipment is to be framed and erected.

(g) All labor employed in the operation of recognized piledriving equipment used in the wrecking and dismantling of all structures, covered by subsections (a) to (f) inclusive, hereinabove contained.

(h) All labor (except hoisting engineers, machinists, repair mechanics and watchmen) employed in the actual operating of piledriving rigs, derrick and other piledriving and construction equipment used in performing the work set forth in subsections (a) to (g) inclusive, hereinabove contained.

Section III. Hours of Work and Rates of Wages:

(a) 40 Hour Week.

The following rates of wages and hours of labor shall apply to all work done on a 40-hour week basis:

1. The standard single shift day shall consist of 8 hours of work between the hours of 8 a. m. and 5 p. m. on Mondays to Fridays inclusive. Wages for this work shall be paid as follows:

Journeymen	$1.125 per hour
Foremen	1.30 per hour
Journeymen, when on concrete form work	1.10 per hour

2. All work done between 4 a. m. and 8 a. m. and 5 p. m. and 9 p. m. shall be paid for at 1½ times the hour rates set forth herein for the 40 hour week. Work between 9 p. m. and 4 a. m. shall be paid for at two times the rates set forth herein for the 40 hour week.

3. Where work is performed on three continuous shift basis within 24 hours, 8 hours pay, at the hourly rates set forth herein for the 40 hour week, shall be paid for 7 hours work.

(b) 30 Hour Week.

The following rates of pay and hours of labor shall apply to all work done on a 30 hour week basis:

1. The standard single shift day shall consist of either 6 or 8 hours of work at any time between the hours of 8 a. m. and 5 p. m. on Mondays to Fridays inclusive. Wages for this work shall be paid as follows:

Journeymen	$1.33⅓ per hour
Foremen	1.60 per hour

Journeymen when working on concrete form work shall be paid not less than the rate which may be established for form carpenters in any particular specification for any particular project. In the absence of a specified scale for form carpenters, journeymen, when working on concrete form work, shall be paid not less than whatever prevailing rate may be established for form carpenters.

In any event, the representatives of both parties hereto shall meet within a period of ninety days from the effective date of this agreement and attempt to fix a definite minimum rate for concrete form work.

2. The standard two shift day shall consist of 6 continuous hours of work for each shift between the hours of 6 a. m. and 7 p. m. on Mondays to Fridays inclusive. Wages for this work shall be paid at the hourly rate set forth herein for the 30 hour week.

3. A three shift day shall consist of three continuous shifts of 6 continuous hours of work for each shift within the 24 hours of a calendar day. A full crew shall be employed on each shift. Wages for this work shall be paid at the hourly rates set forth herein for the 30 hour week.

4. A four shift day shall consist of 6 continuous hours of work for each shift throughout the 24 hours of the day and a full crew shall be employed on each shift. Wages for this work shall be paid at the hourly rates set forth herein for the 30 hour week.

5. All work performed before 8 a. m. and after 5 p. m. on single shift work, and all work performed before 6 a. m. and after 7 p. m. on double shift work and all overtime on three shift work shall be paid for at twice the hourly rates set forth herein for the 30 hour week.

(c) 40 Hour and 30 Hour Week.

1. Double time at the hourly rates set forth herein shall be paid for all work done on Saturdays, Sundays, New Year's Day, Decoration Day, Fourth of July, Labor Day, Admission Day, Thanksgiving Day and Christmas Day.

2. Transportation costs in excess of twenty-five cents (25c) one way shall be paid once each way by the employer, provided that where a craftsman quits before the work is completed, one way fare once shall be paid.

3. Craftsmen ordered to report for work by the employer, or his representative, for whom no employment is provided, shall be entiled to two hours' pay at the herein specified rates.

4. On work remote from available living quarters and when no job camps are provided, traveling time in excess of one hour each day shall be paid the craftsman, at the straight rates set forth above.

Section IV. Contracts:

It is further agreed herein by the party of the second part that no member of the Union shall contract any of the foregoing piledriving work, unless he first resign from the Union, and that he shall then not be eligible to work in the capacity of a piledriver, foreman, engineer, or in any other capacity that deprives the Union of employment of their members.

Section V. Disputes:

During the term of this agreement there shall be no cessation of work from any cause. In the event that a complaint or dispute arises as to the provisions or interpretation of this agreement in the work covered thereby, the complaining party shall serve a written notice on the other party, such notice to contain a statement of the facts of the complaint or dispute.

Within 48 hours after receipt of such notice the complaint or dispute shall be submitted for adjustment to a joint conference board of representatives of the Union and of the Contractors.

Pending the adjustment of a complaint or dispute, no strike or lockout, or cessation of work shall occur.

Section VI. Miscellaneous:

It is hereby further mutually agreed as follows:

1. All work under contract or bid shall be completed at the present scale, which shall apply to both the 40 Hour and 30 Hour week. **Working Conditions:** Those in effect on January 1, 1933.

2. Contractors' representatives shall deliver to Union representatives immediately after the effective date of this agreement a list of such work which is under contract or bid on such effective date.

3. This agreement shall become effective on the date of this agreement, and shall remain in force and effect until January 1, 1936, or for such time beyond January 1, 1936, as may be mutually agreed upon by both parties.

4. During the first week of November, 1935, representatives of the parties hereto shall meet, discuss and agree upon wages and working conditions for the year 1936.

IN WITNESS WHEREOF, we have hereunto set our hands and seals the day and year first above written.

PILEDRIVING AND CONTRACTORS ASSOCIATION
By BEN C. GERWICK,
Vice-President.
M. B. McGOWAN,
Secretary.

PILE DRIVERS, BRIDGE, WHARF AND DOCK BUILDERS LOCAL No. 34, U.B.C. & J. OF AMERICA.

PERSON TO HEAD GOV'T WATER BOARD

Secretary Ickes has named Harlow S. Person acting director of the water resources section of the National Resources Board, and acting chairman of the Water Planning Committee, to succeed Morris L. Cooke, resigned. Mr. Cooke retains his membership on the National Power Policy Committee. Mr. Person is a New York specialist in the field where economics, engineering and management overlap. He is on the lecture staffs of Columbia University and of the State University of Iowa and was director of the Amos Tuck School of Administration and Finance at Dartmouth College.

The Water Planning Committee presented its report on the Mississippi Valley to President Roosevelt recently and has prepared the inventory of national water resources which will go to the President as a part of the report of the National Resources Board.

NEW BIDS ASKED FOR DREDGING

New bids have been asked by the U. S. Engineer Office in Los Angeles for dredging and rock removal in Newport Bay. December 17 has been set tentatively as the date for receiving bids. Bids on the work received November 15 were rejected last week as exceeding the funds available. At that time low figure was submitted by the Standard Dredging Company of Los Angeles at $1,122,634, or more than three hundred dollars above the engineer's estimate of $788,364 for the work. Specifications are now being revised with a view to eliminating all unnecessary work in order that bids may come within the appropriation for the project.

BIDS DEC. 22 ON ROSEVILLE WATER SYSTEM

First Unit of PWA Financed Waterworks Improvement Program Advertised

Bids for the first unit of improvements to be made to the Roseville city water system under that city's PWA financed waterworks program will be opened by the city council Saturday, Dec. 22, according to action taken at a council meeting last week.

The action calling for bids was taken after Engineer John A. Shields reported that plans and specifications for the first unit had been approved by PWA officials. Shields' estimate of the cost of the project is $12,500. The contract to be let calls for installation of new and larger pipe from the city reservoir to the highway at the eastern city limits and for miscellaneous improvements to and about the reservoir.

PWA approval of a supplementary application under which the city expects to receive approximately $17,500 of PWA funds is expected in the near future. The supplementary application was made necessary because it was originally estimated that cost of the work to be done would reach approximately $178,000. On the basis of this estimate the Public Works Administration allotted $55,000 to the city for the improvements Present estimates place cost of the entire program at $78,000.

Details of the second unit of the work will be discussed at a future meeting of the council. At the meeting last week a motion was made that all available bond money be expended on the second unit of improvements.

COAST PERMIT VALUES DROP IN NOVEMBER

Effect of Housing Drive Seen In Number of Small Permits Issued

Building permit totals in seven western states in November were below those of October, but compare favorably with November a year ago and with other months of this year, according to preliminary reports from municipal and county inspection departments to DAILY PACIFIC BUILDER.

The preliminary total for the month is $5,104,443, which will be increased by $500,000 or more when late reports are received. This compares with $8,560,719 in October, which included large public building contracts in the cities of San Francisco and Los Angeles, and with $5,797,237 for November last year, which included a single permit for $2,600,000 for the San Francisco Federal Office Building.

The effect of the Federal Housing Administration campaigns continues to be evidenced in the number of small permits. The total number of permits reported in incomplete figures for November is 6078 compared with 4864 for the corresponding month last year. The number of permits issued in October was 8997.

Los Angeles remained in first place in the value of building with a total of $1,857,887 for the month.

Following are the ten leading cities ranked in value of permits reported:

	Permits	Value
Los Angeles	1516	$1,857,887
San Francisco	424	347,761
San Diego	307	341,435
Corvallis, Ore.	7	227,190
Long Beach	511	143,040
Oakland	422	137,070
San Mateo	11	121,279
Beverly Hills	48	120,675
Portland	217	118,575
Santa Ana	82	105,164

PARKER LOW ON REDWOOD CITY P. O.

WASHINGTON, D. C., Dec. 10.—Low bid for construction of the Redwood City post office was submitted to the Treasury Department today by K. E. Parker Company, 135 South Park, San Francisco, at $39,590. Second and third low bids, respectively, were submitted by Robt. McCarthy, San Francisco, at $39,747; and George Petersen, San Leandro, at $40,400. The Treasury Department awarded the contract for completion of the Long Beach post office to Theo. A. Beyer Corp., Los Angeles, at $32,180. The Beyer Corporation submitted low figure for the work November 15 when bids were opened.

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending December 13, 1934:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Turlock Irrigation District	Canal Lining	Ed. Erickson, Modesto	$ 10,816.91	November 15
Cypress Lawn Cemetery Assn., San Francisco	Alterations and Additions to Office Bldg., Etc., Colma	Dinwiddie Const. Co., San Francisco	$ 19,441.00	November 16
San Jose City Council	Street Improvement	A. J. Raisch Paving Co., San Jose	$ 6,833.00	November 20
Amalgamated Sugar Co., Ogden, Utah	Foundations for Sugar Refinery Clarksburg, Calif.	Lord & Bishop, Oroville	$	November 20
Santa Fe Lbr. Co., San Francisco	Lumber Terminal, Stockton Wharf Extension, Richmond	John Hachman, Stockton	$ 30,000.00	November 21
Standard Oil Co., San Francisco		Lindgren and Swinerton San Francisco	$	November 21
La Mesa, Spring Valley and Lemon Grove Irrigation Dist.	Concrete and Steel pipe lines	American Concrete & Steel Pipe Company. South Gate	$ 54,717.40	November 27
Southern Pacific Co., San Francisco	Grading Right of Way, San Jose	Earl W. Heple, San Jose	$	November 30
Public Utilities Commission, San Francisco	Chlorinating Plant, Irvington	Chas. A. Bruce & Sons Pleasanton	$ 9,487.00	December 1
Department of Public Works, San Francisco	Resurfacing Market Street	S. F. Bureau of Street Repair	$ 5,889.60	December 5
Department of Public Works, San Francisco	Merced Lands Sewer	MacDonald and Kahn, San Francisco	$ 51,189.15	December 5
Metropolitan Water Dist., Los Angeles	Siphons, Conduit, Etc.; Spec. 82, Riverside County	Griffith Co., Los Angeles	$1,739,846.24	December 8
San Francisco Public Utilities Commission	University Mound Pipe Line, Section A	M. J. Lynch, S. F.	$ 89,365.00	December 10
San Francisco Public Utilities Commission	University Mound Pipe Line, Section B	Sibley Grading and Teaming Co., S. F.	$133,494.50	December 10
John Peters & Lawrence Borg, Salinas	Theatre	Harold C. Geyer, Monterey	$ 26,558.00	December 10

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone iado in the four week period ending December 13:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Constructing Quartermaster, Ft. Mason	Underground Electric System, Fort Mason	A. Soda & Son, Oakland	$ 37,650.00	November 22
Bureau of Public Roads, Portland	7.4274 Miles Grading, Umatilla and Union Counties	A. Del Guzzo, Seattle	$ 95,880.94	November 23
Bureau of Public Roads, Portland	1.2 Miles Grading and 1.375 Mi. Clearing, Jackson County	F. C. Dillard, Medford	$ 53,141.20	November 26
Bureau of Public Roads, Portland	0.488 Miles Grading, Skamania County, Washington	Coos Bay Const. Co., Portland	$ 62,058.90	November 26
Bureau of Reclamation, Almira, Washington	30 Residences, Grand Coulee Dam	McDonald & Gunmere, Coulee Dam, Wash.	$ 94,400.00	November 26
Treasury Dept., Washington, D. C.	Post Office Bldg., Santa Clara	K. E. Parker Co., San Francisco	$ 30,990.00	November 26
Bureau of Reclamation, Lovelock, Nevada	Rye Patch Dam, Pershing Co., Nevada	J. A. Terteling & Sons Boise, Idaho	$256,322.50	December 3
Bureau of Public Roads, Ogden, Utah	6.826 Miles Highway Construction, Custer County, Idaho	Orino, McHugh and Scioly, Spokane	$ 84,903.20	December 3
Bureau of Public Roads, Ogden, Utah	1.567 Miles Highway Construction, Sevier County, Utah	Gibbons and Reed Co., Salt Lake City	$ 36,189.00	December 3
U. S. Engineer Office, Seattle	640,000 c.y. Dredging, Duwamish Waterway	Puget Sound Bridge & Dredging Co. Seattle	$ 96,000.00	December 7
U. S. Engineer Office, Kansas City, Mo.	Fort Peck Dam Spillway, Fort Peck, Montana	Massman Const. Co., Kansas City, Mo.	$7,133,005.00	December 7
War Department, Washington D. C.	Hangar No. 44, France Field, Canal Zone	Tucker E. McClure, Cristobal, C. Z.	$177,540.00	December 8
War Department, Washington, D. C.	Armament, Photo Laboratory, Etc., France Field, C. Z.	H. B. Nelson Const. Co., Atlanta, Ga.	$ 92,540.00	December 8
Treasury Dept., Washington, D. C.	Post Office, Long Beach	Theo. A. Beyer Corp., Los Angeles	$ 32,180.00	December 11

STATE HIGHWAY AWARDS

Following are principal State Highway construction contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idn the four week period ending December 13:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Arizona Highway Commission	Street Improvement, Jerome	Pearson & Dickerson Cont'rs, Prescott	$ 19,484.92	November 19
Arizona Highway Commission	Street Improvement, Winslow	Southern Calif. Roads Co., Los Angeles	$ 15,092.40	November 19
Idaho Highway Commission	11.42 Miles Surfacing, Etc., Nez Perce County	F. H. DeAtley & Co., Lewiston	$ 21,205.00	November 19
Oregon Highway Commission	3.9 Miles Grade and Surface, 7.8 Miles Oil Mat Surf. Treatment, Polk County	Theo. Arenz, Portland	$ 81,994.00	November 20
Oregon Highway Commission	2.12 Miles Grading, 3 Miles Oil Mat Surf. Treatment, Polk Co.	Theo. Arenz, Portland	$ 29,983.50	November 20
Bureau of Public Roads, San Francisco	Grading, Modoc County	R. R. Carlson, Vallejo	$ 68,113.70	November 15
Bureau of Public Roads, Phoenix, Arizona	7.563 Miles Grading and Subgrade Reinf., Coconino Co.	Tiffany Const. Co. San Jose, Calif.	$ 76,892.00	November 15
Bureau of Public Roads, Portland	1.58 Miles Grad ng, 9.36 Miles Widening, Klamath County	Dunn & Baker, Klamath Falls	$112,950.30	November 16
Bureau of Yards and Docks, Washington, D. C.	Seaplane Hangar, Pearl Harbor, T. H.	Pioneer Const. Co., Seattle, Wash.	$151,300.00	November 17
California Highway Commission	0.3 Mile Grade and Pave, Los Angeles County	Griffith Co., Los Angeles	$ 7,350.00	November 21
California Highway Commission	2.7 Miles Grade and Surface, San Mateo County	Mittry Brothers Const Co., Los Angeles	$149,865.00	November 21
Idaho Highway Commission	10.72 Miles Highway Construction, Owyhee County	Morrison-Kundsen Co. Boise	$ 88,227.50	November 22
Washington Highway Comm.	.5 Mile Paving and Retopping, Lewis County	Washington Asph. Co. Seattle	$ 16,036.00	November 22
Washington Highway Comm.	1.9 Miles Grading, Etc., Kitsap County	Halleran Bros., Seattle	$ 22,007.00	November 22
Washington Highway Comm.	1.3 Miles Base and Pavement, Pierce County	Northwest Roads Co., Portland	$ 39,772.00	November 22
Washington Highway Comm.	3 Miles Grading, Etc., and Two Trestles, Pend Oreille Co.	N. A. Degerstrom, Spokane	$ 83,690.00	November 22
Washington Highway Comm.	.5 Mile Paving and Retopping, Whatcom County	Standard Asphalt Paving Co., Spokane	$ 14,337.00	November 22
Oregon Highway Commission	4.89 Miles Grading, Jefferson County	J. A. Lyons, Portland	$ 87,913.00	November 22
Arizona Highway Commission	2.75 Miles Grading, Etc., Arizona State	Lee Moor Contr. Co., El Paso, Texas	$ 59,103.00	November 26
Idaho Highway Commission	1.951 Miles Grading, Etc., Kootenai County	Clifton & Applegate, Spokane, Wash.	$ 61,327.95	November 26
Idaho Highway Commission	6.21 Miles Grading, Etc., Bannock County	Olof Nelson, Logan, Utah	$ 48,606.00	November 26
California Highway Commission	1.6 Miles Grade and Surface, Kern County	D O C Const. Co. and Robert. D. Paterson, Santa Barbara	$ 39,873.45	November 27
Nevada Highway Commission	49.78 Mi. Highway Reconstruction, Elko County	Wm. Hoops Const. Co. Twin Falls, Idaho	$100,811.88	November 27
Nevada Highway Commission	6.16 Mi. Highway Construction, Nye County	Dodge Const., Lnc., Fallon	$ 63,630.50	November 27
Utah Highway Commission	8.361 Miles Gravel Surfacing, Sanpete County	L. A. Young, Richfield Utah	$ 46,343.98	November 27
California Highway Commission	Field and Superstructure Painting, S. F.-Oakland bay bridge	Bridge Builders, Inc. Oakland	$835,000.00	November 27
California Highway Commission	Bridge Superstructure & Abutments, Sutter County	P. F. Bender, Sacramento	$ 27,023.00	November 28
California Highway Commission	2 Miles Surfacing, Solano Co.	Henry Grimoldi, Napa	$ 8,008.00	November 28
Idaho Highway Commission	6.749 Miles Grade and Surface, Custer County	Triangle Constr. Co., Boise	$ 24,207.50	December 3
Utah Highway Commission	2.224 Miles Surfacing, Salt Lake County	Gibbons and Reed Co., Salt Lake City	$106,703.02	December 4
California Highway Commission	2.3 Miles Surfacing, Sutter Co	A. Teichert & Sons. Inc., Sacramento	$ 23,917.75	December 5
Washington Highway Comm.	0.1 Mile Paving, Walla Walla County	J. H. Collins, Walla Walla	$ 10,987.00	December 6
Washington Highway Comm.	2.9 Miles Grade, Surface and Pave, Spokane County	Chas. A. Power, Spokane	$ 48,961.00	December 6
Washington Highway Comm.	23.1 Miles Grade and Ballast, Grant County	Frank J. Haas, Grandview, Wash.	$106,295.00	December 6
Utah Highway Commission	1.5 Miles Surfacing, Utah Co.	Lamph, Smith & Stevens, Price, Utah.	$ 57,545.67	December 10
Oregon Highway Commission	0.34 Mile Widen and Resurface, Coos County	R. T. Stuart & Sons, Medford, Ore.	$ 12,150.00	December 10
Oregon Highway Commission	5.58 Miles Widen and Resurface, Umatilla County	Newport Const. Co., Portland	$ 36,571.50	December 10
Oregon Highway Commission	Bridge, Polk County	Averill and Philpott, Portland	$ 21,153.60	December 10
Oregon Highway Commission	0 61 Mile, Widen and Resurface Douglas County	R. T. Stuart & Sons, Medford, Ore.	$ 26,914.00	December 10
Oregon Highway Commission	0.39 Mile Grading, Douglas Co.	Haskin & Brooks Con. Co. LaCenter, Wash	$ 40,364.00	December 10
Idaho Highway Commission	1.744 Miles Grade, Surface, Etc. Butte County	Western Const. Co., Pocatello, Idaho	$ 11,546.90	December 11

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
635	Lydig	Barrett	5000
636	Wobber	Thulin	6935
637	Builders	Owner	3500
638	Scott	Trollman	1600
639	Fielding	Lindgren	1000
640	Associated Oil	Lindgren	12000
641	Crocker	Coburn	2000
642	Tierney	Owner	1000
643	SERA	Owner	25000
644	Herzig	Owner	6000
645	Garibaldi	Ghezzi	1500
646	Gibson	Paige	1500
647	Wood	Thulin	1000
648	Mirsky	Bourdien	3000

ALTERATIONS
(635) S SHIPLEY 125 W Fifth St. Alter factory.
Owner—Mrs. J. Lydig, Premises.
Architect — Ellison & Russell, 712 Pacific Bldg., San Francisco.
Contractor— Barrett & Hilp, 918 Harrison St., San Francisco. $5000

REPAIRS
(636) 943-945 MARKET ST.; repair fire damage to stores.
Owner—Wobber Bros., % contractor.
Architect—Not Given.
Contractor—A. L. Thulin, 63 Brady St. $6935

ALTERATIONS
(637) LARKIN and Grove (Civic Center Park); alter old dwelling and add wing.
Owner—Builders' Exchange, 666 Mission Street.
Architect—Not Given. $3500

ALTERATIONS
(638) 315 NORIEGA; alter dwelling.
Owner—Chas. E. Scott, 315 Noriega.
Architect—W. H. Armitage, 2218 Webster Street.
Contractor—John Trollman, 49 Liebig $1600

ALTERATIONS
(639) NE GEARY and Mason Sts.; alter hotel.
Owner—Fielding Hotel, Geary and Mason Streets.
Architect—D. D. Stone, 110 Sutter St.
Contractor—Lindgren and Swinerton, Inc., 625 Standard Oil Bldg. $1000

SERVICE STATION
(640) NW POST and Mason Streets; one-story steel service station.
Owner—Associated Oil Co., 79 New Montgomery Street.
Architects—D. D. Stone, J. A. Bauv, 110 Sutter Street.
Contractor—Lindgren and Swinerton Inc., 625 Standard Oil Bldg. $12,000

ALTERATIONS
(641) NW POWELL and Geary Sts., Saint Francis Hotel; alter Mural room of hotel.
Owner—The Crocker Hotel Co., Post and Powell Streets.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street. $20,000

ALTERATIONS
(642) 198 EMBARCADERO; alter restaurant.
Owner—Peter Tierney, 1292 Church.
Architect—Not Given. $1000

OFFICE
(643) NW OCEAN AVE. AND S. P. Right of Way. One-story frame office.
Owner—SERA, 450 Mission St., San Francisco.
Architect—Not Given. $25,000

DWELLING
(644) SE TWENTIETH AVE. AND Sloat Blvd. One-story and basement frame dwelling.
Owner—A. J. Herzig, 635 Victoria St. San Francisco.
Architect—Not Given. $6000

STORE
(645) S BALBOA ST. 75 W Thirty-eighth Ave. One-story frame store.
Owner—Giuseppe Garibaldi, 1538 Cabrillo St., San Francisco.
Architect—Not Given.
Contractor—A. Sangiacomo and Carlo Ghezzi, 422 9th Ave., $1500

ALTERATIONS
(646) NO. 490 SECOND ST. Alter warehouse.
Owner—H R. Gibson, 987 Sunnyhills Road, Oakland.
Architect—Not Given.
Contractor — Harold E. Paige, 5651 Oak Grove Ave., Oakland. $1500

ALTERATIONS
(647) NO. 3 PRESIDIO TERRACE. Alter dwelling.
Owner—Leonard Wood, % Contractor.
Architect—Not Given.
Contractor — A. L. Thulin, 63 Brady St., San Francisco. $1000

STORES
(648) S BALBOA ST. 32 E Thirty-fourth Ave. One-story frame store building.
Owner—B. Mirsky & Son, 2625 20th St., San Francisco. $3000

ALAMEDA COUNTY

476	Syndicate	Armstrong	5800
477	Continental	Chicago	1000
478	Syndicate	Bernard	3400
479	Syndicate	Bernard	3400
480	Syndicate	Bernard	3000
481	McNeur	Jensen	4490
482	Hart	Lynn	1800
483	Corso	Milton	1800
484	Goodnight	Owner	1000
485	Truzzolino	Cisero	5000
486	Burgis	Rich	4000

DWELLING
(476) NO. 5801 BAGSHOTTE DRIVE OAKLAND. Two-story six-room dwelling.
Owner—Syndicate Idora Co., 12th & Broadway, Oakland.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor — J. R. Armstrong, 1131 Fleet Road, Oakland. $5800

ALTERATIONS
(477) NO. 5601 SAN LEANDRO ST. OAKLAND. Alter tank tower.
Owner—Continental Can Co., Prem.
Architect—Not Given.
Contractor — Chicago Bridge & Iron Works, 204 Rialto Bldg., San Francisco. $1000

DWELLING
(478) 2625 BEACONFIELD PLACE, OAKLAND; 1-story 5-room dwell- and 1-story garage.
Owner—Syndicate Idora Co., % Bank of America, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor — W. Vernon Bernard, R. F. D. Box 18E, Berkeley. $3400

DWELLING
(479) 33 KESWICK COURT, OAKLAND; one-story 5-room dwelli and 1-story garage.
Owner—Syndicate Idora Co., % Ba of America, Oakland.
Architect—Miller & Warnecke, Fina cial Center Bldg., Oakland.
Contractor—W. Vernon Bernard, F. D. Box 18E, Berkeley. $34

DWELLING
(480) 32 KESWICK COURT, OAKLAND; one-story 5-room dwellin
Owner—Syndicate Idora Co., % Ban of America, Oakland.
Architect—Miller & Warnecke, Finar cial Center Bldg., Oakland.
Contractor — W. Vernon Bernard, F. D. Box 18E, Berkeley. $300

GARAGE
(481) S TWENTY-NINTH ST. 10 E Telegraph Ave., OAKLAND One-story brick garage.
Owner — Robt. McNeur, 2850 Telegraph Ave., Oakland.
Architect — Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Jensen & Pedersen, 344 Adeline St., Oakland. $449

REPAIRS
(482) NO. 1340 NINETY-FIFTH AV OAKLAND. Fire repairs and alterations.
Owner—D. Hart, Premises.
Architect—Not Given.
Contractor—Willis F. Lynn, 1037 Ashmount Ave., Oakland. $180

STATION
(483) NO. 1101 TWELFTH STREET, OAKLAND. One-story brick service station.
Owner—Frank Corso, 2146½ Clinton Ave., Alameda.
Architect—R. C. Schuppert.
Contractor—Bryan Milton, 589 Haddon Road, Oakland. $1800

ALTERATIONS
(484) NO. 1919 FIFTIETH AVE., OAKLAND. Alterations.
Owner—J. Goodnight, 1919 50th Ave., Oakland.
Architect—Not Given. $1000

DWELLING
(485) NO. 622 CARBERRY STREET, OAKLAND. One-story fiveroom dwelling.
Owner—Sam Truzzolino, 2267 Shattuck Ave., Berkeley.
Architect—Not Given.
Contractor—John Cisero, 474 42nd St., Oakland. $5000

DWELLING
(486) NO. 6265 ASPINWALL ROAD, OAKLAND. One-story five-room dwelling and garage.
Owner—James Burgis, Prem.
Architect—Not Given.
Contractor—Jas. L. Rich, 556 37th St., Oakland. $4000

SAN FRANCISCO UNDER $1000

LAUNDRY and wash room, $150; 728 Wisconsin St. (ear); owner, Jas. Agapoff, Premises.
ALTER dwelling, $50; 125 Dorchester Way; owner, Mr. Baur, Prem.
GARAGE, private, $60; 239 Arleta St.; owner, Gus Baumann, 251 Raymond St.
SIGN, electric, $50; 2969 Mission St.; owner, Modern Bait Co., Prem.; contractor, Wonderlite Neon, 170 Otis St.

IGN, electric, $150; 1614 Fillmore St.; owner, J. Nabbefeld, Prem.; contractor, Wonderlite Neon, 170 Otis

ALTER laundry, $600; 1726 Polk St.; owntr, W. D. Brown, 21 18th Ave. contracter, Aetna Constr. Co., 238 Arleta St.

ALTER laundry, $100; 318 Divisadero St.; owntr, Soo We, Prem.

ALTER store and club, $900; 534½ Geary St.; owner, Domino Club, Premises.

SIGN,electric, $150; 698 Market St.; owner, Homer Freed, Prem.; contracter, QRS Neon, 690 Potroro.

ALTER store, $185; 472 3rd St.; owner, Mayer Corp., 331 Market St.

GARAGE, private, $150; 728 Wisconsin St.; owner, James Agapeff, 728 Wisconsin St.

GARAGE, private, $200; W 39th Ave. 80 S Irving St.; owner, G. S. Vrionis, 1487 29th Ave.; contracter, Bayshore Concrete Co., 164 Talbot St.

SIGN, $5; 1712 Fillmore St.; owner, Vaceley Vilisoff, 1712 Fillmore St.

ALTER hotel, $64; 935 Kearny St.; owner, L. Hirsh, 935 Kearny St.; contractor, F. Kern & Sons, 517 6th St.

SIGN, electric, $150; 1278 Market St.; owner, Hotel Donis, Prem.; contractor, Wonderlite Neon, 170 Otis

TANK, $450; SE O'Farrell and Stockton Sts., owner, Funkenstein Est. % Architect; architectB. J. Joseph engineer, L. Kegler.

ALTER flats, $700; 820 Bay St.; owner, A. Santini, Prem.; contractor, G. Ferroni & Sons, 1956 Filbert.

ADD to dwelling, $500; SW 24th Ave. and Vicente St.; owner, Marie Sans, 1786 Haight St.

ALTER apartments, $50; 801 25th Ave.; owner, Western Bldg. & Loan, 15th and Franklin Sts., Oakland

ALTER dwlling, $80; 1529 Silver Ave. owner, A. Williams, 2350 San Bruno Ave.

ALTER dwelling, $80; 1525 Silver Ave owner, A. Williams, 2350 San Brune Ave.

SIGN, electric, $350; 1250 Van Ness Ave.; owner, Kresteller Motor Co., 2001 Market St.; contracter, Pioneer Elec. Co., 2843 Market St.

SIGN, electric, $400; 1250 Van Ness Ave.; owner, Kresteller Motor Co., 2001 Market St.; contractor, Pioneer Elec. Co., 2843 Market St.

ALTER flat, $100; 3039 Octavia St.; owner, M. Casinl, Prem.; contracter, Rome Carpenter Shop, 1659 Pewell St.

ALTER flats, $145; 3369 Jackson St.; owner, M. Heller, 4216 California.

ALTER garage, $200; 557 Castro St.; owner, Harry S. Buller, 557B Catro St.

SIGN, electric, $75; 80 Embarcadero; owner, The Port Hole, Premises; contracter, Elec. Prod. Corp., 255 Golden Gate Ave.

SIGN, electric, $50; SW Van Ness & Bush; owner, James F. Waters, Prem.; contractor, Elec. Prods. Corp., 255 Golden Gate Ave.

SIGN, cloth, $5; 893 Market Street; owner, Leed's Shoe Store, 877 Market St.

FLUE (1) patent, $175; 575 25th Ave.; owner, G. D. Contes, Prem.; contractor, National Sheet Metal Works, 3168 Mission St.

SIGN, electric, $75; 4494 Mission St.; owner, Central Drug Co., Prem.; contracter, Elec. Prod. Corp., 255 Golden Gate Ave.

REPAIR fire damage to flats, $425; 2120-22-28-30 Third Street; owner, Bowes & Andrews, 153 Steuart; contractor, Franzen & Parent, 145 Natoma St.

ALTER dwelling, $80; 1519 Silver Ave.; owner, A. Williams, 2350 San Brune Ave.

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

110	Scott	Trellman	1600
111	Scovel	Williams	19250

ALTERATIONS

(110) 315 NORIEGA ST.; alterations to 2-story frame building, cement front.

Owner—Chas. E. Scott, 315 Noriega Street.

Architect—W. H. Armitage, 2218 Webster Street.

Contractor—John Trollman, 49 Liebig.

Filed Dec. 6, '34. Dated Dec. 5, '34.

Front ready for plastering	$600.00
Completion and acceptance	600.00
Usual 35 days	400.00
TOTAL COST,	$1600.00

Bond, $800. Securities, Anna Trellman, Wm. Daumler. Plans and Spec. filed.

DWELLING

(111) S VALLEJO 154-6 W Baker S 60 x W 80; two-story and basement frame dwelling.

Owner—Dr. Ralph E. and Edwina B. Scovel.

Architet—G. W. Travis, 251 Kearny.

Contractor—G. W. Williams Co., Burlingame.

Filed, Dec. 5, '34. Dated, Dec. 4, '34.

When first floor is framed and sub-floored	$ 2887
Frame up, rough plumbing completed	2,887
Slate roof is on	2,887
All plastering completed	2,887
Completion and acceptance	2,887
Usual 35 days	4,815
TOTAL COST,	$19,260

Plans and Spec. filed.

ALAMEDA COUNTY

61	Maye	Bertelsen	4869
62	First	Barthelomai	1100
63	Associated	Early	4488

ALTERATIONS

(61) 15 HILLCREST COURT, Berkeley; alterations and additions to residence.

Owner—Mrs. H. P. Faye, 3038 Hillegass Street, Berkeley.

Architect—G. R. Klinkhardt, 44 Eucalyptus St., Berkeley.

Contracter—S. P. Bertelsen, 30 Estrella Ave., Piedmont.

Filed Dec. 7, '34. Dated, Nov. 30, '34

Monthly payments of	75%
Usual 35 days	25%
TOTAL COST,	$4869.13

ALTERATIONS

(62) SANTA CLARA Ave. and Chestnut Sts., Alameda; alterations, painting, etc.

Owner—First Presbyterian Church of Alameda.

Architect—H. H. Meyers, Kohl Bldg., San Francisco.

Contractor—Emil Bartholomai.

Filed Dec. 7, '34. Dated, Dec. 6, '34.

Work ⅓ completed	$275.00
Work ⅔ completed	275.00
On completion	275.00
Usual 35 days	275.00
TOTAL COST,	$1100.00

Bond, $550. Sureties, Coast Surety Corp. Limit, 40 days. Plans and Spec. filed.

ALTERATIONS

(63) NO. 2395 WEBSTER ST., Oakland. All work for alterations to garage and shop building.

Owner — Associated Oil Co., 79 New Montgomery St., S. F.

Architect—Not Given.

Contracter—Fred J. Early, 369 Pine St., San Francisco.

Filed Dec. 12, '34. Dated Dec. 5, '34.

Completed within 10 days	75%
Usual 35 days	25%
TOTAL COST,	$4488

Bond, $4488. Surety, Glen Falls Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY UNDER $1000

GARAGE, one-story, $260; 2476 Mavis St., Oakland; owner, B. Bradshaw Walnut Creek.

ALTERATIONS and addition, $987; 11881 61st Ave., Oakland; owner, Mrs. Mary Ornellas, Prem.

ALTERATIONC, $350; 1355 81st Ave., Oakland; owner, Mrs. Jessie Alves 2427 Byron St., Berkeley; owner, A. Caqueire, 2851 75th Ave.

ALTERATIONS, $650; 2534 Market St., Oakland; owner, Mrs. Freda Stokes, Prem.; contractor, John F. Bates, 6 Lenox St., Berkeley.

ALTERATIONS, $50; 637 E-19th St., Oakland; owner, Mrs. Smith, 637 E-19th St.

ALTERATIONS, $75; 1074 Ashmount Ave., Oakland; owner, Dr. H. Samuels, Prem.

SIGN, wood, $5; 1137 E-14th Street, Oakland; owner, Chin Thin, Prem

SIGN, electric, $65; 1434 Market St., Oakland; owner, D & L Liquor Store, Premises; contractor, Radiant Neon Display, 2561 San Pablo Ave.

RE-ROOF, $102; 2215 92nd Ave., Oakland; owner, A. DeBello, Prem.; contractor, New Art Roofing Co., 1311 Fruitvale Ave.

RE-ROOF, $80; 933 56th St., Oakland; owner J. Bareilles 933 56th St.; contracter, Yosemite Roofing Co., 3700 Green Acre Road.

RE-ROOF, $100; 2276 Hopkins Street, Oakland; owner, L. M. Miller, Prem.; contractor, P. L .Wiersma 1157 71st Ave.

ALTERATIONS, $225; Boat House, Lake Merritt, Oakland; owner, City of Oakland; contractor, W. Kennon, 1369 Hopkins St.

ADDITION, $135; 6698 Beck Street, Oakland; owner, Louis Selvaggi, 2816 67th Ave.

SIGN, electric, $80; 1811 Park Blvd., Oakland; owner, Parkway Cafe, Prem. contracter, Radiant Neon Display, 2561 San Pablo Ave.

SIGN, metal, $56; 2322 E-14th Street, Oakland; owner, Hollenbeck Paint Co., Prem.; contractor, C. E. Kishell, 2709 Humboldt Ave.

ALTERATIONS, $60; 2339 63rd Ave., Oakland; owner, A. R. Gruggel, 2339 63rd Ave.

ALTERATIONS, $110; 2450 Webster St., Berkeley; owner, Isaiel Evans, 484 44th St., Oakland; contractor, O. E. Hendricks, 1737 E-12th St., Oakland.

ALTERATIONS, $200; 810 Contra Costa St., Berkeley; owner, N. M. Goph, 610 Cragmont Ave.

MILL, planing, one-story 1room, $175; 1001 Gilman St., Berkeley; owner, R. Lincoln, 1309 Stanage St.

ALTERATIONS, $500; 6429 Regent St., Oakland; owner, Eugene T. Frickstad, Prem.

RESHINGLE, $50; 725 Willow Street, Oakland; owner, Louis Ragen, Premises.

TERMITE repairs, $350; 1079 Ashmount Ave. Oakland; owner, Mrs. John P. Clark, Prem.; contractor, Alpine Wood & Supply Co., 2484 Shattuck Ave., Berkeley.

ALTERATIONS, $50; 676 6th Street, Oakland; owner, Carmin Digaeta, Premises.

OFFICE, one-story, $77; 3680 Broadway, Oakland; owner, A. E. Groves, Prem.; contracter, Marshal Shingle Co., 3729 Telegraph Ave.

ALTERATIONS, $20; 1425 94th Ave., Oakland; owner, Mrs. A. Meyers, 9342 E14th St.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

Structural Steel Contract Awarded.
STEEL WORK Cost, $——
MODESTO, Stanislaus Co., Cal. J St.
Steel work for apartment.
Owner—Glice Apartments.
Architect—G. N. Hilburn, 1312 I St., Modesto.
1247 Harrison St., San Francisco.
Concrete work will be done by day's labor.
Structural Steel—Schrader Iron W'ks.

2— BONDS

BONDS FOR SALE.
LOS ANGELES, Cal.—Until Dec. 24, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the sale of $35,000 worth of Arcadia city school district bonds, to bear interest not to exceed 5%. A certified check or cashier's check for 3% must accompany each bid.

3— CHURCHES

Plans Being Figured....
CHURCH Cost, $119,500
WOODLAND, Yolo Co., Cal. Main and Cleveland Streets.
One-story brick church building (Sunday School) to replace one recently destroyed by fire.
Owner—St. John Evangelical Church (Rev. Carl Saenger, Pastor).
Architect — W. E. Coffman, Forum Bldg., Sacramento.
Following are members of the building committee: Joseph Hermle, Fred Goette, Geo. Weiss, Mrs. C. S. Mast, Mrs. Nathaniel Germeshausen, Miss Elsa Sieber and Mrs. Carl Saenger.

4— FACTORIES & WAREHOUSES

To Be Done By Day's Work.
SHOPS Cost, $2000
SANTA CRUZ, Santa Cruz Co., Cal.
One-story corrugated iron machine shop, 20x40 feet and one-story warehouse, 40x80 feet.
Owner—A. K. Salz Co., River Street, Santa Cruz.
Plans by Eng. Dept. of Owner.

Contract Awarded
ALTERATIONS Cost, $5,000
SAN FRANCISCO. S. Shipley 125 W. Fifth Street.
Alterations to factory.
Owner—Mrs. J. Lydig, Premises.
Engineers—Ellison & Russell, 712 Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.

To Ask Bids Shortly.
ALTERATIONS Cost, $3,000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos Street.
Alterations to cannery (concrete floors etc.)
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN JOSE, Santa Clara Co., Cal. 5th and Martha Streets.
Alterations to cannery.
Owner—Baron Grey Co., premises.
Architect—Not Given.
Contractor—J. S. Newell, 838 Minnesota Ave., San Jose.

Sub-Contracts Awarded.
MFG. PLANT Cost, $14,000
SAN JOSE, Santa Clara Co., Calif. New Montgomery Street.
One-story brick and steel iron manufacturing plant (50x137 ft.); tar gravel and part tile roof, concrete and wood floors, etc.
Owner—Harold Hellwig, 577 W. Santa Clara St., San Jose.
Architect—Binder & Curtis, 35 West San Carlos St., San Jose.
Contractor—N. J. Nielsen, 1270 Iris Court, San Jose.
Roofing—Farmers Union.
Plumbing—W. Ehlert.
Electric Wiring—R. Butcher.
Sheet Metal—W. Ehlert.
Glass—Slyvain LeDeit.
Brick and Stone Work—F. Filben.
Lumber—Charles Lumber Co.
Finish Material — Hubbard Lumber Company.
Grading—Pyle Bros.
All bidders of San Jose.

Sub-Bids Being Taken.
ALTERATIONS Cost, $5,000
SAN FRANCISCO. S Shipley 125 W Fifth Street.
Alterations to factory.
Owner—Mrs. J. Lydig, premises.
Engineers—Ellison & Russell, 712 Pacific Building.
Contractor—Barrett & Hilp, 918 Harrison Street.

PLANS COMPLETED.
SAN FERNANDO, Los Angeles Co., Cal.—Architect W. W. Ache, 1616 4th Ave., has completed working drawings for a packing house (114x122-ft.) to be built on Sepulveda Blvd, near the San Fernando Mission, San Fernando, for the San Fernando Heights Orange Association; reinforced concrete construction.

Flooring Contract Awarded.
ALTERATIONS Cost, $8000
SAN FRANCISCO. 657 Mission St.
Alterations and additions to warehouse and offices (install developing plant on second floor).
Owner—Owl Drug Co., 657 Mission St.
Plans by Engineering Dept. of Owner.
Contractor—L. C. Dunn, Monadnock Building.
Flooring—Royal Floor Co., 7th and Brannan Streets.
As previously reported, lumber contract awarded to J. H. McCallum, 748 Bryant St.; painting to A. A. Zelinsky 100 Lake St.; brick work to William Rainey, 323 Clementina St.; plumbing to Fisher & Wolfe, 205 Tehama St.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. 490 Second St.
Alterations to warehouse.
Owner—H. R. Gibson, 987 Sunnyhill Road, Oakland.
Architect—Not Given.
Contractor—Harold E. Paige, 565 Oak Grove Ave., Oakland.

6—GARAGES & SERVICE STATIONS

Plans Being Figured.
SERVICE STATION Cost, $7000
BURLINGAME, San Mateo Co., Cal. Adeline St. and El Camino.
Steel service station.
Owner—Standard Oil Company.
Plans by Engineering Dept. of Owner

Low Bidder.
GARAGE Cost, $15,000
REDDING, Shasta Co., Cal. California Street.
One-story reinforced concrete garage building (steel trusses, steel sash, concrte floors, tar and gravel roof, etc.)
Owner—Thatcher & Lowden.
Architect — O. A. Deichmann, 1101 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Low Bidder—J. P. Brennan, Redding at $16,945.
Bids held under advisement.

Planned.
SERVICE STATION Cost, $——
SAN LEANDRO, Alameda Co., Cal. SW Bancroft Ave. and Broadmoor Blvd.
New gasoline service station.
Owner—J. H. Tarman.
Architect—Not Given.
An application has been filed with the city clerk to establish the station. Hearing will be held on Dec. 17, 8 P. M.

Contract Awarded.
SERVICE STATION Cost, $12,000
SAN FRANCISCO. NW Post and Mason Streets.
One-story steel service station.
Owner—Associated Oil Co., 79 New Montgomery Street.
Architect—D. D. Stone and J. A. Bauv 110 Sutter Street.
Contractor—Lindgren and Swinerton, 225 Bush Street.

Sub-Contracts Awarded.
SERVICE STATION Cost, $——
PALO ALTO, Santa Clara Co., Calif. El Camino Real and University Avenue.
Construct new service station (reinforced concrete construction).
Owner—Standard Oil Co., 225 Bush St., San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—C. N. Swenson, 355 Stockton Avenue, San Jose.
Roofing—Fred. Hayden, San Jose.
Plumbing—H. P. Hanson, Palo Alto.
Sheet Metal—C. L. Shelley, Palo Alto.
Glass—West Coast Glass Co., Palo Alto.
Lumber — Merner Lumber Co., Palo Alto.
Plastering—Ira S. Bridges, Palo Alto.
Finish Material—Merner Lumber Co., Palo Alto.
Steel—Independent Iron Works, 1821 Chase St., Oakland.

Sub-Contracts Awarded.
SERVICE STATION Cost, $7,000
ALAMEDA, Alameda Co., Cal. Lincoln and Park Streets.
Steel and Concrete service station.
Owner—General Petroleum Corp., 519 19th Street, Oakland.

Plans by Engineering Dept. of Owner.
Contractor—F. C. Stolte, 3449 Laguna Street, Oakland.
Structural Steel — Independent Iron Works, 821 Pine St., Oakland.
Electric—Scott-Buttner Co., 23rd and Webster Sts., Oakland.

Taking Revised Steel Bids.
GARAGE Cost, $15,000
REDDING, Shasta Co., Cal. California Street.
One-story reinforced concrete garage building (steel trusses, steel sash, concrete floors, tar and gravel roof, etc.,
Owner—Thatcher & Lowden.
Architect—O. A. Deichmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Revised steel bids are being received by the Architect from previous low bidders.
As previously reported J. P. Brennan, Redding, at $16,940 submitted low bid.

7— FEDERAL BUILDINGS

BIDS WANTED
SAN FRANCISCO.—Until Dec. 19, 11 A. M., bids will be received by the District Public Works Officer, 12th Naval District, 100 Harrison Street, for repairs to Quarters No. 1 at the U. S. Receiving Station, Yerba Buena Island.
Plans and specifications may be obtained from the above office upon deposit of $5.00.

Bids Wanted—To Close Jan. 4, 1 P.M.
POST OFFICE Cost, $——
McMINNVILLE, Oregon.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above office upon deposit of $15.00.

BIDS OPENED
PEARL HARBOR, T. H.—Ralph E. Woolley, Honolulu, at $15,215 submitted low bid to 14th Naval District, Pearl Harbor, for interior partitions for the General Facilities Building, Pearl Harbor; Spec. No. 7837.
Complete bids follow:

R. E. Woolley, Honolulu	(1)	$15,215
	(2)	4,800
	(3)	150
Honolulu Paper Co.	(1)	$15,300
	(2)	4,460
	(3)	150
Young Engr. Co., Honolulu	(1)	$17,000
	(2)	4,000
	(3)	125
Metal Equip. Corp., Honolulu	(1)	$18,209
	(2)	5,500

CONTRACT AWARDED
FRANCE FIELD, C. Z.—Tucker E. McClure, P. O. Box 5035, Cristobal, C. Z., at $177,540 awarded contract by the War Department, Washington, D. C., for the construction of Hangar No. 44 at France Field.

Contract Awarded.
COMPLETE P. O. Cont. Price, $32,180
LONG BEACH, Los Angeles Co., Cal.
Finishing 4th, 5th, 6th and 7th floors of the Long Beach Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor—Theo. A. Beyer Corp., 3680 Fairway Blvd., Los Angeles.

Bids Wanted—To Close Jan. 7, 1 P.M.
POST OFFICE Cost, $63,800
TURLOCK, Stanislaus Co., Calif.
One-story U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above office upon deposit of $15.00.

Bids Wanted—To Close Jan. 9, 1 P.M.
POST OFFICE Cost, $63,800
SOUTH PASADENA, Los Angeles Co. Calif.
One-story U. S. post office building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above office upon deposit of $15.00.

BIDS WANTED
NEPHI, Utah.—Until January 2, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting plaster, etc., in the United States post office at Nephi. Specifications may be obtained from the above office.

Late Low Bid.
POST OFFICE Cost, $56,300
MONTESANO, Washington.
U. S. Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
A late low bid was submitted by Reid Constr. Co., Aberdeen, Wash., at $37,870 (item 1) and $37,570 (item 2).
Complete bids will be published shortly.

CONTRACT AWARDED
SAN FRANCISCO.—R. S. Silverberg, 405 Montgomery Street, at $98.00 was awarded contract by Veterans' Administration Facility for the installation of one overhead door, garage entrance Building No. 11 at Fort Miley.

CONTRACT AWARDED
FRANCE FIELD, C. Z.—H. B. Nelson Const. Co., Atlanta, Ga., and Box 5013, Cristobal, C. Z., at $92,540 were awarded contract by War Department for the construction of armament, parachute, radio and photo laboratory, paint and dope house with appurtenances and utilities at France Field.

BIDS OPENED
SAN FRANCISCO—R. S. Silverberg 405 Montgomery St., at $213 submitted low bid to U. S. Marine Hospital for work as follows:
(1) Roof repairs, Main building No. 1; (a) plaster repairs.
(2) Roof repairs, Attendants quarters building No. 7.
(3) Nurses' Quarters Bldg. No. 8:
(a) Roofing repairs.
(b) Pointing of steps, west end of building.
(c) Calking and pointing pilasters west end.
(d) Calking threshold east doors, and both side lights of center entrance portico.
(4) Plague Laboratory, Bldg. No. 19:
(a) repair copper parapet flashings and cornice.
(5) Plaster repairs in Bldg. No. 2:
(Sterlizing room and stair well).
Complete bids follow:

R. S. Silverberg	$213	30 days
Nick Hemminga	275	30 days
Thomas M. Jones	348	26 days
Alta Roofing Co.	363	20 days
Phoenix Simpton Co.	430	30 days

Complete Bid Listing.
POST OFFICE Cost, $52,800
HUNTINGTON BEACH, Orange Co.
United States Post Office Building.
Owner—United States Government.
Plans by the Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—L. F. Dow, 414 Rowan Bldg., Los Angeles.
Complete bids follow:

L. F. Dow Co., Los Angeles	$33,461
Wesco Constr. Co., L. A.	33,799
R. E. McKee, Los Angeles	34,300
Theo. A. Beyer Corp., L. A.	34,928
Bettenson Constr. Co., Long Beach	35,620
Schuler & McDonald, Inc, Oakland	35,747
Wm. MacDonald Constr. Co., St. Louis, Mo.	41,217

Complete Bid Listing.
POST OFFICE Cost. $——
SANTA PALUA, Ventura Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder — W. L Snook, 210 La Arcade Bldg., Santa Barbara.
Complete bids follow:

W. L. Snook, Santa Barbara	$35,800
Wesco Const. Co., Los Angeles	35,900
Robt. E. McKee, Los Angeles	35,950
Theo. A. Beyer Corp., L. A.	38,723
Schuler & McDonald, Inc., Oakland	38,773
Wm. MacDonald Construction Co., St. Louis, Mo.	42,386

Contract Awarded.
PALO ALTO, Santa Clara Co., Cal. —C. M. Norgrove, 2220 Roosevelt St., Berkeley, at $21,975 awarded contract by Veterans Administration Facility, for complete revision to Building No. 105 at the Veterans' Administration Facility, Palo Alto. Work involves wrought iron and wire grilles and remodeling of interior for use as mental ward.

Low Bidder.
POST OFFICE Cost, $——
NEWBERG, Oregon.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Hoffman Const. Co., 715 SF Columbia, Portland, Oregon.
(1) $36,870; (2) $36,600.
Complete bids will be published shortly.

Complete Bid Listing.
POST OFFICE Cost, $66,000
REDWOOD CITY, San Mateo Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—K. E. Parker Co., 135 South Park, San Francisco.
Complete bids follow:

K. E. Parker Co., S. F.	$39,590
Robt. McCarthy, S. F.	39,747
Geo. Peterson, San Leandro	40,400
Wm. Spivock, S. F.	41,840
Leo Epp, San Francisco	44,100
Alf. H. Vogt Co., Inc., S. F.	46,900
Geo. J. Maurer, Piedmont	47,500
Schuler & McDonald, Oakland	48,437
Wm. MacDonald Const. Co., St. Louis, Mo.	55,454

BIDS WANTED
MODESTO, Stanislaus Co., Cal.—Until January 7, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for painting the plaster, etc., in the U. S. post office, etc., at Modesto. Specifications may be obtained from above office and from the Custodian of the Building at Modesto.

Bids Wanted—To Close January 4, 1 P. M.
POST OFFICE Cost, $70,000
McMINNVILLE, Oregon.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.

Plans and specifications may be obtained from the above office upon deposit of $15.00.

CONTRACT AWARDED

SAN FRANCISCO.—R. S. Silverberg, 405 Montgomery Street, at $418 was awarded contract and has started construction of a pool and main court at the Veterans' Administration Facility, Fort Miley, San Francisco.

LOW BIDDERS.

RENO, Nev.—Wade H. Wine, 1921 Plumas St., Reno, at $21,750 submitted low bid to Treasury Department for construction of ballustrades and retaining wall at the U. S. Post Office at Reno. Second low bid was submitted by Theo. Johanns, 2020 15th St., San Francisco, at $21,800

CONTRACT AWARDED

MARE ISLAND, Cal.—San Francisco Elevator Co., 860 Folsom St., San Francisco, at $1336 awarded contract by Navy Department for remodeling an existing elevator at the U. S. Navy Yard, Mare Island. Spec. No. 7846.

9— HOSPITALS

Contract Awarded.

ALTERATIONS Cont. Price, $2680

WOODLAND, Yolo Co., Calif. County Hospital Grounds.

Alterations to half of basement to provide for 30 additional beds at Yolo County Hospital (basement to be walled and floored with concrete; heating and plumbing facilities, etc.)

Owner—County of Yolo.

Architect—O. A. Deichmann, 110 Sutter St., San Francisco.

Contractor—J. G. Motroni, Woodland.

Plumbing and Heating — Woodland Plumbing & Hardware Co., Woodland, at $923.

Complete bids follow:

J. G. Motroni, Woodland.....$2680
Harry Brindle, Sacramento..... 2677
Chas. F. Unger, Sacramento..... 3070

BIDS WANTED

MONO COUNTY, Calif.—Until Dec. 17, 2 P. M., bids will be received by D. P. Nicklin, purchasing agent of the Los Angeles Water and Power Bureau, room 740, 207 South Broadway, for furnishing and installing one automatic air conditioning system in the department hospital at West Portal Camp, Mono Craters Tunnel Project, Mono County; Spec. No. 1570.

TO BE DONE BY DAY'S WORK.

OAKLAND, Calif.—The SERA will raze the old Emergency Hospital, located in the rear of the Hall of Records at Fifth and Franklin Streets, Oakland, and move materials to the Fairmount Hospital, Foothill Blvd. and County Road, Oakland.

Preparing Plans.

DORMITORIES Cost, $150,000

OAKLAND, Alameda Co., Cal. Foothill Blvd. and County Road.

Replace dormitories K and L at the Fairmount Hospital (type of construction not determined).

Owner—County of Alameda.

Consulting Architect—Wm. G. Corlett, Bank of America Bldg., Oakland.

Labor will be furnihed by the SERA and materials will be purchased by the County. Further details will be announced shortly.

Contract Awarded.

SAN FRANCISCO—Richmond Tile Company, 1024 Clement St., at $212.65 awarded contract by U. S. Marine Hospital for repairs to tile, both ceramic and glazed, in the kitchen, first and second floors and in nurses quarters at the U. S. Marine Hispital, 14th Ave. and Lake St., San Francisco.

10— HOTELS

FIRE LOSS.

SAN FRANCISCO.—Fire destroyed the Colonial Ballroom and adjacent portions of the St. Francis Hotel Dec. 6. Damage estimated at $150,000. Upon adjustment of fire insurance plans will be announced for rebuilding.

Contract Awarded.

ALTERATIONS Cost, $1500

SAN FRANCISCO. NE Geary and Mason Streets.

Alterations to hotel.

Owner—Fielding Hotel, Premises.

Architect—D. D. Stone, 110 Sutter St. San Francisco.

Contractor — Lindgren & Swinerton, Inc., 625 Standard Oil Bldg., San Francisco.

Contract Awarded.

ALTERATIONS Cost, $20,000

SAN FRANCISCO. NW Powell and Geary Streets.

Alterations to mural room of hotel.

Owner—The Crocker Hotel Co., Post and Powell Streets.

Architect—Not Given.

Contractor—Ira W. Coburn, 2048 Market Street.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

CONTRACT AWARDED

SAN QUENTIN, Marin Co., Calif.—Pacific Elevator and Equipment Co., 45 Rausch St., San Francisco, at $4,881 awarded contract by State Department of Public Works for furnishing and installing a passenger elevator at the Hospital, San Quentin State Penitentiary.

BIDS WANTED

SALINAS, Monterey Co., Cal.—Until January 7, 10 A. M., bids will be received by C. F. Joy, Clerk, Board of Supervisors, Salinas, for furnishing and installing tool-resisting steel gratings for sixteen windows on the second floor of the Monterey County Jail, located at Alisal and Cayuga streets, Salinas.

Plans and specifications may be obtained from above office and from the office of the County Surveyor, Salinas.

LOW BIDDER.

SAN QUENTIN, Marin Co., Calif.—Patterson & Koster Iron Works, 280 13th St., San Francisco, at $348 submitted low bid to the State Purchasing Department, Sacramento, for steel stairs at San Quentin.

PLANNED

SEBASTOPOL, Sonoma Co., Cal.—The Sebastopol City Hall has been declared unsafe for use. The city council will discuss ways and means for either razing present building and constructing a new modern building or reconstructing present structure to make it safe. Further details will be announced shortly.

PLANNED

SAN BERNARDINO, Calif.—O. W. Seccombe, mayor of San Bernardino, this week stated that unless provisions are made prior to the April elections for the construction of a new city hall which will include a jail, the municipal ballot will probably include a proposition for a special emergency bond issue to finance the construction of a separate jail.

BIDS OPENED

FOLSOM, Sacramento Co., Calif.—Following submitted identical bids to State Purchasing Department, Sacramento, at $5,451 for furnishing 405 water closets and at $4,483 for furnishing 405 lavatories, for the State Prison at Folsom:

Crane Co., San Francisco.
Dallman Supply Co., Sacramento.
Richmond Sanitary Co., San Francisco.
Tay - Holbrook, San Francisco.
Walworth California Co., San Francisco.
P. E. O'Hair, San Francisco.
Scott Mchy. Co., San Francisco.
United Pipe Co., San Francisco.
West Coast Sanitary Mfg. Co., San Francisco.
Pacific Plumbing Co., San Francisco.
General Supply Co., San Francisco.
Dalziel Moller Co., San Francisco.
Globe Plumbing Co., Los Angeles.
Olson & Heffernan, San Francisco.
Dunham, Carrigan & Hayden, San Francisco.
Moran Plumbing Supply Company.

OAKLAND, CALIF. — BIDS OPENED — COURTHOUSE

COURT HOUSE Cost, $1,800,000

OAKLAND, Alameda Co., Cal. Fallon and Twelfth Streets, Oak and 13th

Twelve-story fireproof court house (structural steel frome, reinforced concrete walls, permanent and earthquake resistive, plumbing, heating, ventilating, electric work, elevators (to house all county offices and courts) three lower floors to be 176x245 ft. and upper floors 116x116 feet.

Owner—County of Atameda.

Architects—W. G. Corlett, James E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).

Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.

Complete bids follow:

Building Complete (Proposal No. 1)

(1) work complete;
(2) deduct of jail is omitted;
(3) add if terra cotta is used in lieu of concrete cast-in moulds;
(4) add if oak is substituted for Philippine mahogany;
(5) add if birch is used in lieu of Philippine mahogany;
(6) add if Kraftile is used in lieu of wainscot tile;
(7) deduct if terrazzo is used in lieu of granite for exterior stairs;
(8) deduct if lime stone is used in lieu of granite for exterior stairs;
(9) add if Schlage locks are used;
(10) add if pre-registered control is used for passenger elevators;
(11a) add for each additional cu. yd. of excavation;
(11b) add for do, general trench;
(12) add for each additional surface foot of forms;
(13) add for each additional pound of reinforcing steel;
(14) add for each additional cu. ft. of 1-7 concrete;

Bidders follow:

(A) MacDonald & Kahn, Ltd., Financial Center Bldg., San Francisco. (1) $1,515,151.00.
(B) Geo. Wagner, 181 South Park and K. E. Parker Co., 135 South Park, San Francisco, (1) $1,562,500.00.
(C) Clinton Const. Co., 923 Folsom St., San Francisco, (1) $1,603,000.

Unit bids follow:

	(A)	(B)	(C)
( )...	$90,000.00	$96,284.00	$90,000.00
( )...	44,500.00	36,600.00	43,000.00
( )...	16,000.00	10,084.00	9,500.00
( )...	10,000.00	7,861.00	7,000.00
( )...	400.00	.....	.....
( )...	5,000.00	6,511.00	4,800.00
( )...	3,000.00	3,000.00	2,700.00
( )...	1,800.00	1,700.00	1,700.00
( )...	.....	50.00	.....
(a)...	.40	.30	.60
(b)...	1.25	2.00	2.50
( )...	.14	.15	.18
( )...	.04	.0425	.05
( )...	.35	.26	.37
	540 days	540 days	550 days

Building Complete, Omitting Jail (Proposal No .2)

) deduct if certain work on 10th & 11th floors is omitted.

Bidders follow:

acDonald & Kahn, Ltd., $1,443,441; (1) $20,000.

eorge Wagner and K. E. Parker Co. $1,491,189; (1) $24,794.

Clinton Construction Co., $1,500,000; (1) $21,000.

Items 3 to 14 identical with items under Proposal No. 1.

Building With Certain Omissions (Proposal No. 3)

(1) work complete, omitting excavation, foundations, jail equipment, structural steel, elevators, plumbing, heating, ventilating and air conditioning;

(2) deduct if certain work on 10th & 11th floors is omitted.

Items 3 to 9 identical with items under Proposal No. 1.

Bidders follow:

(A) MacDonald & Kahn, Ltd., San Francisco.

(B) George Wagner and K. E. Parker Co., San Francisco

(C) Clinton Const. Co., San Francisco.

(D) Dinwiddie Const. Co. and P. J. Walker Company.

(E) Lindgren & Swinerton, Oakland.

(F) Fredrickson & Watson, Oakland.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
).....	$897,798	$901,890	$911,000	$919,300	$978,320	$1,117,700
).....	9,000	10,700	8,800	10,700	7,200	7,085
).....	44,500	36,600	40,000	38,900	42 000	21,143
).....	16,000	10,084	9,500	11,231	13,000	20,083
).....	10,000	7,861	7,000	8,917	11,000	1,735
).....	400	.....	.....	.....	.....	..
).....	5,000	6,511	4,800	5,308	5,246	3,223
).....	3,000	3,000	2,700	3,261	3,200	1,561
).....	1,800	1,700	1,700	1,566	1,690	1,803
	400 days	410 days	450 days	600 days	450 days	400 days

Excavation and Foundation (Proposal No. 4)

1) excavation and foundations;

2) add for each additional cu. yd. of excavation;

2a) add for do. general trench;

3) add for additional surface foot of forms;

4) add of each additional pound of reinforcing steel;

5) add for each additional cu. ft. of 1-7 concrete;

Bidders follow:

(A) Dinwiddie Const. Co. and P. J. Walker Co., San Francisco.

(B) J. Catucci, Oakland.

(C) Clinton Const. Co., San Francisco

(D) Alfred H. Vogt, San Francisco.

(E) MacDonald & Kahn, San Francisco.

(F) Fredrickson & Watson, Oakland.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
1).	$52,000.00	$59,631.00	$61,000.00	$62,435.00	$65,000.00	$81,300 00
2).....	.45	.55	.60	.25	.50	1 00
2a).....	.85	1.00	2.50	1.50	1.50	2 00
(3).....	.15	.15	.16	.08	.16	.20
(4).....	.045	.0425	.05	.035	.05	.0
(5).....	8.00	8.00	.37	.30	.40	.50
	(yard 120 days	(yard) 120 days	120 days	150 days	100 days	150 days

Structural Steel (Proposal No. 5)

Pacific Coast Steel Corp., San Francisco, $158,416; 150 days.

Columbia Steel Co., San Francisco, $164,000; 170 days.

Herrick Iron Works, Oakland, $169,760; 150 days.

Judson - Pacific Co., San Francisco, $179 000; 120 days.

Consolidated Steel Corp., San Francisco, $184,100; 180 days.

Minneapolis Steel & Machinery Co., San Francisco, $210,000; 180 days.

Elevators (Proposal No. 6)

Pacific Elevator & Equipment Co., 45 Rausch St., San Francisco, $104,126; 200 days.

Otis Elevator Co., San Francisco, $104,387; 400 days.

Westinghouse Electric Elevator Co., San Francisco, $110,900; 365 days.

Mechanical Work (Proposal No. 7)

(1) plumbing, heating, ventilating & air conditioning;

(2) deduct if certain work is omitted.

Alta Electrical & Mechanical Co., 467 O'Farrell St., S. F. ..... (1) $228,880 ..... (2) 11,000 300 days

Schuster & Hudson, Oakland ..... (1) $238 446 ..... (2) 11,776 365 days

Anderson & Rowe, S. F. ..... (1) $242,500 ..... (2) 9,300

J. A. Nelson, Inc., S. F. ..... (1) $244 300 ..... (2) 10,000

F. W. Snook, S. F. ..... (1) $249,764 ..... (2) 13,093 365 days

Scott Co., San Francisco ..... (1) $263,916 ..... (2) 12 109 660 days

Jail Equipment (Proposal No. 8)

Pacific Electric Mfg. Co., 5815 Third St., San Francisco, $68,985; 150 days.

Judson Pacific Co., $78,275; 150 days

Herrick Iron Works, Oakland, $90,649; 180 days.

All bids held under advisement until Dec. 14, 3:30 P. M.

WILLIAMS FORM AND COLUMN CLAMPS
FOR
ECONOMY and EFFICIENCY
Wm. J. Burke & Co., 200 Davis St., San Francisco, Douglas 8520
WESTERN DISTRIBUTORS
WAREHOUSES
Los Angeles - Portland Seattle Salt Lake City

14— RESIDENCES

Contract Awarded.

RESIDENCE Cost, $—

ORINDA, Contra Costa Co., Calif.

Two-story frame and stucco residence (7 rooms, 3 baths) shingle roof, oil hot air heating system, stucco walls, hardwood floors, tile baths.

Owner—Garry Owen.

Architect—W. W. Wurster, 260 California St., San Francisco.

Contractor—Frank G. Appelbe, 2405 Acton St., Berkeley.

Sub-Contracts Awarded.

RESIDENCE Cost, $6000

LOS GATOS, Santa Clara Co., Calif. Ellen and Short Subdivision.

Two-story frame and stucco residence.

Owner—L. P. Dyer, Ellenwood Ave., Los Gatos.

Plans by C. Lundgren, 1496 Willard St., San Francisco.

Contractor — Anton M. Jensen, Los Gatos.

Plumbing — Fred Berryman & Son, Los Gatos.

Electric Wiring — Delwin C. Heath, Los Gatos.

Heating, Sheet Metal and Furnace— Fred Berryman, Los Gatos.

Tile Work — Simpson Tile Co., San Jose.

Mantel—L. G. Huntting, Los Gatos.

Foundations—A. Tonelli, Los Gatos.

Brick and Stone Work—L. G. Huntting, Los Gatos.

Painting—A. L. Norman, Los Gatos.

Lumber—Sterling Lumber Co., Los Gatos.

Hardware — A. W. Templeman, Los Gatos.

Lathing and Plastering—Stanley Sanders, Los Gatos.

Finish Material — Pacific Mfg. Co., Santa Clara.

Plans Being Figured.

RESIDENCE Cost, $12,000

WALNUT GROVE, Contra Costa Co.

Two-story and basement frame residence (rustic extrior, shingle roof, hot air heating system, hardwood floors, tile baths, etc.

Owner—Withheld.

Architect—F. W. Confer, 2812 Russell St., Berkeley.

Fred Engberg, Route 5, Box 2065, Sacramento, is the only contractor figuring the plans.

Plans Being Prepared.

RESIDENCE Cost, $7000

OAKLAND, Alameda Co., Calif. Piedmont Pines Tract

One and one-half-story frame and brick residence (7 rooms and 2 baths) hot air heating system, tiled baths, steel sash, oak floors.

Owner—Helen Bennett.

Architect—Fred. Confer, 2812 Russell Street, Berkeley.

Construction Started.

RESIDENCES Cost $3000 each

MARTINEZ, Contra Costa Co., Cal. Pacheco Road W Vine Hill School

Five one-story wood frame residences (4 rooms each) rustic exterior, shingle roof, oak floors, tile baths etc.

Owner—R. J. McMullen Co., 1305 Franklin St., Oakland.

Plans by Engineering Dept. of Owner.

Contractor — A. H. Monez, 4350 Bridgeview Ave., Oakland.

A group of fifteen residence will be constructed at a later date.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. 3 Presidio Terrace.
Owner—Leonard Wood, % contractor.
Architect—Not Given.
Contractor—A. L. Thulin, 63 Brady.

Contract Awarded
RESIDENCE Cost, $6000
MODESTO, Stanislaus Co., Cal. Sycamore Street.
Two-story frame and stucco residence (7 rooms and 2 baths), gas furnace, shingle or heavy shake roof)
Owner—Leslie F. Baker.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Contractor—M. O. Ward, Waterford Road, Modesto.

To Be Done By Day's Work.
RESIDENCE Cost, $2000
SANTA CRUZ, Santa Cruz Co., Cal. 34 Green Street.
One-story frame residence (5 rooms) stucco exterior.
Owner—Ella Bostwick, Santa Cruz.
Architect—Not Given.

Contract Awarded
RESIDENCE Cost, $6000
OAKLAND, Alameda Co., Calif. 5801 Bagshotte Drive.
Two - story frame and stucco residence (six rooms).
Owner—Syndicate Idora Co., Broadway and 12th Sts., Oakland.
Architect—F. L. Confer, 2812 Russell St., Berkeley.
Contractor — J. R. Armstrong, 1131 Fleed Road, Oakland.

Contracts Awarded.
COTTAGE Cont. Price, $3391
WOODLAND, Yolo Co., Cal. County Hospital Grounds.
One-story frame warden's cottage (5 rooms) part tile roof, etc.
Owner—County of Yolo.
Architect — O. A. Deichman, 110 Sutter St., San Francisco.
Contractor—Roth Bros., Woodland.
Plumbing—Fred McGrew, Woodland, at $208.
Complete bids follow:
Roth Bros., Woodland.....$3391
H. S. Brindle, Sacramento..... 3498
Petersen & Steinbrenner Sacto... 3542
Chas. Unger, Sacramento..... 3577
J. G. Motroni, Woodland..... 3948

Contract Awarded.
RESIDENCE Cost, $3000
SAN MATEO, San Mateo Co., Cal. No. 1728 Gum Street.
One-story frame and stucco residence (4 rooms).
Owner—Lorenzo Figoni, 1712 Ivy St., San Mateo.
Architect—Not Given.
Contractor—H. Hultberg, 29 San Mateo Drive, San Mateo.

COMPLETE BIDS
EL MONTE, Cal.—N. A. Anderson and Harold Hansen, 414 Rowan Bldg., Los Angeles, submitted low bid to the Division of Subsistence Homesteads Department of the Interior, December 3, at $169,122 (proposition No. 1), for the construction of the government's subsistence homestead project near the intersection of Peck Road and Lower Azusa Road, northeast of El Monte. Anderson & Hansen's bid does not include the 89 individual garages, which they propose building for $120 each. C. J. Dorfman, 124 N. La Brea Ave., Los Angeles, submitted the second low bid at $169,969 on proposition No. 1 and approximately $137 each for the individual garages. Monolith Construction Co., 1968½ Cordova St., Los Angeles, was third at $172,645 on proposition No. 1. All work is included in the general contract, which calls for furnishing all labor and materials, with the exception of plumbing fixtures and finish, hardware, for the construction of 100 dwellings, eleven of which will have attached garages, and 89 individual garages. The houses will be wood frame structures with concrete foundations and floors, waterproofing materials, siding and shingle exteriors, wood shingle and shake roofs, wood lath & plaster partitions, wood sash, galvanized screen, pine trim, cesspools, electric bathroom heaters, radio wiring, gas wall heaters, etc. Joseph Weston, 701 Cogswell Road, El Monte, is the architect, and Ross H. Gast, Oak St., Route 2, El Monte is the project manager. Other bids were: Harvey Nichols, $191,531; Wm. C. Crowell, $201,962.70; E. S. McKittrick Co. & J. E. Burrell, $204,957; Lynch-Cannon Engineering Co., $209,675; Bannister-Field Co., $232,200.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 315 Noriega Street.
Alterations to frame residence.
Owner—Charles E. Scott, 315 Noriega St., San Francisco.
Architect — W. H. Armitage, 2218 Webster St., San Francisco
Contractor—John Trollman, 49 Liebig St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $4869
BERKELEY, Alameda Co., Calif. 15 Hillcrest Court.
Alterations and additions to residence.
Owner—Mrs. H. P. Faye, 3038 Hillegass St., Berkeley.
Plans by Geo. R. Klinkhardt, 44 Eucalyptus St., Berkeley.
Contractor—S. J. Bertelsen, 30 Estrella Ave., Piedmont.

Construction Started.
RESIDENCE Cost, $8500
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame and stucco residence (7 rooms and 2 baths) tile roof, hot air heating system, hardwood floors, tile baths, etc. (Spanish style).
Owner—Roy Peterson.
Architect—A. W. Story, Pajaro Valley Bank Bldg., Watsonville.
Contractor—T. H. Rosenwall, 422 3rd St., Watsonville.
The concrete foundations have been poured.

Contract Awarded.
RESIDENCE Cost, $5000
ON THE RUSSIAN RIVER. Hacienda
Two-story wood frame residence (7 rooms, 3 sun porches and 2 baths)
Owner—Elsie P. Bond, % architect.
Architect—Farr & Ward, 68 Post St., San Francisco.
Contractor—J. P. Christensen, Forestville.

To Be Done By Day's Work.
RESIDENCE Cost, $5200
SAN JOSE, Santa Clara Co., Calif. 1587 Shasta Avenue.
Two-story frame and stucco residence (six rooms).
Owner—Rollie Williams, 1497 Shasta Ave., San Jose.
Architect—Not Given.

Plans Being Figured.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two-story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors (type of heating not determined).
Owner — Wm. Srakelton, 429 College Ave., Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

To Be Done By Day's Work.
RESIDENCE Cost, $6000
SAN FRANCISCO. SE Twentieth Ave. and Sloat Blvd.
One-story and basement frame and stucco residence.
Owner and Builder—A. J. Herzig, 635 Victoria St., San Francisco.
Architect—Not Given.

15— SCHOOLS

BONDS VOTED.
SANGER, Fresno Co., Calif.—Sanger Union High School District has voted bonds in the amount of $40,000 to finance construction of a one-story gymnasium at the Sanger High School for the Sanger Union High School District. Plans being prepared by Architect W. D. Coates, 626 Rowell Building, Fresno.

CONTRACTS AWARDED.
LONG BEACH, Cal.—J. K. Thomas, 700 Kress Bldg., Long Beach, awarded general contract by Long Beach board of education at $163,700 (using salvaged materials) for construction of the academic building at Franklin junior high school site. Other contracts awarded were: B. Hartman, 168 Sunset St., Long Beach, electric wiring at $9199; O. E. Ross, 1850 Pacific Ave., Long Beach, plumbing at $5287; Clarke Plumbing Co., 3304 E. 7th St., Long Beach, plumbing and ventilating at $14,702. Plans prepared by Architect Geo. D. Riddle, 2826 Cedar Ave., Long Beach.

Completing Plans.
DORMITORY Cost, $100,000
OAKLAND, Alameda Co., Cal. Mills College Campus.
Two - story dormitory (wood frame construction; 60 beds).
Owner—Mills College.
Architect — W. H. Ratcliff, Chamber of Commerce Bldg., Berkeley.
Mgr. of Const. — John Brown, Mills College, Oakland.
Segregated bids will be asked about January 15.

Completing Revised Plans.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Calif.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School Dist.
Architect — Harry Devine, California State Life Bldg., Sacramento.
Bids will be asked in about 2 weeks.

To Purchase Materials.
ALTER SCHOOL Cost, $35,694
BERKELEY, Alameda Co., Cal. Tacoma and Colusa Avenues.
Alterations and reconstruction of the Thousand Oaks School.
Owner—Berkely School District.
Engineer—Thomas F. Chace, Claus Spreckles Bldg., San Francisco.
Consulting Architect—E. T. Spencer, Spreckles Bldg., San Francisco.
Work will be done under the SERA and materials will be purchased by the Berkeley School District. Estimated cost, $19,064.

Prospective Bidders.
SCHOOL Cost, $——
VALLE VISTA, Alameda Co., Calif. Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 191 Main St., Hayward.

Following have procured plans; bids close Dec. 15, 8 P. M.:
Nielsen & Lahti, 2328 Acton Street, Berkeley.
George Petersen, 1841 Bancroft Ave. San Leandro.
Albert Haskell, 255 Ridgeway Ave., Oakland.
A. Cederborg, 1455 Excelsior Ave., Oakland.
John Branagh, 354 Hobart Street, Oakland.
J. R. Armstrong, 1131 Fleed Road, Oakland.
N. H. Sjoberg, Call Building, San Francisco.
Willis Lynn, 1037 Ashmount Ave., Oakland.
Bids will be opened at the residence of Mr. Guy Cauble, Dixon St., Valle Vista, four miles from Hayward.
Plans and specifications may be obtained from Mr. McCall upon deposit of check in the amount of $25 made payable to Guy Cauble.

Funds Allotted.
SCHOOL Cost, $45,600
CLOVERDALE, Sonoma Co., Calif.
One-story frame and stucco high school District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
PWA has allotted $45,600 to the Cloverdale Union High School District to finance construction. A bond election will be held in the near future.

BIDS WANTED
SAN FRANCISCO—Until December 12, 2:30 P. M., bids will be received by the Department of Public Works, Room 251, City Hall, for painting the following schools:
Bayview School — NE Bay View and Flora Streets.
Denman School — Pierce, Fell and Hayes Streets.
John Swett School — McAllister St., between Franklin and Gough Sts.
Adams School — Eddy St., between Van Ness Ave. and Polk St.
Estimated cost, $8900.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall. No deposit required.

Additional Sub-Contracts Awarded.
IMPROVE SCHOOL Cost, $110,000
SAN MATEO COUNTY, Calif.
Structural alterations and additions to San Mateo High (work includes steel, brick, concrete and wood reconstruction).
Owner—San Mateo High School Dist.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Contractor—C. L. Wold, 4416 Fulton St., San Francisco.
Reinforcing Steel — W. S. Wetenhall, 17th and Wisconsin St., S. F.
Lockers—Trask & Squires, 39 Natoma St., San Francisco.
As previously reported, structural steel awarded to Minneapolis Steel & Machinery Co., Sharon Bldg., S. F.; plumbing and heating to Ecott Co., 243 Minna St., S. F.; electric to Strom & Smith, 1077 Valencia St., S. F.

Completing Plans.
SCHOOL Cost, $——
SAN FRANCISCO. Geary and Scott Streets.
Restoration of portion of Girls' High School (portion recently destroyed by fire).
Owner—City and County of San Francisco.
Architect—H. A. Minton, 525 Market Street.
Associate Architects—Henry C. Smith, Humboldt Bank Bldg., and Mark T. Jorgensen, 525 Market Street.
Plans are about 60% completed.

BIDS WANTED
LONG BEACH, Cal.—Until Dec. 21, 4 P. M., bids will be received by the Long Beach board of education at the Lafayette school, corner of Chestnut Ave. and 25th St., Long Beach, for constructing a school building at the Bryant school site. Raymond A. Sites, 206 E. Fourth St., Long Beach, architect. 5

BIDS WANTED
LOS ANGELES, Cal.—Until December 28, 11:30 A. M., bids will be received by Los Angeles Board of Education Purchasing Bureau, for reconstruction, strengthening and rehabilitation of administration and auditorium building at William McKinley Junior High School on Vernon Ave. David J. Witmer and Loyall F. Watson, 816 W. 5th St., architects. Cost, $138,000.

Preparing Working Drawings.
SCHOOL Cost, $40,000
CONCORD, Contra Costa Co., Cal.
Two-story reinforced concrete high school (ten classrooms) tile roof, steam heating system, probably concrete floors.
Owner—Mt. Diablo Un. High School District (Miss Bertha Romaine, Principal).
Architect—W. H. Weeks, 525 Market St., San Francisco.
Plans will be forwarded to Sacramento for approval in about 2 weeks

Plans Approved.
SCHOOL Cost, $12,000
WATSONVILLE, Santa Cruz Co., Cal.
Alterations and reconstruction of grammar school buildings.
Architect—W. H. and Harold Weeks, 525 Market St., San Francisco.
Plans have been approved by the State Division of Architecture. Bids will be asked shortly.

BIDS WANTED
SAN MARINO, Los Angeles Co., Cal.—Until Dec. 13, 8 P. M., bids will be received by the San Marino City School District, 1700 Huntington Dr., San Mario, for furnishing materials for repairing the auditorium building at the Huntington School site. Palmer Sabin, 170 E. California Ave., Pasadena, architect.

CONTRACT AWARDED
ALTADENA, Los Angeles Co., Cal. —O. H. Strauser, 900 Dawson Ave., Long Beach, awarded contract by the Pasadena board of education at $120,-784, for construction of the Altadena elementary school. Marston & Maybury, 25 S. Euclid Ave., Pasadena, architects. 5

Construction Under Way.
REBUILD SCHOOL Cos., $——
KINGSBURG, Fresno Co., Cal.
Six temporary classroom buildings.
Owner—Kingsburg Elementary School District.
Architect—W. D. Coates, Rowell Bldg. Fresno.
Materials have been purchased by school district and work is being done under the SERA.

Low Bids Awaiting PWA Approval.
SCHOOL Cost, $——
SEBASTOPOL, Sonoma Co., Calif.
Two - story reinforced concrete high school building.
Owner—Analy Union High School Dist.
Architects—Louis C. Stone and J. R. Rowell Humboldt Bank Bldg., San Francisco.
Structural Engineer — Norman Green, 55 New Montgomery Street, San Francisco.
Mechanical Engineer—Robert L. St. John Co., 544 Market Street, San Francisco.
Three low bidders on each segregation to be sumitted to PWA for approval. Low bidders follow:

General Work

A. Nelson, Inc., S. F.	$148,676
Frank J. Reilly, S. F.	159,831
Dinwiddie Const. Co., S. F.	161,900

Electrical

Matson-Seabrooke Co. Oakland	$15,397
Guerneville Hardware Co. Guerneville	15,630
Empire Elec. Co., Santa Rosa	16,022

Heating

Carpenter and Mendenhall, Sacramento	$21,267
J. A. Nelson, Inc., S. F.	21,986
F. W. Snook, S. F.	22,345

Contract Awarded.
SHOP Cont. Price, $11,843
SELMA, Fresno County, Calif.
One - story reinforced concrete shop building steel trusses, concrete floors, gravel roof) will contain offices and tool room, etc.
Owner—Selma Union High School District (Geo. Howden, Principal).
Architect — W. D. Coates, Jr., Rowell Building, Fresno.
Contractor—R. P. Moore, 3662 Verrue St., Fresno.

R. P. Moore	(1)	$11,843
	(2)	13,810
	(3)	14,487
Jolly & Harrington	(1)	11,965
	(2)	14,033
	(3)	14,865
T. C. Irwin	(1)	12,085
	(2)	14,550
	(3)	15,271
W. J. Ochs	(1)	12,881
	(2)	14,751
	(3)	15,699

Bids held under advisement.

LOW BIDDERS
LOS ANGELES, Cal.—R. E. Campbell, Central Bldg., Los Angeles, submitted low bid to Long Beach board of education on general contract (using salvaged materials, at $119,354. for construction of the Robert Louis Stevenson school. Low bidders on other contracts, using salvaged materials, are: Coast Electric Co., 2350 Cedar Ave., Long Beach, electric wiring, $5621; E. Willardson, 2407 Tesla Terrace, Los Angeles, plumbing and heating $7300. Aaron J. Smith, structural engineer, 3726 Lemon Ave., Long Beach and Clarence N. Aldrich, architect, 1834 Dawson Ave., Long Beach.

Planned.
IMPROVE SCHOOL Cost, $——
REDWOOD CITY, San Mateo Co.
Structural changes to Sequoia Union High School.
Owner — Sequoia Union High School District.
Engineer—To Be Selected.
The State Division of Architecture recommended structural changes to make the building earthquakeproof.

December 12, 1934

Plans Completed.
SCHOOL Cost, $12,000
GILROY, Santa Clara Co., Cal.
One-story frame and stucco school building (2 classrooms and auditorium) shingle roof, steam heating system, wood sash, maple floors, etc.
Owner—Rucker School District.
Architect—Edward S. Kress, 121 Magellan Ave., San Jose.
Materials will be purchased by the Board of Trustees in about one week and labor will be furnished by the SERA.

LOW BIDDER.
LOS ANGELES, Cal.—Reid & Alexander, 5714 Pacific Blvd., Huntington

Park, submitted low bid at $83,960 to Los Angeles board of education for reconstruction, strengthening and rehabilitation of buildings "A" and "C" and the erection of a new building "B" at the Gage Avenue school, located on southeast corner of Miles and Gage Avenues, Huntington Park. Armand Monaco, 306 Pershing Square Bldg., architect.

LOW BIDDERS.

LONG BEACH, Cal.—R. E. Campbell, Central Bldg., Los Angeles, submitted low bid to the Long Beach board of education on the general contract (using salvaged materials) at $119,354, for the construction of the Robert Louis Stevenson school. Low bidders on other contracts, using salvaged materials, are: Coast Electric Co., 2350 Cedar Ave., Long Beach, electric wiring, $5621; E. Willardson, 2407 Tesla Terrace, Los Angeles, on the plumbing and heating at $7300. Aaron J. Smith, structural engineer, 3726 Lemon Ave., Long Beach, and C. N. Aldrich, architect, 1834 Dawson Ave., Long Beach.

LOW BIDDER.

LOS ANGELES, Calif.—Charles J. Dorfman, 124 N. La Brea Ave., submitted low bid at $70,936 to the Los Angeles board of education for reconstruction, strengthening and rehabilitation of the main building at the 118th St. school, 144 E. 118th St. Walter E. Erkes, 1211 Rives-Strond Bldg., architect, and F. N. Ropp, 1014 Edison Bldg., structural engineer.

LOW BIDDER.

LYNWOOD, Los Angeles Co., Cal.—Pacific Realty & Building Co., 439 E. Broadway, Long Beach, submitted the low normal bid to the Board of Public Building Reconstruction at $66,716, for reconstructing, strengthening and rehabilitating the Woodrow Wilson elementary school in Lynwood. Barker-Allen Electric Co., 1607 Cahuenga Ave., Los Angeles, low on electric wiring at $7359, and Charley H. Warner, 1310 N. Tamarind, Compton, submitted low bid on plumbing, heating and ventilating at $6340. Marsh, Smith & Powell, architects, 516 Architects' Bldg., Los Angeles.

LOW BIDDER.

LOS ANGELES, Cal.—Pacific System Homes, Inc., 5800 S. Boyle Ave., Vernon, submitted low bid at $31,831 to Los Angeles board of education, for erection of a one-story, frame and stucco school building at the Virginia Road School, 2925 Virginia Rd. Robert H. Orr, 724 S. Spring St., Los Angeles, architect.

Bids Wanted—To Close January 10, 8 P. M.

SCHOOL Cost, $60,000
HEALDSBURG, Sonoma Co., Cal.
One and two-story wing addition to high school, reinforced concrete (structural steel frame) composition roofing, steam heating system, maple floors, etc.; gymnasium, music department, 3 classrooms, alterations, etc.
Owner—Healdsburg High School Dist
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Plans and specifications may be obtained from the architect upon deposit of $20.

Plans Completed.

SCHOOL Cost, $15,000
MacARTHUR, Shasta Co., Cal.
One-story heavy timber school building (one classroom and shop).
Owner—MacArthur School District.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Plans have been forwarded to the State Division of Architecture, Sacramento, for approval and bids will be asked shortly.

BIDS WANTED

LONG BEACH, Cal.—Until Dec. 21, 4 P. M., bids will be received by the Long Beach board of education at the Lafayette school, corner of Chestnut Avenue and 25th St., Long Beach, for a school building at Bryant school site. Separate bids will be taken on the general, electric wiring, plumbing, heating and ventilating. R. A. Sites, 206 E. Fourth St., Long Beach, architect.

BIDS WANTED

NEWPORT BEACH, Orange Co., Cal.—Until Jan. 3, 2 P. M., bids will be received by Board of Public Building Reconstruction at Newport Beach for the new elementary school building to be erected on the site of the former school in Newport Beach. Separate bids will be taken on the general work, electric wiring, plumbing and heating and ventilating. Plans may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. Est. cost, $110,000. D. B. Kirby, Balboa Island, architect.

CONTRACT AWARDED

HUNTINGTON PARK, Los Angeles Co., Cal.—Reid & Alexander, 5714 Pacific Blvd., Huntington Park, awarded contract at $83,960 by Los Angeles board of education for reconstruction, rehabilitation and strengthening of buildings "A" and "C" and the erection of a new building "B" at the Gage Avenue school, Miles and Gage Aves., Huntington Park. Armand Monaco, 306 Pershing Square Bldg., architect.

CONTRACT AWARDED

SAN FRANCISCO.—R. P. Paoli, 3159 Fillmore St., at (1) $3,385; (2) $2,195; (3) $2,895; (4) $1,600 awarded contract by Department of Public Works, for painting the following schools:
(1) Bayview School, NE Bayview and Flora Streets;
(2) Denman School, Pierce, Fell and Hayes Streets;
(3) John Swett School, McAllister St. between Franklin and Gough Sts.
(4) Adams School, Eddy Street bet. Van Ness Ave. and Polk St.

Complete bids follow:

R. P. Paoli	(1)	$3,385
	(2)	2,195
	(3)	2,895
	(4)	1,600
Reliable Painting Co.	(1)	$2,950
	(2)	2,980
	(3)	3,550
	(4)	2,500
Patterson Bros., Oakland	(1)	$3,580
	(2)	2,945
	(3)	3,475
	(4)	1,940
American Building & Maintenance Co.	(1)	$ .....
	(2)	4,635
	(3)	4,785
	(4)	2,860
Lee Dixon	(1)	$ .....
	(2)	.....
	(3)	3,294
	(4)	2,500

December 13, 1934

Bids Wanted—To Close January 23, 2:30 P. M.

SCHOOL Cost, $300,000
SAN FRANCISCO. No. 150 Brompton St. (Glen Park School).
Two-story reinforced concrete school (14 classrooms, auditorium to seat 450) tar and gravel roof, steam heating system, etc.
Owner—City and County of San Francisco.
Architects—Lewis P. Hobart, 525 Market St., and Bliss & Fairweather, Balboa Bldg.
Structural Engineer—John B. Leonard 677 Tenth Avenue.
Mechanical Engineer—Robert L. St. John, 544 Market Street.
Bids are being taken as follows:
General Work — (Estimated Cost), $216,000 (Deposit for Plans) $25.
Electrical Work—$14,000; $15.00.
Mechanical Equipment—$31,000; $15.00
Painting—$31,000; $15.00.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall.
(4700) 1st report June 14; 6th Dec.

FUNDS ALLOTTED

OAKLAND, Cal.—PWA allotted $1,183,000 to Oakland School District to finance construction and improvements of elementary and high schools in Oakland School Department. No bond issue for repayment is available and payments must be made from annual school department revenues. Further details will be announced shortly.

No Bids Received.

SCHOOL Cost, $——
LOWER LAKE, Lake Co., Calif.
One-story brick grammar school bldg. (three classrooms) tar and gravel floor, hot air heating system, Oregon pine floors, plaster interior.
Owner—Lower Lake Grammar School District.
Architect—John I. Easterly, 302 Grant Street, Healdsburg.
Lower Lake Grammar School District will hold another election in the near future to vote additional bonds in the amount of $3,000 to be added to the $10,000 bond issue previously voted.

16—BANKS, STORES AND OFFICES

Bids In—Held Under Advisement.

MARKET Cost, $10,000
OAKLAND, Alameda Co. ,Cal. College Avenue near Shafter Avenue.
One-story Class C public market (42 x120 ft.) brick walls, steel trusses and columns, concrete floors, etc.
Owner—Henslee Corporation.
Architect—C. H. Treichel, 696 Cleveland Avenue, Oakland.
Announcement will be made within a few days.

Contract Awarded.

WAREHOUSE AND OFFICE $4000
STOCKTON, San Joaquin Co., Cal. No. 1211 South El Dorado Street.
One-story office anud warehouse.
Owner—California Water Service Co., 336 E. Market St., Stockton.
Plans by Engineering Dept. of Owner
Contractor — Lewis & Green, P. O. Box 121, Stockton.

To Be Done By Day's Work.

ALTERATIONS Cost, $3500
SAN FRANCISCO. Larkin and Grove Streets.
Alterations to residence (add wing).
Owner—Builders' Exchange, 666 Mission St., San Francisco.
Architect—Not Given.

Contract Awarded.

REPAIRS Cost, $7000
SAN FRANCISCO. No 943-945 Market Street.
Repair fire damage to stores.
Owner—Wobber Bros., % Contractor.
Architect—Not Given.
Contractor—A. L. Thulin, 63 Brady St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $7,000
SAN JOSE, Santa Clara Co., Cal. 347 S Market Street.
Alterations to store building.
Owner—DeSaisset Estate, 347 S. Market St., San Jose.
Architect—Binder & Curtis, 35 W San Carlos St., San Jose.
Contractor—G. M. Latta, 157 Rhodes Court, San Jose.

To Be Done By Day's Work.
OFFICES Cost, $25,000
SAN FRANCISCO, NW Ocean Ave. & Southern Pacific Right-of-Way.
One-story frame office building.
Owner—SERA, 405 Mission St., San Francisco.
Plans by Engineering Dept. of Owner

Planned.
STORE Cost, $——
GRASS VALLEY, Nevada Co., Cal. South Auburn Street.
Construct new furniture store.
Owner — Jensen & Thomas 157 Mill St., Grass Valley.
Architect—Not Given.
The property has just been purchased and has a 125 foot frontage and 220 foot depth.
Further detail will be announced shortly.

Sub-Contracts Awarded.
STORE Cont. Price, $7476
OAKLAND, Alameda Co., Cal. Lakeshore Avenue.
One - story reinforced concrete store building (three stores) composition roofing, etc.
Owner—Russell Frank.
Architect—W. E. Schirmer, 910 Bank of America Bldg., Oakland.
Contractor — David Nordstrom, 4150 Emerald St., Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.
Lumber—Sunset Lumber Co., 400 High St., Oakland.
Mill Work—Oakland Planing Mill, 2nd and Washington Sts., Oakland.
Steel Sash—Michel and Pfeffer Iron Works, Harrison and 10th Streets, San Francisco.
Plumbing—J. A. Fazio, 2059 Webster St., Oakland.
Painting—W. H. Pollard, 522 Grand Ave., Oakland.
Roofing—General Roofing Co., 3985 Beach St., Oakland.
Plastering—Frank Clausen, 3124 Chestnut St., Oakland.
Glass—W. P. Fuller & Co., 259 10th St., Oakland.
Electric—T. L. Rosenberg Electric Co. 411 Webster St., Oakland.

Plans Being Prepared.
OFFICE BLDG. Cost, $20,000
FRESNO, Fresno Co., Calif. Merced and G Streets.
One-story brick office building (40x 60 ft.) delivery and receiving platform, 100x150 ft.
Owner—Valley Motor Lines Inc., 1235 G St., Fresno (Geo. Harm, Harold Frasher, and B. O. Thomas, owners) Fresno.
Plans by Engineering Dept. of Owner.

Preparing Working Drawings.
OFFICES Cost, $8000
MODESTO, Stanislaus Co., Cal. 12th and K Streets.
One-story reinforced concrete office building (Spanish style) tile roof, vaults, etc.
Owner—Farmer' Mutual Fire Insurance Co. (E. W. Morrow, Mgr.), Turlock.
Architect—G. N. Hilburn, 1213 I St., Modesto.
Bids will be asked January 7.

Contract Awarded.
STORE Cost, $2,000
SAN FRANCISCO. S Balboa 75 W 38th Avenue.
One-story frame store building.
Owner—Giuseppe Garibaldi, 1538 Cabrillo.
Architect—Not Given.
Contractor—Sangiacomo & Ghezzi, 422 Ninth Avenue. 16

Segregated Bids Being Taken.
TAP ROOM Cost, $7500
SAN JOSE, Santa Clara Co., Cal. No. 36 W. San Fernando Street.
Remodel for tap room (work involves decorating, painting, masonite work, mirrors, iron work, chromium plate, etc.)
Owner—David Holt, San Jose.
Architect — Edward S. Kress, 121 Mayellan Ave., San Jose.
Work has just been started under the supervision of the architect, who is receiving the segregated bids.

Contract Awarded.
BEAUTY SHOP Cont. Price, $3434
SAN JOSE, Santa Clara Co., Calif. San Carlos St. near Market St.
One-story and basement beauty shop (wood frame, plastered exterior, linoleum floors, panel partitions).
Owner—A. Castle.
Architect — Chas. McKenzie, Twohy Building, San Jose.
Contractor—M. W. Reese, 1210 Minnesota Ave., San Jose.

Contract Awarded.
ALTERATIONS Cost, $1500
REDWOOD CITY, San Mateo Co., Cal. 49 Perry Street.
Alterations to additions to cleaning establishment.
Owner—Myers & Freitschel, premises.
Architect—Not Given.
Contractor — T. A. Cuthbertson, 430 Noreiga St., San Francisco.

Contract Awarded.
STORE Cost, $3000
SAN FRANCISCO. S Balboa St., 32 E Thirty-fourth Ave.
Owner—B. Mirsky & Son, 421 Third St., San Francisco.
Architect—Not Given.
Contractor—J. B. Boudieu, 2625 20th St., Sa nFrancisco.

17— THEATRES

COMPLETING PLANS
LAGUNA CEACH, Orange Co., Cal. —James Conway, 1142 Glendon Ave., Westwood, is completing plans for a theatre and store building to be erected at 154 Coast Blvd., Laguna Beach, for F. L. Aufdenkamp, owner of the Lynn theatre at Laguna. The auditorium will have a seating capacity of 800 and the building will cover an area of 60x150 feet. It will be a reinforced concrete structure with tile roof, plate glass store fronts, cement floors, heating and ventilating system, etc. Cost is estimated at $50,000. Construction will be started within a few weeks, although it has not been determined whether the owner will do the building work or award a contract.

Marquee Contract Awarded.
THEATRE Cont. Price, $26,558
SALINAS, Monterey Co., Cal. Sausal and Soledad Streets.
One - story reinforced concrete theatre and store bulding (theatre to seat 600; two stores) auditorium, 50x100 ft.; insulation, etc.
Owners — John Peters and Lawrence Borg, Salinas.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Marquee and Vertical Sign—Wonderlite Neon Products Co., 170 Otis St., San Francisco, $4,671.
As previously reported, electric work awarded to Matson Seabrooke Co. 4115 Broadway, Oakland, at $4367; plumbing to Anderson, Dougherty, Hargin Co., 225 Main St., Salinas, at $2991.

18— WHARVES & DOCKS

BIDS OPENED
YACHT HARBOR Cost, $53,000
MARTINEZ, Contra Costa Co., Calif.
New municipal yacht harbor (work includes approach trestle 850 feet in length; wharf, 250x40 feet; wood construction, creosoted piling, boat landing facilities, etc.)
Owner—City of Martinez.
Consulting Engineer—Lochiel M. King 1339 Grove St., Alameda.
Low Bidder—Duncanson & Harrelson, deYoung Bldg., San Francisco.
The work involves:
(1) 265 creosoted piles, 30- to 40-ft. long;
(2) 100 do, 60- to 70-ft. long;
(3) 90 do. 90-ft. long;
(5) 575,000 ft. b.m. Oregon pine lumber;
(6) 11,000 ft. b.m. creosoted lumber;
(7) 41,000 sq. ft. pavement (asphalt pavement over deck);
(8) Appprox. 1 ton structural steel.
Complete bids follow:
Duncanson & Harrelson. San Francisco, $37,612;
Healy Tibbitts Construction Co., S. F., $46,740;
A. W. Kitchen, San Francisco, $48,263;
Bundesen & Lauritzen and Delta Dredging Company, Pittsburg, $48,931;
M. B. McGowan, San Francisco, $56,910.

To Ask Bids.
EXTEND DOCK Cost, $159,000
OAKLAND, Alameda Co., Cal. Outer Harbor.
300-ft. extension to dock (creosoted apron, conc. bulkhead wall along front and rear, two shipside railroad tracks, two depressed tracks along rear of retaining wall, asphalt sufacing, etc.)
Owner—City of Oakland (Port Commission).
Plans by Engineering Dept. of Owner.
PWA has made a grant of $44,500 to the City of Oakland Port Commission to assist financing the project.

CONTRACT AWARDED
RICHMOND, Contra Costa Co., Cal. —Edwin Anderson, 998 Gilman Ave., San Francisco, at $6,883 awarded contract by City Council for repairs to sub-structure of Wharf No. 1, located at the southerly termination of Gerrard Blvd., Richmond. Work involves:
(1) removal of old and cracked concrete, cleaning steel and replacing same with cement gunite, per cu. yd.;
(2) removal of old reinforcing steel and replacing same with new reinforcing steel, and for No. 3 black wire, etc., per lb.;
(3) galvanized welded wire fabric, in place, per lb.

Construction Under Way.
REPAIR WHARF.... Cost, $——
ALAMEDA, Alameda Co., Cal. Foot of Tynan Street.
Repair fire damage to wharf (300 feet in length), timber construction.
Owner — McClintic Marshall Corp., Webster and Tynan Sts., Alameda
Plans by Engineering Dept. of Owner
Work is being done by owner's own forces.

19—MISC. CONSTRUCTION

BIDS WANTED

STOCKTON, San Joaquin Co., Cal.—Until December 17, 11 A. M., bids will be received by the San Joaquin County Board of Supervisors, Eugene D. Graham, County Clerk, County Courthouse, Stockton, for the construction of a ferry boat.

Plans and specifications obtainable from County Surveyor J. B. Manthey, 105 South Sutter St., Stockton.

Contract Awarded

ALTERATIONS Cost, $1000

OAKLAND, Alameda Co., Calif. 5601 San Leandro Street.

Alterations to tank tower.

Owner—Continental Can Company.

Architect—Not Given.

Contractor—Chicago Bridge and Iron Works, 204 Rialto Building, San Francisco.

CONTRACT AWARDED

SAN FRANCISCO—D. E. Manning, 118 Virginia Ave., San Francisco, at $763 awarded contract by Signal Office, Ninth Corps Area for the installation of antenna and a buried ground system for the radio transmitter radio system at Fort Winfield Scott, San Francisco.

ESTIMATES WANTED

MARYSVILLE, Cal.—Lipp & Sullivan, Marysville, are receiving estimates of cost for moving building located on Fifth Street, between E & F streets, to a site at Seventh and D Sts., Marysville.

CONTRACT AWARDED

FORT MILEY, Cal.—Wm. Degan, 2055 Santa Clara Ave., Alameda, at $587 awarded contract by the War Department, Washington, D. C., for the installation of an auxiliary power supply system for the Radio Transmitter at Fort Miley.

NOTICE OF SALE

SAN FRANCISCO.—Director of Public Property, Jos. J. Phillips, City Hall, will sell at public auction to the highest cash bidder, the building located on the NE corner of Bryant and Army Streets. Sale will be held on the premises Dec. 14, 9 A. M. Purchaser must remove improvements from the property thirty days from date of sale.

PLANNED

OCEANSIDE, San Diego Co., Cal.—SERA this week appropriated $65,000 for financing the construction of a municipal swimming pool and bathhouse in Oceanside. 9

BIDS OPENED

SAN FRANCISCO—General Engineering & Drydock Co., 1100 Sansome St., San Francisco, at $37,667.40 submitted low bid to the U. S. Engineer Office, Customhouse, under Proposal No. 35-23, for drydocking, cleaning, painting and repairing the U. S. Seagoing Hopper Dredge "San Pablo."

The other bids were:

Bethlehem Shipbuilding Corp., Ltd., San Francisco, $39,542.20.

Moore Dry Dock Co., Oakland, $40,096.60.

Bids held under advisement 9

BIDS OPENED

SAN FRANCISCO. — Farnsworth Electrical Works, 549 Mission Street, at $84.62 submitted the low bid to the Department of Public Works, City Hall, for rewinding a 10-hp. 2-phase, 20-volt, 900-r.p.m., Type CCL Westinghouse motor, and installing same on blower at Laguna Honda school, 7th Ave. between Judah and Kirkham Streets.

Complete bids follow:

Farnsworth Electrical Works.....$84.62
Star-Delta Electric Works..... 87.50
Enterprise Electric Works..... 92.50
Weidenthal - Gosliner Electrical Works 94.00
Reyna Electric Dorks..... 94.00
Kuchel & Sievers Elec. Works.... 95.00
West Coast Electric Works..... 95.00
Atlas Electric & Engr. Corp..... 105.00

All bidders of San Francisco. All bids held under advisement.

FUNDS ALLOTTED.

HAYWARD, Alameda Co., Calif.—PWA allotted $75,000 to the City of Hayward to assist financing the construction of the reinforced concrete Natatorium, Memorial Park in Hayward; $15,000 is an outright grant. A bond election in the amount of $52,500 will be held shortly. *

20—MISC. SUPPLIES AND MATERIALS

AWARD

CHURCHILL COUNTY, Nev.—The I. H. Kent Co., Fallon, at $827 submitted low bid and awarded contract by the Churchill Conuty Telephone and Telegraph System, D. H. Townsend, Wire Chief, Fallon, for furnishing one carload of butt treated Class C cedar poles, delivered at Fallon.

The other bids were:

Consolidated Warehouse Co., Fallon $829.30.

J. H. Baxter & Co., San Francisco, $1,023.50.

Weyerhaeuser Sales Co., St. Paul, Minn., and Spokane, Wash., $964.

Bids were opened December 11.

CONTRACT AWARDED

LOS ANGELES, Cal.—General Elec. Supply Co., at $84,704.13 awarded contract by the Los Angeles Water & Power Commission for furnishing transmission line hardware under Spec. No. 1545.

BIDS WANTED

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment, as follows:

PIPE and Tubing, steel: East & West Yards; Sch. 3894; Dec. 18.

STEEL, 55,300 lbs., medium plate: East or West Yards; Sch. 3883; Dec. 18.

STEEL, 81,000 lbs. zinc coated steel and 67,300 lbs. sheet steel; East or West Yards; Sch. 3882; Dec. 18.

FORGINGS, steel forgings for shafting: Mare Island and Puget Sound; Sch. 3911; Dec. 18.

BRICKS, fire bricks and insulating bricks: East and West Yards; Sch. 3890; Dec. 18.

STEEL, 23,950 lbs. boiler palte steel; East or West Yards; Sch. 3884; December 18.

PUMPS, 4 centrifugal type motor-driven fresh water pumps and spares: Puget Sound; Sch. 3922; December 18.

WRENCHES: East and West Yards; Sch. 3885; December 18.

FILES AND RASPS: East and West Yards; Sch. 3892; Dec. 21.

COUNTERSINKS and reamers: East and West Yards; Sch. 3898; Dec. 21.

VISES: East and West Yards; Sched. 3899; Dec. 21

MACHINES, electrical operated vegetable-peeling machines, & spares: Mare Island & Puget Sound; Sch. 3901; Dec. 21.

TWINE, 4,000 lbs. cotton seine twine: Mare Island; Sch. 3914; Dec. 21.

TELEPHONE equipment and spares: Mare Island; Sch. 3909; Dec. 21.

Specifications obtainable from above office.

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, Purchasing Agent of Los Angeles Water & Power Bureau, Room 740, 207 S. Broadway, for furnishing and delivering approximately 20,000 feet 18-in., inside diameter, No. 14 U.S.S. gauge welded steel ventilating pipe under Specification No. 1564: American Pipe & Steel Co., (a) f.o.b. cars or trucks bidder's shipping point, 65c per lin. ft., (b) f.o.b. cars Lone Pine, $.721 per lin. ft., (c) f.o.b. trucks department's camp sites in Mono basin, $.776 per lin. ft. Terms net. West Coast Pipe & Steel Co., (a) $.6439, (b) $.6889, (c) $.7439; terms net. Consolidated Steel Corp., (a) $.597, (b) $.656, (c) $.714; terms net. Southwest Welding & Mfg. Co., Inc., (a) $.657, (b) $.709, (c) $.80; discount ½% 20 days. Western Pipe & Steel Co. of California, (a) $.58, (b) $.625, (c) $.68; teams net. Southern Pipe & Casing Co., a) $.617, (b) $.695, (c) $.742; discount 2% 21 days. 20

CONTRACT AWARDED

LOS ANGELES, Calif. — Riverside Cement Co., Southwestern Portland Cement Co. and Monolith Portland Cement Co. and California Portland Cement Co. were awarded the contract by the Metropolitan Water District at $1.40 per barrel, for furnishing 5,000,000 barrels of Portland cement under Spec. No. 79.

BIDS OPENED

SAN FRANCISCO.—Following bids received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, December 7, for the rental of two pneumatic tired dump trucks, chassis weight not less than 8,000 lbs., body capacity not less than 4 c.y. and not over four years old, for approximately 1600 hours, to be used in Santa Cruz and Santa Clara counties:

$1.57 per hour, hand loading, and $1.84 per hour, power shovel: Bayshore Supply Service Co., San Francisco.

$2.66 per hour, hand loading, and $2.87 per hour, power shovel: H. V. Tucker, San Francisco.

$2.66 per hour, hand loading, and $3.00 per hour, power shovel: Hayward Bldg. Supply Co., Hayward; Hayward Bldg. Materials Co., Hayward; H. C. Artana, San Jose; A. Morton, Menlo Park; Frank O'Shea, San Francisco; San Bruno Feed and Fuel, San Francisco; L. B. Andrews, Oakland; Ben & Ratto, San Bruno; A. Giorgi, San Francisco; K. I. Dowdy, Oakland; R. P. Easely, Antioch; Pacific Truck Service, San Jose; J. Starkenburg, Los Angeles; B. Simon, San Francisco; Daniel Gallagher, S. F.; O. M. Reynolds, S. F.; G. Griffall, Mountain View; C. W. Beguhl, Lomita Park; R. E. Pavus and A. Bergulund, Pasadena; S. N. Epperson, Woodland and O. S. Tolbard, Sacramento.

$2.75 per hour, hand loading, and $3.00 per hour, power shovel: J. S. Baker, Burlingame.

$5.32 per hour, hand loading, and $6.00 per hour, power shovel: E. Della Rosa, Martinez.

All bids held under advisement.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Dec. 21, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1310, for furnishing gasoline and distillate for various city institutions and departments for a period of 3 months from Jan. 1, 1935.

Specifications obtainable from above office.

U. S. POST OFFICE DEPT.

SAN FRANCISCO.—Until Dec. 17, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for one birch couch, mahogany finish, for the U. S. Post Office at San Francisco. Proposal No. 1164.

AVENAL, Kings Co., Calif.—Until December 17, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furniture for the U. S. Post Office at Avenal. Proposal No. 1152.

AVENAL, Kings Co., Calif.—Until December 17, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furnishing wooden screen line equipment for the U. S. Post Office at Avenal. Proposal No. 1150.

AVENAL, Kings Co., Calif.—Until December 17, bids will be received by the Purchasing Agent, Post Office Department, Washington, D. C., for furnishing one section steel shelving for the U. S. Post Office at Avenal. Proposal No. 1151.

AVENAL, Kings Co., Calif.—Until December 17, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for overhead wire screen units for the U. S. post office at Avenal. Proposal No. 1153.

NAVY DEPARTMENT

BREMERTON, Wash.—Until Dec. 27, 10 A. M., bids will be received by the Supply Officer, Puget Sound Navy Yard, Bremerton, under Req. No. 8/4561, for furnishing:

(1) 12 1-ton capacity chain hoists, high speed, spur gear, maximum distance between hooks, approximately 18-in.

(12)12 1½-ton capacity do., approximately 20-in. between hooks.

Specifications obtainable from the above office.

CHICO SCHOOL DISTRICT

CHICO, Butte Co., Cal.—Until Dec. 19, 5 P. M., bids will be received by Chico School District, F. L. Cummings, Secretary, for furnishing wood to the Chico School District. All wood to be first class mountain oak or second growth valley oak or equal and deliveries to be as follows:

Proposals for 75 cords, more or less, cut to 2-ft. length, to be delivered at the various elementary school buildings of the Chico School District as may be required at the time of delivery; also ten tier of 16-in. oak to be delivered at Central, and 20 cords, more or less, cut in 2-ft. lengths to be delivered at the Paradise School bldg., Paradise, Calif., plus four tier of dry 16-in. pine; about eight tier 12-in. small chunks for Oakdale school.

All round wood to be sized not less than 4-in. All split wood to be not smaller than 3x4-in., not larger than 8-in.

All deliveries to be completed not later than August 1, 1935.

SISKIYOU COUNTY

SISKIYOU CO., Cal.—Until Jan. 8, 10 A. M., bids will be received by the Siskiyou County Board of Supervisors, Hall of Records, Yreka, for furnishing fuel oil to supply the county buildings in Yreka, for a period of 12 months, beginning Jan. 8, 1935.

Specifications obtainable from above office. Prices to include delivery by carload lots fob Yreka.

WAR DEPARTMENT

SAN FRANCISCO—Until December 20, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 388-74-35; Memo. 5391, for furnishing 499,000 ft. b. m. selected common Douglas Fir lumber, random lengths.

Specifications obtainable from the above offices.

ORANGE COUNTY

SANTA ANA, Cal.—Until December 24, 10 A. M., bids will be received by the Orange County Purchasing Agent, F. W. Slabaugh, Court House Annex, Santa Ana, for furnishing the requirements of Orange County of 60-7-, 80-85, 90-95 per cent asphaltic road oil, emulsified asphalt and street lacquer, from the date of the award of such contract to January 1, 1936. Specifications are on file at the office of the County Purchasing Agent, Rm. 150, Court House Annex, Santa Ana.

LOS ANGELES CITY

(1) Carload deliveries approx. 1000 barrels fob cars at various points north of Saugus;

(2) Carload deliveries, approx. 2000 barrels fob cars at various points south of Palmdale;

(3) Truckload deliveries, approx. 11,000 sacks, deliveries to various points within City of Los Angeles, including San Fernando Valley area, fob department's trucks at bidder's warehouse;

(4) Truckload deliveries, approx. 4000 sacks delivered to harbor district, also fob department's trucks bidder's warehouse.

Specification No. 1571.

CALIFORNIA STATE

FRESNO, Cal.—Until December 21, 3 P. M., bids will be received by F. F. Green, Superintendent of Equipment, Shop 6, Division of Highways, 645 W. Olive Ave., Fresno, for the sale of the following equipment:

CHC 154, Asphalt heating kettle, Spearwell, 110-gal., 2-wheel, solid tire.

CHC 333, Grader, Road King, 7 ft. L. W. S K. tires.

The equipment may be inspected at the Division of Highways yard at the above address on any working day between 8:30 A. M. and 4:30 P. M.

SACRAMENTO, Cal.—Until December 21, 3 P. M., bids will be received by R. H. Stalnaker, Equipment Engineer, Division of Highways, 1805 34th St., Sacramento, for the sale of the following:

CHC 3043 Truck F. W. D. 3½, 4-ton capacity. Chassis with pneumatic tires.

CHC 153 Motor Grader; Austin Western dual driver, 8-in. blade, with scarifier, S. F. tires.

CHC 165 Motor grader; Spears Wells dual driver, 10inch blade, wnth scarifier, pneumatic tires.

CHC 50 Snow Plow; Austin "V" for attachment to motor grader.

CHC 73 Snow Plow; Rome "V" for attachment to motor grader.

CHC 86 Snow Plow; North Star Spped type, with hydraulic lift.

CHC 87 Snow Plow; North Star Spped type, with hydraulic lift.

CHC 91 Snow Plow; Root Speed type, with hydraulic lift.

CHC 51 Snow Plow; Rightway Rotary with "V" complete.

One 10-gallon pressure fuel container for Hauck burner.

One Type "K" Fess Oil Burner, with meter, base, starting switch and 3 nozzles, complete.

Four 18-in. furnace doors, complete.

One Kettle, asphalt, 160-gal. capacity, 2 wheel, with Gould 1½-in. Rotary force pump.

One Main Frame for 10-20 McCormick Deering Tractor.

Three Portable Stands for Moon Hopkins bookkeeping machine.

One Detroit power take-off for Model AA Ford truck.

SAN BERNARDINO CO.

SAN BERNARDINO Cal.—Until December 24, bids will be received by the County Supervisors for furnishing gasoline for the first three months of 1935. The county's estimated requirements for automobiles, trucks, and tractors during 1935 are 250,000 gallons of gasoline.

Wm. E. Young, Assistant Purchasing Agent.

WAR DEPARTMENT

SAN FRANCISCO.—Until Dec. 21, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, under Req. No. QM 388-93-35; Memo 5458, for furnishing:

(1) 1,000 lbs. jute wrapping twine;

(2) 600 knocked down slack pine barrels;

(3) 14,000 lbs. cement coated box nails.

Specifications obtainable from above office.

CALIFORNIA STATE

SAN FRANCISCO.—Until Dec. 17, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211, State Bldg., San Francisco, for the rental of one pneumatic tired dump truck, chassis weight not less than 2800 lbs., body capacity not less than 1½ c.y., and not over four years old, for approximately 1000 hours.

The truck is to be used in Contra Costa County.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Exceva.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

BIDS WANTED

WASHINGTON COUNTY, Oregon—Until December 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Building., Portland, for the construction of a bridge over Tualatin River Overflow on the Tualatin Valley Highway near Gaston, U.S.P.W. Project NRH 240-A in Washington County.

The work requires approximately 580 cu. yds. excavation; 900 lin. ft. treated piling; 6 MFBM treated lumber; 70 cu. yds. Class D concrete; 12,000 lbs. metal reinforcement and 130 lin. ft. composite handrail.

Bids also will be received for the construction of a bridge over Dairy Creek on Nehalem Secondary Highway about 3 miles north of Forest Grove, U.S.P.W. Project NRS 245, in Washington County.

The work involves approximately 420 cu. yds. excavation; 320 lin. ft. treated piling; 8 MFBM treated lumber; 20 cu. yds. Class D concrete; 3800 lbs. metal reinforcement; 70 lin. ft. composite handrail, and the removal of the old bridge.

All treated piling and treated lumber used in these structures will be furnished to the contractor without cost.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

CONTRACT AWARDED

POLK COUNTY, Oregon—Averill & Philpott, Route 10, Portland, at $21,153.60 submitted low bid and awarded contract by Oregan State Highway Commission, Portland, December 6, for the construction of a 190-foot plate girder bridge over the Yamhill River on the Dallas-Coast Secondary Highway at the junction with the McMinnville-Tillamook Highway about 3 miles west from Willamina, Polk County, U.S.P.W. Project NRS 215-C

Complete bids follow:

Averill & Philpott, Portland, $21,153.60.
Barham Bros., Salem, Oregon, $21,260.
R. H. Jones, Baker, $21,631.
Joplin & Eldon, Portland, $22,325.20.
J. F. Johnson, Newberg, $22,636.
C. J. Montag, Portland, $22,713.
Mountain States Construction Co., Eugene, $22,731.
H. J. Settergren, Portland, $23,235.40.
Tom Lillebo, Reedsport, $23,556.
J. W. and J. R. Hillstrom, Marshfield, $23,818.
Portland Bridge Co., Portland, $23,999.
George Waale & Co., Portland, $24,104.
Shattuck & Neland, Portland, $25,718.
Northwest Roads Co., Portland, $26,542.

BIDS WANTED

EL DORADO COUNTY, Cal.—Until December 21, 2 P. M., bids will be received by the El Dorado county board of supervisors, Arthur J. Koletzke, clerk, Court House, Placerville, for the erection and construction of a reinforced concrete bridge across New York Ravine, near Salmon Falls, in Road District No. 4, El Dorado Co., and for clearing the ground for the reception of the bridge.

Plans and specifications obtainable from the above office upon deposit of $10.00.

22—DREDGING HARBOR WORKS EXCAVATION

SUIT FILED

LONG BEACH, Cal.—The $100,000 county allocation of motor vehicle license funds for construction of bulkheads and dredging along the Naples Canal, in Long Beach, has been held up by a taxpayer's suit filed to enjoin the county from paying the money to the City of Long Beach.

NEW BIDS ASKED

NEWPORT BAY, Orange Co., Cal.—Until December 17 (tentative date) new bids will be received by the U. S. Engineer Major H. H. Stickney, 751 S. Figueroa St., Los Angeles, for dredging and rock removal at Newport Bay.

The bids opened November 15 were rejected December 6, as excessive. The previous low bid was submittd by the Standard Dredging Co. at $1,122,634.90 while the engineer's estimate was $788,364.07.

Specifications are being revised and new copies will be available probably by December 10. Among other revisions will be the elimination of removal of ledge rock in Area "A".

CONTRACT AWARDED

SEATTLE, Wash.—General Const. Co., 3840 Iowa St., Seattle, at $8,800 awarded contract by the U. S. Engineer Office, Seattle, for dredging 27,500 c.y. of material from the E. Waterway. Complete bids published November 20.

CONTRACT AWARDED

SEATTLE, Wash.—Puget Sound Bridge & Dredging Co., 2929 16th S.W. Seattle, at $96,000 awarded contract by the U. S. Engineer Office, Seattle, for dredging 640,000 c.y. from the Duwamish Waterway.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

BIDS WANTED

NEWPORT BAY, Cal.—Until December 17, 3 P. M., (date previously reported at tentative only) new bids will be deceived by U. S. Engineer Office, 751 S. Figueroa St., Los Angels, for dredging and rock revomal of approximately 8,500,000 cu. yds. of material at Newport Bay.

Specifications obtainable from the above office.

23— IRRIGATION PROJ.

December 12, 1934

APPLICATIONS FILED.

SACRAMENTO, Cal. — Applications for permit to appropriate water filed with the State Department of Public Works, Division of Water Resources, during November, 1934:

8150 (San Diego Co.) Mary F. Baker, 1629 Pleasant Ave., Los Angeles, for .1 c.f.s. from spring in Gunn Can yon trtibutary to San Luis Rey river to be diverted for irrigation and domestic purposes on 8 acres. Estimated cost, $250.

8151 (Sierra County) H. R. Plate, Grass Valley, for 20 c.f.s. from Mountain Mine Ravine, Sardine Creek and five springs tributary to north fork of south fork of north fork of the Yuba river, to be diverted for power purposes; 4174 theo. hp. to be developed. Est cost, $30,000.

8152 (Mendocino Co.) Margaret G. Hilsdon and W. H. Howard, Piercy, for 1 c.f.s. from Dora Creek tributary to south fork of Eel river, to be diverted for power and domestic purposes. Est. cost, $500.

8153 (Trinity Co.) Shasta Hydraulic Gold Co., Inc., Redding, for 5 c.f.s. from Hatchet Creek tributary to the Trinity river, to be diverted for mining purposes.

8154 (El Dorado Co.) Chas. O. Dorman, Georgetown, for 3 c.f.s. from Little Otter Creek tributary to Otter Creek to be diverted for power purposes; 40 t.h.p. to be developed. Est. cost, $850.

8155 (Riverside Co.) E. C. Cazier and A. B. Clark of Lynwood, for one c.f.s. from Palm Canyon, tributary to Whitewater river to be diverted for mining and domestic purposes.

8156 (San Diego Co.) Fallbrook Irrigation District, Fallbrook, for 30 c.f.s. and 15,000 ac. ft. per annum from San Luis Rey River, tributary to the Pacific Ocean, to be diverted for irrigation on 9,500 acres. Estimated cost, $1,000,000.

8157 (Trinity Co.) Elenore I. Holcombe, 267 Hillside Ave., Mill Valley, for .025 c.f.s. from a spring tributary to Hawkin Creek to be diverted for domestic purposes. Est. cost $100.

8158 (Del Norte Co.) V. B. Minnis, 8737 Wilshire Blvd., Beverly Hills, for 20 c.f.s. from Hurdy Gurdy Creek tributary to south fork of the Smith river, to be diverted for mining purposes.

8159 (Del Norte Co.) V. S. Minnis, Beverly Hills, for 5 c.f.s. from Nicholas Creek, tributary to Hurdy Gurdy Creek, to be diverted for mining purposes.

8160 (Del Norte Co.) U. S. Siskiyou National Forest, Grants Pass, Oregon, for .25 c.f.s. from fork of Elk Creek tributary to Illinois river to be diverted for recreational purposes. Estimated cost, $300.

8161 (Tuolumne Co.) . B. Hartley, 200 Durant Ave., Berkeley, for .054 c.f.s. from Jawbone Creek, tributary to Tuolumne river, to be diverted for mining purposes. Est. cost, $250.

8162 (Tuolumne Co.) Z. B. Hartley, Berkeley, for 3 c.f.s. from Jawbone Creek, tributary to Tuolumne river, to be diverted for power purposes; 82.5 t.h.p. to be developed. Est. cost, $1000.

8163 (El Doardo Co.) C. J. Olson, Pacific, Calif., for .009 c.f.s. from two springs tributary to south fork of the American river, to be diverted for domestic purposes. Est. cost, $220.

8164 (Stanislaus Co.) H. B. Eachus, Patterson, for 3 c.f.s. from Del Puerto Creek, tributary to San Joaquin river to be diverted for irrigation purposes on 255 acres. Est. cost, $1000.

8165 (Siskiyou Co.) John Teukert, Sawyers Bar, for 3 c.f.s. from Main tributary of Eddy's Gulch, tributary to north fork of Salmon river, to be diverted for mining purposes.

8166 (El Dorado Co.) G. W. Shedd, Kyburz, Calif., for 3 c.f.s. from Pyramid Creek tributary to south fork of the American river to be diverted for power purposes, 34. t.h.p. to be developed. Est. cost, $500.

8167 (San Diego Co.) Fred Lanz, National City, for 1.25 c.f.s. from Tube Springs, tributary to San Felipe Creek, to be diverted for irrigation and domestic purposes on forty acres. Est. cost, $1000.

8168 (Stanislaus Co.) Nels Hansen, 721 Sycamore Ave., Modesto, for one c.f.s. from lateral 12 of Waterford Irrigation District, to be diverted for irrigation on 15 acres.

8169 (Humboldt Co.) Laura G. Boyd et al, Korbel, for 2 c.f.s. from Mad River, tributary to Pacific Ocean, to be diverted for irrigation and domestic purposes on 100 acres.

8170 (Amador Co.) Raymond Silva, 2216 22nd St., Sacramento, for 270,000 act. ft. per annum from Cosumnes river, tributary to Mokelumne river, to be diverted for municipal purposes.

8171 (Amador Co.) Raymond Silva, Sacramento, for 270,000 ac. ft. per annum from Cosumnes river, tributary to Mokelumne river, to be diverted for power purposes.

8172 (Trinity Co.) Berthe Perigot, Blue Lake, for 100 c.f.s. from New River tributary to Trinity river, to be diverted for mining purposes. Estimated cost, $200,000.

8173 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 700 c.f.s. and 30,000 ac. ft. per annum from Middle Fork of Yuba River, tributary to Yuba River to be diverted for mining and domestic purposes. Est. cost, $10,110,000.

8174 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 636 c.f.s. and 30,000 ac. ft. per annum from Conyan Creek, South Yuba at South Yuba Canyon, South Yuba at Drum Power House, South Yuba at Excelsior Power House, tributary to Yuba River, to be diverted for mining and domestic purposes.

8175 (Placer Co.) Nevada Irrigation District, Grass Valley, for 335 c.f.s. and 10,000 ac. ft. per annum from Bear River tributary to the Feather River, to be diverted for mining and domestic purposes.

8176 (Nevada Co.) Nevada Irrigation District, Gras Valley, for 325 c.f.s. and 40,000 ac. ft. per annum from Deer Creek and Squirrel Creek, tributary to Yuba River, to be diverted for mining and domestic purposes.

8177 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 50 c.f.s. and 6,000 ac. ft. per annum from Wilson and Poison Creek, tributary to Middle Fork of Yuba River, to be diverted for irrigation and domestic purposes on 167.789 acres within the said district.

8178 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 225 c.f.s. and 45,000 ac. ft. per annum from Texas, Clear, Fall, Trap and Rucker creeks, tributary to South Yuba river to be diverted for power purposes; 223,642 t.h.p. to be developed.

8179 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 50 c.f.s. and 6,000 ac. ft. per annum from Wilson and Poison creeks, tributary to Middle Fork of Yuba River, to be diverted for power purposes.

8180 (Nevada Co.) Nevada Irrigation District, Grass Valley, for 225 c.f.s. and 45,000 ac. ft. per annum from Texas, Clear, Fall, Trap and Rucker creeks, tributary to South Yuba river to be diverted for irrigation and domestic purposes.

8181 (San Diego Co.) U. S. Cleveland National Forest, San Diego, for 1 ac. ft. per annum from Cuyapaipe Creek tributary to La Posta and Cottonwood creeks, to be diverted for recreational purposes. Est. cost, $5,000.

8182 (Humboldt Co.) John D. Daily, Arcata, for 1 c.f.s. from Widow White Creek, tributary to Pacific Ocean, to be diverted for recreational purposes. Est. cost, $150.

8183 (San Bernardino Co.) Jack J. Renie, 751 S. Figueroa St., Los Angeles, for 200 ac. ft. per annum from Saratoga Springs tributary to unnamed lake to be diverted for recreational and domestic purposes. Est. cost, $1000.

8184 (Nevada and Sierra Cos.) J. A. Mackenzie, % C. F. Metteer, Sacramento, for 5000 ac. ft. per annum from Middle Fork Yuba River, to be diverted for mining purposes. Est. cost, $2,198,000.

8185 (Yuba Co.) Roscoe E. Leslie, % J. S. Wallace, Atty., 703 Market St., San Francisco, for 2.4 c.f.s. from Simmerly (Nigger Jack) slough, tributary to Featther river, to be diverted for irrigation on 185.27 acres.

8186 (Yuba Co.) Roscoe R. Leslie, % J. S. Wallace, Atty., 703 Market St., San Francisco, for 2 c.f.s. from Feather river, tributary to the Sacramento river, to be diverted for irrigation on 150.28 aces.

BIDS WANTED

OWYHEE PROJECT, Oregon-Idaho. Until January 7, 10 A. M., bids will be received by the Bureau of Reclamation, Ontario, Oregon, under Spec. No. 607, for the construction of earthwork, tunnels, and structures, South Canal, Station 2 to Station 736, Succor Creek Division, Owyhee Project. The work is located near Adrian, Ore. and Homedale, Idaho.

The principal items of work involved are:

(1) 920,000 c.y. all classes of excav. for canal;
(2) 12,300 c.y. do for structures;
(3) 11,570 c.y. of tunnel excavation;
(4) 40,000 sta. c.y. overhaul;
(5) 25,800 c.y. of backfill;
(6) 1,030 c.y. of concrete in struc.;
(7) 2,725 c.y. do in tunnels;
(8) 600 sq. yds. of dry-rock paving;
(9) placing 86,000 lbs. of reinforcement bars;
(10) laying 256 l.f. 24-in. dia. concrete pipe;
(11) laying 1,900 l.f. of 6-in. dia. drain pipe;
(12) erecting 6 MFBM of timber in structures;
(13) furnishing and erecting 56 MFBM of timbering in tunnels;
(14) installing 4,000 lbs. of gates and misc. metal work.

Plans and specifications obtainable from the above office without charge to prospective bidders; to others, $1.50, not returnable.

PERMITS ISSUED.

SACRAMENTO, Calif. — Permits to appropriate water issued by the Department of Public Works, Division of Water Resources, during month of November, 1934:

Permit 4427, Application 7943 (Plumas County) issued to Green & Green of Blairsden, Calif., Nov. 1, 1934, for 5000 gallons per day from Little Gray Eagle Creek, for domestic purposes. Estimated cost $500.

Per. 4428, App. 7869 (Placer County) issued to E. F. Wilkie, Iowa Hill, Calif., Nov. 13, for 3.0 cu. ft. per second from Brushy Creek, for mining purposes. Est. cost, $4000.

Per. 4429, App. 8094 (Monterey Co.) issued to Hans Ewoldsen, Big Sur, Nov. 15, for 0.05 cu. ft. per second from an unnamed spring for domestic purposes and irrigation of 10 acres. Estimated cost, $400.

Per. 4430, App. 7978 (Plumas Co.) issued to W. B. Stout, Rich, Cal., November 15, for 2000 gals. per day from Indian Creek, for domestic purposes. Est. cost, $150.

Per. 4431, App. 8018 (Siskiyou Co.) issued to Grant Donham of Callahan, Calif., Nov. 16, for 2.0 cu. ft. per sec. from Mule Creek, for mining purposes. Est. cost, $500.

Per. 4432, App. 8031 (Siskiyou Co.) issued to John Vanboy, O. Y. Anderson and Lester Hallford, Happy Camp, Nov. 16, for 3.0 cu. ft. per second from Oak Flat Creek, for mining and domestic purposes. Est. cost, $10,000.

Per. 4433, App. 8067 (Inyo Co.) issued to Division of Highways, Sacramento, Nov. 17, for 0.025 cu. ft. per second from Bachelder Spring, for domestic and recreational uses. Est. cost, $100.

Per. 4434, App. 8104 (Siskiyou Co.) issued to C. R. Wiegel, Redding, Nov. 20, for 11 gals. per minute from a spring in Six Bit Gulch, for mining and domestic purposes. Est. cost, $700.

Per. 4435, App. 8055 (Trinity Co.) issued to G. E. Albiez, Hayfork, Nov. 22, for 0.025 cu. ft. per sec. from Dry Gulch, for domestic purposes. Est. cost, $100.

Per. 4436, App. 7689 (Butte Co.) issued to J. L. Claghorn of Brentwood, Nov. 22, for 10.0 cu. ft. per second from Brock Creek for mining purposes.

Per. 4437 (App. 8012 (Siskiyou Co.) issued to A. W. Clare of Sawyers Bar, Nov. 23, for 1.0 cu. ft. per second from Olsen Creek for mining purposes. Estimated cost, $1500.

Per. 4438, App. 8081 (Solano Co.) issued to F. F. Marshall, et al, care R. Schaefer, Vacaville, Nov. 27, for 0.5 cu. ft. per second from Alamo Creek, for irrigation of 42 acres. Est. cost, $500. 23

BIDS WANTED

NOGALES, Arizona—Until December 20, 10 A. M., M. S. T., bid will be received by the International Boundary Commission, 627 First National Bank Bldg., El Paso, Texas, for construction on the Nogales Flood Control Project, Nogales, Arizonia, as follows:

(1) 7560 cu. yds. common excavation;
(2) 100 cu. yds. rock excavation;
(3) 2800 cu. yds. backfill;
(4) 1995 cu. yds. concrete;
(5) 100,000 lbs. reinforcing steel;

Plans and specifications obtainable from above office. 23

24—STREET LIGHTING SYSTEM

CONTRACT AWARDED

HAMILTON FIELD, Marin Co., Cal. —Bennett & Taylor, 1978 S. Los Angeles St., Los Angeles, at $1,332 were awarded contract by the Constructing Quartermaster, Hamilton Field, for

the installation of runway marker lights at Hamilton Field.

CONTEMPLATED

SAN DIEGO, Cal.—Bids will be called shortly by San Diego City Council for the construction of an ornamental lighting system in Pacific Blvd. between Broadway and Barnett Avenue, involving 184 single lamp metal posts, or special design with 400-candlepower lamps. Cost estimated at $50,000.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

LOS ANGELES, Cal.—Bids for furnishing 1000 steel ribs, for tunnel support, each rib consisting of two sections of 5-in., 10-lb. standard I-beams, complete with splice plates, bolts and nuts, under Specifications No. M-2032, were opened by the Metropolitan Water District, Los Angeles, December 3. The bidders were:

Commercial Shearing & Stamping Co., Youngstown, Ohio—Unit price, $8.50; total f.o.b. bidder's plant, $8500 sales tax to be added, none; discount 1%, 30 days, f.o.b. Youngstown, Ohio.

Youngstown Steel Car Corp., Niles, Ohio—$9.66 each; total $9660; sales tax, none; discount ½%, 10 days; f. o.b. Niles, Ohio.

Consolidated Steel Corp., Ltd., Los Angeles—$14.60 each; total, $14.600; sales tax, 2%½; no distount; f.o.b. Los Angeles.

Pacific Coast Steel Corp., Watts, California—$14.70 each; total, $14,700; sales tax, 2½%; no discount; f.o.b. Los Angeles.

Bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Calif.—Commercial Shearing & Stamping Co., Youngstown, Ohio, at $8,500 awarded contract by the Metropolitan Water District under Spec. No. M-2032, for furnishing 1,000 steel ribs for tunnel support, each rib consisting of two sections of 5-in., 10-lb. standard I-beams complete with splice plates, belts and nuts.

BIDS OPENED

SAN FRANCISCO. — Following bids received by Jno. H. Skeggs, District Engineer, Division of Highways, State Bldg., for the rental of one power shovel of not less than ⅝ c.y. capacity for approximately 800 hours, to be used in Santa Cruz and Santa Clara counties:

S. M. Socatteli, Boulder Creek	$3.22
Jack Harrison, Livermore	3.40
Pacific Truck Service, San Jose	3.45
F. A. Lance, San Jose	3.50
T. J. Doyle, San Francisco	3.95
Chas. Kuppinger, Lakeport	4.00
S. C. Karstedt, Watsonville	4.25
Tiffany Const. Co., San Jose	5.50
Granite Const. Co., Watsonville	5.50
G. J. Fraties, Oakland	5.75
Consolidated Crane Service, Los Angeles	6.25

Bids held under advisement.

CONTRACT AWARDED

BOULDER CANYON, Nev.—Babcock & Wilcox Co., at $35,500 f.o.b. Boulder City, awarded contract by the Bureau of Reclamation, Denver, under Spec. No. 633-D, for furnishing one station service penstock for installation at the Boulder Power Plant.

30—RESERVOIRS & DAMS

PLANS COMPLETED

PATTERSON, Stanislaus Co., Cal. —County Engineer George Macomber has completed plans for a dam and bridge across San Joaquin river. Estimated cost, $20,000 to be financed jointly by county and Patterson Water Company.

BIDS WANTED

TUOLUMNE COUNTY, Calif.—Until January 8, 3 P. M., bids will be received by the Public Utilities Commission, Room 287, City Hall, for the enlargement of the O'Shaughnessy Dam by the construction of an addition to the existing dam, for the purpose of increasing the capacity of Hetch Hetchy Reservoir. The addition will raise the crest of the dam by 85.5 feet from elevation 3726.5 to elevation 3812. Construction of a new spillway, installation of new outlet control valves and spillway gates, clearing of the reservoir area between the present and future high water surface elevations, road and trail construction, and other appurtenances and incidental work are included in the required work.

The foundation for the enlarged dam is now constructed to elevation 3500, which is approximately the elevation of the original stream bed, and a section of the existing dam containing the outlet conduits is constructed to the proposed downstream face of the enlarged dam.

The O'Snaughnessy Dam is located at the west end of Hetch Hetchy Valley on the Tuolumne River,. The region is shown on the U. S. Geological Survey map of the Yosemite quadrangle.

The work is financed in part by Federal PWA funds and will be subject to PWA regulations.

The work involves:

(1) 385 acres clearing reservoir site;
(2) 30,000 c.y. excav., dam foundation, (all classes);
(3) 28,000 c.y. excav., spillway (all classes);
(4) 8,000 c.y. excav., roads and miscellaneous excavation (common)
(5) 21,000 c.y. do. (solid rock);
(5a) 3,600 c.y. tunnel excavation;
(6) 500 c.y. excav., trails (common);
(7) 500 c.y. do (solid rock);
(8) 1,000 c.y. excav. of concrete from existing dam;
(9) 37,000 sq. ft. roughening surfaces of existing dam;
(10) 55,000 sq. ft. do of siphon spillway conduits, and downstream face of dam over siphon spillway conduits;
(11) 175 c.y. removal of conc. structures appurtenant to existing dam;
(12) 3,000 l.f. drilling grout holes in foundations for dam and spillway, not over 30-ft. deep;
(13) 1,750 l.f. do, over 30-ft. deep;
(14) 700 l.f. drilling drainage holes in foundations for dam, not over 30-ft. deep;
(15) 700 l.f. do, over, 30-ft. deep;
(16) 150 l.f. drilling grout holes in existing dam, from faces of dam
(17) 150 l.f. do, from galleries in dam
(18) 120 l.f. do, from inspection wells in dam;
(19) 25,000 l.f. drilling holes for anchor bars and grouting bars in place;
(20) 4,400 l.f. calking joints in concrete;
(21) 230 each, making connections to grout holes in foundations for dam and spillway, and on faces of existing dam;
(22) 30 each, making connections to grout pipes in galleries in existing dam;
(23) 60 each, making connections to grout pipes in inspection wells;
(24) 7,500 cu. ft. pressure grouting;
(25) 205,000 cu. yds. mass concrete in dam;
(26) 32,000 c.y. concrete to form impervious surfaces in dam;
(27) 17,000 c.y. concrete in slots in dam;
(28) 3,700 c.y. concrete for plugging siphon spillways;
(29) 6,300 c.y. concrete in spillway bridge and spillway weir;
(30) 1,000 c.y. concrete in valve house in screen rack and in walls and beams adjacent to valve block;
(31) No item No. 31;
(32) 150 c.y. concrete in railings;
(33) 50 c.y. concrete precast stairways on downstream dam face;
(34) 1,500 c.y. concrete for spillway lining and in walls near downstream end of spillway;
(35) 16 c.y. concrete precast screens for screen racks;
(36) 600 c.y. precast dense concrete blocks;
(37) 850 c.y. precast porous do;
(38) 350 l.f. drainage holes through masonry;
(39) 10,000 sq. ft. mortar coating, ¾-in. thick placed by cement gun;
(40) 277,000 bbls. Portland cement;
(41) 450,000 lbs. reinforcing steel;
(42) 400,000 lbs. anchor bars;
(43) 100 c.y. rubble masonry walls;
(44) 100 c.y. masonry guard rails;
(45) 500 c.y. dry masonry walls;
(46) 500 l.f. furnishing and placing ½-in. wrought steel pipe;
(46a) 14,000 l.f. do, ½-in. metal tubing;
(47) 2,000 l.f. do, 1-in. wrought steel pipe;
(47a) 300,000 l.f. do 1-in. metal tubing;
(48) 5,000 l.f. do 1½-in. wrought steel pipe;
(48a) 27,000 l.f. do 1½-in. metal tubing;
(49) 1,000 l.f. do 2-in. wrought steel pipe;
(50) 125,000 lbs. do wrought steel pipe larger than 2- and less than 8-in. pipe;
(51) 10,000 lbs. do pipe fittings for all wrought steel pipe not larger than 8-in. pipe;
(52) 18,000 lbs. do metal tubing fittings for tubing not larger than 1½-in.;
(53) 400 each, do, 1-in. gate valves;
(53a) 200 each, do 1½-in. gate valves;
(53b) 100 each do 2-in. gate valves;
(54) 2,500 lbs. do, gate valves larger than 2- and less than 8-in.;
(54a) 10,000 removing and reinstalling pipe and fittings;
(55) 3,200 ea., connections from headers to cooling coils;
(56) 6,000 each grout pipe outlets;
(57) 1,500 lbs. furnishing and installing electrical metal conduits;
(58) 13,300 lbs. galv. pipe hand railing;
(59) 18,500 lbs. copper water stops;
(60) 50,000 lbs. sheet metal grout stops;
(61) 50,000 lbs. corru. metal drains;
(62) 55,000 lbs. stairs, ladders and gratings;
(63) 1,000 lbs. misc. steel work;
(64) 5,000 lbs. cast iron gratings;
(65) 4,000 lbs. misc. brass and bronze
(66) 50,000 lbs. galvanizing;
(67) 5,000 lbs. removing misc. equipment from existing dam and installing it in new locations;
(68) complete job, removing water stage recorder from present location and installing in new location;
(69) complete job, removing accumulators and frames, etc.;
(70) complete job, removing and reinstalling three 36-in. balanced valves;
(71) 50,000 lbs. installing three 42-in. steel pipes connecting to 36-in. balanced valves;
(72) 500,000 lbs. installing outlet valves furnished by the city;
(73) 110,000 lbs. installing fixed supports, pier plates, and hinge pins for spillway gates;
(74) 250,000 lbs. installing drum gates (including installing seals);

( ) 100,000 lbs. installing flanged pipe and fittings and valves connected thereto, for spillway gate control system;
6) 35,000 pounds installing control mechanism, piping, and other parts of spillway gate control system not included in item 75;
7) 2,000 lbs. installing misc. metal work furnished by the city;
8) 3,500 sq. ft. painting concrete surfaces in waterways;
9) No item 79;
0) 7 squares roofing on concrete houses;
1) 800 c.y. crusher run base;
2) 5,000 gallons emulsified asphalt;
3) 110 c.y. base rock;
4) 60 c.y. screenings;
5) 3,200 lbs. corrugated metal pipe culverts;
6) 500 l.f. 6-in. drain tile;
7) 1 plant, furnishing and installing cooling plant;
8) 7,200 hours, operating refrigerating plant.

Plans and specifications obtainable t Room 609, San Francisco Water Department Bldg., 420 Mason Street, upon deposit of $50.00.

CONSTRUCTION PLANNED

BONNEVILLE, Oregon — Approximately $11,000,000 in new work on the Bonneville power and navigation project will be contracted during the winter and spring, according to Dist. Engineer Major Charles F. Williams, customhouse, Portland.

The principal projects planned are:

(1) Power-house turbines, 2 main units, 1 house unit. Estimated cost, $1,500,000. Bids will be called this month.
(2) Generators, 2 main units, 1 house unit. Estimated cost, $1,600,000. Bids will probably be called in March.
(3) Main transformers and portion switch-gear, costing about $365,000. Bids will be called in April.
(4) About 75,000 bbls. of cement for the main spillway dam. Estimated cost, $1,700,000. Bids will be called in April.
(5) Channel improvement of Columbia river through gorge. Estimated cost, $260,000. Bids will be called in April.
(6) Relocation of Union Pacific Railroad tracks below U. P. R. R. tracks below Cascade Rapids. Estimated cost, $1,700,000. Bids will be called in April.
(7) Excavation for lower approach canal to ship lock. Estimated cost, $330,000. Bids will be called in May.
(8) Lock gates, tainter valves and floating mooring hooks. Estimated cost, $390,000. Bids will be called in May.
(9) Crest gates and gantry cranes for spillway dam and draft tubes, gantry cranes and intake gates for power house. Estimated cost, $1,500,000. Bids will be called in May.

CONTRACT AWARDED

FORT PECK, Mont.—Massman Construction Co., 737 New York Life Bldg. Kansas City, Mo., at $7,133,005 awarded contract by the U. S. Engineer Office, Kansas City, for the construction of the Fort Peck Dam Spillway, Fort Peck Project, Montana.

31—PIPE LINES & WELLS

BIDS WANTED

LOS ANGELES, Cal.—Until 10 A. M., January 7, bids will be received by the Metropolitan Water District, 306 West Third St., Los Angeles, for constructing the Big Morongo and San Andreas siphons of the Colorado River Aqueduct, in accordance with Specifications No. 84. The work is located in Riverside County and comprises approximately 1.86 miles of aqueduct construction between points 7 and 5 miles northwest of Garnet, Calif., a station on the Southern Pacifice Railway. Alternative bids are inivited for constructing the siphons of either 12 ft. 4 in. jointed concrete pipe cast in place; 12-ft. precast concrete pipe; or 12-ft. 8-in. welded steel pipe supported on concrete piers. Certified check or cashier's check for at least 5 per cent of the estimated contract payments for the maximum amount of work which may be awarded the bidder. Plans and specifications may be obtained at Room 1007, 306 W. 3rd St., Los Angeles, upon payment of $5.00 per set. F. E. Weymouth, General Manager and Chief Engineer. Bids will be taken as follows:

SCHEDULE 18-J

Construction of two circular jointed cast in place concrete siphons and appurtenant works, between Stations 2989+29 and 9625+75. Siphon diameter 12 ft. 4 in.; total length 9811 ft.

(1) 163,000 cu. yds. excav. for syphons—common;
(2) 49,000 cu. yds. excav. for syphons —rock;
(3) and (4) do not apply here;
(5) 15 cu. yds. excav. for structures —common;
(6) 5 cu. yds. excav. for structures—rock;
(7) Does not apply here;
(8) 96,000 cu. yds. backfill for syphons;
(9) to (11) Do not apply here;
(12) 20,200 cu. yds. concrete in syphons;
(13) 900 cu. yds. concrete in structures—reinforced;
(14) 25 cu. yds. concrete in structures —plain;
(15) and (16) Do not apply here;
(17) 3,800,000 lbs. placing reinf. steel in syphons;
(18) 120,000 lbs. placing reinf. steel in structures;
(19) Does not apply here;
(20) 142 lock joints for monolithic syphons;
(21) 26,000 lbs. installing miscellaneous metal work;
(22) to (29) Do not apply here;
(30) 4500 lbs. placing handrailings;
(31) Does not apply here;
(32) 14,500 ton-mile hauling steel;
(33) 40,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates —fixed at 10c per cu. ft. yard-mile.

SCHEDULE 18-K

Construction of two pre-cast concrete syphons and appurtenant works, between Stations 9289+29 and 9625+75. Syphon diameter 12 ft. 0 in.; total length 9811 ft.

(1) 142,000 cu. yds. excavation for syphons—common;
(2) 42,700 cu. yds. excavation for syphons—rock;
(3) and (4) Do not apply here;
(5) 15 cu. yds. excav. for structures—common;
(6) 5 cu. yds. excavation for structures—rock;
(7) Does not apply here;
(8) 80,000 cu. yds. backfill for syphons;
(9) to (12) Do not apply here;
(13) 900 cu. yds. concrete in struct.—reinf;
(14) 4100 cu. yds. concrete in struct. —plain;
(15) Does not apply here;
(16) 9659 lin. ft. pre cast concrete pipe
(17) Does not apply here;
(18) 120,000 lbs. placing reinf. steel in structures;
(19) and (2) Do not apply here;
(21) 26,000 lbs. installing misc. metal work;
(22) to (27) Do not apply here;
(28) 2,210,000 lbs. furnishing and placing reinf. steel in cages;
(29A) 2775 lin. ft. furnishing and placing 16-gauge steel cylinder reinf.;
(29B) 885 lin. ft. furnishing and placing 10-ga. steel cylinder reinf.;
(30) 4500 lbs. placing handrail;
(31) Does not apply here;
(32) 550 ton-mile hauling steel;
(33) 37,000 ton-mile hauling cement;
(34) overhaul of concrete aggregates; fixed at 10c per cu. yd. mi.

SCHEDULE 18-S

Construction of two welded steel syphons and appurtenant works bet. Stations 9289+29 and 9625+75. Syphon diameter 12 ft. 8 in.; total length 9811 ft.

(1) 83,000 cu. yds. excav. for syphon, common;
(2) 19,300 cu. yds. excav, for syphon, rock;
(3) and (4) Do not apply here;
(5) 4800 cu. yds. excav for structures, common;
(6) 1350 cu. yds. excav. for structures, rock;
(7) Does not apply here;
(8) 5100 cu. yds. backfill for syphons
(9) to (12) Do not apply here;
(13) 1490 cu. yds. concrete in structures, reinf.;
(14) 3610 cu. yds. concrete in structures, plain;
(15) 1740 cu. yds. concrete in anchors, reinf.;
(16) and (17) Do not apply here;
(18) 340,000 lbs. placing reinf. steel in structures;
(19) and (20) Do not apply here;
(21) 5000 lbs. installing miscellaneous metal work;
(22) 169 each furnishing and installing ring girder assemblies;
(22A) deduction or addition per lb. for change in weight of assembiles as ordered by the district;
(23) 205,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb," with field joints "A"
(23A) Alt.—81,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb," with field joints "B"
(23B) Alt.—73,000 lbs. furnishing and installing stiffeners, types "Sa" and "Sb," with field joints "B";
(24) 14 each furnishing and installing expansion joints;
(25) 3 each furnishing and installing manholes;
(26) 6 each furnishing and installing blowoff, standpipe and air valve connections;
(27) 9319 lin. ft. furnishing and installing ⅜-in. plate steel pipe;
(28) and (29) Do not apply here;
(30) 4500 lbs. placing hand railing;
(31) Does not apply here;
(32) 1300 ton miles hauling steel;
(33) 13,000 ton miles hauling cement;
(34) overhaul of concrete aggregates (fixed at 10c per cu. yd. mi.);
(35) constructing experimental section (lump sum).

CONTRACTS AWARDED

RIVERSIDE COUNTY, Calif.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $1,739,846.24 (including a deduction of 12% on all unit prices for award of all contracts) was awarded contracts by the Metropolitan Water District, Los Angeles, for the construction of monolithic concrete siphons, cut-and-cover concrete conduit, and appurtenant works of the Colorado River Aqueduct under Spec. No. 82.

The work is located in Riverside County and comprises approximately 12.8 miles of aqueduct construction, Station 10812 plus 65 to 12122 plus 00, between a point about two miles north of the City of San Jacinto, located on the A. T. & S. F. Railway and a point about ten miles south of the City of Riverside.

PROSPECTIVE BIDDERS.

LOS ANGELES, Calif.—Contractors and others who have procured plans for constructing the Big Morongo and San Andreas siphons of the Colorado River Aqueduct under Spec. No. 84, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, January 7, 10 A. M., as previously reported, are:

Geo. B. McComb, The Barrett Co., 40 Rector St., New York.

Herbert M. Baruch Corp., 625 So. Olive St., Los Angeles.

Babcock & Wilcox, 444 17th Street, Denver.

American Concrete & Steel Pipe Co. Box 1428, Arcade Station, Los Angeles.

General Paint Corp., 522 Mateo St., Los Angeles.

Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles.

Consolidated Steel Co., P. O. Box 1348, Arcade Station, Los Angeles.

CONTRACT AWARDED

SAN FRANCISCO — M. J. Lynch, Oakdale and Barnevald Aves., San Francisco, at $89,365 (Section A) and Sibley Grading & Teaming Co., Ltd., 165 Landers St., San Francisco, at $133,494.50 (Section B) awarded contracts by the Public Utilities Commission, City Hall, for laying the University Mound Pipe Line Completion from Brannan Street to Broadway in the City of San Francisco, under Specifications No. W. D. 65, Revised.

32— SEWERS & SEWAGE DISPOSAL PLANTS

BIDS OPENED

SAN PEDRO, Los Angeles Co., Cal.—Hull, Smale & Ramage, Inc., 1300 West "B" St., Wilmington, at $1,935 submitted low bid to Public Works Officer, 11th Naval District, San Diego, December 4, and recommended for award of contract for relaying moorings A, B, and C at Los Angeles Harbor, San Pedro, under Specifications No. 7853.

Merritt, Chapman & Scott Corp., San Pedro, at $2,762 submitted only other bid.

BIDS WANTED

BURLINGAME, Cal.—Until January 7, 8 P. M., bids will be received by the Burlingame City Council for the construction of a sewage disposal and intercepting sewer to be located in the bay about ½ mile from shore, near the end of Broadway. Estimated cost, $147,000.

Plans and specifications will be obtainable from City Engineer Charles M. Thomas, after December 12, upon deposit of $10.

A bond issue in the amount of $86,000 to secure a PWA allotment was voted August 30. A complete list of bid items will be published shortly.

33— WATERWORKS

BIDS WANTED

ROSEVILLE, Placer Co., Cal.—Until December 22, 10 A. M., bids will be received by Roseville City Council, F. R. Chilton, City Clerk, for the construction of improvements to the water distributing system in the City of Roseville.

County Engineer John A. Shields prepared the plans and specifications. Work will include installation of about 4,000 feet of 12-inch cast iron pipe. Estimated cost, $12,500.

Plans and specifications obtainable from the city clerk.

CONTRACTS AWARDED

SANTA CRUZ, Santa Cruz Co., Cal.—Contracts for pipe, valves, lead, etc. have been awarded by the Santa Cruz City Council, as follows:

U. S. Pipe & Foundry Co., Monadnock Bldg., San Francisco, $400.36, for 4-in. pipe and valves.

R. E. Olson Co., 2033 87th Avenue, Oakland, $189.13 for oakum, hemp and caulking lead.

Forni Mfg. Co., 1379 62nd St., Oakland, $108.34, for meter and valve boxes.

All bids for copper pipe were rejected and the material will be bought in the open market.

BIDS WANTED

SAN FRANCISCO—Until December 26, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, under Water Department Specifications No. 68, for the laying of 6-in. and 8-in. cast iron mains in the west section of the Sunset District. The work involves:

(1) 28,015 lin. ft. excavation and backfill for 6-in. and 8-in. pipe, trench 17-in. wide and 36-in. deep;
(2) 440 cu. yds. additional excavation and backfill;
(3) 1090 sq. ft. additional pavement removal and replacement;
(4) Installing of pipe:
(a) 23,255 lin. ft. 6-in. bell and spigot cast iron pipe;
(b) 4760 lin. ft. 8-inch bell and spigot cast iron pipe;
(5) 13,770 lbs. installing fittings, gate valves, etc.;
(6) 3400 lin. ft. making joints, bell and spigot;
(7) 43,660 sq. ft. repavement.

N. A. Eckart, engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.

BIDS WANTED

SAN FRANCISCO—Until December 26, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, under Water Department Specifications No. 69, for the laying of 6-in. cast iron mains in the Excelsior District. The work involves:

(1) 28,890 lin. ft. excav. and backfill for 6-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 460 cu. yds. additional excavation and backfill;
(3) 1120 sq. ft. additional pavement removal and replacement;
(4) Installing 28,890 lin. ft. 6-in. bell and spigot cast iron pipe;
(5) 5930 lbs. installing of fittings, gate valves, etc;
(6) 3170 lin. ft. making joints, bell and spigot;
(7) 40,930 sq. ft. repavement.

N. A. Eckart, engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.

BIDS WANTED

SAN FRANCISCO—Until December 26, 3 P. M., bids will be received by the Public Utilities Commission, Rm. 287, City Hall, under Water Department Specifications No. 55, for laying 12-in. and 16-in. cast iron feeder mains in the northwest and southwest sections of San Francisco.

The work includes the laying of 14,920 lin. ft. of 12-in. cast iron pipe, 15,200 lin. ft. of 16-in. cast iron pipe, and all fittings, gate valves, etc., in locations as follows:

(A) 2280 lin. ft. 16-in. C.I.P. on Post Street from Scott St. to Presidio Ave.;
(B) 300 lin. ft. 16-in. C.I.P. on Presidio Ave., from Post St. to Geary Blvd.;
(C) 3780 lin. ft. 16-in. C.I.P. on Geary Blvd. from Presidio Ave. to Arguello Blvd.;
(D) 4900 lin. ft. 16-in. C.I.P. on Geary Blvd. from 23rd Ave. to 39th Ave.;
(E) 2550 lin. ft. 12-in. C.I.P. on 29th Ave. from Anza St. to Lake St.;
(F) 1310 lin. ft. 16-in. C.I.P. on 29th Ave. from Fulton St. to Balboa Street;
(G) 3420 lin. ft. 12-in. C.I.P. on Balboa St. from 31st to 42nd Ave.;
(H) 2630 lin. ft. 16-in. C.I.P. on 39th Ave. from Fulton St. to Geary Blvd.;
(I) 3110 lin. ft. 12-in. C.I.P. on Holloway Ave. from Saxon St. to Monticello St.
(J) 2300 lin. ft. 12-in. C.I.P. on Monticello from Holloway to Worcester Ave.
(K) 460 lin. ft. 12-in. C.I.P. on Worcester Ave. from Monticello to Randolph St.
(L) 2070 lin. ft. 12-in. C.I.P. on Randolph from Worcester to Orizaba Street;
(M) 1010 lin. ft. 12-in. C.I.P. on Orizaba from Randolph to Sagamore Streets;

Bids will be taken as follows:

(1) Excavation and backfill:
(a) 14,920 lin. ft. 12-in. cast iron pipe, trench 24-in. wide by 44-in. deep;
(b) 15,200 lin. ft. 16-in. cast iron pipe, trench 30-in. wide by 48-in. deep;
(2) 970 cu. yds. additional excavation and backfill;
(3) 1860 sq. ft. additional pavement removal and replacement;
(4) (a) 14,920 lin. ft. 12-in. bell and spigot cast iron pipe;
(b) 15,200 lin. ft. 16-in. bell and spigot cast iron pipe;
(5) 76,430 lbs. installing fittings, gate valves, etc.;
(6) 8800 lin. ft. bell and spigot joints for pipe and fittings;
(7) 74,600 sq. ft. repavement.

N. A. Eckart, engineer. Plans and specifications obtainable at Room 605, San Francisco Water Department Bldg., 425 Mason St., upon deposit of $10.

BIDS WANTED

LOS ANGELES COUNTY, Calif.—Until Dec. 26, 2 P. M., bids will be received by the Department of Public Works, Division of Highways, S. V. Cortelyou, District Engineer 808 State Building, Los Angeles, for installing about 5.9 miles of water pipe line in Los Angeles County on Ramona Blvd. and Garvey Ave. between Mission Rd. in Los Angeles, and Atlantic Blvd. in Monterey Park.

The work involves:

(1) 30,500 l.f. 1-in. galvanized iron pipe in place;
(2) 13,300 l.f. 1½-in. do;
(3) 1,200 l.f. 2-in. do;
(4) 400 hose connection boes in place;
(5) 80 timber markers in place.

Plans and specifications obtainable from above office.

34 — PARKS AND PLAYGROUNDS

CONTRACT AWARDED

SAN FRANCISCO.—M. E. Vukicevich, 666 Mission Street, at $5,320 was awarded contract by the Department of Public Works for removing field house, wire fencing and back stop at the James Rolph Playground, located on Hampshire St., Army St. and Potrero Avenue. Contract awarded on Proposition 1 and Alternate No. 1, deducting $227.00.

35— TUNNELS

CONTRACT AWARDED

SAN FRANCISCO.—Standard Fence Co., 440 Bayshore Blvd., at $86.94 awarded contract by Recreation Commission for gates and fencing at St. Marys' Park. Complete bids follow:

Standard Fence Company	$ 86.94
Michel & Pfeffer Iron Works	95.00
Eureka Iron & Wire Co.	96.00
West Coast Wire & Iron W'ks	100.00

NEW BIDS ASKED

SAN FRANCISCO—Until December 26, 3 P. M., new bids will be received by the Public Utilities Commission, Room 282, City Hall, for the construction of Tunnel No. 1-B of the Lower Cherry Aqueduct, under Hetch Hetchy Water Supply Contract No. 151.

A tunnel 2910 feet in length is to be constructed to replace an existing wood flume of Lower Cherry Aqueduct, in Tuolumne County. The work involves:

(1) 6900 cu. yds. tunnel excav.;
(2) 5 MFBM permanent timbering in tunnel;
(3) 200 cu. yds. concrete lining in tunnel;
(4) 20 cu. yds. excavation in open cut and above ground surface;
(5) 10 cu. yds. concrete in open cut and above ground surface;
(6) 20 bbls. extra cement in concrete
(7) 5000 lbs. reinforcing steel;
(8) 5000 lbs. placing metal work furnished by the City.

Plans and specifications obtainable at Room 609, 425 Mason St., upon deposit of $10.

T. E. Connolly, 461 Market St., San Francisco, at $98,812 submitted the previous low bid.

PROSPECTIVE BIDDERS

LOS ANGELES COUNTY, Cal.—Following are additional plan-holders for constructing the Monrovia Nos. 1 2 and 3 and Pasadena tunnels and appurtenant works, in accordance with Specifications No. 77, bids for which will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, December 17, 10 A. M., as previously reported:

New Mexico Constr. Co., P. O. Box 592, Albuquerque.

Hamilton & Gleason, Box 86, Lakeview.

W. I. Hollingsworth & Co., Hollingsworth Bldg., Los Angeles.

J. H. Brock, 548 S. Spring St., Los Angeles.

Electric Storage Battery Co., 341 W. 18th St., Los Angeles.

Sander Pearson, Mundo Engineering Co. and C. O. Sparks, 2309 E 9th St., Los Angeles.

Glens Falls Indemnity Co., 640 Fidelity Bldg., Los Angeles.

Merritt, Chapman & Scott Corp., 780 Wilmington Blvd., San Pedro.

29—STREETS AND HIGHWAYS

BIDS OPENED

SAN FRANCISCO.—Chas. L. Harney, 443 Call Building, at $9,153.49 submitted the only bid to the Department of Public Works, City Hall, for the improvement of Moraga Street between 17th and 18th Avenues, were not improved, and other streets.

Unit bids follow:

(1) 680 l.f. 6-in. vit. clay pipe side sewer, $1,190.
(2) 479 l.f. armored concrete curb, $718.50;
(3) 383 l.f. unarmored concrete curb, $440.45;
(4) 813 sq. ft. 6-in. Class E concrete pavement, $276.52;
(5) 18,318 sq. ft. asphalt conc. pavement, consisting of 6-in. Class F concrete base and 2-in. asphaltic concrete wearing surface, $6,228.12;
(6) 1,000 sq. ft. 2-in. asphaltic concrete wearing surface, $300.

Bid held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Osborn Co., 1570 San Pasqual St., Pasadena, at $43,029.15 submitted low bid to the Los Angeles County Board of Supervisors, December 10, for the improvement of the La Canada-Verdugo Road from Michigan Ave. southeasterly to Devil's Gate Dam and along portions of Highland Drive and Linda Vista Ave., adjacent to said La Canada-Verdugo Road at Devil's Gate Dam, a total distance of 5,500 l.f. or 1.04 miles, Unit No. 1 of Federal Works Project No. 3123, Cash Contract No. 441.

Total A, using redwood for all timber portions of timber and concrete bridge, except bulkhead planks, deadmen piling, which shall be of creosoted Douglas fir.

Total B, using creosoted Douglas fir for all timber portions of timber and concrete bridge.

Total bids follow:

Osborn Co., Pasadena, (Total A) $43-029.15; (Total B) $43,029.15.

J. L. McClain, Los Angeles, (A) $44-050.13; (B) $43,850.13.

Geo. R. Curtis Paving Co., Los Angeles, (A) $46,758.10; (B) $46,565.10.

Griffith Co., Los Angeles, (A) $47,-245.74; (B) $48,995.74.

R. R. Bishop, Long Beach, (A) $49,-867.69; (B) $50,567 69.

Heuser & Garnett, Glendale, (A) $64,144.43; (B) $64,144.43.

WORK TO START SHORTLY.

OAKLAND, Cal.—The City of Oakland Port Commission will start work shortly under SERA labor for surfacing airport road leading to airport beacon. Materials will be purchased in the open market and approximately 1,200 c.y. of rock is involved. Estimated cost, $250.

CONTRACT AWARDED

DOUGLAS CUNTY, Oregon.— R. I. Stuart and Sons, Medford, at $26,914 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 6, for 0.61 mile pavement widening and resurfacing on the Roseburg Section of Pacific Highway, Douglas County, U.S.P.W. Proj. NRM-78-C and NRM-78-D.

Complete bids follow:

R. I. Stuart & Sons, Medford	$26,914.00
United Contr. Co., Portland	28,173 00
E. C. Hall, Eugene	28,798.00
Mountain States Const. Co., Eugene	28,829.50
Northwest Roads Co., Portland	29,877.00
J. C. Compton, McMinnville	31,982.29

CONTRACT AWARDED

COOS COUNTY, Ore.—R. I. Stuart & Sons, Medford, at $12,150 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 6, for 0.34 mile of pavement widening and resurfacing on the Golden Ave.-Johnson Avenue Unit, Marshfield Section of the Oregon Coast Highway, Coos County, U.S.P.W. Project NRM 141-F.

Complete bids follow:

R. I. Stuart and Sons, Medford	$12,150.00
Mountain States Const. Co., Eugene	12,443.00
United Contr. Co., Portland	13,508.00
J. C. Compton, McMinnville	14,462.50

Northwest Roads Co., Portland, bid irregular.

CONTRACT AWARDED

DOUGLAS COUNTY, Ore.—Haskin and Brooks Const. Co., La Center, Wash., at $40,364 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 6, for 0.39 mile of grading on the Bolon Island Section of the Oregon Coast Highway, Douglas Co., U.S.P.W. Project NRH 10-C.

Complete bids follow:

Haskin & Brooks Const. Co., La Center, Wash.	$40,364 00
Chas. H. Leonard, Albany	43,585.00
Earl L. McNutt, Eugene	44,825.00
F. C. Dillard, Medford	53,595.00
E. C. Hall, Eugene	55,875.00
Kern & Kibbe, Portland	61,404.00
A. C. Greenwood Co., Inc., Portland	70,950.00

BIDS WANTED

BENTON COUNTY, Oregon.—Until Dec. 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 0.54 mile of paving and resurfacing on Third St.-Fifteenth St. Unit of Corvalls Section of Corvallis-Newport Highway, U.S.P.W. Project NRM 222-B, in Benton County.

The work involves approximately 1,-750 sq. yds. Portland cement concrete pavement and 950 tons of asphaltic concrete.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

LOW BIDDERS

GRAND COULEE DAM, Wash.—Standard Asphalt Paving Company, 603 Chronicle Bldg., Spokane, at $94,-839 submitted low bid to the Bureau of Reclamation, Almira, Wash., Dec. 6, under Spec. No. 581, for the construction of highway, street ,alley and parking area surfacing; sidewalks, curbs and gutters; catchbasins, and storm sewers for the Government Camp at Grand Coulee Dam, about 22 miles northwest of Almira.

Harold Blake, Portland, at $98,885, and the Northwest Roads Co., Portland, at $103,376, submitted second and third low bids, respectively.

Complete bids will be given shortly.

BIDS WANTED

JACKSON COUNTY, Oregon—Until Dec. 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for 1.4 miles of pavement resurfacing on the North Medford Section of the Pacific Highway, U.S.P.W. Projects 157-A and NRM 157-C, in Jackson Co.

The work requires approximately 2,900 tons of asphaltic concrete.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

JACKSON COUNTY Oregon—Until Dec. 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for 1,188 l.f. of pavement widening and resurfacing on the South Ashland Section of Pacific Highway, U.S.P.W. Project NRM 190-D, in Jackson Co.

The work requires approximately 2,600 sq. yds. Portland cement concrete pavement and 400 tons of asphaltic concrete.

This project may be bid in combination with the North Medford project.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

LOW BIDDERS

YAVAPAI COUNTY, Ariz.—Skousen Bros., Albuquerque, N. M., at $117,728.45 submitted low bid to the Bureau of Public Roads, Phoenix, for grading Section I of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai Co. The length of the project is 4.582 mi.

Daley, Vinson & Fringle, Phoenix, at $118,080.52 submitted second low bid and Hodgman & MacVicar, Flagstaff, at $127,393.50 third.

Engineer's estimate, $127,393.50.

BIDS WANTED

YAKIMA COUNTY, Wash. — Until December 21, 10 A. M., bids will be received by the Bureau of Pub. Rds., 316 New Post Office Bldg., Portland, for constructing or improving the Randle-Yakima Highway Grading and Bridge Project FHEC-13-P, National Forest Road Project, located within the Snoqualmie National Forest, Yakima County, Washington.

The length of the project is approximately 1.8859 miles (excluding bridge), and the work involves:

(1) 16 acres clearing;
(2) 11 acres grubbing;
(3) 54,420 cu. yds. unclassified excavation;
(4) 51,000 sta. yds. overhaul;
(5) 1.8859 mi. finish earth graded road;
(6) 6500 lin. ft. rounding cut slopes;
(7) 20 MFBM treated timber;
(8) 51 cu. yds. Class A concrete;
(9) 60 cu. yds. Class D concrete;
(10) 4000 cu. yds. mi. overhaul;
(11) 12,000 lb. reinforcing steel;
(12) 590 lin. ft. culverts (alternate).

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

COWLITZ COUNTY, Wash.—Until December 21, 2 P. M., bids will be received by the Bureau of Public Rds., 316 New Post Office Bldg., Portland, for construction or improving the St. Helens Highway Reconstruction Grading, Project FHEC-15-A4, National Forest Road Project, located within the Columbia National Forest, Cowlitz County, Washington. The length of the project is approximately 2.325 miles, and the work involves:

(1) 2 acres clearing;
(2) 2 acrs grubbing;
(3) 74,300 cu. yds. unclass. excav.;
(4) 2.325 mi. finish graded road;
(5) 20 acres clear down timber and drift;
(6) 25 MFBM treated timber;
(7) 552 lin. ft. culverts (alternate);
(8) 37,500 cu. yds. mi. overhaul;
(9) 3000 lin. ft. bank sloping.

Plans and specifications obtainable from above office upon deposit of $10.

CONTRACT AWARDED

UMATILLA COUNTY, Oregon — Newport Constr. Co., Governor Bldg., Portland, at $36.571.50 (tar) submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 6, for 5.58 miles grade widening, surfacing, and oil mat surface treatment and furnishing crushed rock in stockpiles on the Holdman-Meiner's Ranch Section of Pendleton - Cold Springs Highway Umatilla County, U.S.P.W. Project NRS 233-B. Complete bids follow:

Newport Constr. Co., Portland, (1) tar, $36,571.50; (2) road oil, $36,918.30.

Joplin & Eldon, Portland, (1) $40,905; (2) $40,831.

Joslin & McAllister, Spokane, (1) $41,001.50; (2) $41,128.

Babler Bros., Portland, (1) $41,750; (2) $41,800.

Saxton & Looney, Corvallis, (1) no bid; (2) $42,237.50.

Northwest Roads Co., Portland, (1) $43,669; (2) $43,876.

BIDS OPENED

LEWIS COUNTY, Wash. — Sam Orino, E 3104 Boone St., Spokane, at $60,456.80 submitted low bid to the Bureau of Public Roads, Portland, December 5, for 0.4394 mile grading on the Randle - Yakima Highway Grading Project FHEC - 13 - M2, Q National Forest Project, Rainier Nat'l. Forest, in Lewis County, Washington. The other bids were:

Colonial Constr. Co., Spokane, $67,729.29.

Elich & Co., Seattle, $69,165.72.

Myers & Goulter, Seattle, $73,844.30.

A. C. Greenwood Co., Portland, $78,665.72.

E. Hefty, Portland, $80,909.29.

L. Romano Engineering Corp., Seattle $88,614.30.

J. C. Papin, Carson, Wash., $88,804.29.

CONTRACT AWARDED

OCEANSIDE, Cal.—United States Cast Iron Pipe Co., 417 S. Hill St., Los Angeles, at $3258.78 submitted low bid and awarded contract by the Oceanside City Council, December 5, for furnishing cast iron ball and spigot pipe, fittings and valves for pipe replacment for the water department. Other bids on the pipe were:

Utilities Supply Co. $3828.13
American Cast Iron Pipe Co. 3291.48
Grinnell Co. 3297.37

Identical bids at $23.52 for 2 6-in. gate valves and $12.88 for 2 4-in. gate valves were submitted by Rensselaer Valve Co., Rich Mfg. Co., and Iowa Valve Co.

Bids on valves held under advisement.

BIDS WANTED

COLUMBIA COUNTY, Ore. — Until December 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for 1.91 miles of crushed rock or gravel resurfacing and bituminous macadam wearing surface, on the Pittsburg-Veronia Section of Nehalem Secondary Highway, U.S.P.W. Project NRS 213-E, in Columbia County; also furnishing approximately 1,800 cubic yards crushed rock or gravel in stockpiles.

This project may be bid in combination with the Trehorn-Buxton Project.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Building, Salem upon deposit of $5.00.

CONTRACT AWARDED

BERKELEY, Alameda Co., Cal.—Ransome Co., 4030 Hollis St., Emeryville, at $660 20 submited low bid and awarded contract by the Berkeley City Council for improving one block on East Rose Street between Yale and Hopkins Streets.

The other bids were:

W. H. Larsen, Berkeley $698.70
Independent Const. Co., Oakland 795.00

CONTEMPLATED

MONROVIA, Cal.—The state agreement with the City of Monrovia for the improvement of Foothill Blvd. has been approved by State Director of Public Works, Earl Lee Kelly. Under the terms of the agreement, the city will receive $23,016 for the widening of Foothill Blvd., from Canyon Blvd. to Shamrock Ave., and the construction of curbs, gutters and pavement.

Plans are being prepared under the supervision of G. H. Guell, City Engineer.

BIDS WANTED

HUMBOLDT COUNTY, Cal.—Until December 12, 2 P. M., bids will be received by the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco, for widening a portion of Section A of Route 51, the Hoopa National Forest Highway, Trinity National Forest, Humboldt County The work involves:

(1) 5000 cu. yds. unclassified excav.;
(2) 2800 cu. yds. mi. haul.

Plans and specifications obtainable from above office and on file at the Resident Engineer's office at Willow Creek, Calif.

BIDS WANTED

LAKE COUNTY, Oregon—Until December 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, 3rd floor, Public Service Bldg., Portland, for 1.8 mi. grading, 0.8 mile crushed rock surfacing, 8.5 miles bituminous macadam wearing surface, and furnishing 2200 cu. yds. crushed rock in stockpiles on the White Rock-Lakeview Section of Fremont Highway and Fremont Junction Section of Warner Secondary Highway, U. S. P. W. Projects NRH 32-A and NRM 32-E, and NRS 241, in Lake County.

The work requires approximately 20,000 cu. yds. excavation; 7700 cu. yds. talus roadbed topping; 4500 cu. yds. crushed rock surfacing and shoulders, and 107,000 sq. yds. bituminous macadam wearing surface.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

BIDS OPENED

KING COUNTY, Wash.—Erickson Paving Co., 1550 N. 34th St., Seattle, at $72,523 submitted low bid to the Washington State Highway Commission, Olympia, December 4, for paving with Portland cement concrete about 2.1 miles of the route of State Road No. 2 in the City of Seattle, Section 1, Rainier Ave., between Jackson and Dearborn Strees, and Section 2, Empire Way, between Renton Ave. and South City limits, U.S P.W. Project NRM 142-I, in King County. Tre other bids were:

Northwest Construction Co., Seattle, $72,874.

Fiorito Bros., Seattle, $74,160.

Queen City Constr Co., Seattle, $74,938.

Goetz & Brennan, Seattle, $75,797.

N. Fiorito, Seattle, $77,627.

L. J. Dowell, Inc., Seattle, $78,839.

J. B. Covello, Seattle, $82,314.

Bids held under advisement.

AWARD

SPOKANE COUNTY, Wash.—Chas. A. Power, E. 27 8th St., Spokane, at $48,961 submitted low bid and awarded contract by the Washington State Highway Commission, Olympia, Dec. 4, for grading, surfacing with crushed stone and paving with Portland cement concrete about 2.9 mils of State Road No. 11, Cheney-West, U.S.P.W. Project NRH 20 and NRM 133-E, In Spokane County. The other bids were:

Clifton & Applegate, Spokane.... $54,185
J. H. Collins & Co., Spokane.... 55,384
Norris Bros., Burlington..... 63,384

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

BIDS OPENED

EUREKA, Humboldt Co., Calif.—Following bids received by the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, 546 W. Wabash Ave., Eureka, for the rental of eight 3-yard dump trucks for approximately 4,000 hours. The trucks are to be used as follows:

(1) two for not to exceed 500 hours each, in the vicinity of Crescent City;
(2) two for not to exceed 500 hours each, in the vicinity of Eureka;
(3) one for not to exceed 500 hours in the vicinity of Hoopa;
(4) one for not to exceed 500 hours in the vicinity of Willow Creek;
(5) two for not to exceed 500 hours each, in the vicinity of Garberville.

The bidders were:

(A) J. P. Barrett, Colusa.
(B) Ashurst Bros., Hopland.
(C) Jack Starkenburg, Los Angeles.
(D) Thos. O'Brien, San Francisco.
(E) W. K. Walker, Crescent City.
(F) K. N. Dewar, Eureka.
(G) H. Beckstrom, Trinidad.
(H) J. M. Vance, Eureka.
(I) Frank O'Shea, San Francisco.
(J) Daniel Gallagher Co., S. F.
(K) W. E. Sinclair, Miranda.

The bids were:

	(1)	(2)	(3)	(4)	(5)
(A)	$2.80	$	$	$	$ .....
(B)	3.00	2.80	3.00	3.00	2.80
(C)	.....	2.55	2.55	2.55	2.55
(D)	2.55	2.55	3.00	2.85	2.55
(E)	2.55	2.55	2.55	2.55	2.55
(F)	2.55	2.55	2.55	2.55	2.55
(G)	2.55	2.55	3.00	3.00	3.00
(H)	2.55	2.55	3.00	3.00	3.00
(I)	3.00	3.00	3.00	3.00	2.75
(J)	2.55	2.55	2.55	2.55	2.55
(K)	.....	2.55	.....	.....	2.55

Bids held under advisement.

BIDS OPENED

HALF MOON BAY, San Mateo Co., Cal.—Oakland Sewer Const. Co., 9915 Walnut St., Oakland, at approximately $38,500 submitted the only bid to the Half Moon Bay Sanitary District December 7, for the construction of a sanitary sewer system at Half Moon Bay under the 1911 improvement act.

Unit bids follow:

(1) 18,900 l.f. 6-in. diameter sanitary sewer, $.79;
(2) 6,200 l.f. 8-in. do. $.90;
(3) 2,900 l.f. 4-in. dia. lateral sewer, $.48;
(4) 190 6x4-in. T branches, $.50;
(5) 33 8x4-in. T branches, $.55;
(6) 88 standard type manholes, $50;
(7) 7 drop type manholes, $75;
(8) 222 l.f. of piers and beams, $4;
(9) 510 l.f. 6-in. dia. outfall pipe, $6.-40;
(10) 1 sewerage treatment plant, complete, $4,748;
(11) 8,950 sq. ft. replacing pavement;
(12) 3,100 sq. ft. replacing sidewalk.

Bids held under advisement until December 21.

BIDS OPENED

FRESNO COUNTY, Cal.—Wm. C. Horn Co., 465 E. Holt Ave., Pomona, at $66,813.74 submitted low bid to the State Highway Commission, Sacramento, for the construction of a steel beam bridge with concrete deck across Kings River, 1½ miles east of Centerville, consisting of one 70-ft. 0-in. span, two 63-ft. 0-in. spans, and two 62-ft. 0-in. spans on concrete piers and abutments, and about 1.2 mi. of roadway approaches to be graded and

LASSEN-SIERRA COS.—10.5 Mi. Grading & Oiling—(State)

LASSEN & SIERRA COUNTIES, Cal.—Harms Brothers, 522 21st Ave., Sacramento, at $82,984.50 submitted low bid to the State Highway Commission, for about 10.5 miles of grading and oiling in Lassen and Sierra Counties, between 2.8 miles north of the junction of Routes 21 and 29 and the Nevada State Line.

The work involves:

(1) 70.4 acres clear and gurb right-of-way;
(2) 220,000 c.y. rdwy. excav., unclass.
(3) 716,000 sta. yds. overhaul;
(4) 1,650 c.y. structure excavation;
(5) 197 c.y. Class A Portland cement concrete (structures);
(6) 14,700 lbs. bar reinf. steel (structures);
(7) 330 l.f. 8-in. CMP;
(8) 108 l.f. 12-in. CMP;
(9) 1,922 l.f. 18-in. CMP;
(10) 272 l.f. 24-in. CMP;
(11) 92 l.f. 30-in. CMP;
(12) 62 l.f. 36-in. CMP;
(13) 33 each 8-in. CMP elbows;
(14) 33 each spillway assemblies;
(15) 102 each culvert markers;
(16) 706 M. gals. water;
(17) 220 tons fuel oil;
(18) 152,250 sq. yds. preparing roadbed for oil treatment;
(19) 155 tons asphaltic road oil;
(20) 2,200 tons fine screenings;
(21) 552 stations finishing roadway;
(22) 84 each monuments complete in place.

Total bids follow:

(A) Harms Bros., Sacramento, $82,-984.50.
(B) George Pollock Co., Sacramento, $88,783.50.
(C) Fredrickson & Watson Const. Co. Oakland, $91,453.30.
(D) Morrison & Knudsen, Los Angeles, $96,893.75.
(E) Peninsula Paving Co., San Francisco, $98,829.00.
(F) A. Teichert & Son, Inc., Sacramento, $99,681.60.
(G) Dodge Const., Inc., Fallon, Nev., $100,124.00.
(H) Isbell Const. Co., Carson City, Nev., $107,301.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$30.00	$30.00	$40.00	$15.00	$25.00	$25.00	$20.00	$25.00
(2)	.17	.185	.22	.25	.215	.245	.26	.22
(3)	.01	.01	.005	.006	.015	.005	.01	.01
(4)	.75	1.50	1.00	1.00	1.50	1.00	1.50	1.00
(5)	27.00	25.00	24.00	22.00	25.00	24.00	27.50	30.00
(6)	.06	.05	.08	.07	.05	.05	.07	.06
(7)	1.00	1.00	1.00	1.20	1.25	1.00	1.00	1.25
(8)	1.25	1.50	1.30	1.50	1.50	1.50	1.25	1.50
(9)	1.75	2.00	1.70	2.00	2.00	1.80	1.75	2.00
(10)	2.75	3.00	2.50	3.00	2.75	3.00	2.50	2.75
(11)	3.50	4.00	3.25	4.00	3.50	4.00	3.00	3.50
(12)	4.50	6.00	5.00	5.00	5.50	5.50	5.00	5.50
(13)	7.50	5.00	5.00	7.00	5.00	8.00	8.00	7.00
(14)	15.00	10.00	15.00	15.00	15.00	15.00	15.00	20.00
(15)	3.00	2.00	1.75	3.00	2.50	2.50	2.50	3.50
(16)	1.50	1.50	1.50	2.50	2.00	2.25	1.50	2.00
(17)	14.00	15.00	14.00	16.50	15.00	19.50	15.00	20.00
(18)	.02	.05	.04	.025	.03	.03	.02	.04
(19)	20.00	20.00	19.00	22.50	20.00	26.00	22.00	30.00
(20)	4.00	3.50	3.00	3.60	4.00	4.25	2.50	6.00
(21)	6.00	2.00	6.00	3.00	5.00	5.00	5.00	8.00
(22)	3.00	2.50	3.00	4.00	2.50	3.00	3.00	3.50

LOS ANGELES — DEBRIS DAM — (COUNTY

LOS ANGELES, Calif.—J. L. McClain, 3850 Brynhurst Ave., Los Angeles, submitted the low bid to the Los Angeles County Supervisors Dec. 10 at $57,072.90, Proposal 1, fob P. E. siding, Burbank, and at $56,044.90, Proposal 2, trucks at site of work, for the construction of a debris basin in Brand Canyon, Glendale.

The work involves:

(1) 0.5 acre clearing;
(2) 1600 cu. yds. stripping;
(3) 62,800 cu. yds. basin excavation, Class A;
(4) 50 cu. yds. basin excav., Class B
(5) 4780 cu. yds. structure excav., Class C;
(6) 30 cu. yds. structure excavation Class D;
(7) 395 cu. yds. cutoff wall excav., Class E;
(8) 105 cu. yds. cutoff wall excav., Class F;
(9) 6500 cu. yds. road excav., Class G;
(10) 600 cu. yds. backfill, tamped or sluiced, Class A;
(11) 9080 cu. yds. backfill, fill, Class B;
(12) 585 cu. yds. mass concrete, Class A;
(13) 260 cu. yds. 6-in. reinforced concrete slabs, Class B;
(14) 1725 cu. yds. structure reinforced concrete, Class C;
(15) 50 lin. ft. drill dowel holes;
(16) 35 lin. ft. place pipe handrail;
(17) 810 lin. ft. place channel fencing;
(18) 3520 lbs. place 4-in. pipe fittings and gate;
(19) 6 catchbasins;
(20) 2 outlet headwalls;
(21) 110 lin. ft. install culverts;
(22) 120,000 mi. yds. overhaul.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway.

The total bids were:

(A) J. L. McClain, (1) $57,072.90; (2) $56,044.90.
(B) Sharp & Fellows Contr. Co., (1) $60,944.25; (2) $60,687.25.
(C) Case Const. Co., Inc., (1) $65,-980.90; (2) $64,656.90.
(D) Oscar Oberg, (1) $65,738.50; (2) $65,224.50.
(E) Fred F. Greenfield Co., (1) no bid; (2) $65,285.16.
(F) Dimmit & Taylor, (1) $65,838.40; (2) $65,324.40.
(G) Kemper Const. Co. and George J. Bock Co., (1) $71,002.50; (2) $70,-488.50.

The unit bids were:

PROPOSAL NO. 1

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$300.00	$600.00	$500.00	$250.00	$	$1000.00	$360.00	$250.00
(2)	.25	.225	.25	.42	.....	.30	.30	.33
(3)	.25	.26	.25	.26	.....	.26	.35	.35
(4)	1.00	1.50	1.75	2.00	.....	2.00	1.40	.80
(5)	1.00	.70	.50	.30	.....	.60	1.10	2.50
(6)	3.00	2.50	1.75	2.00	.....	3.00	3.50	2.50
(7)	1.50	2.00	3.00	1.25	.....	1.50	3.65	3 00
(8)	4.00	5.00	7.00	6.00	.....	3.50	4.45	5.00
(9)	.50	.34	.35	.60	.....	.40	.40	.42
(10)	.20	.85	.85	.75	.....	.30	.50	.22
(11)	.10	.20	.25	.22	.....	.20	.15	.09
(12)	4.40	7.40	8.75	8.05	.....	7.40	7.80	8.00
(13)	7.40	10.35	10.50	9.15	.....	8.70	6.60	9.50
(14)	11.40	10.85	12.15	11.55	.....	12.10	12.10	12.50
(15)	1.50	.50	1.00	.60	.....	1.00	.70	1.00
(16)	.20	.20	1.00	.25	.....	.50	1.40	1.00
(17)	.20	.10	.25	.15	.....	.20	.50	.40
(18)	.02	.05	.02	.02	.....	.02	.07	.12
(19)	10.00	17.50	16.00	21.00	.....	15.00	17.00	2.00
(20)	10.00	17.50	13.00	21.00	.....	15.00	17.00	2.50
(21)	.50	.40	.35	1.25	.....	.30	1.25	.50
(22)	.05	.07	.09	.10	.....	.10	.07	.12

PROPOSAL NO. 2

(1)	300.00	600.00	500.00	250.00	272.00	1000.00	360.00	250.00
(2)	.25	.225	.25	.42	.42	.30	.30	.33
(3)	.25	.26	.25	.26	.25	.26	.35	.35
(4)	1.00	1.50	1.75	2.00	1.80	2.00	1.40	.80
(5)	1.00	.70	.50	.30	.48	.60	1.10	.80
(6)	3.00	2.50	1.75	2.00	3.30	3.00	3.50	2.50
(7)	1.50	2.00	3.00	1.25	1.60	1.50	3.60	3.00
(8)	4.00	5.00	7.00	6.00	4.40	3.50	5.45	5.00
(9)	.50	.34	.35	.60	.80	.40	.40	.24
(10)	.20	.85	.85	.75	1.65	.30	.50	.22
(11)	.10	.20	.25	.22	.20	.20	.15	.09
(12)	4.00	7.30	8.25	7.85	6.00	7.20	7 60	7.80
(13)	7.00	10.25	9.85	8.95	7.00	8.50	6.40	9.20
(14)	11.00	10.75	11.65	11.35	11.40	11.90	12.00	12.30
(15)	1.50	.50	1.00	.60	1.40	1.00	.70	1.00
(16)	.20	.20	1.00	.25	.60	.50	1.40	1.00
(17)	.20	.10	.26	.15	.20	.20	.50	.40
(18)	.02	.05	.02	.02	.013	.02	.07	.12
(19)	10.00	17.50	16.00	21.00	16.00	15.00	17.00	2.00
(20)	10.00	17.50	13.00	21.00	11.00	15.00	17.00	2.50
(21)	.50	.40	.35	1.25	.20	.30	1.25	.50
(22)	.05	.07	.09	.10	.098	.10	.07	.12

TULARE CO. — 1.0 Mi. Grade and Pave — (State)

TULARE COUNTY, Calif.—Basich Brothers, 20550 Normandie Ave., Torrance, at $34,202.50 submitted low bid to the State Highway Commission, Sacramento, for about one mile of grading and paving with asphalt concrete in the City of Tulare.

The work involves:

(1) 4,300 c.y. rdwy. excav., unclass.;
(2) 9,000 sta. yds. overhaul;
(3) 4,400 c.y. imported borrow;
(4) 300 c.y. structure excavation;
(5) 10,600 sq. yds. preparing subgrade for pavement;
(6) 8,400 sq. yds. asph. paint binder;
(7) 6,550 tons asphaltic concrete;
(8) 43 c.y. Class A Portland cement concrete (structures);
(9) 6 c.y. Class A do (curbs, gutters, and sidewalks);
(10) 4,000 lbs. bar reinf. steel struc.;
(11) 180 l.f. 12-in. extra strength reinforced concrete pipe;
(12) 3 each cast steel frames and covers for drop inlets;
(13) 320 c.y. removing and disposing of existing asphalt concrete and Portland cement concrete;
(14) 550 M. gals. water;
(15) 40 l.f. laminated timber guard rail;
(16) 122 tons fuel oil shoulders;
(17) 15,000 sq. yds. preparing, mixing, and shaping oiled shoulders;
(18) 55 stations finishing roadway;
(19) 11 each monuments complete in place.

Total bids follow:

(A) Basich Brothers, Torrance, $34,-202.50.
(B) Valley Paving and Const. Co., Fresno, $36,658.50.
(C) Griffith Co., Los Angeles, $42,-680.50.
(D) Union Paving Co., San Francisco, $43,702.50.
(E) Southern California Roads Co., Los Angeles, $44,682.00.
(F) Hanrahan - Wilcox Corp., S. F., $46,334.50.
(G) A. Teichert & Son, Inc., Sacramento, $47,898.00.
(H) A. J. Raisch, San Jose, $48,461.50.
(I) Stewart & Nuss, Inc., and John Jurkovich, Fresno, $49,903.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .35	$ .50	$ .30	$ .40	$ .50	$ .40	$ .40	$ .50	$ .40
(2)	.01	.03	.01	.02	.03	.02	.02	.05	.02
(3)	.50	.60	.50	.20	.68	.60	.40	.40	.50
(4)	1.00	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00
(5)	.12	.10	.10	.08	.12	.15	.12	.10	.20
(6)	.02	.03	.03	.01	.02	.02	.03	.02	.04
(7)	3.55	3.64	4.87	5.00	4.85	5.00	6.50	5.25	5.50
(8)	25.00	25.00	25.00	20.00	22.00	35.00	25.00	16.00	20.00
(9)	18.00	20.00	20.00	20.00	20.00	35.00	20.00	20.00	20.00
(10)	.06	.07	.06	.05	.06	.06	.06	.08	.05
(11)	1.20	2.00	3.00	3.50	1.40	1.25	1.25	1.10	2.00
(12)	40.00	25.00	40.00	35.00	40.00	40.00	40.00	20.00	20.00
(13)	1.50	3.00	2.00	3.25	2.50	2.00	3.00	4.00	3.00
(14)	1.00	1.50	.60	.50	1.15	1.25	2.00	1.00	1.00
(15)	1.50	1.25	1.10	1.50	1.25	1.75	1.50	2.50	1.00
(16)	12.00	10.00	8.00	9.00	9.75	11.00	10.50	11.00	12.00
(17)	.05	.04	.06	.15	.07	.10	.06	.20	.10
(18)	6.00	7.00	10.00	5.00	6.00	6.00	5.00	9.00	5.00
(19)	2.00	4.00	5.00	2.50	2.50	3.00	3.00	3.00	3.00

surfaced with bituminous treated crushed gravel or stone, all in Fresno County, invilving:

(1) 1 lot clearing and grubbing;
(2) 1500 cu. yds. rdwy. excav. unclass
(3) 1000 sta. yds. overhaul;
(4) 6000 cu. yds. selected material;
(5) 44,000 cu. yds. channel excav.;
(6) 300 cu. yds. structure excavation (piers);
(7) 1200 cu. yd. do (abutments, etc.);
(8) 155 tons fuel oil;
(9) 19,250 sq. yds. preparing, mixing and shaping roadbed;
(10) 2350 tons crushed gravel or stone
(11) 120 tons cutback asphaltic road oil;
(12) 2470 tons mixing cutback asphaltic road oil and crushed gravel or stone;
(13) 109 cu. yds. Class A Portland cement concrete (footing blocks);
(14) 463 cu. yd. do (structures);
(15) 105 cu. yd. do (slope paving);
(16) 57,900 lbs. bar reinforcing steel;
(17) 234,000 lbs. structural steel;
(18) 692 lin. ft. timber railing;
(19) 14 each spillway assemblies;
(20) 82 lin. ft. 8-in. C.M.P.;
(21) 430 lin. ft. 18-in. C.M.P.;
(22) 206 lin. ft. 24-in. C.M.P;
(23) 76 lin ft. 36-in. C.M.P.;
(24) 2500 M. gals. water;
(25) 200 each timber guide posts;
(26) 23 each culvert markers;
(27) 2.3 miles new property fence;
(28) 20 each fence gates;
(29) 65 stations finishing roadway;
(30) 22 each monuments;
(31) 1 lit miscellaneous items of work

Total bids follow:

(A) Wm C. Horn Co., Pomona, $66,-813.74.
(B) Bodenhamer Constr. Co., Oakland $69,919.
(C) C. W. Caletti, San Rafael, $73,-813.30.
(D) Fredrickson & Watson Constr. Co. and Fredrickson Bros., Oakland, $85,757.50.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$588.00	$2000.00	$2875.00	$1500.00
(2)	.34	.30	.30	.30
(3)	.01	.03	.01	.02
(4)	.39	.40	.50	.70
(5)	.30	.35	.33	.36
(6)	3.20	7.00	5.00	7.50
(7)	1.10	1.00	2.65	1.50
(8)	12.10	12.00	12.50	13.50
(9)	.059	.10	.06	.06
(10)	1.81	1.80	2.20	2.75
(11)	21.60	20.00	17.70	19.00
(12)	.33	.50	.60	.50
(13)	12.00	20.00	19.00	14.00
(14)	22.00	20.00	22.00	26.00
(15)	16.60	15.00	18.00	20.00
(16)	.046	.05	.9475	.06
(17)	.061	.05	.054	.075
(18)	.82	1.00	1.30	1.50
(19)	21.50	15.00	15.00	12.00
(20)	1.25	1.00	1.10	1.25
(21)	1.92	1.81	1.80	2.00
(22)	2.85	2.50	2.75	3.00
(23)	5.40	5.00	5.00	6.00
(24)	.50	.50	.50	1.00
(25)	2.15	2.00	1.75	2.00
(26)	2.15	2.00	1.75	2.00
(27)	500.00	500.00	500.00	500.00
(28)	20.00	20.00	17.00	18.00
(29)	5.00	5.00	4.00	8.00
(30)	3.00	2.50	3.00	3.00
				21
(31)	575.00	800.00	500.00	1500.00

CONTRACT AWARDED

HUMBOLDT COUNTY, Cal.—Hemstreet & Bell, 501 11th St., Marysville at $2,499 submitted low bid and were awarded contract by the Bureau of Public Roads, Sheldon Building, San Francisco, for widening a portion of Section A of Route 51, the Hoopa National Forest Highway, Trinity National Forest, Humboldt County.

The total bids were:

(A) Hemstreet & Bell, Marysville, $2,499.
(B) Smith Bros. Co., Eureka, $2,500.
(C) Engineer's estimate, $2,290.
Bids were taken as follows:
(1) 5,000 c.y. unclass. excavation;
(2) 2,200 c.y. mile haul;
(3) remove, relay and extend existing CMP culvert.
Unit bids follow:

	(A)	(B)	(C)
(1)	$ .385	$ .358	$ .35
(2)	.25	.30	.20
(3)	24.00	50.00	100.00

December 13, 1934

CONTRACT AWARDED

HUMBOLDT COUNTY ,Cal.—Smith Bros. Co., 1636 B St., Eureka, at $2,-440 submitted low bid and awarded contract by the Bureau of Public Roads, Sheldon Bldg., San Francisco, for widening a portion of Secton A of Route 51, the Hoopa National Forest Highway, Trinity National Forest, Humboldt County.

The total bids were:
(A) Smith Bros. Co., Eureka, $2,440.
(B) Hemstreet & Bell, Marysville. $2,485.
(C) Engineer's estimate, $2,310.
Bids were taken as follows:
(1) 5,000 c.y. unclass. excavation;
(2) 2,800 c.y. mile haul.
Unit bids follow:

	(A)	(B)	(C)
(1)	$0.32	$0.385	$0.35
(2)	.30	.20	.20

BIDS OPENED

PIERCE COUNTY, Wash. — Sam Orino, E 3104 Boone St., Spokane, at $223,729 submitted low bid to the Bureau of Public Roads, Portland, Dec. 5 for 3.117 miles grading and 0.097 mile of tunnel on the Mt. Rainier National Park, East Side Highway Project PEC-5-D, Grading and Tunnel, National Park Road Project, located within the Mt. Rainier National Park, Pierce County.

Complete bids follow:

Sam Orino, Spokane	$223,729.00
A. C. Greenwood Co., Portland	231,386.80
Colonial Const. Co., Spokane	234,208.60
Myers & Goulter, Seattle	235,428.50
J. D. Harms, Inc., Seattle	246,635.30
Elliott & Co., Seattle	247,220.10
L. Romano Engr. Corp., Seattle	279,128.50

All bids held under advisement

BIDS WANTED

JOSEPHINE COUNTY, Oregon—Until December 20, 9 A. M., bids will be received by the Oregon State Highway Engineer, Auditorium, 3rd floor, Public Service Building, Portland, for 0.94 mile pavement re-surfacing on the Evelyn Avenue-L Street Unit of Grants Pass Section of Pacific Highway, U. S. P. W. Project NRM 131-F, in Josephine County.

The work rejuires approximately 2,-950 tons of asphaltic concrete.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.

BIDS OPENED

MULTNOMAH CO., Ore.—Kern and Kibbe, 42 S. E Salmon St., Portland, at $92,504.50 submitted low bid to the Oregon State Highway Commission, Portland, December 6, for 1.41 miles of paving on the Clinton Street-Foster Road Section of 82nd Ave., Multnomah County, U.S.P.W. Proj. NRM 199-F.

Complete bids follow:

Kern & Kibbe, Portland	$92,504.50
Jacobsen-Jensen Co., Portl'd	93,890.00
Harold Blake, Portland	95,430.50
Edlefsen-Weygandt, Portland	95,928.00
Theo. Arenz, Portland	96,404.00
Parker - Schram, Portland	107,925.50

Bids held under advisement.

YAVAPAI COUNTY, ARIZ. — 4.5 Mi. Grading — (Govt.)

YAVAPAI COUNTY, Ariz.—Skousen Bros., Albuquerque, N. M., at $117,728.45 submitted low bid, as previously reported, and recommended for award of contract by the Bureau of Public Roads, 802 Title and Trust Bldg., Phoenix, Ariz., Dec. 6, for grading Section I of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai County, Arizona, 4.582 miles, involving:

(1) 26 acres clearing;
(2) 100 000 cu. yds. unclass. excav.;
(3) 7900 cu. yds. unclass. excav. for borrow;
(4) 960 cu. yds. unclass. excav. for structures;
(5) 70 cu. yds. foundation fill;
(6) 373 cu. yds. hand laid rock embankment;
(7) 34,000 sta. yds. overhaul;
(8) 3200 cu. yds. mi. borrow haul;
(9) 12 lin. ft. C. M. pipe in place;
(10) 110 lin. ft. 18-in. C. M. pipe in place;
(11) 842 lin. ft. 24-in. do;
(12) 100 lin. ft. 30-in. do;
(13) 258 lin. ft. 36-in. do;
(14) 54 lin. ft. 42-in. do;
(15) 84 lin. ft. 48-in., 12-ga., C. M. pipe in place;
(16) 44 lin. ft. 48-in. 10-ga. C. M. pipe in place;
(17) 1 each type "A" spillway inlet;
(18) 104 lin. ft. remove and stockpile existing C.M.P.;
(19) 305 cu. yds. Class "A" concrete;
(20) 100 cu. yds. Class "B" concrete;
(21) 130 cu. yds. Class "D" concrete;
(22) 54,250 lbs. reinforcing steel;
(23) 143,000 lbs. structural steel;
(24) 60 cu. yds. hand laid riprap;
(25) 15,100 lin. ft. type I protection ditch;
(26) 1 each cattle guard in place;
(27) 5500 lin. ft. remove existing fence
(28) 7240 lin. ft. fence in place;
(29) 13 each right-of-way monuments

Total bids follow:
(A) Skousen Bros., Albuquerque, N. M., $117,728.45.
(B) Daley, Vinston & Pringle, Phoenix, Ariz., $118,080.2.
(C) Hodgman & MacVicar, Pasadena, $122,210.50.
(D) H. J. Hagen, Globe, Ariz., $123,-091.50.
(E) K. De Witt, Mesa, Ariz., $123,-600.95.
(F) Lee Moor Contracting Co., El Paso, Texas, $126,522.30.
(G) Morrison - Knudsen Co., Los Angeles, $131,223.
(H) Pearson & Dickerson Contractors, Inc., Prescott, $140,330.86.
(I) Phoenix-Tempe Stone Co., Phoenix, Ariz., $144,989.50.
(J) Engineer's estimate, $127,393.50

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
(1)	$ 80.00	$ 75.00	$100.00	$ 25.00	$150.00	$ 75.00	$100.00	$112.00	$ 40.00	$ 80.00
(2)	.73	.75	.80	.82	.80	.85	.84	.97	.98	.80
(3)	.30	.25	.25	.40	.30	.175	.40	.38	.33	.35
(4)	2.00	1.50	2.00	2.50	2.00	1.50	2.00	2.25	2.65	2.00
(5)	3.00	2.50	2.50	2.00	1.00	2.50	1.50	1.28	1.30	2.00
(6)	5.00	2.50	1.75	3.00	3.00	3.50	2.50	3.85	2.00	4.50
(7)	.03	.025	.03	.01	.03	.03	.02	.03	.04	.04
(8)	.40	.25	.20	.30	.30	.37	.30	.25	.26	.25
(9)	1.50	1.16	1.00	1.00	1.00	1.25	1.00	1.08	1.20	1.25
(10)	2.00	2.00	1.75	2.00	2.00	2.10	2.00	1.93	2.00	2.25
(11)	2.75	3.00	2.75	3.00	3.00	2.95	2.80	2.82	3.35	3.50
(12)	4.00	3.70	3.50	4.00	3.80	3.60	4.00	3.58	3.75	4.25
(13)	5.50	5.60	5.50	5.50	6.10	5.40	5.00	5.68	5.90	5.50
(14)	7.00	6.40	6.50	7.00	7.10	6.30	7.00	6.54	6.85	7.00
(15)	8.50	7.40	7.25	8.00	8.10	7.60	8.50	7.64	7.45	8.50
(16)	10.00	7.70	9.00	10.00	10.00	8.60	9.50	9.39	9.85	10.00
(17)	50.00	13.50	25.00	15.00	15.00	17.50	15.00	19.27	26.00	20.00
(18)	2.00	.90	1.00	.50	.75	1.25	.75	1.28	1.35	1.00
(19)	22.00	26.00	22.00	23.00	19.00	27.00	30.00	22.00	23.50	27.50
(20)	22.00	26.00	22.00	23.00	20.00	23.00	20.00	21.00	23.50	27.50
(21)	24.00	26.00	22.00	23.00	21.00	26.50	21.00	23.00	23.50	30.00
(22)	.055	.018	.055	.05	.055	.05	.06	.05	.06	.06
(23)	.06	.066	.065	.06	.058	.063	.07	.05	.06	.055
(24)	3.00	2.50	2.00	1.50	5.00	3.00	4.00	3.85	2.00	4.50
(25)	.17	.10	.12	.05	.15	.065	.15	.06	.07	.10
(26)	700.00	575.00	600.00	750.00	700.00	700.00	350.00	600.00	750.00	700.00
(27)	.02	.03	.02	.04	.02	.02	04	.05	.05	.03
(28)	.08	.08	.10	.10	.09	.08	.10	.09	.08	.15
(29)	7.00	3.00	3.00	4.00	4.00	3.50	3.00	3.50	3.50	4.00

PLUMAS COUNTY — BRIDGE — (STATE)

PLUMAS COUNTY, Cal.—D. Rocca & Co., 15 4th St., San Rafael, at $69,-469 submitted low bid to the State Highway Commission, Sacramento, for the construction of a bridge across the North Fork of Feather River at Tobin, Plumas County, consisting of one 290 ft. through steel truss span and two 35 ft. concrete box abutments. The work involves:

(1) 450 cu. yds. structure excavation;
(2) 805 cu. yds. Class A Portland cement concrete;
(3) 59,000 lbs. bar reinforcing steel;
(4) 603,500 lbs. structural steel;
(5) 5060 lbs. cast steel;
(6) 1 lot miscellaneous items of work

Total bids follow:
(A) B. Rocca & Co., San Rafael, $69,-469.
(B) M. B. McGowan, Inc., San Francisco, $73,691.
(C) C. W. Caletti, San Rafael, $74,682.
(D) Portland Bridge Co., Portland, $83,686.50.
(E) J. H. Pomeroy & Co., San Francisco, $84,952.75.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$ 5.00	$ 2.50	$ 3.50	$ 3.00	$ 6.00
(2)	22.30	17.50	19.50	30.00	33.00
(3)	.05	.055	.04	.07	.06
(4)	.074	.087	.0875	.085	.$825
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IN THIS ISSUE

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Grade Crossing Elimination
Planned

Healy-Tibbitts Low on Bridge Approach

Building Permits, Advance Reports of Building and Engineering Projects

Unit Price Review

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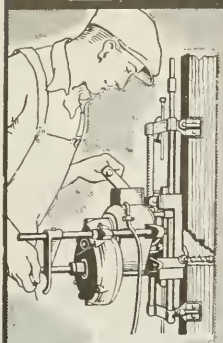
WAPPAT Electric TOOLS



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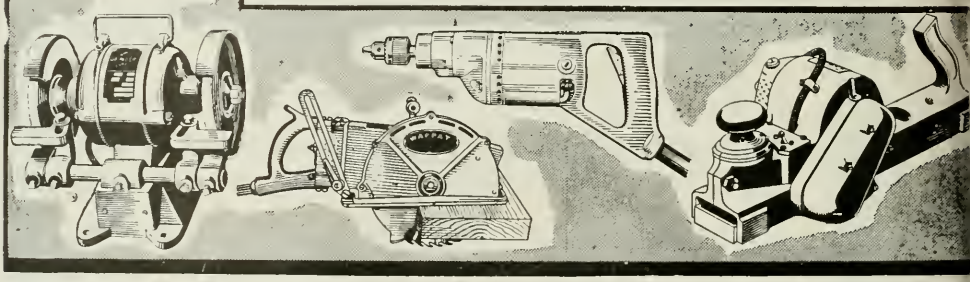

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Vol. XVII SAN FRANCISCO, CALIF., DECEMBER 22, 1934 NO. 51

Healy-Tibbitts Low on S. F.-Oakland Bay Span Approach; Submit $1,172,600 Bid

Healy-Tibbitts Construction Company of San Francisco yesterday submitted low bid on a combination of two contracts for construction of viaducts, grading and paving of streets, and all incidental works necessary to complete the San Francisco section of and approaches to the San Francisco-Oakland Bay Bridge. Amount of the low bid was $1,172,622.

This total combines bids of $695,175 on Contract No. 15, for the San Francisco section of the bridge and $477,447 on Contract No. 15-A, for the approach. Although the two contracts were figured separately award will be made on a basis of the two combined, according to bridge officials.

Division of the work into two contracts was made for financial reasons only, it was stated, one portion of the work being financed by the State Division of Highways while funds for the remainder are provided from Reconstruction Finance Corporation appropriations.

Second low bid on the work was submitted by Clinton Construction Company of San Francisco, at $1,221,267, totaling proposals of $665,327 on the San Francisco section and $555,940 on the approach. It will be noted that Clinton's bid on the first contract is lower than that of Healy-Tibbitts.

The work involves construction of the vehicular approach viaduct from Fifth and Harrison Streets to the bridge proper (extending from Fifth Street to Rincon Hill), the toll plaza at Fifth and Harrison, two ramps from the bridge to First Street, one from each deck, the grading and paving of streets and all incidental work except wiring and lighting fixtures necessary to complete the San Francisco section and approaches.

Total bids submitted on the combined contracts were as follows:

Healy - Tibbitts Const. Co., San Francisco	$1,172,622
Clinton Const. Co., S. F.	1,221,267
Transbay Const. Co., S. F.	1,319,131
C. W. Caletti & Co., M. B. McGowan, Inc., and Peninsula Paving Co., S. F.	1,418,326
Bates and Rogers Const. Co., Oakland	1,459,627
Barrett and Hilp, S. F.	1,498,044

ASK PROPOSALS ON THREE STATE ROAD PROJECTS

To Open Bids Jan. 9 and 10 On Orange, Shasta and San Bernardino Work

SACRAMENTO, Dec. 18. — The State Highway Commission called for bids today on three contracts involving construction of an overhead crossing and highway grading, paving and surfacing. The projects are located as follows:

Shasta County: Construction of an overhead crossing over tracks of the Southern Pacific Railroad at Redding. The crossing will consist of one forty-foot steel girder span and two thirty-foot steel girder spans on concrete piers, together with approximately 237 feet of timber trestle approaches. Bids will be opened in Sacramento Jan. 9.

Orange County: Grading and paving approximately five and two-tenths mile in Anaheim. The work is located on Manchester Ave. between Artesia Ave., Buena Park and Lincoln Ave. Portions of the road are to be paved with asphalt concrete and the remainder with either asphalt concrete or Portland cement concrete, alternate proposals in the bidding schedule providing for this section of the work. Bids will be opened in Los Angeles January 10.

San Bernardino County: Grading and surfacing with asphalt concrete approximately one and six-tenths miles in Ontario. The work is located between San Antonio Avenue and the east city limits. Bids are to be opened in Los Angeles January 10.

CODE CHIEFS TO VISIT S. F. FOR PARLEY

Contractors Will Be Called To Session Here January 3 With Executives

Officers in charge of administration and enforcement of the divisional code for general contractors will be in San Francisco January 3 to meet with contractors here for an "intimate discussion" of code problems, Floyd O. Booe, secretary of the California state administrative agency, was advised yesterday in a telegram from Washington.

Mr. Booe immediately commenced preparations for a gathering here of code officials and representative contractors from all sections of the state. He has wired Washington also for further information as to the itinerary of the party in order that contractor groups in the northwest cities may be represented here if the trip does not include that territory.

The message received from A. E. Horst, chairman of the General Contractors Divisional Code Authority in Washington, stated that Major Campbell, deputy NRA administrator in charge of all construction codes, and Louis W. Hickey, executive manager of the General Contractors Divisional Code Authority, had started a tour of several cities to discuss intimately with representatives and members the administration and enforcement of codes. "I believe a representative meeting will more than compensate any effort or expense on your part as they both will speak authoritatively for the government and the divisional code authority. It is an opportunity for your members and representatives to at first hand verify any questions which they may have in their minds with regard to adminsitration of codes," Mr. Horst advised.

The tour, it is assumed, is being undertaken to determine the attitude of contractors toward continuance of the code and to present NRA plans for legislation to perpetuate the industrial recovery organization, an issue which will come before Congress probably almost as soon as it convenes.

Union Paving Company Submits $201,800 Low Bid on Daly City Paving Work

SACRAMENTO, Dec. 19.—Low bid for grading and paving approximately one and seven-tenths miles of highway in San Mateo county to eliminate the Daly City bottleneck was submitted to the State Highway Commission today by Union Paving Company of San Francisco, at $201,813. The Commission also opened bids for highway work and bridge construction in Plumas and San Benito counties.

The San Mateo county contract calls for grading and paving with asphalt concrete about 1.7 miles between Huron street and San Pedro avenue in Daly City, and involves among numerous others, major items of approximately 30,500 cubic yards unclassified roadway excavation, 80,000 sta. yds. of overhaul, 9,250 tons crusher run base, 46,000 cubic yards of asphalt paint binder, 21,350 tons asphalt concrete, 4585 feet of reinforced concrete pipe, 6050 feet of vitrified clay pipe, and 1400 cubic yards of cement concrete sidewalks, curbs and gutters. Total bids submitted on the project were as follows:

Union Paving Co., S. F.	$201,813
Pacific States Const. Co., S. F.	207,528
A. G. Raisch, San Francisco	209,874
Eaton & Smith, San Francisco	213,225
Hanrahan-Wilcox Corp., S. F.	214,558
Fredrickson & Watson Const. Co., Oakland	218,388
Fay Improvement Co., S. F.	228,917
Charles L. Harney, S. F.	229,637

On a contract for grading and surfacing with crusher run base and oil treated crusher run surfacing about two and six-tenths miles in San Benito county, low bid was submitted by A. J. Raisch of San Jose, at $56,930. The work is located between Route 2 and San Juan Bautista. Total bids were as follows:

A. J. Raisch, San Jose	$56,930
Peninsula Paving Co., S. F.	61,536
Tiffany Const. Co., San Jose	62,964
Union Paving Co., S. F.	63,119
Earl W. Heple ad L. A. Brisco, Arroyo Grande	64,438
J. L. Conner, Monterey	64,636
J. E. Haddock, Pasadena	76,058
Heafey-Moore Co., Oakland	80,009
Bodenhammer Const. Co., Oakland, and Contoules Const. Co., San Francisco	82,730

Peninsula Paving Co. of San Francisco, at $63,768 submitted the low bid for construction of a bridge in Plumas county. The bridge will cross the North Fork of the Feather River at Rock Creek, and will consist of one 205-foot arch span, four 40- and one 20-foot reinforced concrete girder spans on concrete piers and abutments. The only other bid on this contract was submitted by Rocca and Company of San Rafael, whose proposal was $64,644.

STANDARD LOW ON NEWPORT DREDGING

LOS ANGELES, Cal., Dec. 17.—Standard Dredging Co., 325 Central Bldg, Los Angeles, at $879,255 submitted low bid to the U. S. Engineers today for removal of approximately 8,500,000 cubic yards of material at Newport Bay. The bid was 0.105 a cubic yard for dredging and $4 per yard for rock removal. Second low bid was submitted by Hydraulic Dredging Co., Oakland, at $0.1183 and $6 per yard, a total of $1,000,304. The engineer's estimate was $749,560.07.

Bids were opened on this project previously and rejected. The work was readvertised under revised specifications.

To Finish South Pier by Dec. 31, Engineer Says

Construction of the south pier of the Golden Gate Bridge is proceeding under full headway and, according to the weekly report of Chief Engineer Joseph B. Strauss, this most difficult and exacting portion of the project will be completed as per schedule on December 31.

At the close of the past week the entire pier had been concreted to a point nine feet below water level within the protecting walls of the fender.

More than one-third of the tower anchorage steel, which is being fabricated at the local plant of the Soule Steel company, was in place. Forms for the next lift of the pier, which will bring the concrete work three feet above water level, were being placed at the close of the week's work, together with mats of reinforcing steel and additional tower anchorage girders.

In the meanwhile the east shaft of pylon S-2 has been concreted to an elevation of 55 feet above water level and the third lift of the east weight block for the anchorage has been poured. The anchorage housing columns and a portion of the west wall of the anchorage housing has been concreted to an elevation of 26 feet above water level.

Work on the Presidio approach road structures also is going forward rapidly. The deck forms are being placed on the low viaduct at its western end near the site of the National Cemetery and reinforcing steel for the deck will be set in position this week. The west abutment of the low viaduct also has been concreted and the forms stripped off.

THREE NEVADA HIGHWAY JOBS OUT FOR BIDS

Bids Dec. 29 on Work in Douglas, Churchill and Pershing Counties

The Nevada State Highway Directors will open bids December 29 on three contracts for highway construction and improvements and construction of a bridge. The projects are located as follows:

Douglas County: Erecting a timber bridge, grading and surfacing between four miles south of Minden to the State Line, a length of approximately three and eight-tenths miles. The work involves, among others, major items of 33,300 cubic yards unclassified roadway excavation; 7482 station yards overhaul; 18,502 cubic yards select borrow; 16,070 cubic yards imported borrow; 1050 cubic yards structure excavation; 13,000 tons crushed gravel or stone surface; 197 cu. yds. concrete; 35,400 feet redwood; 3046 feet of corrugated metal pipe, and removal of a bridge and 23,430 feet of fence.

Pershing County: Construction of curbs and gutters and surfacing with crushed gravel or stone about six-tenths of a mile in Lovelock. The work involves major items of approximately 1800 cubic yards of roadway excavation; 700 cu. yds. structure excavation; 330 cu. yds. Class A concrete; removing and resetting 50 meter boxes; removing 15 trees; 1600 cubic yards crushed gravel or stone surface, and 0.62 mile subgrade and finishing roadway.

Churchill County: Reconstruction of approximately eight-tenths of a mile of existing highway, curbs and gutters, waterbound base course and retread surface in Fallon. The work involves major items of 5600 cubic yards roadway excavation; 3108 cubic yards select borrow; 14,500 square yards subgrade; 14,500 square yards waterbound base; 610 cubic yards Class A concrete; 175 tons emulsified asphalt; 1480 tons coarse aggregate, and others.

Proposals will be opened by the Nevada State Highway Directors in Carson City.

$78,500 PLEDGED IN PALO ALTO DRIVE

A total of $78,540 had been pledged to the end of last week by 197 Palo Alto property owners for modernization and repair work, according to the Palo Alto chamber of commerce, which is co-operating in promotion of the housing drive.

During the past week 25 individuals, working on a SERA project, canvassed homes in Palo Alto, Menlo Park, East Palo Alto, and the Barron Tract just south of Palo Alto

State Can Contract $15,000,000 In Crossing Structures Next Year A.G.C. Members Told

A $15,000,000 grade separation construction program can be placed under contract in the State of California during 1935 if funds are made available by Congress, G. T. McCoy, assistant state highway engineer, told the Associated General Contractors meeting in San Francisco, Saturday, at the Sixteenth Annual Convention of the Northern California Chapter.

Mr. McCoy said the state division of highways was completing a report to be forwarded to the Federal government on grade separation projects which might be contracted immediately. A preliminary survey indicated that within 60 days after funds were appropriated California could have more than $6,000,000 of this type of work contracted.

Enginering staffs of all railroads are cooperating with the state highway staff in designing structures for sites which have been selected

The contractors were advised by Floyd O. Booe, secretary-manager of the chapter, that it is apparent the Public Works Administration will sponsor an appropriation at the forthcoming session of Congress for a nation-wide program to eliminate grade crossings. An appropriation of $1,400,000,000 for this type of construction during 1935 has been mentioned but no definite amount or plan for financing has been made public. The administration is convinced, however, that grade crossing work would immediately absorb a large block of unemployed craftsmen from the building trades and it is one of the most practical means of unemployment relief during the next year.

Mr. McCoy reported to the contractors that the state highway division would have $5,000,000 to spend in constructoin during the first six months of 1935. This is the balance remaining in the Federal emergency allotment of approximately $8,000,000 for 1934-1935. All gas tax funds for new construction in the current biennium have been spent, he said, with the exception of a very small sum.

Contracting of the Federal funds has been delayed by the difficulty of obtaining right-of-way for projects planned, particularly in Southern California, Mr. McCoy explained.

For highway construction in the next biennium the state will have $42,000,000, unless gasoline tax revenues are diverted to other purposes, Mr. McCoy estimated.The gas tax revenue is estimated at $51,000,000 for the two years, of which about $18,000,000 will be allocated to maintenance, administration and other expenses. The balance of $33,000,000 will be supplemented by Federal allotments for Federal-aid roads approximating $9,000,000. The allotment of one-third of this latter sum is revoked automatically if the state diverts any portion of the gasoline tax money.

Mr. McCoy's talk was one of the features of the all-day convention held at the Palace Hotel, with R. D. Watson, chapter president, sitting as chairman. Highway and engineering contractors from Northern and Central California and Nevada were present and visitors including members from other chapters of the A.G.C. and public officials and engineers.

L. I Hewes, regional chief engineer of the U. S. Bureau of Public Roads, and C. H. Sweetser, San Francisco district engineer, discussed bureau construction projects with the contractors, possibility of changes in the contract regulations, including the substitution of the 40-hour week for the present 30-hour limit, greater liberality in selection of skilled labor and other items which are advocated by contractors on highway construction..

Resolutions of policy were adopted by the convention as follows:

(1) Urging continued Federal highway appropriations in an amount exceeding the current allotment;

(2) Recommending a 40-hour week on public works, in conformity with the policy approved in the Construction Industry Code;

(3) Urging continuance of the PWA program;

(4) Recommending a Federal program of railway grade crossing elimination;

(5) Opposing further use of convict labor on state highway construction;

(6) Urging expedition of the state highway construction program;

(7) Urging construction of the Central Valley water project.

A special resolution of sympathy and expressing hope for his early recovery was ordered sent to Charles S. Pope, veteran construction engineer of the State Division of Highways, who is seriously ill.

Before the close of the session the contractors also were scheduled to go on record affirming or opposing continuation of the General Contractors Code of Fair Competition.

Th members elected two new directors to the board and re-elected A. B. Ordway and J. G. Clifford to succeed themselves for two-year terms. The new board members are N. M. Ball and W. J. Tobin.

Review of the chapter activities showed a gain in number of regular members and associate members during the past year. Director Ordway, chairman of the finance committee, reported that the chaptr would end the year with a substantial cash balance although unforseen expenses during the year had necessitated an increase in the original budget.

VOTE JAN. 7 ON CARMEL CITY HALL

Council Orders Second Bond Election for $40,000 Municipal Building

Voters of Carmel on January 7 will ballot again on a bond proposal to secure a $42,200 PWA loan and grant for construction of a city hall.

Expressing the belief that defeat of the bond proposal early this year was due to lack of information and misunderstanding of the advantages of a municipal building, the Carmel city council last week set the date for a second election.

Cost of the building, which will be a one- and two-story "Carmel style" structure, has been estimated at approximately $40,000. Plans for the building include a section of the lower floor to be occupied by the fire department and in another portion of the building small jail facilities.

Amount of the bond issue to be approved by the voters is $31,000. The remainder of the cost will be met by a grant from the Public Works Administration of $11,200. Under PWA regulations, bonds must be approved by two-thirds of those who vote in the election.

Plans for the structure will be prepared by Architects Guy Koepp, Milton Latham, C. S. Greene and C. J. Ryland.

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CODE FAILS TO BENEFIT CONTRACTORS

A. G. C. Members Decline to Recommend Continuance Of NRA Regulation

General contractors engaged in highway and heavy engineering work have found the NRA Code of Fair Competition for their industry is of little value, according to opinions freely expressed at the annual meeting of the Northern California chapter, Associated General Contractors, held in San Francisco last Saturday.

The chapter members, however, voted to continue as sponsors of the code and withheld any formal recommendation for its revision or discontinuance.

R. D. Watson, president of the chapter, who also is chairman of the state administrative agency for the general contractors code, and Floyd E. Booe, secretary of the chapter and the code agency, pointed out that the code is a federal law and will continue in force as such until next June when the National Industrial Recovery Act expires. The contractors have no alternative but to observe the code and to pay the one-tenth of one per cent assessment on all contracts as required for administrative costs, these officials said.

Further discussion of the code will be on the chapter program after Congress has determined the future of the NRA.

Mr. Booe reported that the state administrative agency had registered $51,000,000 in contracts let since March 19 and the state of California had reported a greater total than any other state to date. It has been necessary for the local agency to appeal for a larger apportionment of funds for state activities in order to meet registration expenses. This allotment has been increased now to $4,000 a month, effective December 1, Mr. Booe said, and told the convention that this would be sufficient to extend the agency's activities to all of the principal communities. Up to the present time the administrative work has been handicapped by insufficient funds, the national code authority refusing to re-apportion to the state an amount sufficient to maintain the budget.

Munson Deuprey, formerly in charge of construction code compliance in California, for the National Recovery Administration has been retained to direct code work for the general contractors work will maintain an office jointly with the Associated General Contractors, but code administration is to be divorced from association activities as far as practicable.

Although few building contractors were represented at the meeting, spokesmen for this field said they were undecided as to the effectiveness of the code.

Attorney's Ruling Hits Enforcement Of Vocational Acts

An opinion that may have an important bearing on enforcement activities of various state bureaus in the Department of Professional and Vocational Standards was forwarded to Warren C. Perry, president of the State Board of Architectural Examiners, yesterday by Attorney-General U. S. Webb.

The attorney-general held that the board has no authority to provide legal advice for an investigator who is made defendant in a personal damage suit growing out of his enforcement activities. A. L. Bolton, special investigator for the board in Northern California, is being sued for malicious prosecution by A. F. Terra, who was charged with a violation of the architectural practice act and subsequently was acquitted. The board of examiners is not empowered to employ legal counsel for Bolton's defense, because it does not come within the authority conferred by the act constituting the board, the attorney-general declares.

His opinion states:

> The words "incur such additional expenses as may be necessary" used in Section 3 of the act above quoted refer to expense in connection with the prosecution of persons guilty of violating the provisions of that act.
>
> While the suit against Mr. Bolton arises out of such prosecution it is a personal suit against him. In the absence of a statute making provisions for the defense of such a suit and authorizing the expenditure of public funds therefor, assuming the legislature may constitutionally enact such a statute, it is my opinion that your board is without authority to expend your funds for that purpose.
>
> We are constrained to advise you that we are unaware of any statute whereby your board may legally assume responsibility for the cost of Mr. Bolton's defense or for any judgment that might be obtained against him.

In requesting the opinion Mr. Perry said:

"This whole matter is proving of great interest to other boards as well as our own. If our inspectors or investigators are to have no protection in a legal way, because they are not peace officers, then certain acts will be crippled to the point of unenforceability."

REVISE STANDARDS FOR FORGED TOOLS

The standing committee in charge of Simplified Practice Recommendation R17-31, Forged Tools, has submitted the third revision of this recommendation, and the division of simplified practice of the National Bureau of Standards has mailed copies to all interests for acceptance. The original of this recommendation was effective July 1, 1934. The first and second revisions were effective From April 1, 1927 and July 1, 1931, respectively.

D. MacDONALD AND BOHNETT LOW ON DAMS

Many Contractors Figure Santa Clara Valley Reservoir Structures

Low bids on construction of the Almaden-Calero dams and conduit and the Stevens Creek dam, comprising three principal structures of the Santa Clara Valley Water District conservation project, were submitted by F. O. Bohnett, of Campbell, and D. MacDonald of Sacramento, bidding jointly. The bid on the Almaden-Calero dams was $372,020 and on the Stevens Creek dam, $174,670.

Both bids were substantially lower than figures offered by any competing contractors and together they were $332,803 below the estimate of Chief Engineer Fred H. Tibbets for this portion of the district's construction program.

Following are the total bids received on the two contracts:

Almaden-Calero Dams and Conduit

F. O. Bohnett, Campbell and D. McDonald, Sacramento, $372,020.

Fredrickson & Watson Const. Co., Oakland, $427,884.43.

Morrison-Knudsen Co., Los Angeles, $458,609.48.

Mittry Brothers Const. Co., Los Angeles, $466,756.50.

Peninsula Paving Co., San Francisco, $466,986.50.

Bent Bros., Inc., Los Angeles, $494,402.00.

A. Teichert & Son, Inc., Sacramento, $545,641.50.

W. A. Bechtel Co., San Francisco, $547,915.00.

George Pollock Co., San Francisco, $617,635.00.

Guy F. Atkinson Co., San Francisco, $628,960.00.

Engineer's estimate, $582,643.00.

Stevens Creek Dam

F. O. Bohnett, Campbell and D. McDonald, Sacramento, $174,670.00 .

Fredrickson & Watson Const. Co., Oakland, $222,351.11.

Morrison-Knudsen Co., Los Angeles, $238,220.50.

Bent Bros., Inc., Los Angeles, $246,675.00.

Peninsula Paving Co., San Francisco, $255,457.50.

A. Teichert & Son, Inc., Sacramento, $261,012.00.

J. E. Haddock, Ltd., Pasadena, $262,261.00.

Mittry Brothers Const. Co., Los Angeles, $262,852.50.

W. A. Bechtel Co., San Francisco, $265,090.00.

Bodenhamer Const. Co., Oakland, $268,910.00.

Guy F. Atkinson Co., San Francisco, $272,860.00.

George Pollock Co., San Francisco, $281,800.00.

V. R. Dennis Const. Co., San Diego, $287,973.26.

Engineer's estimate, $296,850.00.

The dams are earth-fill type with upstream fact concrete paved. Almaden dam will have a crest length of about 500 and a maximum of 90 feet. Calero dam will be 900 feet in length at the crest with a maximum height of 93 feet. The conduit extends between the two dams a distance of about 4.5 miles.

Stevens Creek dam will be 600 feet long at the crest and have a maximum height of 100 feet.

STATE HIGHWAY AWARDS

Following are principal State Highway construction contracts (exceeding $10,000) awarded in the states of California, Arizona, Oregon, Washington, Utah, Idado in the four week period ending December 20:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Arizona Highway Commission	2.75 Miles Grading, Etc., Arizona State	Lee Moor Contr. Co., El Paso, Texas	$ 59,103.00	November 26
Idaho Highway Commission	1.951 Miles Grading, Etc., Kootenai County	Clifton & Applegate, Spokane, Wash.	$ 61,327.95	November 26
Idaho Highway Commission	6.21 Miles Grading, Etc., Bannock County	Olof Nelson, Logan Utah	$ 48,606.00	November 26
California Highway Commission	1.6 Miles Grade and Surface, Kern County	D C C Const. Co. and Robert. D. Paterson, Santa Barbara	$ 39,873.45	November 27
Nevada Highway Commission	49.78 Mi. Highway Reconstruction, Elko County	Wm. Hoops Const. Co. Twin Falls, Idaho.	$100,811.88	November 27
Nevada Highway Commission	6.16 Mi. Highway Construction, Nye County	Dodge Const., Lnc., Fallon	$ 63,630.50	November 27
Utah Highway Commission	8.361 Miles Gravel Surfacing, Sanpete County	L. A. Young, Richfield Utah	$ 46,343.98	November 27
California Highway Commission	Field and Superstructure Painting, S. F.-Oakland bay bridge	Bridge Builders, Inc. Oakland	$835,000.00	November 27
California Highway Commission	Bridge Superstructure & Abutments, Sutter County	P. F. Bender, Sacramento	$ 27,023.00	November 28
California Highway Commission	2 Miles Surfacing, Solano Co.	Henry Grimoldi, Napa	$ 8,008.00	November 28
Idaho Highway Commission	6.749 Miles Grade and Surface Custer County	Triangle Constr. Co. Boise	$ 24,207.50	December 3
Utah Highway Commission	2.224 Miles Surfacing, Salt Lake County	Gibbons and Reed Co., Salt Lake City	$100,703.02	December 4
California Highway Commission	2.3 Miles Surfacing, Sutter Co	A. Teichert & Sons Inc., Sacramento	$ 23,917.75	December 5
Washington Highway Comm.	0.1 Mile Paving, Walla Walla County	I. H. Collins, Walla Walla	$ 10,987.00	December 6
Washington Highway Comm.	2.9 Miles Grade, Surface and Pave, Spokane County	Chas. A. Power, Spokane	$ 48,961.00	December 6
Washington Highway Comm.	23.1 Miles Grade and Ballast Grant County	Frank J. Haas, Grandview, Wash.	$106 295.00	December 6
Utah Highway Commission	1.5 Miles Surfacing, Utah Co.	Lamph, Smith & Stevens, Price, Utah.	$ 57,545.67	December 10
Oregon Highway Commission	0.34 Mile Widen and Resurface Coos County	R. T. Stuart & Sons Medford, Ore.	$ 12,150.00	December 10
Oregon Highway Commission	5.58 Miles Widen and Resurface, Umatilla County	Newport Const. Co. Portland	$ 36,571.50	December 10
Oregon Highway Commission	Bridge, Polk County	Averill and Philpott Portland	$ 21,153.60	December 10
Oregon Highway Commission	0.61 Mile, Widen and Resurface Douglas County	R. T. Stuart & Sons, Medford, Ore.	$ 26,914.00	December 10
Oregon Highway Commission	0.39 Mile Grading, Douglas Co.	Haskin & Brooks Con Co. LaCenter, Wash	$ 40,364 00	December 10
Idaho Highway Commission	1.744 Miles Grade, Surface, Etc Butte County	Western Const. Co. Pocatello Idaho	$ 11,546.90	December 11
California Highway Commission	10.5 Miles Grading and Oiling Lassen and Sierra Counties	Harms Bros., Sacramento	$ 82,984.50	December 15
California Highway Commission	One Mile Grade and Pave, Tulare County	Basich Brothers, Torrance	$ 34,202.50	December 15
Idaho Highway Commission	6.834 Miles Grade, Drain, Etc., Bingham County	Triange Const. Co. Boise, Idaho	$ 47,360.00	December 17
Utah Highway Commission	0.635 Mile Concrete Paving, Sanpete County	Olof Nelson, Logan, Utah	$ 34,112.34	December 17
Utah Highway Commission	2.642 Miles Surfacing, Piute & Sevier Counties	J. W. Whiting, Springville	$ 8,058.40	December 17
California Highway Commission	Bridge and Approaches, Fresno County	Wm. C. Horn Co., Pomona	$ 66,813.74	December 18
Oregon Highway Commission	1.41 mi. Paving Multnomah County	Kern & Kibbe, Portland	$ 92,504.50	December 20
Washington Highway Com.	1.5 mi. Paving and Retopping King County	Northwest Constr. Co. Seattle	$ 53,587.00	December 20
Washington Highway Com.	1.6 mi. Paving, Pierce County	Joseph Warter, Sr., Tacoma	$ 68,607.00	December 20
Washington Highway Com.	4.4 mi. Paving, Whatcom County	Erickson Paving Co. Seattle	$129 562.00	December 20
Washington Highway Com.	2.7 mi. Surfacing, Etc., Klickitat County	United Contracting Co., Portland	$ 41,992.00	December 20
Washington Highway Com.	Grading, Surfacing and Bridge, Okanogan County	Henry Hagman, Cashmere	$ 57,954.00	December 20
Washington Highway Com.	Grading and Bridge, Clark County	O. A. Gordon, Seattle	$ 20,306.00	December 20

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending December 20, 1934:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
La Mesa, Spring Valley and Lemon Grove Irrigation Dist.	Concrete and Steel pipe lines	American Concrete & Steel Pipe Company South Gate	$ 54,717.40	November 27
Southern Pacific Co., San Francisco	Grading Right of Way, San Jose	Earl W. Heple, San Jose	$	November 30
Public Utilities Commission, San Francisco	Chlorinating Plant, Irvington	Chas. A. Bruce & Sons Pleasanton	$ 9,487.00	December 1
Department of Public Works, San Francisco	Resurfacing Market Street	S F. Bureau of Street Repair	$ 5,889.60	December 5
Department of Public Works, San Francisco	Merced Lands Sewer	MacDonald and Kahn, San Francisco	$ 51,189.15	December 5
Metropolitan Water Dist., Los Angeles	Siphons, Conduit, Etc.; Spec. 82, Riverside County	Griffith Co., Los Angeles	$1,739,846.24	December 8
San Francisco Public Utilities Commission	University Mound Pipe Line, Section A	M. J. Lynch, S. F.	$ 89,365.00	December 10
San Francisco Public Utilities Commission	University Mound Pipe Line Section B	Sibley Grading and Teaming Co., S. F.	$133,494.50	December 10
John Peters & Lawrence Borg, Salinas	Theatre	Harold C. Geyer, Monterey	$ 26,558.00	December 10
Los Angeles Board of Public Works	Harbor Blvd. Sewage Pumping Plant, San Pedro	F. F. Greenfield Co., Los Angeles	$ 12,884.00	December 15
Los Angeles Board of Public Works	Decanters, Foundations, Etc., Terminal Island	L. W. Odell, Los Angeles	$ 18,994.00	December 15

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four week period ending December 20:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Bureau of Public Roads, Portland	7.4274 Miles Grading, Umatilla and Union Counties	A. Del Guzzo, Seattle	$ 95,880.94	November 23
Bureau of Public Roads, Portland	1.2 Miles Grading and 1.375 Mi. Clearing, Jackson County	F. C. Dillard, Medford	$ 53,141.20	November 26
Bureau of Public Roads, Portland	0.488 Miles Grading, Skamania County, Washington	Coos Bay Const. Co., Portland	$ 62,058.90	November 26
Bureau of Reclamation, Almira, Washington	30 Residences, Grand Coulee Dam	McDonald & Gunmere, Coulee Dam, Wash.	$ 94,400.00	November 26
Treasury Dept., Washington, D. C.	Post Office Bldg., Santa Clara	K. E. Parker Co., San Francisco	$ 30,990.00	November 26
Bureau of Reclamation, Lovelock, Nevada	Rye Patch Dam, Pershing Co., Nevada	J. A. Terteling & Sons Boise, Idaho	$256,322.50	December 3
Bureau of Public Roads, Ogden, Utah	6.826 Miles Highway Construction, Custer County, Idaho	Orino, McHugh and Scioly, Spokane	$ 84,903.20	December 3
Bureau of Public Roads, Ogden, Utah	1.567 Miles Highway Construction, Sevier County, Utah	Gibbons and Reed Co., Salt Lake City	$ 36,189.00	December 3
U. S. Engineer Office, Seattle.	640,000 c.y. Dredging, Duwamish Waterway	Puget Sound Bridge & Dredging Co. Seattle	$ 96,000.00	December 7
U. S. Engineer Office, Kansas City, Mo.	Fort Peck Dam Spillway, Fort Peck, Montana	Massman Const. Co. Kansas City, Mo.	$7,133,005.00	December 7
War Department, Washington D. C.	Hangar No. 44, France Field. Canal Zone	Tucker E. McClure, Cristobal, C. Z.	$177,540.00	December 8
War Department, Washington, D. C.	Armament, Photo Laboratory, Etc., France Field, C. Z.	H. B. Nelson Const. Co., Atlanta, Ga.	$ 92,540.00	December 8
Treasury Dept., Washington. D. C.	Post Office, Long Beach	Theo. A. Beyer Corp., Los Angeles	$ 32,180.00	December 11
Bureau of Public Roads, Portland	Surfacing, Grant County, Ore.	Schmeer, Williams & Gentemann, Portl'd.	$ 49,728.00	December 15
Bureau of Reclamation, Fairfield, Montana	Earthwork & Structures, Ashuelot, Montana	Tomlinson-Arkwright, Great Falls, Mont.	$ 44,847.00	December 18
Construction Division, Washington, D. C.	Officers' Quarters and Dispensary, France Field, C. Z.	Greiben and Martinez, Panama City	$280,219.00	December 18
National Park Service, Washington, D. C.	Post Office, Etc., Grand Canyon National Park, Arizona	D. E. Webb Const. Co. Phoenix, Ariz.	$ 45,637.00	December 19
Bureau of Reclamation, Denver, Colorado	Office Building and Dormitories Etc., Parker Dam	Paul S. Webb, Boulder City, Nev.	$ 13,172.00	December 19

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
649	MacMarr	Malloch	1000
650	Diller	Owner	1500
651	Norton	Owner	3000
652	Caswell	.....	130,000
653	Wood	Siegrist	3975
654	Norton	Owner	3000
655	St. Francis	Coburn	90000
656	Wilson	Owner	55000
657	Costello	Isaac	10000
658	Straub	Stremme	3000
659	Ducato	Martin	1700
660	Anza	Owner	3000
661	Stoneson	Owner	3000
662	Labrucherie	Owner	7500
663	Stoneson	Owner	3000
664	Knight	McSheehy	1950
665	Wagner	Wagner	4000
666	Schoene	Mullen	1800
667	Wells	MacDonald	1000

ALTERATIONS
(649) NO. 1303 CASTRO ST. Alter store.
Owner—MacMarr Stores, Inc, 1000 Brannan St., San Francisco.
Architect—Not Given.
Contractor—J. S. Malloch, 666 Mission St., San Francisco. $1000

ALTERATIONS
(650) NO. 1177 McALLISTER ST. Alter store.
Owner—B. Diller, 1085 McAllister St., San Francisco.
Architect—Not Given. $1500

ALTERATIONS
(651) NW GEARY AND PALM AVE. Alter marquee.
Owner — Lewis Norton, Russ Bldg., San Francisco.
Engineer—Ellison & Russell, Pacific Bldg., San Francisco. $3000

FACTORY
(652) NE HAWTHORNE and Harrison Sts.; 4-story Class B factory.
Owner—George W. Caswell Co., 2nd and Harrison Streets.
Architects—Masten, Hurd & Roth, 233 Post Street.
Engineer—Walter Huber, 1 Montgomery Street.
Contractor—Segregated Contracts.
Concrete and Steel—Cahill Bros. $130,000

ADDITION
(653) N BRYANT 75 W 3rd Street; one-story Class C addition to sales room.
Owner—H. C. Wood, 520 Bryant St.
Engineer—Norman B. Green, Sharon Building.
Contractor—F. R. Siegrist, 604 Mission Street. $3975

ALTERATIONS
(654) NW GEARY and Palm; alter market.
Owner—Lewis Norton, Russ Building
Engineer—Ellison and Russell, Pacific Building. $3000

REPAIRS
(655) SW POST and Powell; repair fire damage to hotel ballroom.
Owner—St. Francis Hotel Co., Powell and Post Streets.
Architect—Not Given.
Contractor—Ira W. Coburn, 2048 Market Street. $90,000

ALTERATIONS
(656) SW TAYLOR and Turk Sts.; alter hotel.
Owner—A. W. Wilson, 1925 Gough St.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg. $55,000

FLAT S
(657) S BEACH ST. 125 W Buchanan St. Two-story and basement frame flats.
Owner—Eugenia Costello, % Contractor.
Architect—S. A. Colton, 544 Market St., San Francisco.
Contractor—H. H. Isaac, 517 Belvedere St., San Francisco. $10,000

DWELLING
(658) SW BOSWORTH AND DIAmond Sts. One-story and basement frame dwelling.
Owner—Mrs. C. Straub, 601 Bosworth St., San Francisco.
Architect—Not Given.
Contractor—H. F. Stremme, 115 Surrey St. San Francisco. $3000

ALTERATIONS
(659) NO. 1076 FRANCISCO STREET Alter apartments.
Owner—L. Ducato, Prem.
Architect—George E. McCrea, Hearst Bldg., San Francisco.
Contractor—William Martin, 666 Mission St., San Francisco. $1700

DWELLING
(660) W FIFTH AVE., 75 N Kirkham St. One-story and basement frame dwelling.
Owner — Anza Home Bldg. Co., 1598 36th Ave., San Francisco.
Architect—Not Given. $3000

DWELLING
(661) N VICENTE ST. 100 W 26th Ave. One-story frame dwelling.
Owner—Stoneson Bros., 1630 Ocean Ave., San Francisco.
Architect—Charles F. Strothoff, 2274 15th St., S. F. $3000

DAIRY
(662) NW RICKARD ST. AND SAN Bruno Ave. One-story Class C dairy.
Owner — P. Labrucherie, 766 Silver Ave., San Francisco.
Architect—Robert A. Hansen. $7500

DWELLING
(663) N VICENTE ST. 125 W 26th Ave. One-story frame dwelling.
Owner—Stoneson Bros., 1630 Ocean Ave., San Francisco.
Architect—Charles F. Strothoff, 2274 15th St., S. F. $3000

REPAIRS
(664) NO. 172 GOLDEN GATE AVE. Repair fire damage to cafe.
Owner—T. G. and C. H. Knight, 160 Shrader St., San Francisco.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace, S. F. $1950

ALTERATIONS
(665) NO. 620 FOLSOM ST. Alter warehouse.
Owner — George Wagner, 181 South Park, San Francisco.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco. $4000

ALTERATIONS
(666) SE FOURTH AND STEVENson Sts. Alter restaurant.
Owner—Schoene & Tiedemann, 33 4th St., San Francisco.
Architect—Not Given.
Contractor — Mullen Mfg. Co., 60 Rausch St., S. F. $1800

ALTERATIONS
(667) NE MONTGOMERY AND Market Sts. Alter bank.
Owner—Wells Fargo Union Trust Co., Premises.
Architect—Not Given.
Contractor—MacDonald & Kahn Co., Ltd., Financial Center Bldg., San Francisco. $1000

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
487	Jorgenson	Larsen	2960
488	Reeves	Coburn	1400
489	Miller	Valente	7000
490	Chevrolet	Catucci	1500
491	Powell	Rose	5500
492	Jewett	Owner	4500
493	Oppenheimer	Kelly	13200
494	Radinsky	Youel	1000
495	City of Oakland	Port	4000
496	Western	Abrott	7000
497	Buel	Crocker	3350
498	Anderson	Owner	3600

ALTERATIONS
(487) NO. 584 THIRD ST., **OAKLAND.** Alterations.
Owner—E. M. Jorgenson Co., Prem.
Architect—Not Given.
Contractor — Larsen & Larsen, 629 Bryant St., S. F. $2960

REPAIRS
(488) NO. 923 SIXTIETH STREET, **OAKLAND.** Fire repairs.
Owner—Mr. Reeves, 923 60th Street, Oakland.
Architect—Not Given.
Contractor — Ira W. Coburn, 2048 Market St., San Francisco. $1400

DWELLING
(489) NO. 5701-03 TELEGRAPH AV., **OAKLAND.** Two-story dwelling and store.
Owner—A. J. Miller.
Architect—Guy L. Brown, 601 American Bldg., Oakland.
Contractor — M. E. Valente, 511 Clarke St., Oakland. $7000

ALTERATIONS
(490) NO. 6901 FOOTHILL BLVD., **OAKLAND.** Alterations.
Owner—Chevrolet Motor Co., Prem.
Architect—Not Given.
Contractor — J. Catucci, 1212 18th Ave., Oakland. $1500

ALTERATIONS
(491) 1906-16 PARK BLVD., **OAKLAND;** alteration and additions.
Owner—B. E. Powell, 1908 Park Blvd., Oakland.
Architect—Not Given.
Contractor—M. P. Rose, 6329 Shattuck Ave., Oakland. $5500

DWELLING
(492) 921 SHATTUCK AVE., **BERKELEY;** two-story 8-room frame dwelling.
Owner and Builder—Frank W. Jewett, 922 Shattuck Ave., Berkeley.
Architect—Not Given. $4500

STORES
(493) NO. 820-24-28 HARRISON ST., **OAKLAND.** Two-story concrete stores and loft building.
Owner—A. C. Oppenheimer, Alameda.
Architect—Kent & Hass, Underwood Bldg., San Francisco.
Contractor—Kelly & Tullock, 335 8th St., Oakland. $13,200

ALTERATIONS
(494) NO. 486 MANDANA BLVD., **OAKLAND.** Alterations.
Owner—N. Radinsky, Prem.

Architect—Not Given.
Contractor—Cliff L. Youel, 3724 Pacific Ave., Sacramento. $1000

ALTERATIONS
(495) SW FOURTEENTH AND B Sts., OAKLAND. Alterations.
Owner—City of Oakland.
Architect—Not Given.
Contractor—Port of Oakland, Grove St., Pier. $4000

FACTORY
(496) NO. 1196 THIRTY-SECOND St., OAKLAND. One-story factory.
Owner—Western Scenic Studio, 1196 32nd St., Oakland.
Architect—Not Given.
Contractor—L. A. Abrott, 4429 Park Blvd., Oakland. $7000

DWELLING
(497) NO. 31 WILDING LANE, OAKLAND. Two-story five-room dwelling.
Owner—Viola Buel, Premises.
Architect—Not Given.
Contractor — H. L. Crocker Jr., 30 Wilding Lane, Oakland. $3350

DWELLING
(498) NO. 1100 EL CENTRO AVE., OAKLAND. One-story six-room dwelling.
Owner — Chas. Anderson, 3917 Park Blvd., Oakland.
Architect—Not Given. $3600

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

112 Pabst Blaiotta 420

FOUNDATION
(112) W THIRD 75 S Mariposa S 50 x W 100; concrete foundation only for 2-story frame building.
Owner—Laura Pabst.
Architect—Not Given.
Contractor—B. F. Blaiotta, 708 Edinburgh Street.
Filed Dec. 15, '34. Dated Dec. 11, '34.
When half foundation is completed 33⅓%
When finished and accepted 33⅓%
Usual 35 days 33⅓%
TOTAL COST, $420.00

SAN FRANCISCO UNDER $1000

ALTER dwelling, $450; 6 Presidio Terrace; owner, Annabel Lee, 225 Montgomery St.; contractor, Geo. Wagner, 181 South Park.
ALTER dwelling, $150; 236 San Jose Ave.; owner, Mrs. P. Russell, 236 San Jose Ave.
ALTER dwelling, $110; 347 Monterey Blvd.; owner, Frederick M. Columb, Premises.
ALTER salesrooms, $480; 1380 Bush St.; owner, Mrs. H. L. E. Meyer, 2650 Green St.; contractor, Phoenix Simpton Co., 520 6th St.
SIGN, cloth, $40; 45 Kearny St.; owner, The Hub, Premises; contractor, L. Goldberg, 1085 Golden Gate Ave.
SIGN, electric, $275; 2424 Army St.; owner, Marty's Cake Shop, Prem. contractor, Laib, 7th and Folsom
ALTER dwelling, $100; 22 Wilder St.; owntr. John Osuna, 22 Wilder St.
ALTER dwelling, $12; 249 Peru St.; owner, D. M. Wilson, 14 Putnan.
ALTER flats, $15; 4131-B 19th Street; owner, F. Bellmer, Prem.
SIGN, cloth, $41; 1435 Market St.; owner, Symon Brothers, 1435 Market St.; contractor, Swan - The - Painter, 1117 Howard St.
SIGN, electric, $175; 64 Golden Gate Ave.; owner, Evan's Auto Rental Co., 64 Golden Gate Ave.; contractor, American Elec. Sign Co., 1740 Eddy St.
ALTER restaurant, $250; 360 Bush St.; owner, J. Burke, 645 Russ Bldg.
SIGN on roof, $300; NE Third and 18th Sts.; owner, Gilmore Oil Co., Premisea.
SIGN, electric, $75; San Bruno, Bayshore and Alemany Blvd.; owner, Standard Station No. 31, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
SIGN, electric, $75; SE Montgomery & Sutter Sts.; owner, Boquet Cohn Cigar Co., Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Avenue.
REPAIR fire damage to flats, $350; 929 Eddy St.; owner, Frank Fegel, 927 Eddy St.; contractor, W. J. Mooney, 68 Belcher St.
RETAINING wall, $75; 870 Kansas St.; owner, J. Banovitch, Prem.; contractor, D. Cappelletti, 669 Hampshire St.
ALTER dwelling, $750; 1106 Powell; owner, Mrs. Toy Lee Ho, Prem.; architect, G. A. Berger, 309 Valencia St.; contractor, K. C. Gardner, 335 Raymond St.
SIGN, electric, $300; 342 Mason St.; owner, Hotel Charles, Premises; contractor, Golden Gate Neon, 355 Eighth St.
ALTER restaurant, $300; 900 Market St.; owner, Market-Powell Corp., Prem.; contractor, Royal Showcase Co., 770 McAllister St.
SIGN, electric, $350; 3597 Mission St.; owner, F. J. Dunn Roofing Co., Premises; contractor, Golden Gate Neon, 355 8th St.
SIGN, electric, $75; Bayshore and Alemany St.; owner, Standard Station No. 31, Prem.; contractor, Elec. Prod. Corp., 255 Golden Gate
SIGN, electric, $75; 532 Grant Ave.; owner, Shanghai Low, Premises; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.
ALTER store, $350; 501 29th St.; owner, Pete Perry, 481 29th St.
ALTER dwelling, $450; 1214 York St.; owner, H. A. Bernsten, 1214 York St.; contractor, El Rey Bldg. and Cabinet Co., 430 Holloway St.
SIGN, electric, $100; 2920 Mission St.; owner, W. D. Malkason Motor Co. Premises; contractor, Neon Sign Service Co., 1707 Folsom St.
SIGN, electric, $100; 2208 Fillmore St. owner, The B. & B. Liquor Store, 2208 Fillmore St.; contractor, Neon Sign Service Co., 1707 Folsom St.
ALTER dwelling, $400; 989 Van Ness Ave. South; owner, James P. Cronin, 964 Van Ness Ave. South;
ALTER store, $500; NE Sutter and Mason Sts.; owner, Leopold Hirsch, 176 Sutter St.; contractor, L. & E. Emanuel, Inc., 2665 Jones
SIGN, electric, $100; 2300 Polk St.; owner, Alhambra Drug Co., 2300 Polk St.; contractor, Neon Sign Service Co., 1707 Folsom St.
ALTER dwelling, $477; 1891 19th Ave. owner, Annie Nora Brown; Prem.
ALTER dwelling, $170; 33 Cayuga; owner, O. Camilie, Prem.
ALTER dwelling, $100; 126 20th Ave.; owner, Anna S. Gamble, 2030 Fell
ALTER fire walls, $150; 552 Grant Ave.; owner, Mrs. M. Maisican, 781 Green St.; contractor, Patterson & oster Iron Works, 280 13th Street.
SIGN, electric, $150; 19 Maiden Lane; owner, Fred Solari, 19 Maiden Lane; contractor, Novelty Elec. Sign Co., 66 Washburn.
SIGN, electric, $75; 87 3rd St.; owner, St. James Hotel, 87 3rd St.; contractor, Elec. Prod. Corp., 255 Golden Gate Ave.

ALAMEDA COUNTY UNDER $1000

REPAIRS, $75; 401 Monte Vista Ave., Oakland; owner, Central Bank of Oakland, 819 Central Bank Bldg.
ROOF repairs, $200; 42 and 44 Glen Ave., Oakland; owner, J. A. Swenson, 54 Glen Ave.
REPAIR roof, $13; 2039 Hopkins St., Oakland; owner, M. P. Brasch, Premises; contractor, Elliott & Elliott, 1423 66th Ave.
ALTERATIONS, $200; 565 31st St., Oakland; owner, C. B. Deuble, San Francisco; contractor, C. Tollefsen, 3311 E-17th St.
ROOF repairs, $150; 89 41st St., Oakland; owner, J. A. Swenson, 54 Glen Ave.
ROOF repairs, $150; SW 17th St. and Broadway, Oakland; owner, M. Bercovich; contractor, Crown Roofing Co., 2609 E-14th St.
RE-ROOF, $135; 2340 Havenscourt Blvd., Oakland; owner, Martha E. Holmes, Premises; contractor, Elliott & Elliott, 1423 66th Ave.
CHIMNEY, patent, $35; 5916 E-14th St., Oakland; owner, Mr. Erksine, Premises; contractor, J. F. Kurtz 1840 39th Ave.
FIRE repairs, $480; 3769 Magee Ave., land; owner, Calvin Phillips & Co., 407 15th St.
FIRE repairts, $480; 3769 Magee Ave., Oakland; owner, Asa Farrell, 3832 Quigley St.; contractor, A. T. Beckett, 224 Scenic Ave., Piedmont.
SIGN, metal, $10; 3071 E-14th Street, Oakland; owner, Glenview Creamery, Premises.
BILLBOARD, $10; 3912 Telegraph Ave., Oakland; owner, Key Route Cleaners, Prem.; contractor, C. Davis Signs, 3895 San Pablo Ave., Emeryville.
REPAIR roof, $10; 1141 73rd Ave., Oakland; owner, Mr. Miller, Prem
SIGN, metal, $5; 3832 E-14th St., Oakland; owner, M. C. Lopez, Premises; contractor, Tobey Sign Co., 1910 E-14th St.
SIGN, metal, $65; 5341 College Ave.; owner, Seaside Oil Co., 700 Ashby Ave., Berkeley.
ALTERATIONS, $74; 1437 Berkeley Way, Berkeley; owner, R. H. Thomas, Prem.; contractor, Mastercraft Roofing Co., Richmond.
ALTERATIONS, $100; 1810 Euclid Ave., Berkeley; owner, F. M. Williamson, 1630 Chico St.
GARAGE, one-story, $240; owner, Mrs. M. Delas, Prem.
RE-ROOF, $140; 515 Haddon Road, Oakland; owner, John Tarbet, Hotel Claremont; contractor, A. K. Goodmundson, 45th Ave. and Clement St.
ALTERATIONS, $250 each; 2207-2211 42nd AAve., Oakland; owner, Myrtle Craig, Premises; contractor, Fonseca & Perry, 1620 46th Ave.
ALTERATIONS and one-story garage, $400; 1218 97th Ave., Oakland; owner, Geo. Schultz, Prem.
ALTERATIONS, $50; 2637 Coolidge Ave., Oakland; owner, A. B. Ross 2945 Brookdale Ave.
SIGN, metal, $8; 1731 Broadway, Oakland; owner, Swagger Shop, Prem. contractor, Hickish Sign Co., 1727 E-12th St.
SIGN, electric, $70; 1713 San Pablo Ave., Oakland; owner, C. Foulds, Prem; contractor, Radiant Neon Display, 2561 San Pablo Ave.
SIGN, electric, $654; 4156 Piedmont Ave., Oakland; owner, Coleman & Musolino, Prem.; contractor, Radiant Neon Display, 2561 San Pablo Ave.
RE-ROOF, $232; 2036-47th Ave., Oakland; owner, W. J. Kappler, 2036 47th Ave.; contractor, A. K. Goodmundson, 45th Ave. and Clement.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Bonds
3.—Churches
4—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and Offices
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

1— APARTMENTS

December 13, 1934

BONDS FOR SALE
GILROY, Cal.—Rucker School District will sell bonds on December 24 in the amount of $8000. Proceeds from which will finance construction of a one-story frame and stucco school building in Gilroy. Plans prepared by Architect Edward S. Kress, 121 Magellan Ave., San Jose.
2

To Be Done By Day's Work.
APARTMENTS Cost, $6000
SAN JOSE Santa Clara Co., Calif. 612 E. San Salvador Street.
One-story frame and stucco apartments.
Owner—W. H. Lee, 50 N-First St., San Jose.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO. No. 1076 Francisco Street.
Alterations to apartments.
Owner—L. Ducato, Premises.
Architect—George E. McCrea, Hearst Bldg., San Francisco.
Contractor—William Martin, 666 Mission St., San Francisco.

2— BONDS

BONDS FOR SALE
WADSWORTH Washoe Co., Nev.—Wadsworth School District No. 11 will sell bonds in the amount of $17,000 on January 7, 2 P. M. Proceeds to finance construction of an addition to existing high school building and adding a heating system to the Wadsworth School.

BONDS FOR SALE
LOS ANGELES, Cal.—Until Jan. 7, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the sale of $375,000 issue of 5% Pasadena High School bonds.

3— CHURCHES

Bids Wanted—To Close Dec. 28, 2 P.M.
CHURCH Cost, $10,000
EAST OAKLAND, Alameda Co., Calif.
One - story wood frame church bldg. (rustic exterior) seating capacity of 300; asbestos shingle roof.
Owner—Havenscourt Tabernacle.
Architect—Geo. P. Simonds, 192 Main Street, Hayward.
Following have procured plans:
E. T. Leiter & Son, 811 37th Street, Oakland.
B. A. Howkins, 1181 Mission Street, Oakland.
John E. Branagh, 116 Monticello St. Oakland
Webb & Whalen, 2930 22nd Avenue, Oakland.
A. Holyoake, 2839 East Ave., Hayward
H. S. Shain, 54 Arlette Ave., Hayward.
Albert Haskell, 255 Ridgeway Ave., Oakland.

4— FACTORIES & WAREHOUSES

Contract Awarded.
ALTERATIONS Cost $2960
OAKLAND, Alameda Co., Cal. No. 534 Third Street.
Alterations to building.
Owner—E. M. Jorgenson Co., Prem.
Architect—Not Given.
Contractor — Larsen & Larsen, 629 Bryant St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $1500
OAKLAND, Alameda Co., Cal. No. 6901 Foothill Blvd.
Alterations to factory.
Owner — Chevrolet Motor Co., 6991 Foothill Blvd., Oakland.
Plans by Engineering Dept. of Owner
Contractor—J. Catucci, 1212 18th Ave. Oakland.

To Be Done By Day's Work.
ALTERATIONS Cost, $3000
SAN JOSE, Santa Clara Co., Cal. W. San Carlos Street.
Alterations to cannery (concrete floors etc.)
Owner—California Packing Corp., 101 California St., San Francisco.
Engineer—Phillip Bush, 101 California St., San Francisco.
Work will be done by owner's own forces.

Contract Awarded.
ADDITION Cost, $3000
SAN JOSE, Santa Claa Co., Calif No. 48 Race Street.
Addition to bakery.
Owner—Hamlin & Mauchle, 303 S 14th St., San Jose.
Architect—Not Given.
Contractor—H. A. Bridges, 1398 Lincoln Ave., San Jose.

Bids Wanted—To Close December 28, 4 P. M.
WAREHOUSES Cost, $80,000
STOCKTON, San Joaquin Co., Calif Stockton Harbor.
Three 1-story brick warehouses (100 by 160 feet each) (to be known as warehouses E, J and K),composition roof, concrete floors).
Owner—City of Stockton (Port Dist.), City Hall, Stockton.
Plans by Engineering Dept. of Stockton Port District.
A grant of $29,000 has been made by the PWA to aid financing project.
Plans and specifications may be obtained from the Secretary of the Port District upon deposit of $20.

Planned.
PLANT Cost, $350,000
VANCOUVER, B. C. Port of Vancouver Property.
Construct new malt plant.
Owner—Great Western Malting Co.
Plans by Galland-Benning Co., Milwaukee, Wisconsin.
Bids will be asked from local contractors.
Interested parties include J. K. Bowles, Portland; Philip Polsky, Vancouver; Peter Schmidt, Olympia and Emil Sick, Seattle.

PLANNED
LOS ANGELES, Cal.—Wehle Brewing Co., New Haven, Conn., contemplates erecting a 150,000-barrel capacity brewery in Los Angeles, and a brewery of similar size in San Diego or San Francisco, according to an announcement made by Maurice M. Cohan, vice-president of the company.

Sub-Contracts Awarded.
SHOP, ETC. Cont. Price, $20,293
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
One-story galvanized iron machine shop (30x80 ft.) and graveling open storage areas.
Owner—City of Stockton (Port Dist.) T. C. Louttitt, Asst. Secretary, City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Plumbing — Miller-Hays Co., 742 E. Weber St., Stockton.
Electric Wiring—C. J. Franke, 748 E. Weber St., Stockton.
Sheet Metal—Miller Hays Co., 742 E. Weber St., Stockton.
Glass — W. P. Fuller & Co., 218 S. Aurora St., Stockton.
Lumber — Wendling-Nathan Co., 110 Market St., San Francisco.
Hardware—Austin Bros., 544 E. Main St., Stockton.
Painting—J. F. Garrow, 51 E-Noble St., Stockton.
Grading — Willard & Biasotti, 40 W. Clay St., Stockton.
Foundations—J. A. Silver, Stockton.

Sub-Contracts Awarded.
GEAR SHEDS Cont. Price, $7450
STOCKTON, San Joaquin Co., Calif. Deep Draft Harbor.
Two galvanized iron gear sheds (30x76 feet).
Owner—City of Stockton (Port Dist.) Thos. C. Louttitt, Asst. Secretary, City Hall, Stockton.
Plans by Engineering Dept. of Owner.
Contractor—O. H. Chain, 41 S. Sutter St., Stockton.
Plumbing and Sheet Metal Work—Miller Hays Co., 142 E. Weber Ave., Stockton.
Electric Wiring and Fixtures—C. J. Franke, 748 E. Weber St., Stockton.
Glass—W. P. Fuller & Co., 218 S. Aurora St., Stockton.
Lumber — Wendling Nathan Co., 110 Market St., San Francisco.
Hardware—Austin Bros., 544 E. Main St., Stockton.
Painting—J. Garrow, 51 E. Noble St., Stockton.
Grading—Willard & Biasotti, 40 W. Clay St., Stockton.
Foundations—J. A. Silver, Stockton.

General Contract Awarded.
FACTORY AND OFFICES Cont. Price, $87,473
SAN FRANCISCO. NE Harrison and Hawthorne Streets.
Four-story reinf. concrete factory and office building (composition roof, reinforcing steel, plumbing, heating, etc.)
Owner—Geo. Caswell, 442 Second St., San Francisco.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.

The following sub-contracts awarded by Cahill Bros.:
Grading—L. Devincenzl, 148 Blake St.
Lumber—Loop Lumber Co., Central Basin.
Mill Work — Brannan Street Planing Mill, 560 Brannan St.
Other awards will be made shortly.
Complete bids published Dec. 6.

Plans Completed.
DAIRY Cost, $7500
SAN FRANCISCO. NW Kickard St. and San Bruno Ave.
One-story Class C dairy.
Owner — P. Labrucherie, 766 Silver Ave., San Francisco.
Plans by Robert A. Hansen, % Owner

To Be Done By Day's Work.
ALTERATIONS Cost, $4000
SAN FRANCISCO. 620 Folsom Street.
Alterations to warehouse.
Owner and Builder—George Wagner, 181 South Park.
Architect—Not Given.

Contract Awarded.
FACTORY Cost, $7000
OAKLAND, Alameda Co., Calif. 1196 32nd Avenue.
One-story factory.
Owner—Western Scenic Studio, 1196 32nd St., Oakland.
Architect—Not Given.
Contractor—L. A. Abrott, 4429 Park Blvd., Oakland.

5— FLATS

Contract Awarded.
FLATS Cost, $10,000
SAN FRANCISCO. S Beach St. 125 W Buchanan St.
Two-story and basement frame and stucco flats.
Owner—Eugenia Costello, % Contractor.
Architect—S. A. Colton, 544 Market St., San Francisco.
Contractor—H. H. Isaac, 517 Belvedere St., San Francisco.

6—GARAGES & SERVICE STATIONS

Plans Being Figured.
SERVICE STATION Cost, $10,000
MARYSVILLE, Yuba Co., Cal. NE Fifth and E Streets.
Steel service station.
Owner—Shell Oil Co., Shell Bldg., San Francisco.
Plans by Engineering Dept. of Owner

Contract Awarded.
SERVICE STATION Cost, $5000
BURLINGAME, San Mateo Co., Cal. Adeline St. and El Camino.
Steel service station.
Owner—Standard Oil Company.
Plans by Engineering Dept. of Owner.
Contractor — Lengfeld & Olund, 220 Third Ave., San Mateo.

December 19, 1934

Contract Awarded.
GARAGES Cont. Price, $3624
SAN FRANCISCO. Fort Miley.
One 11 unit garage (112.7" long) with alternate for additional three units (total length of 143.1-in.) including road work and pavement, (reinforced concrete construction, up-swing doors, tar and gravel roof, 4-in. tile partitions).
Owner—United States Government.
Plans by Veterans Administration Facility, Palo Alto.
Contractor—W. C. Akard, 225 Cervantes Blvd., San Francisco.
Complete bids published Dec. 3.

Planned.
SERVICE STATION Cost, $——
GILROY, Santa Clara Co., Cal. Monterey and Fourth Streets.
Service station.
Owner — Associated Oil Co., 79 New Montgomery St., San Francisco.
Plans by Engineering Dept. of Owner.

Bids In—Held Under Advisement.
SERVICE STATION Cost, $7000
SACRAMENTO, Sacramento Co., Cal. Sixteenth and E Streets.
Steel service station.
Owner — General Petroleum Co., 519 19th St., Oakland.
Plans by Engineering Dept. of Owner.

7— FEDERAL BUILDINGS

BIDS WANTED
SAN DIEGO, Cal.—Until December 27, 11 A. M., bids will be received by Eleventh Naval District at San Diego for the floor and wainscot and asphalt floor tile in storage facilities building at the Naval Operating Base (Supply Depot Annex), San Diego; Specification 7367. Bidding data may be obtained from the district upon deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and Docks.

BID OPENING DATE POSTPONED
SAN FRANCISCO—Until December 21, 11 A. M. (date postponed from December 19), bids will be received by the District Public Works Officer, 12th Naval District, 100 Harrison Street, for repairs to Quarters No. 1 at the U. S. Receiving Station, Yerba Buena Island.
Plans and specifications may be obtained from above office upon deposit of $5.

BIDS OPENED
OGDEN, Utah—Commercial Painting Service, Chicago, Ill., at $3300 submitted low bid to Treasury Department, Washington, D. C., for painting plaster, etc., in the U. S. Post Office, Ogden, Utah. Complete bids follow:

Commercial Painting Service, Chicago, Ill.	$3300
Patterson Bros., Oakland	3840
Guiry Bros. Wallpaper Co., Denver, Colorado	3987
Charlesworth & Co., Ogden	5400

Contract Awarded.
POST OFFICE Cont. Price, $39,590
REDWOOD CITY, San Mateo Co., Cal.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor — K. E. Parker Co., 135 South Park, San Francisco.

Contract Awarded
POST OFFICE Cont. Price, $35,800
SANTA PAULA, Ventura Co., Cal.
United States Post Office.
Owner—United States Government.
Plana by Supervising Architect, Treasury Dept., Washington, D. C.
Contractor — W. L. Snook, 210 La Arcade Bldg., Santa Barbara.

COMPLETE BIDS.
RENO, Nev.—As previously reported, Wade H. Wine, 1921 Plumas St., Reno, at $21,750 submitted low bid to Treasury Department for the construction of ballustrades and retaining wall at the U. S. post office at Reno.
Complete bids follow:

Wade H. Wine, Reno	$21,752
Theo. Johanns, San Francisco	21,800
Christen & Jameson, Reno	24,835
Nevada Rock & Sand Co., Reno	25,625
Egittio Delli, Reno	28,994

BIDS WANTED
PULLMAN, Wash.—Until Jan. 9, 10 A. M., bids will be received by the Treasury Department, Procurement Division, Washington, D. C., for painting the plaster, etc., in the U. S. post office at Pullman. Specifications may be obtained from the above office and from the Custodian of the Building at Pullman.

BIDS WANTED
MARE ISLAND, Cal.—Until Jan. 9, 11 A. M., bids will be received by the Public Works Officer, U. S. Navy Yard, Mare Island, for remodeling two existing electric freight elevators, one located in Building No. 53 and one in the south end of Building No. 71 at the U. S. Navy Yard at Mare Island. Spec. No. 7869.
Plans and specifications may be obtained from the above office and from the Bureau of Yards and Docks, at Washington, D. C., upon deposit of $5.00.

Bids Wanted—To Close Jan. 16, 10 A. M.
DORMITORY Cost, $——
ALMIRA, Wash. (22 miles northwest of Almira).
One and one-half-story L-shaped dormitory building (35x112 feet) wing 35x35 ft.; concrete foundations, wood frame walls, sheathing and siding exterior, metal lath and plaster exterior, wood shingle roof, etc.
Owner—United States Government.
Plans by Engineering Dept. of the Bureau of Reclamation, Almira.
Plans and specifications may be obtained from above office and from the office of the Bureau of Reclamation at Washington, D. C., Denver, Colo. and Almira, Wash. Spec. No. 608.

Complete Bids.
POST OFFICE Cost, $——
NEWBERG, Oregon.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Low Bidder—Hoffman Const. Co., 715 Columbia St., Portland.
Complete bids follow:

Hoffman Const. Co., Portland Oregon	(1)	$36,870
	(2)	36,600
Deduct $20.00.		
Ward & Milbrandt, Portl'd	(1)	$40,222
	(2)	39,872
Add $40.00.		
Wm. MacDonad Const. Co., St. Louis	(1)	$41,717
	(2)	41,573
Deduct $300.		

Bids held under advisement.

Complete Bid Listing.
POST OFFICE Cost, $51,700
CLAREMONT, Los Angeles Co., Calif.
Construct United States Post Office.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.
Low Bidder—Robt. E. McKee, 108 W. Sixth St., Los Angeles.
Complete bids follow:
(1) deduct.

Robt. E. McKee, Los Angeles		$33,530
	(1)	100
T. A. Beyer Corp., L. A.		$35,746
	(1)	245
L. F. Dow Co., S. F.		$36,500
	(1)	150
John Strona, Pomona		$38,115
	(1)	50
Schuler & McDonald, Oakland		$39,473
	(1)	350

Bids held under advisement.

TO ASK SITE BIDS
SANTA BARBARA, Cal.—Treasury Department will advertise for bids within a few days for a site for the proposed new Post Office building to be erected in Santa Barbara. The building will cover a ground area of at least 20,000 square feet and will cost, including the site and equipment, approximately $445,000 The

riginal plan, to enlarge the existing ost Office building, has been abanoned.

IDS WANTED
WILLOWS, Glenn Co., Cal.—Bids re being received by the Custodian, . S. Post Office, Willows, for reairs and painting at the Post Office t Willows.

CONTRACT AWARDED
LOS ANGELES, Cal.—Geo. Fensky, 61 Tehama St., San Francisco, at 785 awarded contract by Post Office Department for furnishing furniture and screenline equipment for the Los Angeles Finance Station, Los Angeles.

CONTRACT AWARDED
HONOLULU, T. H. — Bureau of Yards and Docks, awarded contract to the Honolulu Paper Company, at $9489 for partitions for the General Facilities Bldg., Honolulu. Spec. No. 7837.

CONTRACT AWARDED
FRANCE FIELD, C. Z.—Greiben & Martinez, Panama City, awarded contract by Army Department, Construction Division, at $280,219, for the construction of non-commissioned officers' quarters and a dispensary at France Field, C. Z.

CONTRACT AWARDED
SAN FRANCISCO—L. & E. Emanuel, Inc., 2665 Jones St., at $1225 awarded contract by Post Office Department for wickets and wood screens, etc., for the U S. Post Office and Courthouse in San Francisco.

BIDS WANTED
FRANCE FIELD, C. Z.—Until Dec. 21, 10 A. M., bids will be received by the Constructing Quartermaster, Ft. Mason, San Francisco, for the installation of an hydraulic gasoline fueling system at France Field.
Plans and specifications may be obtained from above office upon deposit of $10.00.

BID OPENING DATE POSTPONED.
HONOLULU, T.H.—Until Jan. 18, 1 P. M., (opening date postponed from December 28), bids will be received by the Treasury Department, Procurement Division, Public Works Branch, Washington, D. C., for constructing a wharf, shed, disinfecting building, etc., at the U. S. quarantine station, Honolulu. Plans and specifications may be obtained from the Treasury Department in Washington upon deposit of $15, checks to be made payable to the Treasurer of the United States.

Preparing Preliminary Plans.
POST OFFICE Cost, $89,000
HAYWARD, Alameda Co., Cal.
One-story reinforced concrete Post Office building.
Owner—United States Government.
Architect—Bliss & Fairweather, Balboa Bldg., San Francisco.

Bids Wanted—To Close January 15.
POST OFFICE Cost, $60,000
PROSSER, Washington.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washingtonn, D. C.
Plans and specifications may be obtained from the above office upon deposit of $15.

CONTRACT AWARDED
GRAND CANYON, Ariz. — Del E. Webb Constr. Co., 1633 W. Jefferson St., Phoenix, awarded contract by National Park Service, at $45,637 for the construction of a Post Office building, four employees' residences and a fire equipment store house in Grand Canyon National Park. The buildings will be wood frame structures with siding, shingle and corrugated iron exteriors, shingle roofs, pine floors, linoleum bathroom and kitchen floors, steel and wood sash, stone chimneys, metal lath, plaster partitions, hot water and low pressure steam heating systems, etc. Plans were prepared by the National Park Service, 409 Underwood Bldg., San Francisco.

BIDS WANTED
HONOLULU, T. H.—Until January 16, 11 A. M., bids will be received by the Public Works Officer, 14th Naval District, Pearl Harbor, for relocation of carpenter shop and storehouse, Buildings Nos. 4 and 5 at the Fleet Air Base, Honolulu, T. H. Specification No. 7852.

8— CLUB BUILDING

Planned.
CLUBHOUSE Cost, $50,000
MARTINEZ, Contra Costa Co., Cal. City Waterfront Property.
Construct new clubhouse (60x70 feet) clubrooms, stage and dance floor.
Owner—Martinez Bass Club (Richard Austin, President), Martinez.
Architect—Not Selected.
Building committee is composed of the following: Earl Blaau, Ed. Wilson, Dave Foster and Gunnar Holliday.

Contract Awarded.
CLUB Cost, $75,000
FRESNO, Fresno Co., Cal. NE Tuolumne and N Streets.
Two-story frame and stucco club building (tile roof, etc.)
Owner—Y. M. C. A., Chas. A. Anger, Executive Secretary, Y. M. C. A., Fresno.
Plans by Trewitt Shields, Pacific Southwest Bldg., Fresno.
Contractor — Trewitt Shields, Pacific Southwest Bldg., Fresno.

To Ask Bids About January 2.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. No. 111 O'Farrell Street.
Alterations and additions to present building for club.
Owner—Kohler & Chase, 26 O'Farrell Street (George O. Chase).
Architect—Fred H. Meyer, 525 Market Street.
Lessee—Town Club of San Francisco, (W. O. Brown in charge, 111 O'Farrell Street.
Segregated bids will be taken by the architect.

Planned.
ALTERATIONS Cost, $2000
WOODLAND, Yolo Co., Cal. Elm Street.
Alterations and additions to Carlton Club.
Owner—Carlton Club.
Architect—Not Given.
Building committee is comprised of the following:
Carl Wulff, chairman; Duke Trainor Philip Collins, Ben Harling, Howard Beeman, Harley Kramer and Paul Gould.

9— HOSPITALS

Low Bidders.
HOSPITAL AND QUARTERS Cost, $180,000
NESPELEM, Washington. Colville Indian Agency.
Hospital, two doctors' houses, nurses' quarters (hospital will have reinforced concrete construction, light weight steel beams, reinforced concrete floors, etc.; nurses' quarters, masonry walls, asbestos shingle and clay tile roofing, hot water heating system, high pressure steam boilers).
Owner — United States Government (John Collier, Commissioner of Indian Affairs).
Architect—Schmidt, Garden & Erikson, 104 S. Michigan Ave., Chicago
Low Bidder — Western Constr. Co., Textile Tower, Seattle, Washington, at $131,680.
Second low bid was submitted by J. W. Bailey Constr. Co., Seattle, at $148,780.

Sub-Contracts Awarded.
DORMITORY Cont. Price, $7760
SAN JOSE, Santa Clara Co., Calif. Almhouse Site.
One-story frame and stucco dormitory (to accommodate 80 beds); shingle roof, plaster exterior, gas heating system.
Owner—County of Santa Clara.
Architect—Charles McKenzie, Twohy Bldg., San Jose.
Contractor—Frank Neves, 891 Harrison St., Santa Clara.
Plumbing—Theo. Moss, 1168 Magnolia St., San Jose.
Electric Wiring—J. E. Weintz, Santa Clara.
Heating—Theo. Moss, 1168 Magnolia St., San Jose.
Tile Work — Art Tile & Mantel Co., 221 Oak St., San Francisco.
Glass—Pacific Mfg. Co., Santa Clara.
Painting — George M. Cahill, 763 E. Julian St., San Jose.
Finish Hardware — Pacific Mfg. Co., Santa Clara.

BIDS OPENED
MONO COUNTY, Cal.—Pacific Gas Radiator Co., 7615 Roseberry Ave., Huntington Park, submitted low bid at $3964 to D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, December 17, for furnishing, delivering and installing an air conditioning system in the department's hospital building at the West Portal Camp of the Mono Craters Tunnel Project. Chas. J. Stangman Co., submitted the only other bid at $5090.95. Terms, net. Specification No. 1570.

10— HOTELS

Sub-Contracts Awarded.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. NW Powell and Geary Streets.
Alterations to mural room of hotel for store.
Owner—The Crocker Hotel Co., Post and Powell Streets.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Ira W. Coburn, 2048 Market Street.
Marble—Vermont Marble Company, 525 Market Street.
Lumber—J. H. McCallum Lbr. Co., 748 Bryant Street.
Painting—D. Zelinsky, 165 Grove St.
Ventilating—Scott Co., 243 Minna St.

Sub-Contracts Awarded.
ALTERATIONS Cost, $90,000
SAN FRANCISCO. NW Powell and Geary Streets.
Restoration of the Colonial room in the St. Francis Hotel (work involves carpentry, painting, decorating, ornamental plaster, electrical fixtures, plumbing, elevator, etc.)
Owner—The Crocker Hotel Co., Post and Powell Streets.
Architect—Bliss & Fairweather, Balboa Building.
Contractor—Ira W. Coburn, 2048 Market Street.
Ornamental Plaster—Aug. Dackert & Co., 1450 15th St.

Lumber—J. H. McCallum Lbr. Co., 748 Bryant Street.
Elevator—Westinghouse Elec. Elevator Co., 1 Montgomery Street.
Plumbing—Scott Co., 243 Miona St.
Electric—Golden Gate Elec. Co., 1526 California Street.

To Be Done By Day's Work.
REMODEL HOTEL Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel hotel building (painting, decorating, furnishings, etc.)
Owner — Santa Rosa Hotel (Max and Fred Rosenberg), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Lessee—Will A. Conway.
Mgr. of Constr.—Koch & Pettersen, 130½ Steiner Court, Santa Rosa.

12— POWER PLANTS

BID CALL CANCELLED
SAN FRANCISCO—Department of Public Works cancelled call for bids for repairs to roof at the Civic Center Power House. Bids were scheduled to be opened December 21, 10:45 A. M.

RECOMMENDED.
REDDING, Shasta Co., Cal.—E. E. Dick, superintendent of department of electricity, recommended to City Council study of diesel or steam operated power plant for operation of the city's electrical system. City is now purchasing electricity from the P. G. E. at wholesale rates.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

Sub-Contracts on Low Bid.
COURT HOUSE Cost, $1,800,000
OAKLAND, Alameda Co., Cal. Fallon and Twelfth Sts., Oak and 13th.
Twelve-story fireproof court house (structural steel frame, reinforced concrete walls, permanent and earthquake resistive, plumbing, heating, ventilating, electric work, elevators (to house all the county offices and courts) three lower floors to be 176x245 ft. and upper floors 116x116 ft.
Owner—County of Alameda.
Architects—W. G. Corlett, James E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).
Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.
Low Bidder—MacDonald & Kahn, Financial Center Bldg., San Francisco.
Sub-contracts submitted with MacDonald & Kahn's bid are as follows:
Fabricating Structural Steel—Columbia Steel Co., Russ Building, San Francisco, $118,417.
Masonry—White & Gloor, Monadnock Bldg., San Francisco, $5,889.
Mill Work—National Mill Co., 230 California St., San Francisco, $45,984.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco, $9,573.
Lathing & Plastering—Jas. F. Smith, 271 Minna Street, San Francisco, $120,818.
Ornamental Iron & Bronze—Monarch Iron Works, 262 7th St., San Francisco, $40,186.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland, $7,639.
Marble—Jos. Musto Sons Keenan Co., 535 North Point St., San Francisco, $31,706.
Terrazzo—Oakland Concrete & Terrazzo Co., 2227 Market St., Oakland, $13,895.
Asphalt Tile, Linoleum Floor & Linoleum Wainscot, Cork Flooring—Higgins Linoleum Co., 2335 Broadway, Oakland, $23,670.
Granite—McGilvray - Raymond Granite Co., 3 Potrero Avenue, San Francisco, $9,830.
Limestone — Indiana Limestone Co., 130 Lunada Way, San Francisco, $8,654.
Composition Roofing—General Roofing Co., 3985 Beach St., Oakland, $3,000.
Architectural Terra Cotta—N. Clark & Sons, 116 Natoma Street, San Francisco, $8,896.
Elevators—Otis Elevator Co., 1 Beach St., San Francisco, $104,087.
Finish Hardware — Associated Hardware Co., 3860 San Pablo Avenue, Oakland, $12,475.
Glass and Glazing—W. P. Fuller and Co., 259 10th St., Oakland, $20,876.
Vault Equipment—Hermann Safe Co., Howard and Main Sts., San Francisco, $1,820.
Stack Equipment—Snead & Co., Carleton Hotel, Berkeley, $7,865.
Jail Equipment—Pacific Electric Mfg. Co., 5815 Third St., San Francisco $68,985.
Painting and Decorating—D. Zelinsky & Sons, 165 Third St., San Francisco, $23,456.
Plumbing—Alta Electric & Mechanical Co., 467 O'Farrell Street, San Francisco, $48,060.
Electric—NePage - McKenny Co., 7 Front St., San Francisco, $83,987.
Heating—Alta Electric & Mechanical Co., $60,380.
Ventilating—Alta Electric & Mechanical Co., $98,000.
Air Conditioning—Alta Electric & Mechanical Co., $22,500.
Steel Sash—Truscon Steel Co., 604 Mission St., San Francisco, $45,571.

CONTRACT AWARDED
SAN QUENTIN, Marin Co., Cal.—Patterson & Koster Iron Works, 280 13th St., San Francisco, at $348 awarded contract by State Purchasing Department for steel stairs at San Quentin.

CONTRACTS AWARDED
FOLSOM, Sacramento Co., Cal.—State Purchasing Department awarded contracts to the following firms for furnishing 405 water closets and 405 lavatories for the State Prison at Folsom:
Crane Co., 301 Brannan St., San Francisco.
Tay Holbrook Co., 165 8th St., San Francisco.
Dallman Supply Co., Eighth and R Sts., Sacramento.
Total price for work is $5451 for water closets and $4483 for lavatories.

CONTRACT AWARDED
FOLSOM, Sacramento Co., Cal. — Palm Iron Works, 15th and S Sts., Sacramento, at $31,399 awarded contract by State Purchasing Department, four furnishing jail equipment at the Folsom State Prison.

BOND ELECTION
CARMEL, Monterey Co., Cal.—City of Carmel will hold an election on January 7 at which time bonds in the amount of $31,000 will be voted on to finance construction of a new City Hall in Carmel. Plans prepared by Architects C. J. Ryland, Milton Latham, Guy Koepp & C. S. Greene, Carmel and Monterey.
A grant of $9000 has been made by the PWA.

COMMISSIONED TO PREPARE PLANS
PHOENIX, Ariz.—Architect L. M. Fitzhugh, Ellis Bldg., Phoenix, has been commissioned by the Phoenix city manager to prepare plans for a municipal community building to be erected in the new city park in the northwest section of the city.

PLANNED
SAN LUIS OBISPO, Cal.—San Luis Obispo County Supervisors will start work shortly on the first two units of the present courthouse in San Luis Obispo. SERA will provide the necessary labor and materials will be purchased by the county. Plans were prepared by Architects A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Los Angeles. The complete building will be a three-story and basement, Class A structure, covering an area of 181x118 ft., and will contain a hall of records, storage rooms and county welfare department in the basement; supervisors' offices, assessor's, tax collector's, auditor's and county clerk's offices on the ground floor; court rooms, county engineer and surveyor's, superintendent of schools and district attorney's quarters on the second floor; sheriff's quarters and a jail with accommodations for 48 prisoners on the third floor. It will have a reinforced concrete frame, brick filler walls, hollow terra cotta tile partitions reinforced with metal mesh, marble and tile work, plastered exterior, Spanish tile roof, steam heat, one elevator, etc. Cells in the present county jail will be remodeled and used in the new structure. Total cost is estimated at $380,000.

BIDS WANTED
SAN FRANCISCO.—Until Dec. 26, 1:45 P. M., bids will be received by Department of Public Works, Room 251, City Hall, for traffic guides for revolving doors on the Van Ness Ave. entrance to the City Hall.
Further information may be obtained from Chas. H. Sawyer, City Architect, Room 265, City Hall. No deposit required for plans.

14— RESIDENCES

Sub-Contracts Awarded.
RESIDENCE Cost, $9000
BURLINGAME, San Mateo Co., Calif.
Two - story and basement frame and whitewashed brick residence (8 rooms, 4 baths) shake roof, gas steam heating system, oak plank floors, tile baths, etc.
Owner—Sylvia Brownell.
Architect—Clarence Tantau, 210 Post Street, San Francisco.
Contractor—Fred. K. DuPuy, 110 Sutter Street, San Francisco.
Electric—Frank Goodman, 1466 33rd Avenue, San Francisco.
Lumber and Mill Work—Wisnom Lbr. Co., Fifth and S. Claremont, San Mateo.

December 20, 1934

Contract Awarded.
RESIDENCE **Cost, $4000**
OAKLAND, Alameda Co., Calif. 1100 El Centro Avenue.
One - story and basement frame and stucco residence (six rooms).
Owner and Builder—Chas. Anderson, 3917 Park Blvd., Oakland.
Architect—Not Given.

Contract Awarded.
RESIDENCE Cost, $4000
OAKLAND, Alameda Co., Calif. 31 Wilding Lane.
Two-story frame residence (5 rooms)
Owner—Viola Buel, 31 Wilding Lane Oakland.
Architect—Not Given.
Contractor — H. L. Crocker, Jr., 30 Wilding Lane, Oakland.

Contract Awarded.
RESIDENCE Cost, $10,000
SAN MATEO, San Mateo Co., Cal. San Mateo Park 105 Clark Drive.
Two-story and basement frame and stucco residence.
Owner—August Cerruzte.
Architect—Not Given.
Contractor—S. A. Wisnom, 140 Ellsworth St., San Mateo.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
BURLINGAME, San Mateo Co., Cal. Willborough Avenue.
One-story frame and stucco residence (5 rooms).
Owner and Builder — G. W. Williams Co., 315 Primrose Road, Burlingame.
Architect—Not Given.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN JOSE, Santa Clara Co., Calif. No. 253 Vine Street.
Alterations to frame residence for duplex.
Owner—A. Magnolia, Premises.
Architect—Not Given.
Contractor—Chas. A. Del Ponte, 918 S. Ninth St., San Jose.

Sub-Contracts Awarded.
RESIDENCES Cost, $——
OAKLAND, Alameda Co., Cal. Piedmont Pines.
Three 1-story frame and stucco residences (5 rooms each); shingle roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—W. Vernon Bernard, 227 San Carlos St., Berkeley.
Lumber—Bay City Lumber Co., 48th Ave. and E-12th St., Oakland. 2140 Curtis St., Oakland.
Heating—Granholt Sheet Metal Wks. 921 University Ave., Berkeley.

Electric—Fruitvale Electric Co., 3257 E-14th St., Oakland.
Hardwood Floors — Chas. Josephson,

Sheet Metal Contract Awarded.
RESIDENCE Cost, $4775
SAN FRANCISCO, N Belgrave Ave. E Stanyan Street.
One - story and basement frame and stucco residence.
Owner—Robert S. and Alice M. Watts.
Architect—Wm. I. Garren, 233 Post Street.
Contractor—Moore and Roberts, 693 Mission Street.
Sheet Metal—Atlas Sheet Metal Wks. Other awards reported Nov. 28.

Bids Opened.
ALTERATIONS Cost, $——
BERKELEY, Alameda Co., Cal. 1040 Sierra Street.
Alterations and additions to frame residence.
Owner—A. Mafley, premises.
Architect—Resing & McGuinness, 488 Pine St., San Francisco.
Low Bidder—J. Johnson, 1614 Church St., San Francisco.
Complete bids follow:
Joel Johnson, San Francisco.....$3,289
A. Cederburg, Oakland..... 3,426
C. Lindberg, San Francisco..... 3,896
Emil Person, Berkeley..... 4,136
Peter Sartorio, San Francisco..... 4,261

Plans Being Completed.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two-story frame and stucco residence (7 rooms, 2 baths) Spanish style; tile roof, floor furnace, hardwood floors, tile baths, etc.
Owner—George Rothang.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be forwarded to Sacramento for approval Dec. 19.

Contract Awarded.
RESIDENCE Cost, $18,000
STOCKTON, San Joaquin Co., Cal. No. 959 Country Club Blvd.
Two-story brick residence.
Owner—Gussie Cohn.
Architect — Frank V. Mayo, 108 E-Miner St., Stockton.
Contractor—Ecker Bros., 1658 S. San Joaquin St., Stockton.

Contract Awarded.
RESIDENCE Cost, $4000
SAN FRANCISCO, SW Bosworth and Diamond Streets.
One-story and basement frame and stucco residence.
Owner—Mrs. C. Straub, 601 Bosworth St., San Francisco.
Architect—Not Given.
Contractor—H. F. Stremme, 115 Surrey St., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $5000
OAKLAND, Alameda Co., Calif. NE 22nd and Valley Streets.
One - story and basement frame and stucco residence (5 rooms; Exhibition House).
Owner—Home Planning Bureau, 21st and Broadway, Oakland.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—Geo. Windsor, 928 Kingston Ave., Piedmont.
Plumbing—J. M. Dale, 73rd Avenue, Oakland.
Electric Wiring—Scott - Buttner Co., 23rd and Webster Sts., Oakland
Electric Fixtures — Roberts Lighting Fixture Co., 23rd and Telegraph Ave., Oakland.
Heating—Golden Gate Sheet Metal Works, 1422 14th Ave., Oakland.
Tile Work—Rigney Tile Co., 3012 Harrison Street, Oakland.
Water Heater—Hoyt Heater Co., 926 High Street, Oakland.
Brick and Stone Work—W. A. Wisheropp, 3749 Quigley, Oakland.
Hardware—Simons Hdwe. Co., Broadway, Oakland.
Painting—G. Van Huyden, 6260 College Ave., Oakland.
Lathing—San Muriale, 3831 La Cresta, Oakland.
This project is being erected by the Home Planning Bureau of Oakland and all materials have been donated with very few exceptions. The architects and general contractor have also donated their services. When completed the building will be furnished by J. Breuner and opened as an exhibition home.

Planned.
ALTERATIONS Cost, $5000
MANTECA, San Joaquin Co., Cal.
Alterations to residence (work involves painting, plumbing, tile work, roofing, heating, etc.
Owner—Withheld.
Architect—Frank Mayo, 108 E. Miner St., Stockton.
Work will not go ahead until spring

Contract Awarded.
RESIDENCE Cost, $3500
SANTA CRUZ, Santa Cruz Co., Calif. No. 99 101 Peyton Street.
Two - story frame residence (stucco exterior, shingle roof).
Owner—M. J. Brinkerhaff, Santa Cruz
Architect—Not Given.
Contractor—Walter Reed, 25 Arbor Ave., Santa Cruz.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
BERKELEY, Alameda Co., Calif. 921 Shattuck Avenue.
Two - story and basement frame and stucco residence (8 rooms).
Owner and Builder—Frank W. Jewett 922 Shattuck Ave., Berkeley.
Architect—Not Given.

Sub-Contracts Awarded.
RESIDENCE Cost, $——
SAN FRANCISCO, Vallejo St. near Baker Street.
Two-story and basement frame and stucco residence (10 rooms and 4 baths).
Owner—Doctor Scovell.
Architect—G. W. Travis, 251 Kearny St., San Francisco.
Contractor—G. W. Williams Co., 315 Primrose Road, Burlingame.
Plumbing—J. J. McLeod, 1246 Golden Gate Ave.
Electric Wiring—C. W. Farrow, 1531 Eighth Ave.
Heating—Atlas Heating & Ventilating Co., 557 Fourth St.
Mantel (Marble) — Eisele & Dondero, 2895 Third St.
Hardwood Floors — Regal Floor Co., 450 Spear St.
Lumber and Mill Work—National Mill & Lumber Co., 230 California St.

Segregated Bids Being Taken.
RESIDENCE Cost, $7000
BERKELEY, Alameda Co. Cal. Thousand Oaks Blvd.
Two - story and basement residence (8 rooms, 2 baths and lavatory) Colonial style; shingle roof; siding exterior; hot air heating system, wood windows, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Completed.
RESIDENCE Cost, $5000
ORINDA, Contra Costa Co., Calif.
Two - story frame and stucco residence (5 rooms, 1 bath) Spanish style, shingle roof, hot air heating system, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Plans Being Completed.
RESIDENCE Cost, $6000
BERKELEY, Alameda Co., Cal. Grizzly Peak Blvd.
Two-story residence (6 rooms and 2 baths) California Colonial type, shake roof, wood and stucco exterior, hot air heating system, wood windows, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal. Cragmont Avenue.
Two-story and basement frame and stucco residence (7 rooms and 3 baths) California Colonial type, shake roof, siding exterior, hot air heating system, wood windows, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.
Contractor—J. M. Walker, 1709 Grove St., Berkeley.

Plans Being Completed.
RESIDENCE Cost, $6500
BERKELEY, Alameda Co., Cal. Berkeley Highland Terrace.
Two-story and basement frame residence (California Colonial style) wood and stucco exterior, shake roof, hot air heating system, steel sash, etc.
Owner—Withheld.
Architect—E. L. Snyder, 2101 Shattuck Ave., Berkeley.

To Be Done By Day's Work.
RESIDENCE Cost, $4000
SAN FRANCISCO. W Fifth Ave. 75 N Kirkham St.
One-story and basement frame and stucco residence.
Owner and Builder—Anza Home Bldg. Co., 1598 36th Ave., San Francisco.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCES Cost, $4000 each
SAN FRANCISCO. N Vincente St. 100 W Twenty-sixth Ave.
Two one-story frame and stucco residences.
Owner and Builder—Stoneson Bros., 1630 Ocean Ave., San Francisco.
Architect — Chas. F. Strothoff, 2274 15th St., San Francisco.

15— SCHOOLS

CONTRACT AWARDED
LOS ANGELES, Cal.—Arthur Pinner Jr., 116 W. 94th St., awarded contract at $64,847 by Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of the main building at the Ninety-fifth Street School, located on the south side of 95th St., east of Budlong Ave. A. S. Nibecker Jr., architect; Blake E. Beatty, structural engineer.

CONTRACT AWARDED
LOS ANGELES, Cal.—Pacific System Homes, Inc., 5800 S. Boyle Ave., Vernon, awarded contract at $31,831 by Los Angeles Board of Education for erection of one-story frame and stucco school building at the Virginia Road School, 2925 Virginia Road. Robert H. Orr, 724 S. Spring St., architect.

LOW BIDDER
LOS ANGELES, Cal. — Richards-Neustadt Constr. Co., Ltd., 5500 S. Boyle Ave., submitted low bid at $38,-281 to Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of the main building at the Heliotrope Avenue School, 4800 E. Slauson Ave. Joseph Kaiser, 5849 S. Van Ness Ave., architect.

BIDS WANTED
HERMOSA BEACH, Los Angeles Co., Cal.—Until January 15, 2 P. M., bids will be received by the Board of Public Building Reconstruction at Hermosa Beach for reconstructing classroom building and shop and cafeteria at the Pier Avenue School, Hermosa Beach. Separate general bids will be taken for each structure and segregated bids will be taken for the heating, plumbing and electrical work for both buildings combined. Plans may be obtained at 311 California State Bldg., Los Angeles, upon deposit of $25. Estimated cost, $38,-000. Samuel E. Lunder, 400 Rowan Bldg., Los Angeles, architect, and Paul E. Jeffers, structural engineer.

BIDS WANTED
SANTA ANA, Orange Co., Cal.—Until January 8, 2 P. M., bids will be rereceived by Board of Public Building Reconstruction at 1014 N. Main St., Santa Ana, for erection of block "D" at Santa Ana High School. Allison & Allison, 1014 Edison Bldg., Los Angeles, architect.

TO ASK BIDS
COSTA MESA, Orange Co., Cal.—Board of Public Building Reconstruction will call for bids shortly for reconstructing auditorium building and west wing of main building, and for erection of new 14-classroom and administration building (210x60 feet) on Costa Mesa Grammar School site, 19th St. and Newport Blvd., Costa Mesa. Cost $70,000. Herbert E. Mackie, architect and John Paxton Perrine, Western Pacific Bldg., Los Angeles, and Ryan A. Grut, 1007 S. Grand Ave., Los Angeles, structural engineers.

Bids Wanted—To Close Jan. 10, 7:30
SCHOOL Cost, $100,000
BAKER, Oregon.
Two - story Junior High School (face brick, masonry walls) 16 classrooms, 223x84 feet; gymnasium, lockers, showers, etc.
Owner—Baker School District.
Architect — Lee Thomas, Weatherly Building, Portland, and Wallace Landreth, Baker.
Bids are being taken on a general contract with separate bids on wiring, plumbing and heating.
Plans and specifications may be obtained at the offices of the architects.

Plans Approved.
SCHOOL Cost, $3500
BERRY CREEK, Butte Co., Calif.
One - story wood frame school building (one classroom) shingle roof, wood floors.
Owner—Berry Creek School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Application has been filed for SERA labor.

BOND ELECTION PLANNED.
BAYWOOD, San Mateo Co., Calif.—Baywood Park-Aragon School District is considering calling another election shortly to vote bonds in the amount of $25,000 to finance construction of a new grammar school in Baywood Park. On previous election, bonds were defeated by 44 votes.

Planned.
ADDITION Cost, $——
KNIGHTS LANDING, Yolo Co., Cal.
Addition to grammar school (add classrooms, etc.)
Owner—Grafton School District (E. G Mahoney, Clerk).
Architect—Not Given.

Plans Being Completed.
BUILDING Cost, $——
SANTA ROSA, Sonoma Co., Calif. Junior College Premises.
One-story frame and brick veneer students' building (30x50 feet; tile roof).
Owner—Santa Rosa Junior College (F. P. Bailey, Dean, Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be forwarded to State Division of Architecture for approval within two weeks. Work will be done by the students.

CONTRACT AWARDED
OAKLAND, Cal.—John E. Branagh, 116 Monticello St., Oakland, at $3918 awarded contract by Oakland Board of Education for constructing four temporary buildings on the Oakland High School Site, Park Blvd. and Hopkins St, Oakland. Complete bids follow. All bidders of Oakland unless otherwise given:

John E. Branagh	3918
A. Holyoake, Hayward	4050
Kelly & Tulloch	4254
J. R. Armstrong	4256
Willis F. Lynn	4363
Whalen Brothers	4460
Nielson & Lahti	4574
John M. Bartlett	4580
Mark Bristol	4625
George Swanstrom	4648

Contract awarded subject to the approval of the District Attorney.

December 14, 1934

Plans Completed.
SCHOOL Cost, $35,000
GRIDLEY, Butte Co., Cal.
Replace McKinley Primary School with one-story frame and stucco building (8 rooms); concrete slab floor, aluminum foil insulation, steam heating plant.
Owner—Gridley School District.
Architect — George Sellon, California State Life Bldg., Sacramento.
Plans have been forwarded to State Division of architecture for approval.

CONTRACT AWARDED
SAN FRANCISCO—R. P. Paoli, 3159 Fillmore St., at $9075 awarded contract by Department of Public Works for painting the following schools:
(1) Bayview School, NE Bay View and Flora Streets.
(2) Denman School, Pierce, Fell and Hayes Streets.
(3) John Swett School, McAllister St. between Franklin and Gough Sts.
(4) Adams School, Eddy St., between Van Ness Ave. and Polk St.
Complete bids follow:

R. P. Paoli	(1)	$3385
	(2)	2195
	(3)	2895
	(4)	1600
Reliable Painting Co.	(1)	$2950
	(2)	2980
	(3)	3550
	(4)	2500
Patterson Bros., Oakltnd	(1)	$3580
	(2)	2945
	(3)	3475
	(4)	1940
American Bldg. & Maintenance Company	(1)	$——
	(2)	3700
	(3)	4200
	(4)	2250
Lee Dixon	(1)	$——
	(2)	——
	(3)	3294
	(4)	2500

Bid of Cramer Co. was irregular.

Bids Wanted—To Close Jan. 23, 2:30 P. M.
SCHOOL Cost, $300,000
SAN FRANCISCO. 150 Brompton St. (Glen Park School).
Two - story reinforced concrete school (14 classrooms, auditorium to seat 450) tar and gravel roof, steam heating system, etc.
Owner—City and County of San Francisco.
Architects—Lewis P. Hobart, 525 Market St. and Bliss & Fairweather, Balboa Building.
Structural Engineer—John B. Leonard 677 Tenth Avenue.
Mechanical Engineer—Robert L. St. John, 544 Market Street.
Work involves:
Excavation and grading; plain and reinforced concrete; structural steel; roofing and membrane water-proofing masonry and architectural terra cotta; sheet metal and metal covered work; metal furring, lathing, interior and exterior plastering; marble work; tile work; terrazzo work; acoustical tile ceilings; miscellaneous iron and bronze work; glass and glazing; finish hardware; kitchen equipment; metal fencing; window shades; stage equipment and draperies; linoleum flooring.
Bids are being taken as follows:
General Work—(Est. Cost), $216,000; (Deposit for Plans) $25.
Electrical Work—$14,000; $15.00.
Mechanical Equipment and Plumbing—$31,000; $15.00.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, Room 265, City Hall.

Plans Being Revised.
RESIDENCE Cost, $10,000
TURLOCK, Stanislaus Co., Cal.
Two-story and basement frame and stucco residence (8 rooms and 2 baths); Spanish style; tile roof, oil or gas heating system, hard-

wood floors, tile baths, etc.
Owner—J. F. Osborne.
Architect—C. N. Hilburn, 1213 I St., Modesto.
New bids will be asked shortly.

Bid Opening Date Postponed Until Dec. 28, 11:30 A. M.
SCHOOL Cost, $——
SAN FRANCISCO. Thirtieth Avenue near Lawton Street.
Two-story and basement school building (Lawton School) fifteen classrooms, auditorium, kindergarten, library; tar and gravel roof, steam heating system, concrete frame, concrete walls, concrete floors, wooden studs, metal lath.
Owner—City and County of San Francisco.
Architect — Dodge R. Riedy, Pacific Bldg., and Charles E. J. Rogers, Phelan Building.
Structural Engineer — Hyman Rosenthal, 821 Market Street.
Mechanical Engineer—Robert L. St. John, 544 Market St.
Bids are being taken as follows:
General Work—Est. cost, $220,000; $25 deposit for plans.
Mechanical Equipment and Plumbing—Est. cost, $29,000; $15 deposit for plans.
Electrical Work—Est. cost, $12,000; $15 deposit for plans.
Plans and specifications may be obtained from C. H. Sawyer, City Architect, City Hall.

Commissioned To Prepare Plans.
STRENGTHEN SCHOOL Cost, $——
REDWOOD CITY, San Mateo Co., Cal.
Structural changes to Sequoia High School to comply with State earthquake ordinance.
Owner — Sequoia Union High School District (Jas. D. Hedge, President of the Board).
Engineer—H. J. Burnnier, Sharon Bldg., San Francisco.
Further details will be announced shortly.

CONTRACT AWARDED
SAN FRANCISCO—Alta Roofing Co. 976 Indiana St., at $76.00 awarded contract by Department of Public Works for removal and replacement of approximately one-third of the area of tar and brick roof on each of two bungalows at the Glen Park School, Brompton Avenue and Bosworth St.
Complete bids follow:

Alta Roofing Company	$ 76.00
Empire Roofing Company	93.00
L. S. Case, Inc.	112.00

Bids Wanted—To Close Jan. 2, 11 A.M.
ADDITION Cost, $——
AVENAL, Kings Co., Calif.
Three - room addition to Kettleman Elementary School.
Owner—Reefe - Sunset Union School District (A. M. Toler, Clerk).
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Plans and specifications may be obtained from the architect and from the clerk of the district.

Bids Wanted—To Close Jan. 9, 2:30 P. M.
SCHOOL Cost, $——
SAN FRANCISCO. Schwerin Street between Visitacion & Leland Sts. (Visitacion Valley School).
School unit (15 classrooms, library) erinforced concrete construction.
Owner—City and County of San Francisco.
Architect—Hyman & Appleton, 68 Post St. and G. Albert Lansburgh, 140 Montgomery Street.
Mechanical Engineers—Leland & Haley, 58 Sutter Street.
Bids are being taken as follows:
General Work: Estimated cost $210-000. Deposit for plans, $25.00.
Mechanical Equipment and Plumbing: $26,000; $15.00.
Electric: $10,500; $15.00.
All bids were rejected and new bids will be asked in about two weeks.
On previous bid opening lowest bid was submitted by F. J. Reilly, 6350 Fulton St., at $181,231 on the general; Anderson & Rowe, 45 Belcher St. on mechanical equipment at $21,980 and Central Electric Co., 179 Minna St. on electrical at $10,632.

BONDS DEFEATED.
SAN MARTIN, Santa Clara Co., Cal.—San Martin School District defeated bond issue in the amount of $11,-000. Proceeds were to have financed construction of an addition to the school building at San Martin.

CONTRACTS AWARDED
LYNWOOD, Los Angeles Co., Cal.—Wiggs Constr. Co., 1200 E. Olive St., Compton, awarded contract by Lynwood School District, at $59,558, for reconstructing, strengthening and rehabilitating the Woodrow Wilson Elementary School in Lynwood. Barker-Allen Electric Co., 1607 Chauenga Ave., Los Angeles, was awarded electric wiring at $4101, and Charley H. Warner, 1310 N. Tamarind, Compton, was awarded the plumbing, heating and ventilating at $5429.52. Marsh, Smith & Powell, architects, 516 Architects' Bldg., Los Angeles.

BOND ELECTION
SANTA BARBARA COUNTY, Cal.—Santa Ynez Valley Union High School District will hold an election January 14 at which time it is proposed to vote bonds in the sum of $65,000 to secure a loan recently approved by the PWA to finance the erection of a new school building. Total cost of the building is estimated at $93,600, a grant of $28,600 having also been approved. It will be a wood frame and stucco structure with tile roof. E. Keith Lockard, 117 E. De la Guerra, Santa Barbara, is the architect.

LOW BIDDER
LOS ANGELES, Cal.—Arthur Pinner, Jr., 116 W. 94th St., submitted low bid at $64,847 to Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of the main building at the Ninety-fifth St. School on 95th Street, east of Budlong Avenue. A. S. Nibecker Jr., architect; Blake E. Beatty, structural engineer.

BIDS WANTED
LOS ANGELES, Cal.—Until January 4, 11:30 A. M., bids will be received by Los Angeles Board of Education Purchasing Bureau, 1425 S. San Pedro St., for the reconstruction, rehabilitation and strengthening of the shop building at the Jacob A. Riis High School, 139 W. 69th St. Work will consist of guniting exterior walls, adding bond beams and bracing, altering mezzanine floors, and generally strengthening and rehabilitating the building to conform to new State earthquake code. Richards & Eager, 607 Architects' Bldg., architects. Lawrence J. Waller, 257 S. Berendo St., structural engineer. Cost, $27,-854.

CONTRACT AWARDED
LOS ANGELES, Cal.—C. J. Dorfman, 124 N. La Brea Ave., awarded contract at $70,936 by Los Angeles Board of Education for reconstruction, rehabilitation and strengthening of the main building at the 118th St. School, 144 E. 118th St. Walter B. Erkes, 1211 Rives-Strong Bldg., architect. F. N. Ropp, 1014 Edison Bldg., structural engineer.

CONTRACT AWARDED
LYNWOOD, Los Angeles Co., Cal.—Wigg Const. Co., 1200 E. Olive St., Compton, awarded contract by Lynwood School District at $24,008, for reconstructing, strengthing and rehabilitating the Abraham Lincoln elementary school in Lynwood. Marsh Smith & Powell, architects, 516 Architects' Bldg., Los Angeles.

Contract Awarded.
SCHOOL Cont. Price, $12,300
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One-story light structural steel and wood frame school building (two classroom and auditorium) tile roof, individual gas unit heating system, etc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin St., Oakland.
Associate Architect—Geo. P. Simonds, 191 Main St., Hayward.
Contractor — John E. Branagh, 116 Monticello St., Oakland.

Bids Opened.
SCHOOL Cost, $——
VALLE VISTA, Alameda Co., Calif.
Four miles south of Hayward.
One - story light structural steel and wood frame school building (two classrooms and auditorium) tile roof, individual gas unit heating system e,tc.
Owner—Valle Vista School District.
Architect—Chas. McCall, 1404 Franklin Street, Oakland.
Associate Architect—Geo. P. Simonds, 191 Main St., Hayward.
Low Bidder — John E. Branagh, 116 Monticello, Oakland.
Complete bids follow:
(1) add for finishing library and hall entry;
(2) add for flooring, roughing - in plumbing and electrical work in auditorium and kitchen.

John E. Branagh		$12,300
	(1)	924
	(2)	890
J. R. Armstrong		$12,465
	(1)	1,325
	2)	341
Nielsen & Lahti		$13,130
	(1)	1,159
	(2)	473
Albert Haskell		$13,200
	(1)	1,103
	(2)	637
Geo. Petersen, San Leandro		$14,000
	(1)	1,000
	(2)	500
N. H. Sjoberg & Sons, S. F.		$14,183
	(1)	1,242
	(2)	686
A. Cederborg		$15,498
	(1)	1,311
	(2)	538
Young & Horstmeyer, S. F.		$17,973
	(1)	755
	(2)	623

All bidders of Oakland unless otherwise noted.
Upon approval of the PWA contract will be awarded.

PLANNED
DAVIS, Yolo Co., Cal.—University of California will ask the State Legislature to appropriate $750,000 for improvements at the College of Agriculture, Davis. Included in the proposed work is the construction of a new plant science building and a new wing to the Horticultural building.

PLANNED
ARIZONA—Arizona legislature last week completed its enabling program by which approximately $1,720,000 in federal loans and grants have been officially accepted by the state, proceeds to be used for the following im-

provements: University of Arizona, Tucson, $815,000, Roy Place, Tucson, architect; Arizona Teachers' College, Tempe, $455,000, Lescher & Mahoney, Phoenix, architects; Arizona State Teachers' College, Flagstaff, $360,000, Lescher & Mahoney, Phoenix, architects; State Deaf and Blind School, Tucson, $90,000.

Plans Completed.
HIGH SCHOOL Cost, $10,000
WEAVERVILLE, Trinity Co., Cal.
One-story steel frame and wood high school building.
Owner — Trinity Union High School District.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Plans will be forwarded to Sacramento for approval Dec. 19. Work will be done by day's labor under the SERA.

Preparing Preliminary Plans.
MANUAL TRAINING BLDG. Cost, $45,000
SEBASTOPOL, Sonoma Co., Cal.
One-story reinforced concrete manual training building for high school.
Owner — Analy Union High School District.
Architects—J. W. Rowell; L. C. Stone and Henry C. Smith, Humboldt Bank Bldg., San Francisco.

BIDS WANTED
MODESTO, Stanislaus Co., Calif.—Until December 31, 11 A. M., bids will be received by Modesto High School District for building materials for the construction of a one-room unit of the Modesto High School Building, known as the Trades Department.
Following is a list of said materials:
(1) cement, rock, gravel, sand;
(2) steel (reinf. and structural);
(3) wire fabric;
(4) lumber (construction, finish, mill work, maple flooring);
(5) flooring (redwood blocks treated, quarry tile);
(6) lathing and plastering (interior and exterior);
(7) sheet metal roofing (tile & composition);
(8) paint;
(9) finish hardware;
(10) plumbing;
(11) heating;
(12) electrical.
Plans and specifications are on file at the office of the Board of Education, Capitol School Building, 14th St. between H and I Sts., Modesto.

Plans Awaiting Approval.
AUDITORIUM Cost, $24,700
LE GRAND, Merced Co., Calif.
One-story frame and stucco combination gymnasium (144x88 ft.) stage, dressing rooms, etc.
Owner—Le Grand Union High School District.
Architect—W. H. Weeks, 525 Market Street, San Francisco.
Final plans have been forwarded to to the State Division of Architecture, Sacramento, for approval.

Plans Being Completed.
SCHOOL Cost, $45,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco elementary school (Crocker Elementary School); six classrooms, principal's office, lunchroom, etc. probably tile roof.
Owner—Jefferson School District (W. K. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First National Bank Building, San Francisco.
Plans are 65% completed and specifications will be started in one week.

Plans Being Completed.
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco elementary school (six classrooms, principal's office, lunchroom, etc.); probably tile roof (Jefferson Elementary School).
Owner—Jefferson School District (W. K. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First National Bank Building, San Francisco.
Plans are 65% completed and specifications will be started in one week.

Plans Being Completed.
SCHOOL Cost, $35,000
DALY CITY, San Mateo Co., Cal.
One-story frame and stucco grammar school (8 classrooms, principal's office, lunchroom, etc.); probably tile roof, Woodrow Grammar School).
Owner—Jefferson School District (W. J. Sweeney, Clerk).
Architect—Albert F. Roller, Crocker First Nat'l. Bank Bldg., San Francisco.
Plans 65% completed and specifications will be started within one week

16—BANKS, STORES AND OFFICES

Contract Awarded.
RESIDENCE & STORE Cost, $7000
OAKLAND, Alameda Co., Cal. 5701-5703 Telegraph Avenue.
Two-story frame and stucco residence and store.
Owner—A. J. Miller.
Architect—Guy L. Brown, 601 American Building, Oakland.
Contractor—M. E. Valente, 5118 Clarke Street, Oakland.

Contract Awarded.
RESIDENCE Cost, $8000
OAKLAND, Alameda Co., Cal. No. 5701-03 Telegraph Avenue.
Two-story frame and stucco residence and store (50x75 feet); five-room apartment; tar and gravel roof, gas heating system, hardwood floors in apartment; cement floors in store, plate glass, metal bars, skylights, etc.
Owner—A. J. Miller.
Architect—Guy L. Brown, 601 American Bldg., Oakland.
Contractor—M. E. Valente, 5118 Clarke St., Oakland.

Contract Awarded.
ADDITION Cost, $4000
SAN FRANCISCO. N Bryant 75 W Third Street.
One-story Class C addition to sales room.
Owner—H. C. Wood, 520 Bryant St.
Engineer—Norman B. Green, Sharon Building.
Contractor—F. R. Siegrist, 604 Mission Street.

To Be Done By Day's Work.
ALTERATIONS Cost, $3,000
SAN FRANCISCO. NW Geary and Palm Streets.
Alterations to market.
Owner—Lewis Norton, Russ Bldg.
Engineer—Ellison & Russell, Pacific Building.

PREPARING PLANS
SANTA CATALINA ISLAND, Cal.—Architect Sumner M. Spaulding, California Bank Bldg., Beverly Hills, is preparing plans for altering the casino at Santa Catalina Island for Mr. Wrigley. Work will consist of building a supper club on the mezzanine floor and installing a bar.

Plans Being Prepared.
ADDITION Cost, $1000
OAKLAND, Alameda Co., Cal. No. 1404 Franklin Street.
Addition to offices.
Owner—Withheld.
Architect—Chas. McCall, 1404 Franklin St., Oakland.

Contract Awarded.
STORES AND LOFT Cost, $13,000
OAKLAND, Alameda Co., Calif. 820-824-828 Harrison Street.
Two - story concrete stores and loft building.
Owner—A. C. Oppenheimer, Alameda.
Architect—Kent and Hass, 525 Market Street, San Francisco.
Contractor—Kelly & Tullock, 335 9th St., Oakland.

Site Purchased.
OFFICES Cost, $80,000
FRESNO, Fresno Co., Cal. Mariposa and N Streets (150x100 feet).
Construct new administration building.
Owner—Fresno City School District.
Architect—Allied Architects of Fresno
The State Board of Equalization authorized the use of the $80,000 for the project.

Contract Awarded.
OFFICES AND DORMITORY Cont. Price, $13,172
PARKER DAM, Arizona.
Office building (65x32 ft.) and dormitory (112x42 feet); concrete footings and floors, wood frame, outside walls covered with insulating building board, shiplap or metal wainscoting, air conditioning system, etc.
Owner — United States Government (Bureau of Reclamation).
Plans by Engineering Dept. of Bureau of Reclamation.
Contractor—Paul S. Webb, P. O. Box 11, Boulder City, Nevada.

Sub-Contracts Awarded.
STORE Cost, $5900
MILL VALLEY, Marin Co., Cal.
One-story brick store building (cement finish on front, wood floors, plastered walls and ceilings, flat roof, brick walls, etc.)
Owner—Estate of M. M. O'Shaughnessy, 60 Summitt Ave., Mill Valley.
Architect — Kent & Hass, 525 Market St., San Francisco.
Contractor — Jos.. Linggi, Westland Park, San Rafael.
Roofing—Marin County Roofing Co., Larkspur.
Plumbing—Verney Bros., Mill Valley.
Electric Wiring—Electricans', Inc.
Sheet Metal—Kholes Sheet Metal Wks. San Anselmo.
Glass—San Rafael Glass Works, San Rafael.
Brick and Stone Work—T. Lahaye, San Anselmo.
Grading—Boltini Bros., San Rafael.

Contract Awarded.
ALTERATIONS Cost, $3000
SAN FRANCISCO. NW Geary Street and Palm Street.
Alterations to market.
Owner—Lewis Norton, Russ Building.
Engineer—Ellison and Russell, Pacific Building.
Contractor—J. S. Malloch, 666 Mission Street.

Final Plans Approved.
SCHOOL Cost, $15,000
MacARTHUR, Shasta Co., Cal.
One-story heavy timber school building (one classroom and shop).
Owner—MacArthur School District.
Architect—Otto Deichmann, 110 Sutter St., San Francisco.
Engineer—Harold Hammill, 381 Bush St., San Francisco.
Application has been filed with the SERA to furnish labor for the project.

Contract Awarded.
ALTER TERMINAL Cost, $50,000
PORTLAND, Oregon. Salmon Street, between Fifth and Sixth Sts.
Alterations to stage terminal (work involves removal of 54 ft. structure, to be used as loading zone, roofing 20 foot alley, enlarge waiting room, etc.)
Owner—Sixth Avenue Terminal Co.
Architect—Knighton & Howell, U. S. National Bank Bldg., Portland.
Contractor—Drake, Wyman & Voss, Inc., U. S. National Bank Bldg., Portland.

Contract Awarded.
REPAIR CAFE Cost, $2000
SAN FRANCISCO. 172 Golden Gate Avenue.
Repair fire damage to cafe.
Owner—T. G. and C. H. Knight, 160 Shrader Street.
Architect—Not Given.
Contractor—James B. McSheehy, 137 Clifford Terrace.

Preparing Tentative Plans.
OFFICE BLDG. Cost, $20,000
FRESNO, Fresno Co., Cal. Merced and G Streets.
One-story brick office building (40x 60 ft.) delivery and receiving platform, 100x150 feet.
Owner—Valley Motor Lines, Inc., 1235 G St., Fresno (Geo. Harm, Haroud Frasher and B. O. Thomas, owners), Fresno.
Plans by Fisher - McNulty, Mattei Bldg., Fresno.

Contract Awarded.
ALTERATIONS Cost, $2000
SAN FRANCISCO SE Fourth and Stevenson Streets.
Alterations to restaurant.
Owner—Schoene & Tiedemann, 33 4th Street.
Architect—Not Given.
Contractor—Mullen Manufacturing Co. 60 Rausch Street.

Contract Awarded.
ALTERATIONS Cost, $1500
SAN FRANCISCO. NE Montgomery and Market Streets.
Alterations to bank building.
Owner—Wells Fargo Union Trust Co., Premises.
Architect—Not Given.
Contractor—MacDonald & Kahn, Ltd. Financial Center Building.

17— THEATRES

Sub-Contracts Awarded.
THEATRE Cast, $50,000
REDDING, Shasta Co., Cal. Market Street between Placer and Sacramento Streets.
Reinforced concrete theatre, store and office building (to seat 1300) heating and cooling systems, automatic water coolers, electric sound equipment, etc.
Owner—T. & D. Enterprises, 25 Taylor St., San Francisco.
Structural Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Contractor—Salih Brothers, 25 Taylor St., San Francisco
Lumber—Diamond Match Co., Chico.
Reinforcing Steel — Soule Steel Co., 1750 Army St., San Francisco.
As previously reported, foundations awarded to J. P. Brennan, Redding.

Sub-Contracts Awarded.
THEATRE Cost, $50,000
ALBANY, Alameda Co., Calif. Kains and Solano Avenue.
One - story motion picture theatre (to seat 750) neon lighted tower, modern sound equipment.
Owner—Phil. A. Frease, 25 Taylor St., San Francisco.
Architect—Wm. I. Garren, 233 Post St. San Francisco.
Contractor—Moore and Roberts, 693 Mission St., San Francisco.
Lumber—Smith Lumber Co., Fourth and Channel Sts., San Francisco.
Plastering — Francis Stephens, 3481 Pierce St., San Francisco.
Plumbing—Minoggio Bros., 2316 Telegraph Ave., Oakland.
Painting—Herb. Pattersfield, 571 4th Ave., San Francisco.
Mill Work—Brannan Street Planning Mill, 560 Brannan St., San Francisco.

TO BE DONE BY DAY'S WORK.
LUALUALEI, T. H.—The Bureau of Yards and Docks has rejected all bids for the construction of a motion picture theatre at Lualualei; Spec. No. 777. Work will be done by the yard's forces. Lowest bid was submitted by Max W. Moosy, Honolulu, at $3,900.

Sub-Contracts Awarded.
THEATRE Cont. Price, $25,958
SALINAS, Monterey Co., Calif. Sausal and Soledad Streets.
One - story reinforced concrete theatre and store building (theatre to seat 600, two stores); auditorium, 50x100 feet, insulation, etc.
Owners—John Peters and Lawrence Borg, Salinas.
Architect—Frederick Meyer, 525 Market St., San Francisco.
Contractor—Harold C. Geyer, 946 Hellam St., Monterey.
Roofing—C. L. Frost, Monterey.
Plumbing—Phillips Heating & Plbg. Co., Salinas.
Sheet Metal—Phillips Htg. & Plbg. Co.
Tile Work—C. L. Frost, Monterey.
Glass—Salinas Planing Mill, Salinas.

18— WHARVES & DOCKS

BIDS OPENED
MARTINEZ, Contra Costa Co., Cal. —Duncanson & Harrelson, 1405 de-Young Bldg., San Francisco, at $37,-612 submitted low bid to Martinez City Council Dec. 12 for construction of the new municipal yacht harbor, including approach trestle 850 feet in length; wharf 250x40 ft.; wood construction, creosoted piling, boat landing facilities, etc.
Bids were taken as follows:
(1) work complete;
(2) 7 breakwater floats;
(3) 7 Navy targets;
(4) add or deduct for lengthening approach trestle, each 15 ft.;
(5) add or deduct for each mooring pile;
(6) add or deduct for each landing float;
(7) deduct if marine railway is omitted;
(8) deduct if 7 pile dolphins are omitted;
(9) deduct if asphalt paving is omitted.
Total bids follow:
(A) Duncanson and Harrelson, San Francisco, $37,612.
(B) Healy-Tibbitts Const. Co., San Francisco, $46,740.
(C) A. W. Kitchen, San Francisco, $48,263.
(D) Bundesen & Lauritzen and Delta Dredging Co., Pittsburg, $48,931.
(E) M. B. McGowan, San Francisco, $56,910.
Complete bids follow:

	(A)	(B)	(C)	(D)	(E)
(1)	$37,612	$46,740	$48,263	$48,931	$56,910
(2)	2,300	.....	3,164	3,198	.....
(3)	1,970	.....	.....	.....	.....
(4)	300	285	383	440	413
(5)	15	25	25	28	31
(6)	41	32	53	80	48
(7)	1,900	1,740	2,700	3,100	2,359
(8)	560	390	500	550	556
(9)	1,200	1,350	1,560	1,300	1,644

All bids held under advisement until December 19, 8 P. M.

CONTRACT AWARDED
SAN FRANCISCO.—Aristo Painting Co., 473 Bryant Street, at $1,235 was awarded contract by State Board of Harbor Commissioners for whitewashing interior of shed and bulkhead building on Pier No. 42.
Complete bids follow:
Aristo Painting Company $1,235
Edwin Anderson 1,760
Patterson Bros., Oakland 2,340
K. C. Shurick 2,500

CONTEMPLATED
SANTA MONICA, Cal.—The Wrigley interests have announced that negotiations are under way with the City of Santa Monica for the construction of a dock at the end of the municipal pier as a terminus for a proposed Catalina - Santa Monica steamship route. If suitable terminal facilities are provided the compny will institute the new service next summer.

Plans Being Completed.
TERMINAL Cost, $——
PORTLAND, Oregon.
Reconstruction of the Oceanic terminal (recently destroyed by fire)
Owner—Oceanic Terminal.
Engineer — W. G. Brown, Concord Bldg., Portland.
Bids will be taken from a selected list of contractors in abount one week. The terminal was insured for $500,000 and adjustments are practically completed.

19—MISC. CONSTRUCTION

BIDS WANTED
SACRAMENTO, Cal.—Until Dec. 27, 8:15 P. M., bids will be received by H. G. Denton, City Clerk, for furnishing 500 watt short wave radio transmitter set for the City of Sacramento. Estimated cost $8,000. Specifications may be obtained from above office.

CONTRACT AWARDED
BEVERLY HILLS, Los Angeles Co, Cal.—Continental Engineering Co., 710 N. Kilkea Drive, Hollywood, has been awarded a contract for mechanical equipment, including filters, pumps, motors, piping and ladders, for a swimming pool under construction in Beverly Hills for J. W. Gilbert. Continental company also has a contract for equipment to be installed in a pool under construction in Beverly Hills for Samuel Goldwyn. Frank Hellenthal, general contractor; Douglas Honnold, architect.

PLANS BEING FIGURED
SANTA MONICA, Los Angeles Co., Cal.—Architects John and Donald B. Parkinson, 808 Title Insurance Bldg., Los Angeles, have prepared plans and are taking bids from a selected list of contractors for a one-, and two-story Class A reinforced concrete publishing building (75x125 ft.) to be erected near Fourth St., and Arizona Ave., Santa Monica, for the Santa Monica Outlook; S. G. McClure, publisher.

CONTRACT AWARDED
SAN FRANCISCO.—A. A. Zelinsky; 3011 Steiner St., at $97.00 awarded contract by Department of Public Works for painting the stack on power house at Larkin and McAllister Streets.
Complete bids follow:
A. A. Zelinsky ..... $ 97.00
G. W. Pettibone 120.00
Thomas Drayage Co. 135.00
Steivener & Baker 150.00

BIDS WANTED
SAN FRANCISCO.—Until Dec. 21, 10:45 A. M., informal bids will be received by the Department of Public Works for moving bungalow from the Burnett School, Newcomb and Lane Streets, to the Horace Mann School,

Bartlett St. near 24th. Bungalow to be placed upon jacks at the Horace Mann School for underpinning.

Further details may be obtained from John T. Burns, Superintendent of Public Buildings, 484 11th Street.

19

Contract Awarded.

TERMINAL Cost, $9000

EUREKA, Humboldt Co., Cal. NE Fifth and D Streets.

One-story frame and stucco stage terminal (waiting room, rest rooms, baggage room, offices and loading terminals).

Owner — Catherine B. Evans Estate, 632 E St., Eureka.

Architect — Newton Ackerman, Eureka.

Lessee—Pacific Greyhound Lines, 6th and Mission Sts., San Francisco.

Contractor—E. S. Mackins, 898 10th St., Eureka.

CONTRACT AWARDED

STOCKTON, Cal.—Fundeson & Lauritzen, P. O. Box 395, Pittsburg, at $4689 submitted low bid and awarded contract by the San Joaquin County Board of Supervisors, Stockton, for the construction of a ferry boat. The Other bids were:

Colberg Boat Works, Stockton, $4734.

General Engineering & Drydock Co., Oakland, $4950.

20—MISC. SUPPLIES AND MATERIALS

CONTRACTS AWARDED

PORTERVILLE, Cal.—United States Pipe & Foundry Co., Monadnock Bldg. San Francisco, at $7,544.32 awarded contract by the Porterville City Council for furnishing cast iron pipe rfo the Water Department.

Rensselaer Valve Co., 65 New Montgomery St., San Francisco, at $647.44 was awarded contract for furnishing valves and the Grinnell Co., Fifth and Brannan Sts., San Francisco, at $425.-70 awarded contract for furnishing hemp and lead.

BIDS OPENED

SAN BERNARDINO, Cal.—Bids for furnishing (1) 800 telephone poles 20-ft. long; (2) 200 poles 25- ft. long, were opened by the U. S. Forest Service, San Bernardino, Dec. 12.

The bids were:

Pan-Pacific Piling & Const. Co., Wilmington: Douglas fir, (1) $4.25; (2) $5.06 fob Wilmington.

Jas. L. Hall, San Francisco, Douglas fir, (1) $2.90; (2) $3.70, fob Dalles, Oregon.

Texas Creosoting Co., Los Angeles: Yellow pine, (1) $2.40; (2) $3.32, fob Houston, Texas.

Graybar Electric Co., Los Angeles: Red cedar, (1) $2.57; (2) $3.07, fob Everett, Wash.

J. H. Baxter & Co., Los Angeles: Cedar poles, total price, fob Pirest River, Idaho, $2270.

Consolidated Lumber Co., Los Angeles: Douglas fir, total price, fob Seattle, $860.

General Electric Supply Corp., San Francisco: Douglas fir, (1) $4.45; (2) $6.70, fob Wilmington.

McCormick Co., Los Angeles: Douglas fir, (1) $2.90; (2) $4.05, fob St. Helens, Oregon.

Bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal.—Sixteen bids for furnishing and fabricating deformed concrete reinforcement bars for orders placed during December, 1934, and during January, 1935, in accordance with the district's Specifications No. M-2033, Bid No. 30170, were opened by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, Los Angeles, Dec. 11.

The items of reinforcement bars and the approximate quantities were grouped into three schedules, as follows:

Schedule 1: For furnishing 15 tons of intermediate grade billet steel bars and for furnishing 1240 tons of hard grade billet steel or rail steel bars.

Schedule 2: For furnishing, cutting and bending 410 tons of intermediate grade billet steel bars.

Schedule 3: For furnishing and fabricating 120 tons intermediate grade billet steel bars into circular hoops.

The bids were identical with certain minor deviations, the variations being shown below, although not all the schedules were bid on by all the dibders. The bidders' names, discounts and deliveries follow:

A. M. Castle Co.: ½ of 1% 10 days. Delivery: Item 1, Schedule 1, 100 tons 7 days; Items 2 to 4, 100 tons 8 days; Items 5, 6 and 7, 40 to 45 days; complete 60 days. Bidding only on Schedule 1.

California Hardware Co.: ½ of 1%, 10 days. Delivery: Items 2 to 4, 100 tons 8 days; 5, 6 and 7, 40 to 45 days; complete 60 days. Bidding only on Schedule 1.

Blue Diamond Corp., Ltd.: ½ of 1% 10 days. Delivery: Item (1) 100 tons, 1 day; (2) (3) and (4) 200 tons 7 days; (6) (6) and (7) 80 tons 11 days. Bidding on Schedules 1, 2 and 3.

Simmons Company of California: ½ of 1% 10 days. Bidding on Items (5) (6) and (7), Schedule 1, only.

Truscon Steel Co.: ½ of 1% 10 days. Delivery: Item (1) 200 tons 2 days; (2) (3) and (4) 100 tons eight days; (5) (6) and (7) 100 tons 16 days. Bidding on Schedules 1, 2 and 3.

Concrete Engineering Co., Inc.: ½ of 1% 10 days. Delivery: (1) 15 tons 1 day; (5) (6) and (7) 80 tons 11 to 13 days; (8) (9) and (10) 35 tons per day; (11) and (1) 11 tons 1 day. Bidding on Schedules 1, 2 and 3.

Los Angeles Iron & Steel Co.: ½ of 1% 10 days. Delivery: Item (1) all in 1 day; (2) (3) and (4) 100 tons 5 days; (5) (6) and (7) 100 tons 14 days; ¾-in. maximum; (8) (9) and (10) 60 tons per day. Bidding on Sch. 1, 2 and 3.

Patten-Blinn Lumber Co.: ½ of 1% 10 days. Delivery: (1) 25 tons three days; (2) (3) and (4) 60 tons 9 days; (5) (6) and (7) 60 tons 18 days, ½-⅝- and ¾-in., over ¾-in. 40 days; (8) (9) and (10) tons per day; (11) and (12) 20 tons per day. Bidding on Schedules 1, 2 and 3.

Security Materials Co. (sales tax days larger sizes. Bidding on Sched-included): ½ of 1% 10 days. Delivery: (1) 15 tons 7 days; (2) (3) and (4) 40 tons 7 days; (5) (6) and (7) 35 tons 14 days for ½- ⅝- and ¾-in., 40 ule 1 only.

Republic Steel Co.: ½ of 1% 40 days; 60 days net. Delivery: Complete in 10 days. Bidding on Schedule 1 only.

Graham Bros.—½ of 1% 10 days. Delivery: (1) 2 days; (2), (3) and (4) 40 tons 8 days; (5), (6) and (7) 40 tons 14 to 21 days. Bidding on Schedule 1 only.

Soule Steel Co.—No discouut stated. Delivery: Item (1) 1 to 3 days; (2), (3) and (4) 100 tons 6 to 7 days; (5), (6) and (7) requirements up to 80 tons per day; 11 to 15 days for first 150 tons; (8), (9) and (10) 50 to 60 tons per day, ship 4 to 5 days; (11) and (12) 20 tons per day, 5 to 6 days after receipt of order. Bidding on Schedules 1, 2 and 3.

Ducommun Corp.—½ of 1% 40 days, 60 days net. Delivery: (1) 100 tons 7 days; (2), (3) and (4) 100 tons 8 days; (5), (6) and (7) 100 tons 3 days after receipt of order. Bidding on Schedule 1 only.

West Virginia Rail Co.—½ of 1% 40 days. Delivery: (5), (6) and (7) 100 tons 3 days after receipt of order. Bidding on Items (5), (6) and (7), Schedule 1 only.

Trojan Steel Co.—½ of 1% 10 days. Delivery: (1) 15 tons 2 days; (5), (6) and (7) 40 tons 2 days. Bidding on Items (1), (5) (6) and (7), Schedule 1 only.

La Clede Steel Co., St. Louis, Mo.—½ of 1% 10 days. Delivery: (1) ship all in 5 days; (2), (3) and (4) 200 tons 7 days; (5), (6) and (7) 200 tons 4 days. Bid based on carload shipment, 80,000 lbs. If small quantities required prices will be adjusted. Bidding on Schedules (1) and (2) only.

The bid of the Knoxville Iron & Steel Co. was not accompanied by the required bid check. The bid, therefor , was not declared.

The prices were:

SCHEDULE 1 — (1a) $52.20, (1b) $54.20, (2a) $53.60, (2b) $55.60, (2c) $57.60, (3a) $52.468, (3b) $54.468, (4a) $51.40, (4b) $53.40, (5a) $50.60, (5b) $52.60, (5c) $54.60, (6a) $49.468, (6b) $51.468, (7a) $48.40, (7b) $50.40.

SCHEDULE 2 — (8a) $57.29 (8b) $59.29 (8c) 61.29, (9a) $60.99, (9b) $62.99, (9c) $64.99, (10a) $58.99, (10b) $60.99, (10c) $62.99; total Schedule 2, $23,597.

SCHEDULE 3 — (11a) $61, (11b) joints 9c, 11c and 13c, (11c) testing, 15c per weld, (12a) $61, (12b) 5¼c, 9c, 15c; total for Schedule 3, $7567.03.

Variations from the prices quoted above were made by the following:

Simmons Co. of California — Items (6a) $49.40, and (6b) $51.47.

West Virginia Rail Co.—Items (6a) $49.4667, and (6b) $51.4667.

LaClede Steel Co. — Item (4a) $55 Lakeview, (4b) $57 Lakeview; Item (7a) $62 Lakeview; (7b) $54 Lakeview

ARISS - KNAPP CO.

CONTRACTORS

STEAM SHOVEL WORK — GRADING
EXCAVATING — MOTOR TRUCKING

Phone PIedmont 0436

961 Forty-first Street - Oakland, Calif.

MACHINERY & MATERIAL

Bid calls for construction machin ery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other p ublic agencies.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until Dec. 26, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing:

(1) 60,000 gals. gasoline, tank car lots, fob Corporation Yard, 22nd and Adeline Sts., Oakland. Price as of December 26.

(2) 10,000 gals. gasoline, tank truck lots, fom Orinda. Price as of December 26.

Specifications obtainable from above office. Informal Proposal No. 567.

SAN FRANCISCO CITY

SAN FRANCISCO.—Until Dec. 28, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for concrete water meter boxes and lids for the San Francisco Department for one year from January 1, 1935.

Specifications and proposal blanks may be obtained from above office.

SAN FRANCISCO. — Until January 4, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, Room 270, City Hall, under Bid No. 1315, for furnishing ¾-inch bronze fittings.

Specifications obtainable from above office.

U. S. POST OFFICE DEPT.

BEVERLY HILLS, Los Angeles Co. Cal.—Until December 26, bids will be received by Purchasing Agent, Post Office Department, Washington, D. C., for furnishing 11 wood slat shades for the Beverly Hills Post Office.

METRO. WATER DIST.

LOS ANGELES, Calif.—Until Dec. 27, 10 A. M., bids will be received by Saul A. Joseph, Purchasing Agent, Metropolitan Water District, 306 W. Third St., Los Angeles, for furnishing sealing compounds and whitewash materials for curing concrete; Spec. No. M-2035; Bid No. 30559.

The items and quantities are:

(1) 40,000 gals. asphalt emulsion;
(2) 140,000 lbs. pre-mix whitewash materials;
(3) 60,000 gals. coal tar pitch emulsion, or
(4) 60,000 gals. coal tar pitch emulsion, cutback.

Certified or cashier's check, 10%. F. E. Weymouth, General Manager and Chief Engineer.

CANAL ZONE

PANAMA CANAL ZONE. — Until December 26, 10:30 A. M., bids will received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., under Schedule No. 3017, for furnishing miscellaneous supplies, including: Structural steel and sash; drainage well pump sunits; combustible - gas indicators; pipe-threading devices; water pipe bends; water gauges; engine lubricators; reamers, twist drills; screw clamps; wrench set; pick mattocks; door locks door knobs; cupboard turns; chair casters; refrigerator casters; hand lanterns; hinges; chain bolts; barrel bolts; file cleaners; file handles; folding rules dry cells; wood battery separators; copper measures; varnish brushes, and oil board, etc.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE. — Until January 2, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Agent, The Panama Canal, Washington, D. C., under Schedule No. 3018, for furnishing main propelling equipment (with auxiliaries) for two diesel-electric tugs, U. S. Arraijan and U. S. Alhajuela. The equipment includes generators, motors, switchboards, pumps, purifiers, steering gears, windlasses and towing machines, etc.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort Mason, San Francisco.

PANAMA CANAL ZONE. — Until December 28, 10:30 A. M., bids will be received by A. L. Flint, General Purchasing Officer, The Panama Canal, Washington, D. C., under Schedule No. 3019, for furnishing miscellaneous supplies, including steel piping, companion flanges, cast iron pipe fittings, flexible joints, check valves, motor-operated valves, locks, liquid door closers, water-closet bowls, urinals, range boilers, cast iron soil pipe, unions, pipe straps, cocks and copper wire nails.

Specifications obtainable from above office and from the Assistant Purchasing Agent, The Panama Canal, Fort

RECLAMATION SERVICE

BOULDER CANYON, Nev. — Until January 21, 2 P. M., bids will be received by the Bureau of Reclamation, Denver, Colo., under Spec. No. 601, for furnishing seven control cubicles with equipment; five excitation cubicles, with equipment; two miniature-type main control boards, with auxiliary equipment; three annunciator systems; four auxiliary control boards, with equipment; two 115-volt, 60-cycle, frequency regulated clock supply power equipments; five battery charging sets; one battery control switchboard; six 250-volt d.c. distribution switchboards; two 460-volt power boards; five 460-volt control boards; five thermal panels; miscellaneous equipment; two 115-volt, a.c. lighting feeder interrupter cubicles, with equipment; and miscellaneous 2,300 - volt and 16,500 - volt switching relaying and metering equipment; all for the Boulder Canyon project. The apparatus will be installed by the Government.

Specifications obtainable from above office without charge to prospective bona fide bidders; to others, $5, not returnable.

NAVY DEPARTMENT

WASHINGTON, D. C.—Bids will be received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for furnishing miscellaneous supplies and equipment, as follows:

VALVES, 40 composition air or steam valves; Mare Island; Sch. 3926; January 4.
HOSE, 3,200 ft. 2½-in. linen fire hose; Mare Island; Sch. 3940; Jan. 4.
LOCOMOTIVE, 1 switching locomotive, Diesel - electric complete; Mare Island; Sch.3933; Jan. 4.
HOSE, 30,000 ft. water hose, ¾-inch; Mare Island; Sch. 3927; Jan. 4.
BUOYS, two steel mooring buoys; Mare Island; Sch. 3921; Jan. 8.
STEEL, corrosion-resisting bar; Mare Island and Puget Sound; Sch. 3934 January 8.
TIN, 180,000 lbs. ingot tin; Mare Island, or fob works; Sch. 900-8068; January 9.

Specifications obtainable from above office.

LOS ANGELES COUNTY

LOS ANGELES, Cal.—Until Jan. 9, 1:30 P. M., bids will be received by the County Sanitation District, 139 N. Broadway, 202 Law Bldg., Los Angeles, for furnishing one 200-hp. gas engine to be operated on sludge gas from the district treatment plant and an 18-in. bottom suction water pump with a capacity of 10,000-gpm against a 60-ft. head.

Specifications will be ready about December 19. A. K. Warren, Chief Engineer.

SAN JOAQUIN COUNTY

LODI, San Joaquin Co., Cal.—Until January 7, 7:30 P. M., bids will be received by the Lodi City Council, J. F. Blakeley, City Clerk, City Hall, Lodi, for furnishing one turbine or other deep well type pump and electric motor complete with 50 feet of column, shafting and bearings, installed in a 20-in. well, within the city.

The pump will be required to operate against a total hydraulic head of 160 feet, and the motor will operate on a three-phase, 60-cycle, 2220 volt circuit with a tolerance of 5% either above or below this voltage.

Further information obtainable from John A. Henning, Superintendent of Public Utilities, City Hall, Lodi. Cash or certified check for $100 must accompany all bids.

WAR DEPARTMENT

FORT MASON, Cal. — Until December 27, 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason, Memo. No. 6504, for furnishing 8000 ft. B. M. Douglas Fir lumber, selected common, random lengths.

Delivery by truck only at Warehouse No. 6, Presidio of San Francisco, before January 15, 1935.

Specifications obtainable from above office.

SAN FRANCISCO CITY

SAN FRANCISCO—Until December 28, 3 P. M., bids will be received by T. A. Brooks, Purchaser of Supplies, 270 City Hall, for furnishing painting, painters' supplies and glass for a term of four months from January 1, 1935. Specifications and proposal blanks may be obtained from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

21.—Bridges
22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
24.—St. Light. Systems
25.—Machinery and Equipment
26.—Railroads
27.—Fire Alarm Sys.
28.—Fire Equipment
29.—Streets & Highways
30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONSTRUCTION STARTED.

SAN JOSE, Santa Clara Co., Cal.—Southern Pacific Railroad will start construction immediately with own forces of a subway grade separation at Willow Street, Chief Engineer W. H. Kirkbride announces. Work will be supervised by H. C. Morrison, resident engineer.

BIDS WANTED

BONNEVILLE, Oregon—Until December 28, 3 P. M., bids will be received by the U. S. Engineer Office, Major C. F. Williams, District Engineer, 306 Customhouse, Portland, under Bid No. 35-351, for the construction of a timber trestle and steel deck plate girder bridge across the lower canal approach to the Bonneville ship lock, consisting of three 17-ft. timber trestle approach spans, two 40-ft. deck plate girder approach spans, a bobtail swing span of 135 ft. overall length and of deck plate girder construction, and electric motors, machinery and circuit for operation of the swing span. The bridge site lies on the Oregon shore opposite the lower end of Bradford Island and adjacent to the powerhouse and ship lock. The work involves:

(1) 65 MFBM timber;
(2) 50 MFBM creosoted ties;
(3) 1300 lin. ft. timber piling below cutoff;
(4) 150 lin. ft. timber piling above cutoff;
(5) 230,000 lbs. structural steel;
(6) 35,000 lbs. counterweight material;
(7) 3400 lbs. forged steel;
(8) 60,000 lbs. cast steel;
(9) 6200 lbs. hot rolled steel;
(10) 2260 lbs. cold rolled steel;
(11) 250 lbs. tool steel;
(12) 17,000 lbs. steel rails;
(13) 2500 lbs. bronze;
(14) 200 lbs. Babbitt metal;
(15) 400 lin. ft. ¾-in. electric conduit, iron;
(16) 700 lin. ft. 1-in. electric conduit, iron;
(17) 540 lin. ft. 1½-in. electric conduit, iron;
(18) 200 lin. ft. 2-in. electric conduit iron;
(19) 150 lin. ft. 3-in. electric conduit, iron;
(20) Lump sum, electrical equipment.

Plans and specifications obtainable from the above office.

BIDS WANTED

THURSTON COUNTY, Wash.—Until January 3, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading about 1.7 miles and constructing channel change and timber bridges, State Road No. 1, Olympia to Nisqually, Section 2, U.S.P.W. Project 171-C, in Thurston County.

The work involves about 23 acres clearing; 702,720 cu. yds. excavation; 273 cu. yds. concrete; 108 M.B.M. timber and plank; 8160 lin. ft. timber piling; 513 lin. ft. pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

LEWIS COUNTY, Wash. — Until January 4, 10 A. M., bids will be received by the Bureau of Public Rds., 316 New Post Office Bldg., Portland, W. H. Lynch, District Engineer, for the construction of a three-span continuous reinforced concrete bridge over Laughing Water Creek, Mt. Rainier National Park, East Side Highway. Project NR-5-A, located within the Mt. Rainier National Park, Lewis County, Washington. The length of the bridge is 233.88 feet and the work involves:

(1) 4050 cu. yds. unclass. excav.;
(2) 18,000 sta. yds. overhaul;
(3) 830 cu. yds. class A concrete;
(4) 905 cu. yds. Class D concrete;
(5) 105,000 lbs. reinf. steel;
(6) 25,000 lbs. structural steel;
(7) Lump sum removal of detour bridge and maintenance of traffic.

Plans and specifications obtainable from above office upon deposit of $10.

BIDS WANTED

SHASTA COUNTY, Cal.—Until Jan. 9, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for the construction of an overhead crossing over the tracks of the S. P. Co. at Redding, Shasta Co., consisting of one 40-ft. steel girder span, two 30-ft. steel girder spans on concrete piers, and approximately 237 feet of timber trestle approaches.

The work involves:

(1) 600 c.y. structure excavation;
(2) 580 c.y. Class A Portland cement concrete;
(3) 52 c.y. Class B do;
(4) 58,000 lbs. bar reinf. steel;
(5) 76,000 lbs. structural steel;
(6) 41 MFBM redwood timber, dense, select, all-heart, struc. grade;
(7) 41 MFBM redwood timber, select, do;
(8) 674 l.f. timber railing;
(9) 2 each electroliers;
(10) 1 lot misc. items of work.

Plans and specifications obtainable from the above office and on file at the office of the District Engineer in San Francisco and Los Angeles, and the district in which the work is situated.

CAPITAL CITY TITLE COMPANY

J. C. PALEN, *Manager*

914 Seventh Street

Sacramento :: California

CONTRACT AWARDED

FRESNO COUNTY, Cal.—Wm. C. Horn Co., 465 E. Holt Ave., Pomona, at $66,813.74 awarded contract by the State Highway Commission, Sacramento, for the construction of a steel beam bridge with concrete piers and abutments, and about 1.2 miles of roadway approaches to be graded and surfaced with bituminous treated crushed gravel or stone, all in Fresno County.

FUNDS ALLOTTED.

SAN FRANCISCO. — Reconstruction Finance Corporation has authorized a loan of $15,000,000 to California Toll Bridge Authority for construction of railway for electric trains on the San Francisco-Oakland Bay Bridge and for terminal facilities. The loan authorizes expenditure of $5,000,000 remaining unallocated from original RFC authorization of $61,400,000 for construction of the bridge and $10,000,000 in additional funds. The loan is granted subject to satisfactory contracts with companies operating the rail facilities for collection of tolls to amort. the loan.

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

LOS ANGELES, Calif.—Until Dec. 24, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors, for the construction of Unit No. 8, San Gabriel River Outlet.

The work involves:

(1) 203,000 c.y. excavation;
(2) 34,000 tons furnishing and placing riprap;
(3) 4,200 l.f. constructing railroad tracks on tops of levees;
(4) 27.5 MFBM lumber for constructing two timber bulkheads.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway.

Mame B. Beatty, Clerk of the Board, Hall of Records.

AUDITOR CITED

LONG BEACH, Cal.—In the case of the Naples Canal project, the State Supreme Court has issued an alternative writ of mandate returnable January 8 in San Francisco, citing the county auditor to show cause why he should not honor Long Beach City's demand for payment of the first installment of the $100,000 allocation by the Board of Supervisors for the repair of the Naples canal walls.

ALLOTMENT APPROVED

STATE OF OREGON—The War Department Engineers have approved an allotment of $600,000 for improvement of the South Jetty at the entrance to the Columbia River. The jetty will be raised for a length of 4000 feet to give better channel protection.

BIDS WANTED

LOS ANGELES, Calif.—Until Dec. 24, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors, for the construction of a pile and wire revetment on the north bank of Rio Hondo above Foster Bridge Blvd., involving:

1300 l.f. pile and wire revetment.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway.

Mame B. Beatty, Clerk of the Board, Hall of Records.

FUNDS APPROVED

SEAL BEACH, Cal.—A loan and grant of $82,000 to the City of Seal Beach for the construction of a riprap breakwater has been approved by the PWA, Washington, D. C. The proposed breakwater or jetty will extend approximately 1400 ft. from Seaiway Drive, between Neptune and Electra Aves. Victor Hayes, 302 Anaheim St., Long Beach, is the engineer.

BIDS WANTED

LOS ANGELES, Calif.—Until Dec. 24, 2 P. M., bids will be received by the Los Angeles County Board of Supervisors for the construction of pile and wire revetments on the Los Angeles river from Victory Blvd. downstream.

The work involves:
(1) 16,000 l.f. of revetment;
(2) 1,200 l.f. of revetment;
(3) 750 l.f. of groin.

Samuel M. Fisher, Los Angeles County Flood Control Engineer, 205 S. Broadway.

Mame B. Beatty, Clerk of the Board, Hall of Records.

COMPLETE BID LISTING.

GOVERNMENT ISLAND, Cal.—B. C. Gerwick, Inc., 112 Market Street, San Francisco, at $239,017 submitted low bid, as previously reported, to the U. S. Coast Guard, Washington, D. C., for the construction of a steel sheet pile bulkhead, approx. 1,528 feet in length; boat basin, launchway, timber and concrete anchorages, etc., at the Coast Guard Base 11, Government Island.

Bidders follow:
(A) Ben C. Gerwick, San Francisco
(B) Schuler & McDonald, Inc., Oakland.
(C) Clinton Const. Co., San Francisco.
(D) Bridge Builders, Inc., S. F.
(E) Duncanson-Harrelson Co., San Francisco.
(F) Merritt-Chapman & Scott, San Pedro.
(G) A. W. Kitchen, San Francisco.
(H) Healy-Tibbitts Const. Co., San Francisco.
(I) San Francisco Br dge Co., San Francisco.
(J) Bodenhamer Const. Co., Oakland.
(K) M. B. McGowan, San Francisco.

Complete bids follow:

	Days	(1)	Alt. 1 D'ys	Alt. 2 D'ys
(A)	200	$239,017	$ 9,300 20	$3,000 10
(B)	190	248,971	9,949 30	5,643 30
(C)	240	250,000	9,000 20	4,000 15
(D)	210	251,500	8,175	3,500 5
(E)	250	254,018	8,972 10	4,737 8
(F)	180	256,729	9,157 10	4,533 10
(G)	273	257,800	10,784 20	5,406 7
(H)	330	262,600	9,400 20	5,000 8
(I)	300	274,700	13,000 15	5,000 10
(J)	200	282,500	10,748 20	5,114 10
(K)	300	290,000	10,000 30	5,000 15

Alternate 1 is an addition and Alternate 2 a deduction.

All bids held under advisement.

22

BIDS OPENED

NEWPORT BAY, Calif. — Standard Dredging Co., Central Bldg., Los Angeles, at $879,255 submitted low bid to U. S. Engr. Office, Los Angeles, Dec. 17, for dredging and rock removal at Newport Bay.

The work involves:

Sections A, B, C D and E: 8,127,000 c.y. dredging and depositing of all materials except ledge rock;

Section E: 6,480 c.y. excavating and depositing ledge rock.

Complete bids follow:

Standard Dredging Co., Los Angeles, (Sections A, B, C, D and E) $.105; $853,335; (Section E) $4.00; $25,920.00. (Total $879,255.00.

Hydraulic Dredging Co., Oakland. (Secs. A, B, C, D, and E) $.1183; $961-424.10; (Section E) $6.00; $38,880.00; (Total) $1,000,304.10.

Engineer's estimate, (Sects. A, B, C, D and E) $.0895; $727,528.07; (Sec. E) $3.40; $22,032.00; (Total) 1749,560.07.

Al bids held under advisement.

23— IRRIGATION PROJ.

ELECTION

SANTA CLARA COUNTY, Cal.—Board of Supervisors has set January 22 as date for special election to vote on proposal for creating LLagas-Uvan Water Conservation District comprising 36,000 acres of southern Santa Clara County. District plans construction of water conservation system. Sydney Johnson, Gilroy, is attorney for proponents of district.

BIDS OPENED

MODESTO, Cal.—Pacific Constr. Co. 334 Stockton St., San Francisco, at 90 cents per yard, total, $7650 submitted the only bid to the Modesto Irrigation Disrict, C. S. Abbott, Secretary, for the construction of a rock cut along the Main Canal of the District, involving the removal of about 8500 cu. yds. of rock.

Bids held under advisement until December 19

COMPLETE BIDS.

OWYHEE PROJECT, Oregon-Idaho. —J. A. Terteling & Sons, Boise, Ida., at $123,894, as previously reported, submitted low bid to the Bureau of Reclamation, Ontario, Oregon, Dec. 3, under Spec. No. 600, for the construction of earthwork and structures, North Canal, Station 2283 to Station 3703, Dead Ox Flat Division, Owyhee Project.

Complete bids follow (Schedules 1, 2 and 3).

J. A. Terteling & Sons, Boise (will accept all schedules or none) $123,894.

Morrison - Knudsen Co., Boise, (if awarded all schedules, deduct $4,500; 1 and 3 deduct $3,000; 1 and 2 deduct $2,000; 2 and 3 deduct $1,500) $140,-844.50.

R. F. Nichol, Vale, Ore. (Schedule No. 2) $18,298.

John Klug, Nyssa, Oregon(Schedule No. 2) $21,955.

Haas, Doughty & Jones and Marshall & Stacy, San Francisco (will not accept Schedule No. 1 without No. 3 and will not accept No. 2 alone) $167,012.

Parker-Schram Co., Portland (will not accept Schedule No. 2 alone) $179-992.00.

Barnard - Curtiss Co., Minneapolis, $192,668.50.

Guthrie - McDougall Co., Portland, (will accept all three schedules only) $209,582.50.

Dunn & Baker, Klamath Falls, Ore. $222,873.50.

CONTRACT AWARDED

ASHUELOT, Mont.—Tomlinson Arkwright, Great Falls, Mont., at $44,847 awarded contract by the Bureau of Reclamation, Fairfield, Mont., under Spec. No. 596, for the construction of earthwork and structures, Mill Coulee Canal, Station 326 to Station 564, and laterals and sub-laterals, Greenfields Division, Sun River Project, Montana. The work is located near Ashuelot.

24— STREET LIGHTING SYSTEMS

PLANNED

PALO ALTO, Cal.—Board of Public Works is making survey of contemplated extensions to street lighting system, including additional bracket lights and installation of electroliers.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

EUREKA, Humboldt Co., Calif.—Wm. Hess, Weott, at $3.125 per hour, submitted low bid to the Department of Public Works, Division of Highways, J. W. Vickrey, District Engineer, Eureka, for the rental of one track - laying type tractor equipped with a bull-dozer, for approximately 700 hours. The equipment is to be used in the vicinity of Crescent City on the Redwood Highway in Der Norte County.

Complete bids follow:

Wm. Hess, Weott	$3.125
E. B. Bishop, Crescent City	3.50
Guerin Bros., Alton	4.10
E. E. Lowell, Vallejo	4.48
Hemstreet & Bell, Marysville	5.20

Bids held under advisement.

CONTRACT AWARDED

LOS ANGELES, Cal.—Pennsylvania Transformer Co., 140 N. Sycamore Ave., Los Angeles, at $1,456.80 was awarded contract by the U. S. Indian Irrigation Service, Los Angeles, for furnishing 12 distribution type 10 K.V.A. single phase, 60 cycle, 6900/11,950 Y volts to 460/230 volts, complete with oil, for San Xavier F. P. 200, Tucson.

BIDS POSTPONED.

LUALUALEI, T. H.—Until Jan. 23, 11 A. M., date postponed from Dec. 26, previously reported; bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 7801, for motor and hand operated winches for antennas at the Naval Radio Station, Lualualei, T. H. Estimated cost $25,000.

Lists of prospective bidders published October 16, 19, 26 and November 2, 12 and 20.

BIDS POSTPONED.

SUMMIT, C. Z.—Until January 23, 11 A. M., date postponed from Dec. 26, previously reported; bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under Spec. No. 7800, for motor and hnd operated winches for antennas at the Naval Radio Station, Summit, C. Z. Estimated cost, $20,000.

CONTRACT AWARDED

LODI, San Joaquin Co., Cal.—Lowen Motor Co., 29 W. Locust Street, Lodi, at $3,013.35 awarded contract by the Lodi City Council for furnishing three trucks and bodies for the City.

BIDS OPENED

SAN FRANCISCO.—W. R. Barbee, Ben Lomond, at $1.45 per hour, hand loading, and $1.59 per hour, power loading, submitted low bid to the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, State Bldg., San Francisco, for the rental of one pneumatic tired dump truck for approximately 1,000 hours, to be used in Contra Costa County.

The other bids were:

$1.50 per hour, hand loading, and $1.64 per hour, power loading: Jerry Taylor, Oakland.

$1.50 per hour, hand loading and $1.77 per hour, power loading: Joe Cunha, Hayward; S. A. Meimbecker, Los Angeles; Frank O'Shea, S. F.; J. T. Thornton, Fairfax; M. Bertoline, S. F.; K. P. Lancaster, L. A.; H. E. Von Kruze, Monte Rio; R. L. Miller, Oakland; H. Sand, San Jose;

L. Green, Oakland; H. K. Smith, Roscoe; L. F. Chamberlain, Van Nuys; J. S. Hocking, Daly City; W. W. Hichiss Oakland; L. Dorton, San Bernardino; Perry Brown, Alameda; H. J. Kehres, Pasadena; Fred McCoy, Downey; E. L. O'Reilly, San Luis Obispo; Epperson Drayage Co., Woodland; E. Della Rosa, Martinez; O. DeShon, Hayward Harry Liss, S. F.; Max Rosenberg, S. F.; T. T. Law, S. F.; H. O. Claybrook, Pasadena; L. Ruhenstein, Oakland; G. Wigginton, Hayward; L. C. Smith, Burlingame; W. H. Goodsill, San Leandro; Bruno Skibo, Oakland; Joe Erickson, Oakland; Dan T. LaPaugh, Oakland; S. Bowman, Oakland; M. L. Puerta, Oakland; Dan Gallagher, S. F.; L. J. Blewett, L. A.; Garcia Const. Co., Irvington; Hayward Bldg. Materials Co., Hayward; L. Burkholder, Oakland; H. G. Miller, Oakland; L. M. Clough, Oakland; San Bruno Feed & Fuel, S. F.; A. Texiera, Oakland; Truck Cont. and Equip Co., Oakland; R. H. Wood, Oakland; C. A. Phillips, Oakland; N. H. Reynolds, Alameda; H. E. Maltby, San Luis Obispo; A. Walgren, Oakland; Rock & Gravel Truck Co., Oakland; F. Mulineaux, Oakland; R. G. Weir, Biggs; A. L. Philbrick, Oakland; L. E. Slawter, L. A.; R. B. Harvey, Oakland; Hayward Bldg. Supply Co., Hayward; F. Stube, Pasadena; E. M. Roach, Oakland V. S. Bosen, Hollywood; A. A. Abercrombie, Whittier; N. P. Van Volkenburg, Los Angeles; J. Leonard, Oakland; H. J. Currier, San Leandro; C. H. Sperring Whittier; F. Totten, Oakland; K. I. Dowdy, Oakland; R. E. Thompson, Oakland, and C. L. Jordon, Belmont.

$1.50 per hour and $1.75 per hour: James Acker, Oakland.

$1.53 and $1.66; Oka Steward, Topango.

$1.55 and $1.82: Barney Truck Co., Willitts.

$2.27 and $2.55: Walter Arnold, San Francisco.

$2.50 and $2.50: Benjamin Manuel, San Diego.

Bids held under advisement.

26— RAILROADS

FORCE ACCOUNT

SAN JOSE, Cal.—Removal of approximately nine miles of abandoned street car rails and repaving of right-of-way has been approved as SERA project. Work will be supervised by City Engineer, W. L. Popp. Estimated cost, $73,513. The city will furnish materials to cost $28,502.

28—FIRE EQUIPMENT

BIDS OPENED

SACRAMENTO, Cal.—Following bids received by Sacramento City Council December 13, for furnishing one squad wagon for Fire Department, equipped with booster pump:

Seagrave Co., San Francisco, $11,810.88; alternates, $10,860.88 and 59,810.88.

American La France, San Francisco $10,164.71; alternate, $9,814.95.

Mack International Truck Corp., Sacramento, $10,545.71.

Bids held under advisement.

30—RESERVOIRS & DAMS

BIDS WANTED

TUCSON, Arizona—Until December 27, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Tucson-Nogales Highway, NRH 29, AFE 8930. The work, which is to begin at the south city limits of Tucson and extend south about 1.2 miles, consists of widening and resurfacing on existing concrete pavement with cut - back asphaltic plant mix and is to be completed on or before March 31, 1935. The work involves:

(1) 2300 cu. yds. imported borrow CIP
(2) 64 M. gallons spinkling;
(3) 90 hours rolling;
(4) 11,640 lin. ft. combined curb and gutter;
(5) 11,640 lin. ft. formation and finishing shoulders;
(6) 80 lin. ft. 18-in. CMP;
(7) 236 tons cutback asphalt;
(8) 4460 tons plant mix;
(9) 270 cu. yds. screenings.

Certified check, 5%. T. S. O'Connell, State Highway Engineer.

Specifications obtainable from the above office.

BIDS WANTED

ARIZONA STATE—Until December 27, 10 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for construction on the Ashfork-Kingman Highway, NRH 80-G, AFE 6626. The work, which is to begin at Kingman and extend northwesterly approximately 23.6 mi. to within 2 miles of Hackberry, consists of the furnishing, hauling, and placing of base course and is to be completed on or before April 15, 1935. The work involves:

(1) 24,700 cu. yds. aggregate base course;
(2) 89,100 cu. yds. mi. aggregate base couree haul.

Certified check, 5%. T. S. O'Connell, State Highway Engineer.

Plans and specifications obtainable from above office.

BIDS OPENED

SAN FRANCISCO.—Daniel C. McCabe, 74 New Montgomery Street, at 22c per square foot, total $1,760, submitted low bid to the Department of Public Works, City Hall, for the improving of Lombard Street and others. The work involves 8,000 sq. ft. one-conse concrete sidewalk.

E. J. Treacy, Call Bldg., at 28c per sq. ft., total $2,240 submitted the only other bid.

Bids held under advisement.

FUNDS ALLOTTED.

NEW MEXICO STATE.—Allotment to the Bureau of Reclamation of $100,000 additional for the Caballo Dam on the Rio Grande in New Mexico has been announced by Public Works Administrator Harold L. Ickes. The additional allotment is to make provision for raising the dam at a later date to make possible the development of power at the Elephant Butte Dam which is above the Caballo Dam.

The Caballo low dam is being built with PWA funds allotted to the International Boundary Commission, U. S. and Mexico, for rectification of the Rio Grande in El Paso and Hudsepth Counties, Texas, and the dam and reservoir in Sierra County, New Mexico. It has been estimated that the low dam will cost approximately $1,500,000 and the high dam approximately $1,000,000 more. The allotment announced recently is for foundations, making it possible to increase the height of the dam in the future if so desired. The low dam will provide a reservoir storage of 100,000 acre-ft. and the high dam 350,000 acre-ft. The Elephant Butte Dam is now utilized for irrigation, but if at a later date it is decided to develop power at Elephant Butte it will be necessary to build a higher dam at Caballo. In this event the Caballo reservoir will supply the water for irrigation and the Elephant Butte reservoir the water for power.

The resolution authorizing the additional $100,000 for the Caballo project provides that the money shall be repaid to the Government from revenues from the sale of power developed at Elephant Butte at such time as revenues obtained will permit.

NOTICE TO BIDDERS.

STATE OF CALIFORNIA.—C. H. Purcell, State Highway Engineer, has announced the cost of blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plane showing the general location of the work will be furnished free with the Special Provisions. Blue prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento December 26 and Los Angeles December 27:

V-Mon-56-D Bridge across Burno Creek south of Monterey, to be opened in Sacramento: PLANS (No. of Sheets) 10; (Cost) $1.00; CROSS-SECTIONS: (No. of Sheets) none; total, $1.00.

VII-L.A-26-Mon-P in Monterey Pk., to be opened in Los Angeles: PLANS: (No. of Sheets) 13; (Cost) $1.30; CROSS-SECTIONS: (No. of Sheets) 31 (Cost) $3.10; total, $4.40.

Checks for the above should be made payable to the Department of Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

ENGINEER RETAINED.

LOS ANGELES, Cal.—C. H. Howell, Chief Engineer for the Rio Grande Reclamation project, has been retained by the Los Angeles County Board of Supervisors for a period of two and one-half days to give an engineering opinion on the re-designing of San Gabriel Dam No. 1.

ENGINEER APPOINTED

SANTA CLARA COUNTY, Cal.—The Santa Clara Valley Water Conservation District has appointed Harold I. Wood as field supervising engineer under Chief Engineer Fred H. Tibbetts.

31—PIPE LINES & WELLS

PROSPECTIVE BIDDERS

LOS ANGELES, Cal.—Following are additional plan-holders for the construction of the Big Morongo and San Andreas siphons of the Colorado River Aqueduct under Spec. No. 84, for which bids will be opened by the Metropolitan Water District, 306 W. Third St., Los Angeles, January 7, 10 A. M., as previously reported:

Fidelity & Deposit Co. of Maryland, 405 Montgomery St., San Francisco.

Harry Hilp, 918 Harrison St., San Francisco.

Southwest Welding & Mfg. Co., 3201 W. Mission Road, Los Angeles.

Sander Pearson, C. O. Sparks, and Mundo Engineering Co., 2309 E. 9th St., Los Angeles.

Geo. J. Bock Co., 1007 S. Harbard Blvd., Los Angeles.

United Concrete Pipe Corp., 1347 W 208th St., Los Angeles.

CONTEMPLATED.

PALO ALTO, Santa Clara Co., Cal.—City Engineer J. F. Byxbee is preparing estimates on construction of supply main connecting with the Bay Crossing pipe line of San Francisco water system near Dumbarton Point and extending about one and one-half miles to connect with mains in the city. Estimated cost, $100,000. Palo Alto city officials have started tentative negotiations with San Francisco Water Department for purchase of water from the Hatch Hetchy supply.

32—SEWERS & SEWAGE DISPOSAL PLANTS

ALLOTMENT RESCINDED.

PETALUMA, Sonoma Co., Calif.—The Federal Public Works Administration has cancelled a loan and grant of $325,000 allotted to the City of Petaluma for the construction of a sewer system due to failure of the City to approve a bond issue as security for the loan.

CONTRACT AWARDED

LOS ANGELES, Cal.—L. W. Odell, 6417 Drexel Ave., Los Angeles, at $18,994 awarded contract by the Los Angeles Board of Public Works for the construction of decanters, foundations, Venturi flume, drainage sump and roadway at the Terminal Island sewage treatment plant, PWA project 5633, Unit No. 7.

CONTRACT AWARDED

LOS ANGELES, Cal. — Fred E. Greenfield Co., 7310 S. Figueroa St., Los Angeles, at $12,884 awarded contract by the Los Angeles Board of Public Works for the construction of the Harbor Blvd. sewage pumping plant at San Pedro, PWA Project 5633, Unit No. 4a.

FUNDS ALLOTTED

CARPINTERIA, Cal.—The Federal Public Works Administration has allotted .o the City of Carpinteria a grant of $8000 to finance the completion of the district sewer system started several years ago. Fred L. Johnson, 23 W. Figueroa St., Santa Barbara, is the engineer

BIDS WANTED

BURLINGAME, San Mateo Co., Cal—Until January 7, 8 P. M., as previously reported, bids will be received by the Burlingame City Council for construction of a sewage disposal plant to be located in the bay about ½ mile from shore near the end of Broadway, and intercepting sewers. Estimated cost, $147,000.

The work includes the following items:

INTERCEPTING SEWERS

(1) 549 cu. yds. trench excavation 6 feet deep and under;
(2) Furnishing sewer pipe at trench side:
(a) 40 ft. 4-in. vitrified clay pipe
(b) 60 ft. 6-in. do;
(c) 2520 ft. 8-in. do;
(d.. 1934 ft. 12-in. do;
(e) 690 ft. 15-in. do;
(f) 24 ft. 21-in. do;
(g) 997 ft. 24-in. do;
(h) 4105 ft. 27-in. do;
(i) 44 ft. 36-in. do;
(j) 38 only 8 x 4 wyes.
(3) 4100 ft. excavation concave bed;
(4) 7789 cu. ft. concrete mat Class C concrete;
(5) 36 manhoies constructed complete
(6) 600 sq. ft. replace concrete sidewalk,
(7) 120 sq. ft. asphalt pavement;
(8) 3480 sq. ft. bituminous macadam.

RELIEF STATION

(9) Steel manhole cover and frame, steel hatch plate and frame, pressure manhole cover and frame, steel sliding door, steps, miscellaneous pipe and fittings;
(10) Pumps and motors complete;
(11) Electrical equipment.

SEWAGE PUMPING PLANT

(12) Building;
(13) Miscellaneous metal work;
(14) Pumps and motors, etc.

FORCE MAIN

(15) 1378 ft. cast iron force main, Class A;
(16) 5500 ft. B. M. furnishing creosoted fir piles;
(17) 1278 ft. 4-in. cast iron water pipe
(18) 2016 ft. driving piles.

CLARIFIERS AND CONTROL BUILDING

(19) 2385 cu. yds. excavation;
(20) 1200 cu. yds. backfill;
(21) 56 piles with two attachments each;
(22) 381 cu. yds. concrete;
(23) 42,000 lbs. reinforcing steel;
(24) Miscellaneous metal; angle iron plates and bolts, I-beams, manhole covers and steps; weirs, steel sash, chimney, carpentry, brickwork, roofing, sheet metal, electric wiring and fixtures.
(25) Digester gas and heating equipment;
(26) Gas holder;
(27) Gas engine and appurtenances.

DIGESTER

(28) 1300 cu. yds. excavation;
(29) 51 piles and attachments for ea.
(30) 226 cu. yds. concrete;
(31) 32,085 lbs. reinforcing steel;
(32) 18,932 lbs. special band steel, including turnbuckles and levers;
(33) Miscellaneous metal.

DOWNS COVER DESIGN

(34) 1620 cu. yds. excav. and backfill;
(35) 54 piles and attachments;
(36) 264 cu. yds. concrete;
(37) 29,720 lbs. reinforcing steel;
(38) 17,525 lbs. special band steel, including turnbuckles and levers;
(39) Miscellaneous metal.

SLUDGE DRYING BEDS

(40) 860 cu. yds. excavation;
(41) 1728 ft. 4-in. tile drain;
(42) 152 ft. 6-in. vitrified tile interceptor drain;
(43) 2 industrial cars;
(44) Track rails, metal ties, frogs, etc., complete.
(45) 817 cu. yds. sand and rock.

ROADWAY AND WALKS

(46) 5570 sq. ft. road;
(47) 1680 sq. ft. walks.

GRADING ROADWAY AND GENERAL FILL

(48) 26,000 cu. yds. disposal of overburden;
(49) 70,000 cu. yds. dredger fill;

Plans and specifications obtainable from City Engineer Chas. M. Thomas upon deposit of $10.

33— WATERWORKS

BIDS WANTED

LYNWOOD, Cal.—Until December 18, 8 P. M., bids will be received by Lynwood City Council for furnishing pipe and fittings as follows:

Item No. (1), Class 150, cast iron water pipe in accordance with Federal Specifications No. WW-P 421 for the following quantities:

(a) 2500 lin. ft. 6-in. cast iron water pipe;
(b) 1550 lin. ft. 8-in. cast iron water pipe;
(c) 3300 lin. ft. 12-in. cast iron water pipe.

Item No. (2), 4000 lin. ft. ¾-inch copper service tubing in 60-ft. coils.

All pipe shall be delivered f.o.b. Lynwood, within 40 days after award of contract.

All bids shall be accompanied by a certified check or bond to the amount of 10% of the entire cost of materials in favor of the City of Lynwood. R. W. Anderson, City Clerk.

BIDS WANTED

TORRANCE, Los Angeles Co., Cal.—Until January 8, 5 P. M. (to be opened at 8 P. M., bids will be received by the Torrance City Council for the construction of a 250,000-gal. elevated steel tank and a 150-ft. steel tower on a tract of land west of Cedar Avenue and north of Torrance Blvd. Specifications are being prepared by F. B. Leonard, City Engineer. Certified check for 10% must accompany each bid. A. H. Bartlett, City Clerk.

PLANS COMPLETED

EUREKA, Humboldt Co., Cal.—Plans and specifications for the construction of the Eureka water supply system are being completed by C. C. Kennedy, Call Bldg., San Francisco, and bids probably will be asked within six weeks. The project includes construction of concrete arch dam on Mad River and about twenty miles of conduit to the city. City funds and PWA grant totaling $1,224,000 available.

34— PARKS & PLAYGROUNDS

PLANNED

SEATTLE, Wash. — A three-year betterment program for city parks has been outlined by City Engineer Thomas Beeman, Projects include:

Lake Washington boulevard, Wetmore slough bridge, $12,000; Seward park comfort station, $4500; West Side park, grading, water and drains, comfort station, planting, $9500; Lincoln park, tennis courts, pool, $58,000; Kinnear park, tennis courts, $4000.

Magnolia boulevard, surfacing, $5,000; Woodland park zoo, $10,000; Mount Baker park, tennis courts, $8000; Jefferson park golf clubhouse, $40,000; Hiawatha playfield, replacing wading pool, $5000; Brighton playground, general improvements, $5000.

Woodland park playground, water system, $5000; running track, $750; South Park playground, new fence, $1200; Pritchard Island beach, bathhouse and equipment, $4000; Alki Beach, fill and new walk, repairing building, remodeling same into lounge, railing along promenade, $3800; Rainier Beach playground, drainage and water system, $4000; Rainier fieldhouse, addition, $40,000.

Highland playground, shelter house, tennis court, wading pool, water and drains, planting and seeding, $23,000.

Broadway playground, drainage and water, resurfacing ball field, wading pool, retaining wall, regrading children's field, shelter house, lights, $62,700; Washington playground, drainage and fence, $3500; Cascade ploygraund, wall and fence, shelter house, equipment, $8750; Maple Leaf playground, tennis courts, $4500.

Beacon hill playground, tennis courts pool, equipment, $8000; Georgetown playground, wading, pool, $4000; Jefferson Park playground, tennis courts, equipment, $4600.

All projects are eilgible for federal aid.

29—STREETS AND HIGHWAYS

BIDS WANTED

DOUGLAS COUNTY, Nevada—Until December 29, 10 A. M., bids will be received by the Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for grading, surfacing and erecting a timber bridge in Douglas County from 4 miles south of Minden to the State Line, a length of 3.86 miles, U.S.P.W. Project NRS 122-MB. The work involves.

(1) Lump sum, remove bridge;
(2) 23,430 lin. ft. remove fence;
(3) 78 lin. ft. remove culvert pipe;
(4) 46 cu. yds. remove conc. culverts
(5) 33,300 cu. yds. roadway excav.;
(6) 7482 sta. yds. overhaul;
(7) 18,502 cu. yds. select borrow;
(8) 16,070 cu. yds. imported borrow;
(9) 1050 cu. yd. structure excavation
(10) 3.85 mi. subgrade;
(11) 3.86 mi. finishing roadway;
(12) 13,000 tons crushed gravel or stone surface;

(13) 107 cu. yds. Class A concrete;
(14) 90 cu. yds. Class B concrete,
(15) 12,000 lbs. reinforcing steel,
(16) 35.4 MFBM redwood;
(17) 1008 lin. ft. treated piles,
(18) 36 drive treated piles;
(19) 21 cu. yds. cement rubble masonry;
(20) 1406 lin. ft. 18-in. CMP;
(21) 1256 lin. ft. 24-in. C.M.P.;
(22) 250 lin. ft. 30-in. C.M.P.,
(23) lin ft. 36-in. C.M.P.;
(24) 88 lin. ft. 24-in. C. M. siphon pipe;
(25) 106 lin. ft. 30-in. C.M. siphon pipe;
(26) 30 cu. yds. handlaid riprap,
(27) 16 each. monuments;
(28) 41,141 lin. ft. construct fence;
(29) Lump sum, move power line,
(30) 118 lin. ft. 3-in. sewer pipe;
(31) 332 lin. ft. remove and relay sewer pipe;

Plans and specifications obtainable from above office upon deposit of $5, of which $2.50 is returnable.

BIDS WANTED

AMADOP COUNTY, Cal. — Until January 2, 2 P. M., bids will be received by the State Highway Commission, Sacramento, for about 1.5 mile of grading and surfacing with bituminous treated crushed gravel or stone, road mixed, in Amador County, between Martell and Jackson.

The work involves:
(1) 21 each trees, removed and disposed of;
(2) 34,000 cu. yds. rdwy. excav. unclass.;
(3) 110,000 sta. yds. overhaul;
(4) 8000 cu. yds. imported borrow;
(5) 2000 cu. yds. structure excav.;
(6) 5 cu. yds. concrete, removed and disposed of;
(7) 60 cu. yds. Class A Portland cement concrete (structures);
(8) 1600 lbs. bar reinf. steel (structures);
(9) 920 cu. yds. salvaged surfacing;
(10) 430 lin. ft. 8-in. C.M.P.;
(11) 1018 lin. ft. 18-in. C.M.P;
(12) 58 lin. ft. 30-in. C.M.P.;
(13) 136 lin. ft. 30-in. C.M.P., close riveted and soldered;
(14) 742 lin ft. culverts, remove and salvage;
(15) 8 each conc. joints, pipe culverts
(16) 2 each cast steel frames and covers for drop inlets;
(17) 1080 M. gals. water;
(18) 3850 cu. yds. untreated crushed gravel or stone base;
(19) 2350 cu. yds. crushed gravel or stone (bituminous treated surfacing);
(20) 165 tons cutback asphalt (do);
(21) 1.55 mi. mixing cutback asphalt and crushed gravel or stone;
(22) 55 cu. yds. rubble masonry;
(23) 21 tons fuel oil;
(24) 850 lin. ft. laminated timber guardrail;
(25) 2.55 mi. new property fence;
(26) 20 each fence gates, complete in place;
(27) 80 stations finishing roadway;
(28) 43 each monuments complete in place.

Plans and specifications obtainable from above office, and on file at the office of the District Engineer in San Francisco, Los Angeles, and the district in which the work is situated.

BIDS WANTED

COLUMBIA and Washington Cos., Ore.—Until Dec. 20, 9 A. M., bids will be received by the Oregon State Highway Commission, R. H. Baldock, State Highway Engineer, Auditorium, third floor, Public Service Bldg., Portland, for the construction of 9.2 miles of crushed rock or gravel resurfacing and furnishing 1,000 c.y. of crushed rock or gravel in stockpiles on the Trehern-Buxton Section of Nehalem Secondary Highway, U.S.P.W. Projects Nos. NRS 213-F and NRS-213-G, in Columbia and Washington Counties.

The work requires approximately 4,500 c.y. of excavation, and 14,700 c.y. of crushed rock.

This project may be bid in combination with Pittsburg - Vernonia project.

Plans and specifications obtainable from the State Highway Commission, Room 322, State Office Bldg., Salem, upon deposit of $5.00.

BIDS WANTED

SAN BERNARDINO CO., Cal.—Until January 10, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for about 1.6 miles of grading and surfacing with asphalt concrete between San Antonio Avenue and the east city limits of Ontario, San Bernardino Co.

The work involves:
(1) 1,600 c.y. roadway excavation, unclassified;
(2) 700 c.y. Class A Portland cement concrete (sidewalks, curbs, gutters and driveways);
(3) 50,100 sq. yds. asph. paint binder.
(4) 5,920 tons asphalt concrete;
(5) 400 c.y. concrete removed and disposed of.

Plans and specifications obtainable from the State Highway Commission, Sacramento, and on file at the office of the District Engineer in San Francisco and Los Angeles, and the district in which the work is situated.

BIDS OPENED.

SANTA BARBARA CO., Calif.—T. M. Malno, 1424 Mill St., San Luis Obispo, at $3,595 submitted low bid to the Department of Public Works, Division of Highways, L. H .Gibson, District Engineer, San Luis Obispo, for removing and disposing of trees on 0.6 mile of highway in Montecito, Santa Barbara County.

Geo. E. Rue and Frank Doan, Santa Barbara, at $4,308.96 submitted the only other bid.

Bids held under dvisement.

PLANNED

SOUTH SAN FRANCISCO, Calif.—The City Council plans resurfacing of Grand Avenue from Mission Road to Linden Ave., Railroad Ave. from Linden Ave. 500 feet west, and Linden Ave. from Railroad Ave. to Armour Ave. Work will be done with city's allotment of gasoline tax funds, estimated at $7,295.

NOTICE TO BIDDERS

STATE OF CALIFORNIA — C. H. Purcell, State Highway Engineer, has announced the cost of blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the Special Provisions. Blue prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on December 26, in Los Angeles on December 27, and in Sacramento on January 2:

V-Mon-56-D bridge across Bruno Creek, south of Monterey, opening December 26 (PLANS) No. of sheets, 10; cost, $1.00; (CROSS-SECTIONS), No. of sheets, none; Total, $1.00.

VII - L.A - 26 MonP, in Monterey Park, opening December 27 (PLANS) No. of sheets, 13; cost, $1.30; (CROSS-SECTIONS) No of sheets, 31; cost, $3.10; total, $4.40.

X-Ama-34-B & Jkn, between Martell and Jackson, opening January 2, (PLANS) No. of sheets, 6; cost, 60c; (CROSS-SECTIONS) No. of sheets, 76; cost, $7.60; total $8.20.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento

PLANNED

PITTSBURG, Contra Costa Co., Cal.—City Council has authorized City Engineer to prepare plans and specifications for widening Tenth Street for a distance of 650 feet. Work is to be done under supervision of State Division of Highways with city's share of gas tax funds. Estimated cost $5000.

CONTRACT AWARDED

SAN FRANCISCO.—Daniel C. McCabe, 74 New Montgomery Street, San Francisco, at $1,760 awarded contract by the Department of Public Works, City Hall, for the improvement of Lombard Street, and others.

CONTRACT AWARDED

TULARE COUNTY, Calif. — Basich Bros., 20550 Normandie Ave., Torrance, at $34,202.50 awarded contract by State Highway Commission, Sacramento, for about 1 mile of grading and paving with asphalt concrete in the City of Tulare, Tulare County.

Complete bids published Dec. 13.

AWARD

LASSEN AND SIERRA COS., Cal. —Harms Bros., 5220 21st Ave., Sacramento, at $82,984.50 awarded contract by the State Highway Commission, Sacramento, for about 10.5 mi. of grading and oiling in Lassen and Sierra Counties between 2.8 miles north of the junction of Routes 21 and 29, and the Nevada State Line.

BIDS WANTED

SKAMANIA COUNTY, Wash.—Until January 3, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for grading about 2 miles of State Road No. 8, Cooks East to Underwood West, U.S.P.W. Project 112-E, and Underwood Vicinity, U.S.P.W. Project 81, in Skamania County. The work involves about 10 acres clearing; 312,740 cu. yds. excavation; 4216 lin. ft. concrete cribbing; 551 lin. ft. of pipe culverts, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

BIDS WANTED

CLARK COUNTY, Wash. — Until January 3, 10 A. M., bids will be received by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and asphaltic concrete about 0.7 of a mile of State Road No. 8 in the City of Camas, U.S.P.W. Project NRM 44, in Clark County.

The work involves approximately 257 sq yds. Portland cement concrete pavement; 1351 tons asphaltic concrete pavement, and other items.

Plans and specifications obtainable from above office upon deposit of $2.

AWARD RECOMMENDED.

SANTA CLARA COUNTY, Calif.—Board of Directors of Santa Clara Valley Water Conservation District recommended to Clifton E. Hickok, Northern California Engineer, Public Works Administration, award of contracts to F. O. Bohnett and D. McDonald for construction of Almaden and Calero dams and conduit and the Stevens Creek dam.

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

LOS ANGELES CO.—Monrovia&Pasadena Tunnels Met. Dist.

LOS ANGELES COUNTY, Calif.—West Construction Co., 615 Richfield Building, Los Angeles, at $2,190,840, based upon a combination of bids on Schedules 1 and 2, including a deduction, as shown by the stipulations, of $119,660 and L. E. Dixon, et al. 609 S. Grand Ave., Los Angeles, at $621,-180 on Schedule 3, making a total of $2,812,020 submitted low bids to the Metropolitan Water District Los Angeles, for constructing the Monrovia Numbers 1, 2 and 3, and Pasadena tunnels and appurtenant works, in accordance with Spec. No. 77. The Monrovia tunnels are located in the San Gabriel mountains, 8 to 11 miles east of Pasadena, and the Pasadena tunnel is located principally along Mountain Street in Pasadena, with the east portal near Hill Street and the west portal near the intersection of Winona and Blake Avenues, all in Los Angeles County. The work consists of the excavating and lining for four circular water-supply tunnels, having interior diameters of 10 feet.

Bids were taken as follows:

SCHEDULE NO. 1

Construction of Monrovia Nos. 1 and 2 tunnels and appurtenant works. Tunnel lengths 7865 and 940 feet, respectively:

(1) does not apply here;
(2) 1700 cu. yds. excavation in approach cut;
(3) 46,000 cu. yds. excav. in tunnel and air vent;
air vent enlargement;
(5) 18,000 cu. yds. concrete in tunnel and air vent;
(6) 300 tons erecting steel support in tunnel;
(7) 200 MFBM furnishing and placing permanent timbers in tunnel and air vent;
(8) 500 cu. yds. Gunite coating of rock in tunnel and air vent;
(9) 4000 lin. ft. drilling grout holes;
(10) 1000 connections for grouting;
(11) 400 cu. yds. mixing and placing grout;
(12) 1,000,000 lbs. placing reinf. steel;
(13) 4000 ton-miles hauling steel;
(14) 26,000 ton-miles hauling cement.

SCHEDULE NO. 2

Construction of Monrovia No. 3 tunnel and appurtenant works. The length, 32,114 feet:

(1) Tunnel access work, lump sum;
(2) 2800 cu. yds. excavation in approach cut;
(3) 165,000 cu. yds. excav. in tunnel;
(4) 200 cu. yds. excavation for tunnel enlargement;
(5) 68,000 cu. yds. concrete in tunnel, bulkhead and adjacent adit lining;
(6) 1000 tons erecting steel support in tunnel;
(7) 700 MFBM furnishing and erecting permanent timber in tunnel;
(8) 1000 cu. yds. gunite coating of rock in tunnel;
(9) 20,000 lin. ft. drilling grout holes;
(10) 4000 connections for grouting;
(11) 1500 cu. yds. mixing and placing grout;
(12) 5,000,000 lbs. placing reinf. steel;
(13) 10,000 ton-miles hauling steel;
(14) 60,000 ton-mile hauling cement.

SCHEDULE NO. 3

Construction of the Pasadena Tunnel and appurtenant works. Tunnel length, 12,143 feet.

(1) Does not apply here;
(2) 500 cu. yds. excav. in approach cut;
(3) 61,000 cu. yds. excav. in tunnel;
(4) 100 cu. yds. excav. for tunnel enlargement;
(5) 21,000 cu. yds. concrete in tunnel
(6) 550 tons erecting steel support in tunnel;
(7) 650 MFBM furnishing and placing permanent timbers in tunnel
(8) 200 cu. yds. gunite coating in tunnel;
(9) to (11) Do not apply here;
(12) 6,000,000 lbs. placing reinf. steel;
(13) 3500 ton-miles hauling steel;
(14) 6000 ton-miles hauling cement.

SCHEDULE NO. 1

Bidders follow:
(A) West Construction Company.
(B) L. E. Dixon Co., et al.
(C) J. F. Shea Co., Inc.
(D) Shofner & Gordon, et al.
(E) Rohl-Connolly Company.
(F) Utah Const. Co., et al.
(G) Merritt-Chapman & Scott.
(H) Winston-Kaiser-Bechtel.
(I) Dravo Contracting Company.
(J) S. S. Magoffin Co., Inc.
(K) West Slope Construction Co.

Unit bids follow:

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	Total
(A)	$1.80	$ 7.30	$10.00	$ 6.80	$40.00	$49.95	$25.00	$ 0.60	$2.25	$25.00	$0.015	$0.10	$0.05	$528,100.00
(B)	3.00	7.55	10.00	6.00	60.00	110.00	14.00	.30	2.50	20.00	.008	.10	.05	529,800.00
(C)	1.00	7.25	8.00	7.75	40.00	50.00	20.00	.50	5.00	25.00	.02	.10	.10	547,500.00
(D)	2.00	7.90	9.00	7.00	38.00	60.00	25.00	.80	1.50	25.00	.012	.20	.12	560,220.00
(E)	1.00	8.50	8.50	6.00	20.00	50.00	20.00	1.00	3.00	20.00	.015	.20	.15	562,250.00
(F)	1.20	8.30	10.00	8.00	35.00	70.00	20.00	.60	2.00	20.00	.01	.10	.08	588,220.00
(G)	1.85	8.00	8.00	6.40	65.00	110.00	35.00	3.00	2.50	40.00	.012	.25	.37	599,265.00
(H)	2.00	9.20	12.00	8.10	90.00	115.00	14.00	.85	4.00	17.00	.014	.30	.12	663,120.00
(I)	3.50	10.00	20.00	7.50	50.00	85.00	15.00	.90	3.00	18.00	.015	.25	.15	676,150.00
(J)	1.25	11.83	12.00	6.27	60.00	80.00	20.00	1.00	5.00	27.00	.0125	.20	.10	740,065.00
(K)	2.00	11.00	16.00	10.00	50.00	108.00	25.00	.60	5.00	35.00	.012	.12	.10	791,880.00

SCHEDULE NO. 2

(A) West Construction Company.
(B) L. E. Dixon Co., et al.
(C) J. F. Shea Co., Inc.
(D) Utah Construction Co., et al.
(E) Dravo Contracting Co.
(F) Winston-Kaiser-Bechtel.
(G) West Slope Construction Co.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	Total
(A)	$80,160	$1.80	$6.30	$10.00	$6.15	$40.00	$50.00	$25.00	$0.60	$2.25	$25.00	$0.015	$0.10	$0.05	1,782,400
(B)	123,675	2.30	7.22	10.00	5.00	60.00	110.00	14.00	.30	2.50	20.00	.008	.12	.06	1,905,215
(C)	85,000	1.00	7.65	8.00	7.50	40.00	50.00	20.00	.50	5.00	25.00	.02	.10	.10	2,131,150
(D)	110,000	1.00	8.00	10.00	7.75	35.00	70.00	20.00	.60	2.00	20.00	.01	.10	.08	2,171,600
(E)	150,000	3.25	8.50	20.00	7.00	50.00	85.00	15.00	.90	3.00	18.00	.015	.25	.15	2,309,600
(F)	200,000	1.50	8.75	12.00	6.15	90.00	115.00	14.00	.85	4.00	17.00	.014	.40	.16	2,395,150
(G)	200,000	2.00	9.50	15.50	8.20	50.00	100.00	23.00	.60	5.00	32.00	.012	.12	.10	2,624,000

SCHEDULE NO. 3

(A) L. E. Dixon Co., et al.
(B) Rohl-Connolly Company.
(C) Shofner & Gordon.
(D) West Construction Co.
(E) Utah Construction Co., et al.
(F) J. F. Shea Co., Inc.
(G) S. S. Magoffin Co., Inc.
(H) Winston-Kaiser-Bechtel.

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(12)	(13)	(14)	Total
(A)	$1.00	$ 6.20	$10.00	$ 5.00	$48.00	$ 90.00	$14.00	$0.008	$0.12	$0.06	$ 621,180
(B)	1.00	7.00	7.00	5.00	20.00	50.00	20.00	.01	1.00	.30	646,000
(C)	1.50	6.50	9.00	6.80	38.00	60.00	15.00	.012	.25	.15	677,625
(D)	1.00	6.80	8.00	7.05	45.00	60.00	20.00	.015	.10	.05	722,550
(E)	2.00	7.50	8.00	8.00	50.00	120.00	12.00	.015	.10	.10	826,150
(F)	1.00	7.25	9.00	9.00	50.00	50.00	20.00	.025	.10	.10	847,600
(G)	1.00	10.77	12.00	6.27	60.00	75.00	20.00	.0115	.20	.10	946,390
(H)	2.00	11.70	12.00	10.00	90.00	110.00	14.00	.014	.50	.30	1,137,250

Following stipulations submitted by the bidders:

West Construction Co.: Schedule 1, $528,100; Schedule 2, $1,782,400; Schedule 3, $722,550. (1) Will accept any schedule at bid price. (2) If awarded 1 and 2 together, deduct 20c yd. from unit price bid on item (3) in both schedules 1 and 2, and also deduct 90c yd. from unit price bid on item (5) in both schedules 1 and 2. (3) If awarded 1 and 3 together, deduct 20c yd. from unit price item (3) in schedules 1 and 3 and also deduct 80c yd. from price on item (5) on schedules 1 and 3. (4) If awarded 2 and 3 together, deduct 10c yd. from unit price bid on item (3) in both schedules 2 and 3 and also deduct 70c yd. from unit price bid on item (5) in both schedules 2 and 3. (5) If awarded all three schedules, deduct 21c yd. from unit prices on items (3) in schedules 1, 2 and 3, and also deduct 95c yd. from unit prices on item (5) in schedules 1, 2 and 3.

L. E. Dixon Co., Bent Bros., Inc., and Johnson, Inc., 609 S. Grand Ave., Los Angeles: Sched. 1, $529,800; Sched. 2, $1,905,215; Sched. 3, $621,180. If

awarded all three schedules, deduct 2% from all prices quoted ($61,123.90) making a net total of $2,995,071.

J. F. Shea Co., Inc., Mecca: Sched. 1, $547,500; Sched. 2, $2,131,150; Sched. 3, $847,600. If awarded Schedules 1 and 2, disregard bid on Schedule 3.

Shofner & Gordon & Hinman Bros. Const. Co., 1831 N. Main St., Los Angeles: Sched. 1, $560,220; Sched. 2, no bid; Schedule 3, $677,625. Will accept award on one schedule only.

Rohl-Connolly Co., 4351 Alhambra Ave., Los Angeles: Schedule 1, $562,-250; Schedule 2, no bid; Schedule 3, $646,000. Will accept award of either Schedule 1 or Schedule 2, but not both schedules.

Utah Construction Co. and Morrison-Kundsen Co., 1121 Title Guarantee Bldg., Los Angeles: Schedule 1, $588,220; Schedule 2, $2,171,600; Sched. 3, $826,160. If awarded both Schedules 1 and 2, deduct 2% from all unit prices in Schedule 1 and 2.

Merritt - Chapman & Scott Corp., San Pedro: Sched. 1, $599,265; Sched. 2 and 3, no bids.

Winston Bros. Co., Henry J. Kaiser Co., and W. A. Bechtel Co., jointly under the name of Winston Bros.-Kaiser-Bechtel, 920 Title Guarantee Bldg. Los Angeles: Schedule 1, $663,120; Schedule 2, $2,395,150; Schedule 3, $1,-137,250. For the award of Schedules 1 and 2, deduct $125,000 from item (1) tunnel access works, of Sched. 2. For the awards of Schedules 1, 2 and 3, deduct in addition to allowance in previous stipulations, $1 per c.y. from price bid on item (5) of Schedule 3.

Dravo Contracting Co., Neville Island, Pittsburgh, Pa.: Schedule 1, $676,150; Schedule 2, $2,309,600; Sched. 3, no bid. No stipulations.

S. S. Magoffin Co., Inc., 1506 East Mountain St., Pasadena: Schedule 1, $1,740,065; Schedule 2, no bid; Schedule 3, $946,390. Will accept one schedule only. Will not accept Schedule 1 if in line for award of Schedule 3.

West Slope Const. Co., P. O. Box 146, Azusa: Sched. 1, $791,880; Sched. 2, $2,624,000; Sched. 3, no bid. Will accept award of either Sched. 1 or 2 or both schedules, with further stipulation that if awarded both schedules, $75,00 may be deducted from the total of both schedules, such deduction to be made from the final payment of retained percentage.

All bids held under advisement.

BIDS WANTED

PERSHING COUNTY, Nev. — Until December 29, 10:15 A. M., bids will be received by Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for curbs and gutters and surfacing with crushed gravel or stone, a length of 0.62 mile in Lovelock, Pershing County, Route I, Section B, U.S.P.W. Project NRM 79-D.

The work involves:

(1) 1,800 c.y. roadway excavation;
(2) 700 c.y. structure excavation;
(3) 170 c.y. select borrow;
(4) 330 c.y. Class A concrete;
(5) 9 c.y. remove concrete;
(6) 50 each, remove and reset meter boxes;
(7) 15 each remove trees;
(8) force account, misc. items;
(9) 0.62 mile subgrade;
(14) 1,600 c.y. crushed gravel or stone surface;
(11) 0.62 mile finish roadway.

Plans and specifications obtainable from the above office upon deposit of $5, of which $2.50 is returnable; and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

CONTRACT AWARDED

GRANT COUNTY, Oregon — Schmeer, Williams & Gentemann, 3233 NE 12 St., Portland, at $49,728 award-

OXNARD — SEWER SYSTEM — (CITY)

OXNARD, Cal.—J. C. Hickey, 320 S. Palm Ave., Alhambra, at $58,439 (Proposal 2, Imhoff tank type) submitted low bid to the Oxnard City Council, December 11, and recommended for award of contract for constructing a sewage disposal plant. The award was forwarded to the PWA Engineer, Los Angeles, for approval. Currie Engineering Co., 219 Anderson Bldg., San Bernardino, consulting engineer. E. O. Imus, City Engineer.

Bids were taken as follows:

PROPOSAL NO. 1—SLUDGE DIGESTION TYPE

(1) Treatment plant complete;
(2) 1165 ft. 18-in. vitrified pipe;
(3) 510 ft. 21-in. vitrified pipe;
(4) 548 ft. 15-in. vitrified pipe;
(5) 80 ft. 8-in. vitrified pipe.

PROPOSAL NO. 2—IMHOFF TANK TYPE

(1) Treatment plant complete;
(2) 1165 ft. 18-in. vitrified pipe;
(3) 510 ft. 21-in. vitrified pipe;
(4) 548 ft. 15-in. vitrified pipe.

PROPOSAL NO. 1

(A) J. C. Hickey, Alhambra.
(B) Marko Matick, Los Angeles.
(C) H. A. Teget, Ontario.
(D) Bennett & Taylor, Los Angeles.
(E) Oscar Oberg, Los Angeles.
(F) Byerts & Dunn, Los Angeles.

	(1)	(2)	(3)	(4)	(5)	TOTAL
(A)	$56,526.75	$2.25	$3.00	$1.50	$1.00	$61,579.00
(B)	55,410.70	2.75	3.35	2.40	1.65	61,770.20
(C)	56,000.00	3.00	3.50	1.50	1.00	62,182.00
(D)	61,227.00	3.25	4.00	3.00	1.50	68,817.25
(E)	65,660.88	3.00	3.40	2.60	1.90	72,466.68
(F)	69,578.75	3.25	4.00	3.00	1.00	77,129.00

PROPOSAL NO. 2

(A) J. C. Hickey, Alhambra.
(B) Marko Matick, Los Angeles.
(C) H. A. Teget, Ontario.
(D) Bennett & Taylor, Los Angeles.
(E) Oscar Oberg, Los Angeles.
(F) Byerts & Dunn, Los Angeles.

	(1)	(2)	(3)	(4)	TOTAL
(A)	$54,526.75	$2.25	$3.00	$1.50	$58,499.00
(B)	54,150.00	2.75	3.35	2.49	60,377.70
(C)	56,436.00	3.00	3.50	1.50	62,538.00
(D)	62,347.00	3.25	4.00	3.00	69,817.25
(E)	70,529.71	3.00	3.40	2.60	77,183.41
(F)	73,499.75	3.25	4.00	3.00	80,970.60

SANTA CLARA CO.—Almaden & Calero Dams—(District)

SANTA CLARA COUNTY, Cal.—E. O. Bohnett, Campbell, and D. McDonald, 204 23rd St., Sacramento, bidding jointly, at $372,020 submitted low bid to the Santa Clara Valley Water Conservation District, Grant Bldg., San Jose, for the construction of Almaden Dam, Almaden Spillway, Almaden-Calero Conduit, Colero Dam, Calero Auxiliary Dam and Calero Spillway, with appurtenant works.

The dams are earth-fill type with upstream face concrete paved. Almaden Dam will have a crest length of about 500 feet and a maximum elevation of 90 feet. Calero Dam will be 900 feet wide at the crest with a maximum height of 93 feet.

The conduit extends between the two dams a distance of about 4.5 miles. The work is located about 10 miles from the City of San Jose. Almaden Dam site is on Alamitos or Almaden Creek, a tributary of Guadalupe Creek, about 1 mile upstream from the town of New Almaden. Calero Dam site is on Calero Creek, a tributary of Alamitos Creek. Work involves:

I—Almaden Dam and Spillway

(1) 9,500 c.y. stripping for foundation;
(2) 107,500 c.y. spillway excavation, including sorting and compact-in dam;
(3) 137,000 c.y. embankment except from spillway excavation in dam;
(4) 825 c.y. concrete in outlet works;
(5) 88,000 sq. ft. concrete facing on the dam;
(6) 53,000 sq. ft. concrete lining in spillway.
(7) 260,000 lbs. reinf. steel in place;
(8) 4,500 lbs. struc. steel in place;
(9) 690 l.f. 36-in. steel outlet pipe in place;
(10) 500 l.f. 12-in. corru. culvert;
(11) 2,600 l.f. 12-in. half-round drain tile in place;
(12) Installation in place in outlet works of one sluice gate, one cast iron reducer, two butterfly valves and their appurtenances, all furnished by the district;
(13) 1 bronze tablet furnished and installed complete.

II—Almaden-Calero Conduit

(14) 75,000 c.y. canal excavation, Sta. 0 plus 86 to Sta. 91 plus 80;
(15) 11,600 c.y. do, Sta. 91 plus 80 to Sta. 120 plus 25;
(16) 6,000 c.y. do, Sta. 120 plus 25 to Sta. 136 plus 00.
(17) 31,500 c.y. do, Sta. 136 plus 00 to Sta. 142 plus 60.
(18) 45,000 c.y. do, Sta. 142 plus 60 to Sta. 233 plus 40.
(19) 1,000 c.y. excav. for misc. struc.
(20) 240 c.y. concrete in do;
(21) 1,560 l.f. 48-in. concrete pipe in place;
(22) 600 l.f. 36-in. do;
(23) two wasteway radial gates complete in place;
(24) 35,000 lbs. reinf. steel in place in misc. struc.;
(25) 8,500 lbs. structural steel do;
(26) four farm bridges.

III—Calero Dam and Spillway

(27) 25,000 c.y. stripping for foundation;
(28) 50,000 c.y. spillway excavation, including sorting and compact-in dam;
(29) 492,000 c.y. embankment except from spillway excavation in dam;
(30) 950 c.y. concrete in outlet works, spillway weir and sill;
(31) 185,000 sq. ft. concrete facing on the dam;
(32) 48,000 sq. ft. concrete lining in spillway;
(33) 340,000 lbs. reinf. steel in place;
(34) 3,500 lbs. structural steel in place
(35) 450 l.f. 36-in. outlet pipe in place;
(36) installation in place in the outlet works of one sluice gate, one butterfly valve, one cast iron reducer and their appurtenances, all furnished by the district;
(37) 1 bronze tablet furnished and installed;
(38) premium on 60% surety and 10% performance bonds.

The district will furnish the following items to be installed by the contractor:

(1) two 42-in. hydraulically operated sluice gates;
(2) two 36x42-inch cast iron special casting flanged reducers for outlet pipes;
(3) 3 30-in. flanged butterfly valves;
(4) 3 30-inch flanged steel discharge pipes;
(5) all necessary fittings.

Total bids follow:
(A) F. O. Bohnett, Campbell, and D. McDonald, Sacramento, $372,020
(B) Fredrickson & Watson Constr. Co., Oakland, $427,884.43.
(C) Morrison-Knudsen Co., Los Angeles, $458,609.48.
(D) Mittry Bros. Constr. Co., Los Angeles, $466,756.50.
(E) Peninsula Paving Co., San Francisco, $466,986.50.
(F) Bent Bros., Inc., Los Angeles, $494,402.
(G) A. Teichert & Son, Inc., Sacramento, $545,641.50.
(H) W. A. Bechtel Co., San Francisco $547,915.
(I) George Pollock Co., San Francisco, $617,635.
(J) Guy F. Atkinson Co., San Francisco, $628,960.
(K) Engineer's Estimate, $582,643.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 1.00	$ 1.00	$ .30	$ .50	$ .53	$ .54
(2)	.17	.31	.33	.30	.25	.375
(3)	.17	.215	.22	.245	.285	.285
(4)	.14	16.50	17.00	18.50	16.00	12.50
(5)	.17	.17	.22	.20	.215	.22
(6)	.34	.24	.38	.40	.42	.38
(7)	.045	.04	.05	.045	.043	.042
(8)	.08	.08	.10	.10	.08	.11
(9)	11.00	10.00	8.80	7.60	9.60	7.60
(10)	1.50	2.20	1.50	1.50	1.45	1.00
(11)	.30	.60	.75	.40	.70	.25
(12)	900.00	100.00	700.00	150.00	340.00	470.00
(13)	75.00	50.00	100.00	80.00	85.00	82.50
(14)	.22	.165	.145	.18	.14	.24
(15)	.22	.50	.25	.60	.40	.60
(16)	.22	.18	.25	.50	.17	.60
(17)	.22	.35	.40	.40	.32	.70
(18)	.22	.12	.12	.15	.225	.28
(19)	1.50	1.00	1.50	.80	1.45	.50
(20)	15.00	24.00	17.50	20.00	20.50	24.00
(21)	16.00	17.00	16.00	15.00	16.25	15.60
(22)	11.00	12.00	10.50	10.50	11.00	10.80
(23)	400.00	240.00	475.00	450.00	400.00	385.00
(24)	.045	.04	.05	.05	.043	.044
(25)	.08	.08	.10	.10	.08	.11
(26)	200.00	200.00	350.00	200.00	255.00	575.00
(27)	.60	.18	.18	.35	.17	.20
(28)	.24	.37	.40	.30	.48	.21
(29)	.13	.23	.22	.24	.23	.25
(30)	14.00	16.00	16.50	18.50	16.00	14.00
(31)	.16	.15	.21	.20	.215	.22
(32)	.34	.225	.37	.40	.38	.38
(33)	.045	.04	.05	.0425	.043	.042
(34)	.08	.08	.10	.10	.08	.11
(35)	11.00	10.00	9.00	7.60	11.50	7.70
(36)	600.00	100.00	700.00	150.00	255.00	385.00
(37)	75.00	60.00	100.00	80.00	85.00	82.50
(38)	5600.00	6322.43	6777.48	7000.00	7000.00	7413.00

	(G)	(H)	(I)	(J)	(K)
(1)	$ 1.00	$ 1.50	$ 1.00	$ .20	$ .40
(2)	.30	.30	.60	.50	.65
(3)	.40	.38	.60	.40	.40
(4)	17.50	16.00	25.00	15.00	17.50
(5)	.20	.20	.23	.25	.20
(6)	.35	.35	.37	.35	.40
(7)	.05	.045	.05	.04	.0425
(8)	.07	.15	.10	.10	.10
(9)	9.00	11.00	9.00	6.00	8.00
(10)	1.75	2.50	1.00	2.00	1.50
(11)	.30	1.25	.30	1.00	.40
(12)	800.00	1500.00	1000.00	500.00	1100.00
(13)	75.00	100.00	150.00	100.00	100.00
(14)	.28	.25	.30	.50	.30
(15)	.70	.60	.30	.60	1.00
(16)	.50	.60	.30	.40	.90
(17)	.60	.60	.30	.45	.90
(18)	.35	.25	.30	.20	.30
(19)	2.00	1.25	1.50	1.50	2.00
(20)	20.00	16.00	25.00	18.00	22.50
(21)	17.00	15.00	17.00	15.00	10.00
(22)	12.00	10.00	12.00	11.00	6.50
(23)	375.00	400.00	100.00	750.00	375.00
(24)	.05	.045	.05	.05	.045
(25)	.07	.15	.10	.10	.10
(26)	200.00	250.00	200.00	200.00	300.00
(27)	.20	.40	.25	.20	.225
(28)	.60	.40	.50	.60	.50
(29)	.25	.30	.28	.40	.30
(30)	17.50	16.00	25.00	15.00	17.50
(31)	.20	.20	.22	.25	.20
(32)	.35	.35	.38	.35	.40
(33)	.05	.045	.05	.04	.0425
(34)	.07	.15	.10	.10	.10
(35)	9.00	9.00	9.00	6.00	7.50
(36)	650.00	1500.00	1500.00	500.00	950.00
(37)	75.00	100.00	150.00	100.00	100.00
(38)	8064.00	8200.00	9100.00	10,000.00	8610.00

Contract will be awarded to the low bidder subject to PWA approval.

ed contract by the Bureau of Public Roads, 316 New Post Office Building, Portland, for constructing or improving the Pendleton-John Day Surfacing Project NR-33-E1, F1, National Forest Road Project, located within the Whitman National Forest, Grant County, Oregon.

CONTRACT AWARDED

SAN FRANCISCO. — Vernon Foundry, Inc., 280 San Bruno Avenue, at $16,875.60 awarded contract by T. A. Brooks, Purchaser of Supplies, City Hall, under Bid 1261, for furnishing cast iron specials for the Auxiliary Water Supply System.

SAN MATEO CO. — 1.7 Mi. Grade and Pave — (State)

SAN MATEO COUNTY, Calif.—Union Paving Co., 624 Call Bldg., San Francisco, at $201,813 submitted low bid to the State Highway Commission, Sacramento, for the construction of about 1.7 miles of grading and paving with asphalt concrete in Daly City, San Mateo county, between Huron Street and San Pedro Avenue.

The work involves:
(1) 30,500 c.y. rdwy. excav., unclass.
(2) 80,000 sta. yds. overhaul;
(3) 60 c.y. structure excavation;
(4) 110 M. gallons water;
(5) 5,700 c.y. remove existing Portland cement concrete;
(6) 16,000 sq. yds. remove existing asphalt surface;
(7) 9,250 tons crusher run base;
(8) 4.5 tons emulsified asph. road oil;
(9) 18 tons screenings;
(10) 46,000 sq. yds. asph. paint binder
(11) 21,350 tons asphalt concrete;
(12) 850 c.y. Class A Portland cement concrete (pavement);
(13) 15 c.y. do (structures);
(14) 1,400 c.y. do (sidewalks, curbs);
(15) 35 c.y. do (curb backing);
(16) 5,400 c.y. Class C Portland cement concrete;
(17) 1,100 lbs. bar reinf. steel;
(18) 1,550 l.f. remove and reset stone curbs;
(19) 400 sq. ft. redressing stone curbs
(20) 300 l.f. 8-in. perforated metal pipe underdrains;
(21) 200 l.f. 12-in. CMP;
(22) 2,060 l.f. 12-in. reinf. conc. pipe;
(23) 1,660 l.f. 15-in. do;
(24) 865 l.f. 18-in. do;
(25) 5,250 l.f. 4-in. vit. clay pipe;
(26) 800 l.f. 6-in. do;
(27) 9 each new brick catchbasins;
(28) 5 each new lampholes;
(29) 5 each new brick manholes;
(30) 25 each manholes adjusted to grade;
(31) 20 each special offset manholes;
(32) 80 each meter boxes, removed and reset;
(33) 100 each crosswalk markers;
(34) 80 sta. finishing roadway;
(35) 38 each monuments complete in place.

Total bids follow:
(A) Union Paving Co., San Francisco, $201,813.00.
(B) Pacific States Const. Co., San Francisco, $207,528.20.
(C) A. G. Raisch, San Francisco, $209,874.70.
(D) Eaton & Smith, San Francisco, $213,225.75.
(E) Hanrahan - Wilcox Corp., S. F., $214,538.00.
(F) Fredrickson & Watson Const. Co. Oakland, $218,888.00.
(G) Fay Improvement Co., San Francisco, $228,917.20.
(H) Chas. L. Harney, San Francisco, $229,637.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ .25	$ .50	$ .44	$ .39	$ .39	$ .42	$ .51	$ .42
(2)	.005	.0075	.017	.006	.02	.01	.0025	.01
(3)	1.00	3.75	.90	1.90	1.00	1.50	1.00	3.00
(4)	1.00	2 50	.70	1.90	1.00	1.25	2.60	2.00
(5)	2.75	2.35	3.50	1.74	3.00	1.60	3.40	2.50
(6)	.15	.25	.15	.23	.15	.32	.378	.18
(7)	1.45	2.10	1.30	1.54	1.65	1.80	1.50	1.50
(8)	19.00	26.00	20.00	25.00	30.00	25.00	22.00	30.00
(9)	2.00	4.15	4.00	3.80	4.00	4.50	4.00	5.00
(10)	.001	.02	.02	.016	.02	.02	.023	.03
(11)	3.85	3.60	3.53	3.90	3.50	3.64	3.98	4.20
(12)	8.00	9.00	9.00	9.50	9.00	10.00	10.78	10.00
(13)	15.00	25.00	17.90	25.00	20.00	25.00	19.00	40.00
(14)	13.50	11.00	12.80	15.20	15.00	13.90	13.80	15.00
(15)	5.00	7.50	6.00	8.05	8.50	11.00	7.50	7.00
(16)	6.75	6.75	7.70	7.50	8.00	8.25	7.62	7.00
(17)	.04	.06	.045	.05	.07	.07	.05	.06
(18)	.40	.25	.45	.32	.35	.50	.31	.50
(19)	1.00	.70	.30	1.25	.90	.10	.76	1.00
(20)	1.00	1.65	1.48	1.54	1.35	1.40	1.05	2.00
(21)	1.30	1.75	1.82	1.66	1.35	2.10	1.98	2.00
(22)	1.75	1.60	1.42	1.59	1.50	1.70	1.20	2.00
(23)	2.00	1.50	1.62	1.90	1.90	1.82	1.67	3.00
(24)	2.50	1.90	1.92	2.10	2.40	2.32	2.00	3.50
(25)	.50	.50	.70	.64	.65	1.08	.69	1.00
(26)	.60	.65	.90	1.25	1.30	.88	1.38	1.00
(27)	70.00	85.00	70.00	75.00	65.00	90.00	67.00	100.00
(28)	5.00	12.00	15.00	25.00	12.00	20.00	23.00	25.00
(29)	75.00	55.00	70.00	82.00	80.00	105.00	73.50	100.00
(30)	2.00	10.00	5.00	6.30	6.00	19.00	15.00	10.00
(31)	100.00	85.00	80.00	88.00	72.00	105.00	85.00	100.00
(32)	.50	8.00	1.00	2.50	2.00	3.70	2.00	5.00
(33)	.25	.25	.25	.32	.30	1.25	.72	.50
(34)	2.00	3.00	2.00	6.30	5.00	5.00	4.00	5.00
(35)	2.00	3.00	2.00	5.00	3.00	3.00	3.50	3.00

SAN BENITO CO. — 2.6 Mi. Grade and Surface — (State)

SAN BENITO COUNTY, Cal. — A. J. Raisch, Burrell Bldg., San Jose, at $56,930.50 submitted low bid to the State Highway Commission, Sacramento, for about 2.6 miles to be graded and surfaced with crusher run base and oil treated crusher run surfacing in San Benito County between Route 2 and San Juan Bautista. The work involves:

(1) 69,800 c.y. rdwy. excav., unclass.;
(2) 331,000 sta. yds. overhaul;
(3) 2,350 c.y. structure excavation;
(4) 320 c.y. Class A Portland cement concrete (structures);
(5) 32,000 lbs. bar reinf. steel do;
(6) 198 l.f. 8-in. CMP;
(7) 644 l.f. 18-in. CMP;
(8) 308 l.f. 30-in. CMP;
(9) 72 l.f. 36-in. CMP;
(10) 250 l.f. 30x8-in. part circle CMP;
(11) 17 each spillway assemblies, CIP
(12) 950 sq. yds. paved gutters and aprons;
(13) 192 l.f. laminated timber guard rail;
(14) 179 each timber guide posts;
(15) 25 each timber culvert markers;
(16) 5.6 miles new property fence;
(17) 27 each fence gates;
(18) 65 tons fuel oil;
(19) 16,500 sq. yds. mixing, shaping, and compacting shoulders;
(20) 140 stations finishing roadway;
(21) 91 each monuments complete in place;
(22) 7,000 tons crusher run base;
(23) 5,500 tons crusher run surfacing;
(24) 310 tons fuel oil;
(25) 33,700 sq. yds. mixing, shaping and compacting surfacing;
(26) 37 tons asphaltic road oil;
(27) 420 tons screenings.

Total bids follow:

(A) A. J. Raisch, San Jose, $56,930.50
(B) Peninsula Paving Co., San Francisco, $61,536.30.
(C) Tiffany Constr. Co., San Jose, $62,964.40.
(D) Union Paving Co., San Francisco, $63,119.50.
(E) Earl W. Heple and L. A. Brisco, Arroyo Grande, $64,438.80.
(F) J. L. Conner, Monterey, $64,636.
(G) J. E. Haddock, Pasadena, $76,058.90.
(H) Heafey-Moore Co., Oakland, $80,009.00.
(I) Bodenhamer Constr. Co. Oakland, and Contoules Constr. Co., San Francisco, $82,730.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(1)	$ .15	$ .15	$ .24	$ .225	$ .23	$ .27	$ .25	$ .26	$ .28
(2)	.005	.006	.005	.005	.009	.005	.005	.01	.005
(3)	1.00	.74	.75	1.00	1.00	1.00	1.00	1.25	.75
(4)	20.00	18.50	24.00	16.80	14.00	22.00	20.00	25.00	22.00
(5)	.05	.05	.055	.05	.05	.06	.05	.06	.06
(6)	1.00	.95	1.10	1.00	1.00	1.00	.90	1.25	1.00
(7)	1.75	1.65	1.50	2.00	1.80	1.75	1.65	1.75	2.00
(8)	4.00	3.15	3.60	3.00	3.45	3.25	3.50	3.50	3.25
(9)	5.00	5.00	5.60	4.50	5.25	5.00	5.30	5.25	4.25
(10)	3.50	3.10	2.00	2.50	2.40	2.00	3.00	2.50	2.50
(11)	12.50	16.00	16.70	14.00	12.50	15.00	15.00	15.00	15.00
(12)	1.00	.76	1.83	.75	1.26	1.00	1.75	1.00	.80
(13)	1.25	.95	1.40	1.00	1.50	1.00	1.00	1.50	1.00
(14)	2.50	1.65	1.80	2.50	2.00	1.00	2.50	2.00	2.00
(15)	2.50	1.65	1.80	2.50	1.50	2.00	2.50	2.00	2.00
(16)	500.00	500.00	420.00	350.00	400.00	400.00	500.00	800.00	500.00
(17)	20.00	21.00	12.60	16.00	16.00	20.00	16.00	15.00	15.00
(18)	11.00	13.00	11.00	12.00	11.40	11.00	12.00	12.50	14.00
(19)	.04	.046	.06	.045	.07	.05	.10	.07	.08
(20)	5.00	5.50	4.00	7.00	4.50	5.00	5.00	6.00	6.00
(21)	3.00	3.00	3.00	2.50	3.00	3.00	3.00	3.00	3.00
(28)	1.25	1.95	1.40	1.65	1.65	1.25	2.40	1.85	2.25
(23)	1.45	1.35	1.05	1.25	1.30	1.25	1.65	1.50	2.50
(24)	11.00	13.75	11.00	11.90	11.40	11.00	12.00	12.50	14.00
(25)	.04	.047	.055	.07	.06	.05	.06	.07	.10
(26)	20.00	25.00	16.00	21.00	18.00	20.00	17.00	25.00	20.00
(27)	2.00	2.60	2.00	2.50	2.60	3.00	4.00	4.25	3.00

BIDS WANTED

ORANGE COUNTY, Cal.—Until Jan. 10, 2 P. M., bids will be received by the State Highway Engineer, State Bldg., Los Angeles, for highway construction in Orange County on Manchester Avenue between Artesia Ave. in Buena Park and Lincoln Avenue in Anaheim. The work consists of about 5.2 miles to be graded and portions to be paved with asphalt concrete, and the remainder to be paved with either asphalt concrete or Portland cement concrete.

The work involves:

(1) 274 sta. clear and grub R/W;
(2) 35,000 c.y. rdwy. excav., unclass.;
(3) 155,000 sta. yds. overhaul;
(4) 7,400 c.y. imported borrow;
(5) 13,700 tons selected material;
(6) 1,200 c.y. structure excavation;
(7) 55,100 sq. yds. subgrade preparation;
(8) 860 tons asphalt concrete (intersections at Grande Avenue and Lincoln Avenue);
(9) 170 c.y. Class A Portland cement concrete (curbs, gutters, sidewalks) and slope paving);
(10) 280 c.y. Class A do (structures);
(11) 26,000 lbs. bar reinf. steel (do);
(12) 21,000 lbs. misc. iron and steel (structures);
(13) 34 l.f. 21-in. base, 8-in. high, 16-ga. part-circle CMP;
(14) 34 l.f. 33½-in. base, 8-in. high 16-ga. part circle CMP;
(15) 78 l. f. do, 8- ga., do;
(16) 730 c.y. concrete, removed and disposed of;
(17) 500 M. gallons water;
(18) 700 tons mineral aggregate (plant mixed surfacing);
(19) 40 tons liquid asphalt (do);
(20) 427 tons fuel oil shoulders;
(21) 51,000 sq. yds. preparing, mixing and shaping shoulders;
(22) 26 each culvert markers;
(23) 274 stations finishing roadway;

Alternative items: From Station 47 plus 30 to Station 281 plus 56.90.

ALTERNATIVE A

(24) 22,500 tons asphalt concrete base leveling and Type A surface course;

ALTERNATIVE B

(25) 25 tons Grade E asphalt seal coat
(26) 9,900 c.y. Class A Portland cement concrete pavement;
(27) 26,500 lbs. bar reinf. steel (pavement);
(28) 14,300 each, pavement dowels.

Plans and specifications obtainable from the State Highway Commission, Sacramento, and on file at the office of the District Engineer in San Francisco and Los Angeles.

BIDS WANTED

ARIZONA STATE—Until December 27, 10:30 A. M., bids will be received by the Arizona State Highway Commission, Phoenix, for construction on the Flagstaff-Fredonia Highway, A.F. E. 9856. The work, which is to begin at the forest boundary about 28 miles north of Flagstaff, and extend northerly toward Cameron' about 10⅔ mi., consists of grading, draining and placing of base course, and is to be completed on or before August 15, 1935. The work involves:

(1) 45,600 cu. yds. roadway excav.;
(2) 4800 cu. yds. drainage excav.;
(3) 1000 cu. yds. structure excav.;
(4) 48,600 cu. yds. borrow excav;
(5) 26,500 sta yds earthwork overhaul;
(6) 22,000 cu yds. A B C;
(7) 34,800 cu. yds. mi. A B C haul;
(8) 370 cu. yds. concrete;
(9) 29 400 lbs. reinforcing steel;
(10) 1246 lin. ft. C.M.P.;
(11) 112,300 lin. ft. standard line fence
(12) 10,400 lin. ft. grader ditches.

Certified check, 5%. T. S. O'Connell, State Highway Engineer.

Plans and specifications obtainable from the above office.

BIDS WANTED

CHURCHILL COUNTY, Nev.—Until December 29, 10:30 A. M., bids will be received by Nevada State Highway Directors, S. C. Durkee, State Highway Engineer, Heroes Memorial Bldg., Carson City, for the reconstruction of existing highway, curb and gutter, waterbound base course, retread surface, etc., a length of 0.56 mile in Fallon, Churchill County, Rte. 2, Section B1, U.S.P.W. Project NRM 49.

The work involves:

(1) 5,600 c.y. roadway excavation;
(2) 3,108 c.y. select borrow;
(3) 120 c.y. structure excavation;
(4) 14,500 sq. yds. subgrade;
(5) 14,500 sq. yds. waterbound base;
(6) 610 c.y. Class A concrete;
(7) 300 lbs. reinforcing steel;
(8) 125 l.f. 8-in. vitrified pipe;
(9) 2 each, monuments;
(10) 10 c.y. remove concrete;
(11) 66 each, remove trees and stumps
(12) 123 tons emulsified asphalt, penetration;
(13) 52 tons emulsified asphalt, mixing;
(14) 1,450 tons coarse aggregate;
(15) 278 tons key rock;
(16) 339 tons screenings;
(17) 500 pounds castings;
(18) force account, misc. items;
(19) 0.56 mile finishing roadway.

Plans and specifications obtainable from the above office upon deposit of $5, of which $2.50 is returnable, and on file at the office of the Bureau of Public Roads, 807 Sheldon Bldg., 461 Market St., San Francisco.

BIDS OPENED.

PLUMAS COUNTY, Calif.—Peninsula Paving Co., 601 Standard Oil Building, San Francisco, at $63,768.50 submitted low bid to the State Highway Commission, Sacramento, for the construction of a reinforced concrete bridge across the North Fork of the Feather River at Rock Creek, consisting of one 205-foot arch span, four 40- and one 20-ft. reinforced concrete girder spans on concrete piers and abutments, in Plumas County.

Total bids follow:

(A) Peninsula Paving Co., San Francisco, $63,768.50.
(B) Rocca & Co., San Rafael, $64,644.00.

(1) 700 c.y. structure excavation;
(2) 60 c.y. rubble masonry;
(3) 830 c.y. Class A Portland cement concrete (structures);
(4) 342 c.y. Class A do (arch ribs);
(5) 24 c.y. Class A do (railing);
(6) 184,000 lbs. bar reinforcing steel;
(7) 38,700 lbs. structural steel;
(8) 828 pounds bronze;
(9) 1 lot miscellaneous items of work.

Unit prices follow:

	(A)	(B)
(1)	$ 5.00	$ 4.00
(2)	14.00	15.00
(3)	29.80	35.00
(4)	50.00	35.00
(5)	65.00	60.00
(6)	.575	.05
(7)	.085	.10
(8)	.50	.50
(9)	1733.00	5000.00

CONTRACT AWARDED

SAN FRANCISCO—Bridge Builders Inc., Outer Harbor, Oakland, at $835,000 awarded contract by the State Highway Commission, Sacramento, for the final field painting of all steel superstructure including cables and attachments of the West and East Bay Crossings of the San Francisco-Oakland Bay Bridge.

Complete bids published Nov. 8.

SANTA CLARA CO. — Stevens Creek Dam — (District)

SANTA CLARA COUNTY, Cal.—F. O. Bohnett, Campbell, and D. McDonald, 204 23rd St., Sacramento, bidding jointly, at $174,670 submitted low bid to the Santa Clara Valley Water Conservation District, Grant Bldg., San Jose, for the construction of the Stevens Creek Dam and Spillway.

The dam will be on earth-fill structure with concrete facing on the upstream side, 600 feet long at the crest, with a maximum height of 100 feet, involving:

(1) 3000 cu. yds. stripping for foundations;
(2) 122,000 cu. yds. spillway excavation including sorting and compacting dam;
(3) 410,000 cu. yds. embankment except from spillway excavation in place in dam;
(4) 1000 cu. yds. concrete in outlet works, spillway weir and sill;
(5) 165,000 sq. ft. concrete facing in dam;
(6) 73,000 sq. ft. concrete lining in spillway;
(7) 380,00 pounds reinforcing steel in place;
(8) 5500 lbs. structural steel in place;
(9) 635 lin. ft. 50-in. outlet in place;
(10) Installation in outlet works of 2 sluice gates, two cast iron reducers, two butterfly valves and two discharge pipes, all furnished by the District;
(11) 1 bronze tablet furnished and installed complete;
(12) Premium on 50 percent surety & 100 percent performance bonds.

Total bids follow:

(A) F. O. Bohnett, Campbell and D. McDonald, Sacramento, $174,670
(B) Fredrickson & Watson Construction Co., Oakland, $222,351.11.
(C) Morrison-Knudsen Co., Los Angeles, $238,220.50.
(D) Bent Bros., Inc., Los Angeles, $246,675.
(E) Peninsula Paving Co., San Francisco, $255,457.50.
(F) A Teichert & Son, Inc., Sacramento, $261,012.
(G) J. E. Haddock, Ltd., Pasadena, $262,261.
(H) Mittry Bros. Constr. Co., Los Angeles, $262,852.50.
(I) W. A. Bechtel Co., San Francisco, $265,090.
(J) Bodenhamer Constr. Co., Oakland, $268,910.
(K) Guy F. Atkinson Co., San Francisco, $272,860.
(L) George Pollock Co., Sacramento, $281,800.
(M) V. R. Dennis Constr. Co., San Diego, $287,973.26.
(N) Engineer's estimate, $296,850.

Unit bids follow:

	(A)	(B)	(C)	(D..	(E)	(F)	(G)
(1)	$ 1.00	$ 1.15	$ .55	$ .67	$ .52	$ 1.00	$ 1.50
(2)	.14	.23	.25	.325	.30	.252	.30
(3)	.13	.225	.22	.25	.26	.294	.295
(4)	15.00	17.00	17.00	13.45	16.00	17.00	20.00
(5)	.17	.19	.22	.21	.215	.18	.17
(6)	.36	.27	.38	.33	.38	.35	.26
(7)	.045	.04	.05	.042	.044	.05	.04
(8)	.08	.08	.10	.11	.08	.07	.10
(9)	17.00	18.00	16.00	14.50	15.50	1600	20.00
(10)	900.00	125.00	1500.00	770.00	560.00	1000.00	500.00
(11)	75.00	50.00	100.00	82.50	88.00	75.00	100.00
(12)	2650.00	3286.11	3520.50	3700.00	3832.00	3858.00	3931.00

	(H)	(I)	(J)	(K)	(L)	(M)	(N)
(1)	$ 1.00	$ 2.00	$ .55	$ .30	$ 2.00	$ .20	$ .40
(2)	.30	.28	.30	.37	.30	.34	.45
(3)	.25	.28	.29	.30	.28	.34	.32
(4)	18.50	16.00	17.00	14.00	25.00	17.50	17.50
(5)	.22	.20	.22	.22	.22	.20	.26
(6)	.50	.38	.35	.35	.38	.30	.40
(7)	.0425	.045	.045	.04	.05	.045	.0425
(8)	.10	.15	.10	.10	.10	.10	.10
(9)	13.50	14.00	16.00	12.00	16.00	17.50	11.00
(10)	150.00	2500.00	1000.00	500.00	1500.00	1000.00	1650.00
(11)	80.00	100.00	100.00	100.00	150.00	75.00	100.00
(12)	3950.00	3975.00	4000.00	4000.00	4000.00	4255.76	4415.00

The contract will be awarded to the low bidder subject to the approval of the PWA.

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EMBER 29, 1934

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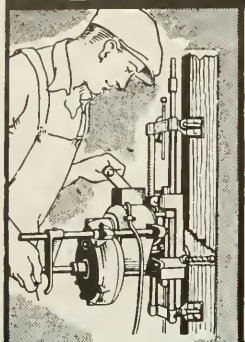

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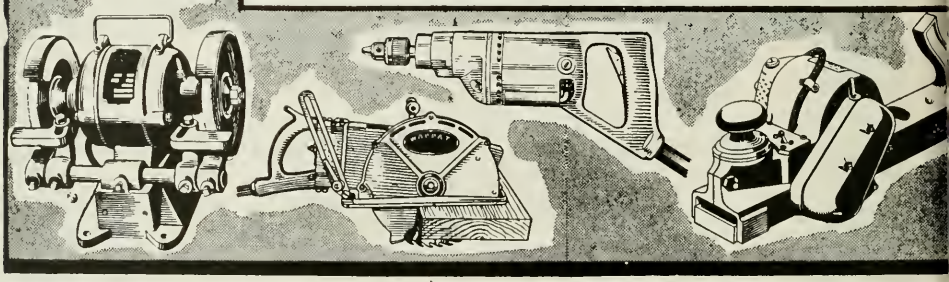

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Vol. XVII SAN FRANCISCO, CALIF., DECEMBER 29, 1934 No. 52

Twelve California Post Offices Out For Bids; Appropriations Total $760,000

Bids for construction of twelve California post offices to cost approximately $760,000 will be opened by the Treasury Department in Washington, D. C, within the next seven weeks. Proposals also are being received for construction of five post offices in Washington, Oregon and Arizona, total cost of which is estimated at $854,059, bringing the grand total of post offices in the coast region now out for bids to $1,614,000.

Locations of post offices in Northern California for which bids have been asked are San Mateo, Woodland, Roseville, Sebastopol, Hollister, San Rafael and Turlock. Southern California post offices now being advertised include North Hollywood, Bell, South Pasadena, Oceanside and Compton. Among the out-of-state buildings on which proposals are being received is the $635,000 Phoenix, Arizona, post office.

Tabulated in the order in which bids are to be opened, the post offices in the coast region now out for bids are:

Sebastopol, to cost $65,000, bids open January 2;

McMinnville, Ore., to cost $70,000, bids open January 4;

Turlock, to cost $63,800, bids open January 7;

South Pasadena, to cost $63,800, bids open January 9;

Baker, Ore., to cost $49,000, bids open January 15;

Hollister, to cost $45,000, bids open January 25;

San Mateo, to cost $117,000, bids open February 8;

Woodland, to cost $69,900, bids open February 8;

North Hollywood, to cost $56,100, bids open February 8;

Roseville, to cost $45,000, bids open February 8;

Bell, to cost $38,300, bids open February 8;

Winslow, Ariz., to cost $49,500, bids open February 11;

Compton, to cost $77,000, bids open February 11;

San Rafael, to cost $64,900, bids open February 11;

Prosser, Wash., to cost $60,000, bids open February 13;

Oceanside, to cost $53,000, bids open February 14.

Phoenix, Ariz., to cost $635,559, bids open February 15.

LUMBER CODE COST PRICES ARE SUSPENDED

NRA Order Drops Control Feature Protested By Western Mills

Suspension of minimum prices for the lumber industry is reported in dispatches from Washington. The National Recovery Administration, it is reported, has rescinded cost-protection prices previously authorized under the national lumber code effective immediately.

Action is based on a recent hearing at which vigorous protests were entered by the west coast division against continued price control.

The research and planning division has been directed to study lumber prices and advise the recovery board whenever it appeared that destructive price cutting is affecting any region or any of the lumber industry products.

It appeared probable that in any case where price cutting developed to a great extent, NRA might use its powers under the code to declare an emergency and reestablish a scale of minimum prices.

The order was the first move in any major industry along lines of the board's policy that price-fixing is "inconsistent with the most effective functioning of our industrial system." The board, however, emphasized the fact that the order does not establish precedence for action on other codes.

Attention was called in the board's announcement to the fact that production control remains in force.

PARKER-WAGNER WIN AWARD ON COURT HOUSE

Architects Recommend Letting Big PWA Job on Segregated Basis

Award of contracts aggregating $1,568,873 for construction of the Alameda county office and courthouse building has been recommended to the Federal Public Works Administration by the board of supervisors.

The supervisors accepted the recommendation of the board of architects that the general contract be let to K. E. Parker and Geo. Wagner on a bid of $948,574. The joint bid of these two contractors was low on the basis of two alternates which the architects selected. The alternatives chosen were for use of oak in preference to Philippine mahogany for interior trim and terra cotta in lieu of cast concrete.

Segregated contracts were let as follows: Structural steel, Pacific Coast Steel Corp., $158,416; Excavation and Foundations, J. Catucci, Oakland, $59,631.05; Elevators, Otis Elevator Co., $104,387; Mechanical, Atta Electric & Mechanical Co., $228,880; Jail equipment, Pacific Electric Mfg. Co., $68,985.

The excavation and foundation contract was awarded to the second low bidder, because Dinwiddie Construction Co. and P. J. Walker Co., had made their low bid on this portion of the work contingent upon award of the general contract to them.

The board of architects in recommending the award to Parker and Wagner reported they were strongly influenced by the promise of the general contractors to let principal sub-contracts to Alameda county firms and to purchase materials from Alameda county dealers in so far as possible. The architects stated that award of $500,000 in sub-contracts to Alameda county firms had been pledged by the successful contractors.

The electrical contract, one of the principal portions of the work which will not be sub-let by the general contractor, will involve purchase of materials estimated at $65,000, all of which is to be spent with Alameda county firms, it was stated.

$30,000,000 Veterans Home Loan Fund Will Aid Building Industry in 1935

One of the most promising sources of new building money in California for 1935 is the $30,000,000 bond issue from which home loans will be made to qualified veterans. The State Veterans Welfare Board has on file approximately 20,000 applications for loans and the present issue will accommodate about 7500. A questionnaire has been sent to the applicants, many of whom have been waiting two years or more for loans, and preliminary returns indicate that not more than ten per cent will ask that the loan be deferred, according to John P. Brennan, chairman of the veterans board.

As a result, money from the bond issue probably will be absorbed as rapidly as the board can disburse it. The policy of the veterans boards will be to make loans only on new construction. Refinancing of existing loans is not looked on with favor because of the risk incurred in making a 20-year committment. It is the policy of the present board also to exercise closer supervision over the type of building on which loans are accepted. In the administration of previous bond issues the board required that the building be completed before the loan was approved. As a consequence nearly all of the building was done on speculation. The experience of the board with this system of financing has been unsatisfactory due to inability to appraise accurately on materials and construction methods after the house was finished.

Acting on the recommendation of architects and contractors, the board has modified its rules to make loans available upon submission of plans and specifications accompanied by a reliable cost estimate.

Through the veterans' home loan act there has been invested $53,969,192 in 11,401 properties. The average cost of homes has been $4,733. The act permits the board to advance a maximum of $5,000 to an individual to be repaid in monthly installments over a period of twenty years with five percent interest on the deferred balance. An initial payment of five percent of the cost is required to cover administrative outlay.

Of the $53,000,000 already invested in homes, approximately sixty per cent is in the counties of Northern California, including Kern and San Luis Obispo and the area north. Los Angeles county has $17,956,360 and San Diego, $1,527,510.

Six counties comprising the San Francisco bay district, San Francisco, Alameda, Contra Costa, Santa Clara, San Mateo and Marin, received a total of $20,598,300. Sacramento has received the fourth largest county allotment, $4,159,760.

The bond issue of 1933 provides nearly three-fifths as much money as has already been loaned by the board.

It is possible, therefore, to estimate from the table below the amount of money and the number of homes which will be built in each county by applying the three-fifths ratio to the figures given. The table shows the distribution of $53,969,192 already invested in residential properties through the veterans act.

County	No. of Homes	Total Cost
Los Angeles	3775	$17,956,369.89
San Francisco	1706	8,373,190.00
Alameda	1664	7,917,345.00
Sacramento	873	4,159,760.04
San Diego	330	1,527,510.00
San Mateo	302	1,457,050.00
San Joaquin	302	1,419,425.00
Santa Clara	274	1,287,360.00
Fresno	259	1,155,572.34
Contra Costa	191	899,680.00
San Bernardino	163	718,280.00
Marin	141	663,675.00
Riverside	115	514,435.00
Santa Barbara	106	504,059.00
Orange	110	503,885.00
Ventura	103	468,275.00
Tulare	107	462,000.00
Kern	98	455,910.00
Stanislaus	90	415,100.00
Solano	71	336,875.00
Butte	68	297,370.00
Yolo	47	219,000.00
Imperial	48	216,830.00
Santa Cruz	44	207,850.00
Sonoma	42	186,950.00
Merced	37	170,650.00
Placer	37	166,900.00
Monterey	35	165,175.00
Yuba	30	137,300.00
Kings	24	123,600.00
Humboldt	28	120,600.00
Siskiyou	23	91,280.00
Madera	20	87,700.00
Sutter	20	80,900.00
San Luis Obispo	17	80,550.00
Mendocino	15	62,050.00
Tehama	10	47,350.00
El Dorado	10	44,950.00
Napa	9	40,150.00
Colusa	9	37,750.00
Glenn	8	35,250.00
Tuolumne	7	29,050.00
Lassen	7	28,500.00
Nevada	6	21,400.00
Shasta	4	18,500.00
Del Norte	4	18,300.00
Lake	3	12,650.00
Amador	2	8,500.00
San Benito	2	7,200.00
Calaveras	1	3,100.00
Modoc	1	3,000.00
Alpine	...	.....
Inyo	...	.....
Mariposa	...	.....
Mono	...	.....
Plumas	...	.....
Sierra	...	.....
Trinity	...	.....
TOTAL	11,401	$53,969,192.00

CODE LEADERS PLAN SESSIONS HERE JAN. 3rd

Important Gathering Scheduled To Greet National Officials

Two meetings are planned by construction code authorities and those of allied industries in San Francisco on January 3 to greet Major Robert N. Campbell, chief deputy NRA administrator, and Louis W. Hickey, executive manager of the Divisional Code Authority for General Contractors.

The visit of these two spokesmen for the administration will afford local code agencies an opportunity to obtain first hand information as to the probable course of NRA legislation and to offer their own recommendations for continuation or modification of the codes.

Major Campbell and Mr. Hickey will arrive early Thursday by plane from Los Angeles where they will attend a similar meeting January 2, according to information received by Floyd O. Booe, secretary of the California state administrative agency for general contractors.

The first session will be held in San Francisco at 2 o'clock in the Concert Room of the Palace Hotel. It will be sponsored by the code coordinating committee of the San Francisco Construction Divisions Conference. Arrangements are in charge of Mano Zan, code coordinator for the Contractors' License Bureau, and Lloyd Flatland, regional code authority for the electrical contractors.

Representatives of all code authorities for the construction industry and affiliated industries are expected to attend this meeting. They will have an opportunity for informal discussion of factors in code administration.

General contractors of Northern California will meet at the Palace Hotel at 8 o'clock Thursday night for a similar discussion of code problems. Mr. Hickey will discuss the general contractors code with particular reference to building contractors.

The two conferences are regarded by local code administrative officers as being the most important meetings of the year having a bearing on code activity. Major Campbell is the deputy NRA administrator having jurisdiction over all construction industry codes. His tour of key cities to obtain information on the operation of the codes in different sections is expected to have a bearing on policies of the NRA in this field. Code leaders also are awaiting with interest the authoritative report on affairs at the national headquarters which the two officials will bring.

Structural Steel Tonnage Gained 20% In 1934; New Works Money Essential

By V. G. IDEN
American Institute of Steel Construction, Inc.

Over 1,100,000 tons of structural steel was fabricated and shipped during 1934. This represented an increase of approximately 20 per cent over the amount fabricated and shipped during 1933. During the same period the bookings have nearly approximated the shipments, wherefore the industry starts the new year with a backlog of work about equal to what it was this time last year. This is the first time in four years that there seems to have been a definite trend upward.

The fabricators of structural steel have been, for many years, the largest consumer of the output of the steel industry. It ranks in first place along with the automobile industry and the railroads as purchasers from the mills. The situation in this industry, therefore, has a very important bearing upon the basic steel industry and like wise is indicative of conditions existing in the field of general contracting because the product, structural steel, goes chiefly into buildings and bridges.

A glance back over the statistics will indicate that the depression did not show its full force on this industry until 1931. The volume of business during 1930 compared very favorably with the average business done during the previous five years. In 1931 the volume dropped off one-third, and it declined another third in 1932. The volume of business done by this industry in 1933 was approximately 25 per cent of its normal, and not until the past few months has any appreciable upturn been noted.

The years of the depression took a tremendous toll, not alone in the volume, but in the profits of the industry. According to a credit survey made by the Robert Morris Associates the leading companies in this industry suffered a net loss of 7.39 per cent on all their business done in 1931. In 1932 the net loss of these same companies was 12.07 per cent. While the volume of business in 1933 was the lowest of any year to date, the industry had, by that time, reached its limit of endurance. The capital structure had been so greatly impaired that management found it impossible to continue to take business at a loss. Very largely as a result of that, the leading companies reported a net loss in 1933 of but 2.59 per cent. The net loss in 1934 is probably wiped away, although as yet there are no official figures on that point.

The industry includes something less than five hundred fabricating shops, which have capacities of from less than 500 to 20,000 tons or more a year. The majority of these shops, however, cannot fabricate probably over 2,500 tons per annum. The industry, therefore, is very widespread and it is not dominated by any one or any group of shops. Their managements are, consequently, at the mercy of economic forces over which they have no control. They have suffered like all members of the durable goods industries.

Before the next Congress adjourns recommendations for a new public works program will come up for debate. Grade crossing elimination, motor parkways and express roads, as well as an enlarged slum clearance operations will undoubtedly be included in these plans. The Administration is apparently convinced that prosperity is impossible so long as available bank credits are not utilized, and that there must be a larger amount of money spent on durable goods. Under the New Deal it is intended that this spending shall start now by the government if private investors do not.

During the ten years, 1920 to 1930, there was actually spent in construction work $9,000,000,000, one-third of which represented public works, that is, federal, state and municipal. A $3,000,000,000 public works program, if it continues to carry the state, county and municipal, as it has in the past year, is therefore no abnormal amount to be spent. It looks large merely because it includes works for the states and local governments as well as for the Federal. Therefore a $12,000,000,000 public works program by the next Congress that is spread over two or more years, is really not abnormal, although it may be considered unusual.

Prosperity is not coming back in this industry until at least that amount of money is spent each year for construction by someone, be it public or private spenders. Construction cannot be stimulated otherwise and it cannot hire back the 5,000,000 men, now unemployed, who once found work therein, until it attains once more that volume. Insofar as the public at large has soberly considered this problem, and insofar as it has been politically decreed that work-relief is preferable to dole, the future of this industry is brighter, much brighter than it has been for the past two years.

R. R. BISHOP LOW ON BURNS CREEK STEEL BRIDGE

Submits $64,000 Proposal on San Simeon-Carmel Highway Span

SACRAMENTO, Dec. 26.—R. R. Bishop of Long Beach, today submitted low bid to the State Highway Commission for construction of a steel bridge on the San Simeon - Carmel highway about 46 miles south of Monterey. Amount of the low bid was $64,014.

The bridge will cross Burns creek and will consist of one 142-ft. deck truss span, two 60-ft. plate girder spans, two 50-ft. plate girder spans and two 30-ft. tower spans. Approximately 585,000 pounds of structural steel will be required.

Total bids submitted on the project were as follows:

R. R. Bishop, Long Beach	$64,014
Bodenhammer Construction Co., Oakland	67,065
M. B. McGowan, San Francisco	68,074
H. J. Oser, San Francisco	68,537
C. W. Caletti & Co., San Rafael	69,449
B. A. Howkins & Co., San Francisco	69,756
Nevis & Harp, Santa Clara	72,322
Fredrickson & Watson Construction Co. & Fredrickson Bros., Oakland	74,532

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HOTEL PLAZA
POST STREET AT STOCKTON
SAN FRANCISCO

$30,000,000 FOR NEW BUILDINGS PLANNED IN 1935

Contractors Told of Prospect for Expanded Construction Next Year

Prospect of new building in Northern California amounting to three times the volume of 1934 is seen for the coming year in a report presented to the members of Central California chapter, Associated General Contractors, at their annual meeting in San Francisco last Friday.

President Geo. Greenwood read a statement from the committee on promotion of new construction indicating a definite committment for new building to date exceeding $30,000,000 in this area during 1935. Estimated expenditures included $18,000,000 for small homes financed with loans by the State Veterans' Welfare Board; Treasury Department buildings authorized, (including San Francisco Mint); San Francisco schools, $2,250,000; public buildings financed by PWA loans and grants, $2,000,000; San Francisco terminal building and other structures for Bay Bridge, $6,000,000.

In addition to these definite allotments the report showed tentative projects which may be expected to mature during 1935 amounting to more than $50,000,000, including the $20,000,000 pledged in FHA modernization campaigns in Northern California cities; $6,276,000 appropriations asked for Army post building in the vicinity of San Francisco; $5,000,000 for Oakland and Berkeley school reconditioning; $7,500,000 for grade separation structures; $5,000,000 for state buildings; $10,000,000 estimated private building.

The report was presented at the dinner held by contractors in the Engineers' Club following the afternoon business meeting.

City Architect Charles Sawyer, one of the speakers at the dinner, told the contractors that the city of San Francisco must plan to spend between five and six million dollars in the next five years to provide necessary additional schools, fire houses and hospital quarters.

Architect Albert J. Evers, architectural advisor to the Federal Housing Administration in Northern California, outlined provisions of Title II of the National Housing Act as they are currently interpreted.

In approving property for insured loans, Mr. Evers said. the FHA (1) will require adequate zoning or deed restrictions to protect the character of the district in which the loan is made; (2) a standard of design that is in keeping with neighboring properties; (3) satisfaction with the personal character of the borrower as a good credit risk.

$322,000 HIGHWAY CONTRACTS AWARDED

SACRAMENTO, December 27.—Contracts aggregating approximately $322,000 were let today by the State Highway Commission. Union Paving Company of San Francisco, at $201,813 received a contract for grading and paving about one and seven-tenths miles in San Mateo countoy to eliminate the Daly City bottleneck. R. R. Bishop of Long Beach was awarded the contract for construction of a steel bridge across Burn Creek on the San Simeon-Carmel highway in Monterey county. The amount of the contract was $64,014. A. J. Raisch of San Jose, at $56,930 received a contract for grading and surfacing about two and six-tenths miles in San Benito county.

PRICE TREND IS REVERSED IN DECEMBER

U. S. Building Material Index Turns Upward. Ending Long Decline

Building material prices advanced two-tenths of one percent in the U. S. Bueau of Labor Statistics average during the first week of December, reversing the downward trend which has continued for several months.

The index on December 8 was 85.1 compared with 84.9 on December 1. The advance was due to price increases in lumber, paint materials, and gravel and sewer pipe. Average prices of brick and tile, cement, plumbing and heating fixtures and structural steel were unchanged.

The new average brings the national price index to its level on November 10, but it remained two tenths of one percent under the average of the corresponding week in 1933.

The low point in material prices for the year was reached in November, the month's index for the group being 85.0, compared with 85.2 in October. During the month increases were reported in six items, decreases in 11 and 69 were unchanged.

Price averages for principal groups as shown by the Bureau index, with comparisons follow:

	Nov., 1934	Nov., 1933
Building materials	85.0	84.9
Brick and tile	91.2	84.7
Cement	93.9	91.2
Lumber	81.2	86.5
Paint and paint mtls.	78.8	76.3
Plumbing and heating	68.8	73.7
Structural steel	92.0	86.8
Other bldg. materials	89.4	88.4

BIDS JAN. 10 ON GYMNASIUM AT HEALDSBURG

To Open Proposals on $60,000 Addition to High School Building

Bids will be opened January 10 by trustees of the Healdsburg High School District for construction of a wing addition to the high school building. Cost of the work, which is to be let under a general contract, has been estimated at approximately $60,000.

Architect John I. Easterly of Healdsburg prepared plans for the building, which call for a one- and two-story wing addition to be of reinforced concrete construction with structural steel frame, with composition roofing, maple floors and steam heating system. The addition will contain the gymnasium, music department and three classrooms.

The work is being financed by a $60,000 bond issue voted recently together with a PWA grant of 30 percent of the cost of labor and materials.

Plans for the Healdsburg grammar school, on which bids have not yet been called, have also been prepared by Mr. Easterly. The grammar school is to be a one-story frame and stucco building in three units.

A $65,000 bond issue to finance this project was approved by voters of the grammar school district last September by a vote of seven to one.

Griffith Co. Low on Los Angeles Grading & Paving

LOS ANGELES, Dec. 27.—Griffith Company of Los Angeles today submitted low bid to the State Highway Engineer here for grading and paving approximately one and one-half miles in the city of Monterey Park between Atlantic Boulevard and New Avenue. The amount of the low bid was $35,454.

The work will require about 5,800 tons of asphalt concrete and includes among other items 7,600 cubic yards unclassified roadway excavation, 405 tons crushed gravel or stone bituminous treated surfacing, 125 tons fuel oil, and 200 tons screenings.

Total bids submitted on the project were as follows:

Griffith Company	$35,454
Geo. R. Curtis Paving Co.	35,493
J. L. McLain	36,132
C. O. Sparks	37,691
Oswald Brothers	38,482
Los Angeles Paving Co.	40,813
South California Roads Co	43,765
P. J. Akmadzich	44,128

All bidders were Los Angeles firms.

CITY, COUNTY and PRIVATE AWARDS

Following are the principal construction contracts awarded by cities and counties of the State of California, and private owners in the four weeks period ending December 27:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Public Utilities Commission, San Francisco	Chlorinating Plant, Irvington.	Chas. A. Bruce & Sons Pleasanton	$ 9,487.00	December 1
Department of Public Works, San Francisco	Resurfacing Market Street	S. F. Bureau of Street Repair	$ 5,889.60	December 5
Department of Public Works, San Francisco	Merced Lands Sewer	MacDonald and Kahn, San Francisco	$ 51,189.15	December 5
Metropolitan Water Dist., Los Angeles	Siphons, Conduit, Etc.; Spec. 82, Riverside County	Griffith Co., Los Angeles	$1,739,846.24	December 8
San Francisco Public Utilities Commission	University Mound Pipe Line Section A	M. J. Lynch, S. F.	$ 89,365.00	December 10
San Francisco Public Utilities Commission	University Mound Pipe Line Section B	Sibley Grading and Teaming Co., S. F.	$133,494.50	December 10
John Peters & Lawrence Borg, Salinas	Theatre	Harold C. Geyer, Monterey	$ 26,558.00	December 10
Los Angeles Board of Public Works	Harbor Blvd. Sewage Pumping Plant, San Pedro	F. F. Greenfield Co Los Angeles	$ 12,884.00	December 15
Los Angeles Board of Public Works	Decanters, Foundations, Etc., Terminal Island	L. W. Odell, Los Angeles	$ 18,994.00	December 15
Los Angeles Board of Public Works	55th Street Improvement	Los Angeles Paving Co., Los Angeles	$ 39,247.62	December 21
Metropolitan Water Dist., Los Angeles	Monrovia Tunnels Nos. 1, 2, 3.	West Const. Co., Los Angeles	$2,190,900.00	December 22
Metropolitan Water Dist., Los Angeles	Pasadena Tunnels	L. E. Dixon Co., Bent Bros., Inc., Johnson, Inc., Los Angeles	$621,180.00	December 22
Los Angeles County Board of Supervisors	La Canada-Verdugo Road Improvement	Osborn Co., Pasadena	$ 43,029.15	December 26

U. S. GOVERNMENT AWARDS

Following are the principal construction contracts awarded by agencies of the U. S. Government in western states, in Hawaiian Islands and Canal Zone in the four week period ending December 27:

Constructing Authority	Contract	Contractor	Bid	Date Awarded
Bureau of Reclamation, Lovelock, Nevada	Rye Patch Dam, Pershing Co., Nevada	J. A. Terteling & Sons Boise, Idaho	$256,322.50	December 3
Bureau of Public Roads, Ogden, Utah	6.826 Miles Highway Construction, Custer County, Idaho	Orino, McHugh and Scioly, Spokane	$ 84,903.20	December 3
Bureau of Public Roads, Ogden Utah	1.567 Miles Highway Construction, Sevier County, Utah	Gibbons and Reed Co., Salt Lake City	$ 36,189.00	December 3
U. S. Engineer Office, Seattle	640,000 c.y. Dredging, Duwamish Waterway	Puget Sound Bridge & Dredging Co. Seattle	$ 96,000.00	December 7
U. S. Engineer Office, Kansas City, Mo.	Fort Peck Dam Spillway, Fort Peck, Montana	Massman Const. Co. Kansas City, Mo.	$7,133,005.00	December 7
War Department, Washington D. C.	Hangar No. 44, France Field Canal Zone	Tucker E. McClure, Cristobal, C. Z.	$177,540.00	December 8
War Department, Washington, D. C.	Armament, Photo Laboratory Etc., France Field, C. Z.	H. B. Nelson Const. Co., Atlanta, Ga.	$ 92,540.00	December 8
Treasury Dept., Washington D. C.	Post Office, Long Beach	Theo. A. Beyer Corp., Los Angeles	$ 32,180.00	December 11
Bureau of Public Roads, Portland	Surfacing, Grant County, Ore.	Schmeer, Williams & Gentemann, Portl'd	$ 49,728.00	December 15
Bureau of Reclamation, Fairfield, Montana	Earthwork & Structures, Ashuelot, Montana	Tomlinson-Arkwright, Great Falls, Mont.	$ 44,847.00	December 18
Construction Division, Washington, D. C.	Officers' Quarters and Dispensary, France Field, C. Z.	Greiben and Martinez, Panama City	$280,219.00	December 18
National Park Service, Washington, D. C.	Post Office, Etc., Grand Canyon National Park, Arizona	D. E. Webb Const. Co Phoenix, Ariz.	$ 45,637.00	December 19
Bureau of Reclamation, Denver, Colorado	Office Building and Dormitories Etc., Parker Dam	Paul S. Webb, Boulder City, Nev.	$ 13,172.00	December 19
Bureau of Reclamation, Earp, California	Street Work, Etc., Parker Dam	R. A. Wattson, Los Angeles	$ 21,998.88	December 21
Bureau of Public Roads, Phoenix, Arizona	4.5 Miles Grading, Yavapai Co., Arizona	Skousen Bros., Albuquerque, N. M.	$417,728.45	December 24
U. S. Engineer Office, Los Angeles	Dredging and Rock Removal, Newport Bay	Standard Dredg. Co. Los Angeles	$879,255.00	December 24
Twelfth Naval Dist., San Francisco	Repairs, Quarters No. 1, Yerba Buena Island	Oliver S. Almlie, San Francisco	$ 11,900.00	December 26
State Division of Architecture, Sacramento	Boiler Plant Etc. (General Contract) Camarillo	L. A. Geisler, Huntington Park	$162,593.00	December 26
State Division of Architecture, Sacramento	Boiler Plant (Mechanical Work) Camarillo	F. C. Schilling, Los Angeles	$ 26,852.00	December 26
State Division of Architecture, Sacramento	Boiler Plant (Refrigeration) Camarillo	York Ice Mchy. Co., Los Angeles	$ 13,325.00	December 26

PERMITS AND CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
668	Christensen	Owner	1000
669	Russo	Frank	1800
670	Davis	Owner	1000
671	Pacific	Dinwiddie	15000
672	Mercantile	Owner	10000
673	Gilmore	Huggard	3000
674	Anderson	Owner	3500
675	Wood	Thulin	1500
676	McAfee	Owner	2500

RETAINING WALL
(668) N WAWONA ST. 120 W 18th Ave. Retaining wall.
Owner — H. Christensen, 1422 27th Ave., San Francisco.
Architect—Not Given. $1000

ALTERATIONS
(669) NO. 1720 TWENTY-SECOND St. Alter dwelling.
Owner—Leon Russo, Premises.
Architect—Not Given.
Contractor—Carl Frank Co., 305 Bocana St., San Francisco. $1800

ALTERATIONS
(670) NO. 568 BIRCH ST. Alter flats.
Owner—Jennie Davis, 3098 California St., San Francisco.
Architect—Not Given. $1000

ALTERATIONS
(671) NO. 74-86 OTIS ST. Alter telephone building.
Owner — Pacific Telephone & Telegraph Co., 140 New Montgomery.
Engineer—R. S. Chew, 140 New Montgomery St., San Francisco.
Contractor — Dinwiddie Construction Co., 210 Crocker Bldg. $15,000

ALTERATIONS
(672) NO. 847 CLAY ST. Alter rooming house.
Owner—Mercantile Mortgage Co., 1440 Broadway, Oakland.
Plans by James R. Lee, 874 Washington St., San Francisco. $10,000

STATION
(673) NW LOMBARD & BUCHANAN Sts. One-story steel auto supply station.
Owner—The Gilmore Oil Co., Third & 18th Sts., San Francisco.
Architect—Not Given.
Contractor — John W. Huggard, 915 Rialto Bldg., S. F. $3000

DWELLING
(674) W 33rd AVE 250 N Taraval; one - story and basement frame dwelling.
Owner—N. W. Anderson, 2427 Twenty-fourth Avenue.
Architect—Not Given. $3500

ALTERATIONS
(675) NO. 3 PRESIDIO TERRACE. Alter dwelling.
Owner—Leonard E. Wood, % Contractor.
Architect--Not Given.
Contractor—A. L. Thulin, 63 Brady St., San Francisco. $1500

DWELLING
(676) S DUNCAN ST. 103 E Noe St. One-story and basement frame dwelling.
Owner—R. A. McAfee, 125 Cervantes Blvd., San Francisco.
Architect—Not Given. $2500

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
499	Oakland	Branagh	3916
499	Giordanella	Owner	1500
500	Regas	May	1000
501	Central	Owner	1000

CLASS ROOMS
(499) W PARK BLVD 500 S Hopkins St., **OAKLAND.** Four one-story Class rooms.
Owner—Oakland School Department, Second Ave. and E-10th St., Oakland.
Architect — W. G. Corlett, Bank of America Bldg., Oakland.
Contractor—J. E. Branagh, 116 Monticello Ave., Piedmont. $979 each

DWELLING
(499) 1166 12th STREET, **OAKLAND;** two-story 3-room dwelling.
Owner & Builder—S. Giordanella, 1170 12th St., Oakland.
Architect—Not Given. $1500

ALTERATIONS
(500) NO. 1628 SEVENTH STREET, **OAKLAND.** Alterations.
Owner — Louis Regas, 1628 7th St., Oakland.
Architect—Not Given.
Contractor — Bay City Cabinet Co., 1076 5th St., Oakland. $1000

ALTERATIONS
(501) NO. 436 FOURTEENTH ST., **OAKLAND.** Alterations.
Owner Central Bank of Oakland, 436 14th St., Oakland.
Architect—Not Given. $1000

BUILDING CONTRACTS

SAN FRANCISCO COUNTY

No.	Owner	Contractor	Amt.
113	Ducatc	Martin	1614
114	Caswell	Cahill	85473

ALTERATIONS
(113) 1074-76 FRANCISCO ST.; al- All work for alterations to apartments.
Owner—Louis Ducato, 1076 Francisco St., San Francisco.
Architect—George E. McCrea, Hearst Bldg., San Francisco.
Contractor—William Martin, 666 Mission St., San Francisco.
Filed Dec. 20, '34. Dated Dec. 20, '34.
Upon completion $1210.50
Usual 35 days..... 403.50
TOTAL COST, $1614.00
Bond, none. Limit, 40 working days after December 26. Forfeit, none. Plans and specifications filed.

FACTORY
(114) N HARRISON AND HAWthorne NE 68-6 NW 137-6 NE 44 NW 37-6 SW 112-6 SE 175 100 V 357. All work for four-story reinforced concrete Class B factory.
Owner—George W. Caswell Co., Second and Harrison Sts., S. F.
Architect — Masten, Hurd & Roeth, 233 Post St., San Francisco.
Engineer—Walter Huber, 1 Montgomery St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Filed Dec. 18, '34. Dated Dec. 15, '34.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $85,473
Bond, $42,736.50. Surety, The Fidelity & Casualty Co. of New York. Limit, 120 calendar days. Forfeit, none. Plans and specifications filed.

ALAMEDA COUNTY

No.	Owner	Contractor	Amt.
115	S. P. Co.	Simonds	$——

DRILLING WELL
(115) WEST OAKLAND YARD OF Southern Pacific. All work for drilling and sinking casing for well.
Owner—Southern Pacific Co.
Architect—Not Given.
Contractor—Ray Simonds and B. A. Simonds Machinery Co., San Francisco.
Filed Dec. 24, '34. Dated Dec. 18, '34.
Payments to be made in full when wells produce output to comply with specifications.....
Not less than 2 wells nor more than four to be drilled at price per well of $6750
Bond. $13,500. Surety, U. S. Guarantee Co. Limit, 180 days. Forfeit, none. Plans and specifications filed.

SAN FRANCISCO UNDER $1000

MOVE and re-hang electric sign, $150 624 Irving St.; owner, Bischopp, Premises; contractor, Laib, 7th and Folsom Sts.

ALTER dwelling, $150; SW 10th Ave. and Pacheco St.; owner, A. R. Lyon, 401 Phelan Bldg.

ALTER restaurant, $200; 160 Columbus Ave.; owner, A. Parente, 555 Hyde St.

ALTER dwelling, $550; 34 Williams; owner, Mollie Guin, Premises.

FLUE, (1) patent, $50; 485 Eddy St.; Geary Blvd.

REPAIR foundation for dwelling, $80; 23-25 Cortland Ave.; owner, A. Minore, 32 Crescent St.

REPAIR fire damage to dwelling. $490; 538 Mississippi St.; owner, Mary Clark, Premises.
owner, Earle Rosenthal, Prem.; contractor, George Wara, 6527

SIGN, electric, $100; 255 Columbus Ave.; owner, Vesuvium Cafe, 255 Columbus; contractor, QRS Neon 690 Potrero Ave.

SIGN, electric, $100; 3137 Mission St.; owner, Lasken Tavern, 3137 Mission St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $150; 22 Montgomery; owner, Yellowstone Buffet, 22 Montgomery St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $150; Post and Taylor Sts.; owner, Post-Taylor Garage, Post and Taylor Sts.; contractor, Elec. Prod. Corp., 255 Golden Gate Avenue.

ALTER industrial building, $250; 923 Harrison St.; owner, **Prospect Co.** 605 Market Street.

SIGN, electric, $150; 490 Geary Street; owner, Hotel Maryland, 490 Geary St.; contractor, State Mfg. Co., 55 Rausch Street.

ALTER flats, $500; 218 Russia Street; owner, Angelo, Simoni, 218 Russia.

SIGN, electric, $125; 550 Irving St.; owner, Fred D. Loretz, 550 Irving; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $125; 3287 Army St.; owner, A. Lagau, 3287 Army St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $100; 2439 Sutter St.; owner, Rapken & Co., 2439 Sutter St.; contractor, QRS Neon, 690 Potrero Ave.

SIGN, electric, $100; 116 Van Ness; owner, Marvel Carbnereter Sales Co., 116 Van Ness; contractor, El. Prod. Corp., 255 Golden Gate Ave.

BUILDING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

1.—Apartments
2.—Boats
3.—Churches
4.—Factories and Warehouses
5.—Flats
6.—Garages and Service Stations
7.—Federal Buildings.
8.—Club Buildings
9.—Hospitals
10.—Hotels

Offices
11.—Ice and Cold Storage Plants
12.—Power Plants
13.—Public Buildings, Fire Houses and Jails
14.—Residences
15.—Schools
16.—Banks, Stores and
17.—Theatres
18.—Wharves & Docks
19.—Misc. Const.
20.—Misc. Supplies &

3— CHURCHES

Bids Opened.
CHURCH Cost, $——
WOODLAND, Yolo Co., Calif. Main and Cleveland Streets.
One-story brick church building (Sunday school) to replace one recently destroyed by fire.
Owner—St. John Evangelical Church (Rev. Carl Saenger, Pastor).
Following bids received:

General Work

Roth Brothers, Woodland	$23,387
J. Witzelberger, Woodland	23,500
A. Paulsen, Woodland	23,600
E. L. Younger, Woodland	27,600
J. G. Motroni, Woodland	31,500

Painting

Wilcoxson & Wilson	$ 2,185
Harry Moore, Woodland	2,799

Plumbing

Espano Plumbing and Heating Co., Woodland	$ 986
Fred. R. McGrew, Woodland	1,305
Woodland Hardware & Plumbing Co., Woodland	1,361
S. P. Hull, Woodland	1,393

Electric

Ernest Conger, Woodland	$ 790
Weider's Elec. Works, Woodland	1,142

Heating

Woodland Plumbing & Hardware Co., Woodland	$1,399.00
Jacob Burns	1,152.85

4— FACTORIES & WAREHOUSES

Additional Contracts Awarded.
FACTORY AND OFFICES Contract Price, $87,473
SAN FRANCISCO. NE Harrison and Hawthorne Streets.
Four-story reinf. concrete factory and office building (composition roof, reinforcing steel, plumbing, heating, etc.)
Owner—Geo. Caswell, 442 Second St., San Francisco.
Architect—Masten & Hurd, 233 Post St., San Francisco.
Contractor—Cahill Bros., 206 Sansome St., San Francisco.
Roofing—Alta Roofing Co., 976 Indiana St., San Francisco. $1374
Sprinkler System — Automatic Fire Protection Co., 519 California St., $7425.
Other awards will be made shortly.

FIRE LOSS
FLORIN, Sacramento Co., Cal. Fire destroyed the Volfi Bakery, owned by J. Volfi, December 19. Damage estimated at $25,000.

Contract Awarded.
ALTERATIONS Cost, $15,000
FRESNO, Fresno Co., Cal. H and Tuolumne Street.
Alterations to dairy.
Owner — Borden Co. of California, Premises.
Architect—Not Given.
Contractor—Trewhitt Shields, Pacific Southwest Bldg., Fresno.

Plans Being Figured.
DAIRY Cost, $7500
SAN FRANCISCO. NW Rickard St. and San Bruno Avenue.
One-story Class C dairy.
Owner—P. Labrucherie, 766 Silver Ave., San Francisco.
Plans by Robert A. Hansen, % Owner
Owner is receiving the bids.

Elevator Contract Awarded.
BREW HOUSE Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Three-story reinforced concrete brew house (40x40 ft.) 18 steel tanks, steel supports, etc.
Owner—Grace Bros., Santa Rosa.
Engineer—L. H. Nishkian, 525 Market St., San Francisco.
Elevator—Otis Elevator Co., 1 Beach St., San Francisco.
As previously reported, steel sash awarded to Detroit Steel Products Co. 111 Sutter St., S. F.; structural steel and miscellaneous iron to Fair Mfg. Co., 617 Bryant St., S. F.; reinforcing steel to W. C. Hauck Co., 280 San Bruno Ave, San Francisco.

Sub-Contracts Awarded.
PLANT Cost, $30,000
STOCKTON, San Joaquin Co., Calif. Port of Stockton Wharf.
One - story corrugated iron shipside plant (500 ft. long by 78 ft. wide) wholesale lumber terminal.
Owner—Santa Fe Lumber Co. (A. J. Russell, Secretary), 16 California Street, San Francisco.
Plans by Engineering Dept. of Owner.
Contractor—John Hachman, Box 206, Stockton.
Roofing—Stockton Roofing Co., 736 N. Sutter St., Stockton.
Electric—Eddy Electric Co., 309 East Weber St., Stockton.
Electric Fixtures—Eddy Electric Co.
Sheet Metal—Fraser Co., 445 S. San Joaquin, Stockton.
Glass—W. P. Fuller & Co., 218 South Aurora St., Stockton.
Brick and Stone Work—John Pengelly, 1426 E. Worth St., Stockton.
Lumber—Santa Fe Lumber Co.
Hardware—Austin Bros., 544 E Main St., Stockton.
Grading—Willard & Biasotti, 40 West Clay St., Stockton.
Foundations—Joe Silver, Stockton.
Trusses — Summerbell Truss Co., 354 Hobart St., Oakland.

6—GARAGES & SERVICE STATIONS

To Be Done By Day's Work.
GARAGE Cost, $4000
SACRAMENTO, Sacramento Co., Cal. 1756 Fourth Avenue.
One-story garage building.
Owner—U. S. Steeves, 521 38th Street, Sacramento.
Architect—Not Given.

Contract Awarded.
SERVICE STATION Cost, $3000
SAN FRANCISCO. NW Lombard and Buchanan Streets.
One-story steel auto supply station.
Owner—The Gilmore Oil Co., Third and 19th Streets.
Architect—Not Given.
Contractor—John Huggard, 915 Rialto Building.

7— FEDERAL BUILDINGS

Bids Wanted—To Close Feb. 14, 1 P. M
POST OFFICE Cost, $56,100
NORTH HOLLYWOOD, Los Angeles Co., Calif.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above office upon deposit of $15.00.

CONTRACT AWARDED
SAN FRANCISCO.—Oliver S. Almlie, 60 Sussex Street, at $11,900 was awarded contract by Twelfth Naval District for repairs to Quarters No. 1 at the U. S. Receiving Station, Yerba Buena Island.

Bids Wanted—To Close Jan. 25, 1 P. M.
POST OFFICE Cost, $45,100
HOLLISTER, San Benito Co., Calif.
United States Post Office.
Owner—United States Government.
Plans by Supervising Architect of the Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office upon deposit of $15.00.

BIDS WANTED
ALAMEDA, Cal.—Until January 8, 2 P. M., bids will be received by the Custodian, Alameda Post Office, for a ninety-foot pipe rail, four vault vents and three bulletin boards in the U. S. Post Office, Alameda. Specifications may be obtained from above office.

BIDS WANTED
MARE ISLAND, Cal.—Bids are being received by the Bureau of Yards & Docks, Navy Department, Washington, D. C., for 40-ton outdoor electric gantry crane and runway at the Navy Yard, Mare Island. Specification No. 7855. Plans and specifications may be obtained from above office or from the Commandant, Mare Island Navy Yard, upon deposit of $10.00.

BIDS OPENED.
ALMIRA, Wash.—H. S. Wright & Co., 2210 2nd Ave., Seattle, at $42,590 submitted low bid to the United States Bureau of Reclamation, Almira, Washington, for the construction of an administration building at Grand Coulee dam, Columbia Basin Poject. It will be a one-story building, approximately 48x44 feet in size, with a full basement and an attic storeroom. The outside walls will be of wood frame construction covered on the outside with wood sheathing, building paper, and drop siding or smooth siding, and on the inside with metal lath and plaster. The interior partitions will be of wood frame construction covered with metal lath and plaster. The roof will be covered with wood shingles over wood sheathing. Basement floors will be concrete and all wood finish floors will be oak.
Complete bids follow:

E. H. Peterson & Co., Wilbur	$43,000
G. C. Gorsuch, Wenatchee	44,110
Butler Const. Co., Seattle	44,450
Clark and Early, Seattle	44,550
Ryberg & McCaul, Seattle	44,579
McDonald & Gummere, Coulee Dam	46,995
J. J. Lohrenz, Spokane	48,340

Western Const. Co., Seattle..... 53,344
A. S. Hansen, Seattle..... 51,640

BIDS WANTED.

WILLOWS, Glenn Co., Calif.—Bids are being received by the Custodian, U. S. Post Office, Willows, for repairs and painting at the U. S. post office at Willows.

BIDS WANTED.

ALAMEDA, Alameda Co., Calif.—Bids are being received by the Custodian, Alameda Post Office for pipe rail, vault vents, etc., in the U. S. post office in Alameda.

BIDS WANTED

SAN DIEGO, Cal.—Until January 4, 11 A. M., bids will be received by the Eleventh Naval District, San Diego, for refrigerating plant for storage facilities building at the Naval Operating Base (Supply Depot Annex), San Diego; Specifications 7861. The work is divided in general into three parts: Part I includes the furnishing and installing of (a) one new ammonia compressor unit; (b) one complete set of refrigerating coils in an existing refrigerating room; (c) new bunkers in refigerating room; (d) two refrigerating room themostats; and (e) the necessary piping and fittings and electrical work to complete the installation. Part II includes the installation only of new materials furnished by the government, consisting of (a) refrigerator door; (h) cory insulation with asphalt and asphalt emulsion for plastic finish in refrigerator room; (c) galvanized iron cooling tower on building roof; and (d) three water circulating pumps. Part III includes the moving (from the present location) and reinstalling at the new location of: (a) the existing refrigerating equipment for and including the two existing show cases for meats; and (b) an existing refrigerating ammonia compressor to be used as auxillary to connect with new refrigerating equiment. All necessary piping and fittings required to install the old and new work and all electric wiring from the six existing safety switches on the adjacent building walls to the compressors and to the three water circulating pumps shall be provided and installed by the contractor. Bidding data may be obtained from the district in San Diego upon deposit of a check or postal money order for $10, payable to the Chief of the Bureau of Yards and docks.

Bids Wanted—To Close January 16, 1 P. M.

POST OFFICE Cost, $60,000
PROSSER, Washington.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Date was previously set for January 15. Plans and specifications may be obtained from above office upon deposit of $15.

Bids Wanted—To Close Feb. 11th.

POST OFFICE Cost, $39,500
WINSLOW, Arizona.
U. S. Post Office Building.
Owner—United States Government.
Plans by Supervising Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from the above office.

Bids Wanted—To Close Feb. 8.

POST OFFICE Cost, $38,300
BELL, Los Angeles Co., Cal.
U. S. Post Office.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept. Washington, D. C.
Plans and specifications may be obtained from above office.

Bids Wanted—To Close Feb. 15.

POST OFFICE Cost, $635,559
PHOENIX, Arizona.
Two-story steel frame Post Office building (195x163) masonry walls, clay tile roofing, asphalt block paving, ornamental iron, bronze and hollow metal work, metal counters, ventilating and air conditioning system, etc.
Owner—United States Government.
Architect—Lescher & Mahoney, 1100 Title & Trust Bldg., Phoenix.
Plans and specifications may be obtained from above office.

BIDS WANTED

HONOLULU, T. H.—As previously reported, until Jan. 16, 11 A. M., bids will be received by the Commandant, 14th Naval District, U. S. Navy Yard, Pearl Harbor, T. H., for the relocation of two buildings. The buildings are 60x200 feet with a connecting passage 60x40 feet. They have asbestos covered metal roofing and siding, steel columns, and steel roof trusses. The building will be re-erected with a length of 140 feet and will contain new plumbing, storm and sanitary drainage, concrete floors, corrugated asbestos roofing and the salvaged electric light system.

Plans and specifications may be obtained from above office and from the Commandant, 12th Naval District, 100 Harrison Street, San Francisco, upon deposit of $10.00.

Bids Wanted—To Close February 13, 1 P. M.

POST OFFICE Cost, $49,000
BAKER, Oregon.
United States Post Office
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washingfiton, D. C.

BIDS OPENED.

FRANCE FIELD, C. Z.—Bennett & Taylor, 1978 S. Los Angeles Street, Los Angeles at $16,842 (item a) and $14,442 (item b) submitted only bid to the Constructing Quartermaster, San Francisco, for the installation of a hydraulic gasoline fueling system at France Field.

BIDS WANTED

SAN FRANCISCO — Until January 16, 11 A. M., bids will be received by Public Works Officer, U. S. Navy Yard, Mare Island, for replacing two water tanks, and supporting platforms; for providing a new water filter and new water pump; for enlarging a bathroom in Quartera No. 6; for installing new windows in Quarters No. 3; for replacing all windows in Quarters No. 4 and for replacing or repairing wooden sidewalks, all at the U. S. Naval Direction Finder Station, Farallon Island, Calif. Specification No. 7757.

Plans and specifications may be obtained from the above office and from the Chief of the Bureau of Yards and Docks, Navy Dept., Washington, D. C., upon deposit of $5.00.

BIDS OPENED.

SAN FRANCISCO.—Louis C. Dunn, Monaduock Bldg., at $2,075 submitted low bid to Custodian, San Francisco Post Office, for painting plaster in the post office at San Francisco.

Complete bids follow:

Louis C. Dunn	$2,075
Nick Hemminga	2,100
Thomas M. Jones	2,183
Fred. J. Early, Jr.	2,486
San Francisco Const. Co.	2,694

BIDS OPENED

SAN FRANCISCO—Oliver S. Almlie, 60 Sussex St., San Francisco, at $9990 submitted low bid to 12th Naval District for repairs to Quarters No. 1 at the U. S. Receiving Station, Yerba Buena Island. Complete bids follow:

(1) Work complete.
(2) Using prepared roof in place of tin roof, deduct.
(3) Omission of servants' bathrooms, deduct.
(4) Omitting linoleum, deduct.
(5) Add sleeping porch, add.

Oliver S. Almlie	(1)	$ 9,990
	(2)	500
	(3)	150
	(4)	200
	(5)	200
Theo. Johanns	(1)	$10,250
	(2)	750
	(3)	200
	(4)	100
	(5)	225
William Martin	(1)	$11,857
	(2)	746
	(3)	182
	(4)	85
	(5)	153
Fred J. Early Jr.	(1)	$12,190
	(2)	806
	(3)	200
	(4)	144
	(5)	380
Bodenhammer Constr. Co., Oakland	(1)	$13,298
	(2)	622
	(3)	223
	(4)	150
	(5)	269
Clinton Constr. Co.	(1)	$13,900
	(2)	800
	(3)	300
	(4)	110
	(5)	350
Henry Papenhausen	(1)	$14,170
	(2)	851
	(3)	154
	(4)	410
	(5)	200

All bidders of San Francisco, unless otherwise noted.

Bids held under advisement.

Plans Being Figured—Bids Close Feb. 8th.

POST OFFICE Cost, $45,000
ROSEVILLE, Placer Co., Cal. e
U. S. Post Office Building.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office.

Plans Being Figured—Bids Close Feb. 8th.

POST OFFICE Cost, $69,900
WOODLAND, Yolo Co., Cal.
U. S. Post Office.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office.

Bids Wanted—To Close Feb. 8.

POST OFFICE Cost, $117,000
SAN MATEO, San Mateo Co., Cal.
U. S. Post Office.
Owner—United States Government.
Plans by Sup. Architect, Treasury Dept., Washington, D. C.
Plans and specifications may be obtained from above office.

9— HOSPITALS

Complete Bid Listing.

HOSPITAL AND QUARTERS Cost, $180,000
NESPELEM, Washington. Colville Indian Agency.
Hospital, two doctors' rouses, nurses' quarters(hospital will have reinforced concrete construction, light weight steel beams, reinforced concrete floors, etc.; nurses' quarters, masonry walls, asbestos

shingle and clay tile roofing, hot water heating system, high pressure steam boilers).
Owner — United States Government (John Collier, Commissioner of Indian Affairs).
Architect—Schmidt, Garden & Erikson, 104 S. Michigan Ave., Chicago
Low Bidder — Western Constr. Co., Textile Tower, Seattle, Washington, at $131,680.
(1) Work complete.
(2) Deduct for omission of Doctor's House No. 2.
(3) Deduct for omission of Doctor's House No. 1.
(4) Deduct for omission of nurses' quarters.
(5) Add for tile roofing.
(6) Deduct.
(7) Deduct for omission of roads, walks, etc.
(8) Deluct for omission of kitchen equipment.

Western Constr. Co., Seattle Wshington	(1)	$131,682
	(2)	13,436
	(3)	12,300
	(4)	15,398
	(5)	494
	(6)	50
	(7)	646
	(8)	1,290
J. W. Bailey Constr, Co., Seattle	(1)	$148,786
	(2)	9,570
	(3)	9,520
	(4)	12,917
	(5)	1,423
	(6)	125
	(7)	1,208
	(8)	1,292
Henrikson & Alstrom Const. Co., Seattle	(1)	$155,270
	(2)	10,835
	(3)	11,075
	(4)	13,665
	(5)	1,000
	(6)	140
	(7)	1,000
	(8)	1,300
MacDonald Building Co., Tacoma	(1)	$156,658
	(2)	11,556
	(3)	11,684
	(4)	14,949
	(5)	1,603
	(6)	150
	(7)	11,000
	(8)	1,300
MacRae Bros., Seattle	(1)	$187,000
	(2)	12,000
	(3)	12,000
	(4)	15,000
	(5)	1,600
	(6)	137
	(7)	1,698
	(8)	1,600

Plans Being Completed.
ADDITION Cost, $6500
SANTA ROSA, Sonoma Co., Calif.
Addition to hospital (add operating room, six major rooms, etc.) work involves roughing - in plumbing and electrical work.
Owner — Santa Rosa Hospital, Santa Rosa.
Architect—John I. Easterly, 302 Grant St., Healdsburg.
Bids will be asked in one week.
Bids will be taken on a general contract omitting pointing, electrical fixtures and plumbing fixtures which will be furnished by the owner.

FUNDS ALLOTED
LONG BEACH, Cal.—PWA allotted $402,000 to Sisters of Charity of the Incarnate Word, for construction of a five-story fireproof hospital building and a one-story service building, including purchase and installation of certain equipment.

Contracts Awarded.
BOILER PLANT Cost, $162,593
CAMARILLO, Ventura Co., Cal. State Hospital Site.
One-story reinforced concrete kitchen; one-story reinforced concrete dining room building, and one-story reinforced concrete boiler plant (clay tile roofs).
Owner—State of California.
Architect—Geo. B. McDougall, State Architect, Public Works Building, Sacramento.
Contractor—L. A. Geisler, 6212 Middleton St., Huntington Park.
Mechanical Work — F. C. Schilling, 3215 Beverly Blvd., Los Angeles, $26,852.
Electrical Work—Eddy Electric Co., 309 E. Weber St., Stockton, $6,403.
Refrigeration—York Ice Machinery Co. 5051 Santa Fe Ave., Los Angeles, $13,325.

10— HOTELS

To Be Done By Day's Work.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. 847 Clay Street.
Alterations to rooming house.
Owner—Mercantile Mortgage Co., 1440 Broadway, Oakland.
Plans by James R. Lee, 874 Washington Street.

Iron Contract Awarded.
REMODEL HOTEL Cost, $——
SANTA ROSA, Sonoma Co., Cal. Fifth Street.
Remodel hotel building (painting, decorating, furnishing, etc.)
Owner — Santa Rosa Hotel (Max and Fred Rosenberg), Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Lessee—Will A. Conway.
Mgr. of Const.—Koch & Pettersen, 130½ Steiner Court, Santa Rosa.
Iron Works—Patterson & Koster Iron Works, 280 13th Street, San Francisco.

Contract Awarded.
ALTERATIONS Cost, $1000
SAN FRANCISCO. No. 386 Geary Street.
Alterations to Fielding Hotell.
Owner—Fielding Hotel, Premises.
Architect—D. D. Stone, 110 Sutter St., San Francisco.
Lindgren & Swinerton, 225 Bush St., San Francisco.
This is the first unit of the work to be done. Further details will be announced shortly.

13— PUBLIC BUILDINGS FIRE HOUSES & JAILS

PLANNED
WALLA WALLA, Wash.—Warden J. M. McCauley wil ask appropriation at the next meeting of legislature for following improvements at the State Penitentiary, Walla Walla, Wash.:
Isolation work for 150 prisoners.
Thirty-car garage for officers' cars.
Enlargement of kitchen and dining rooms.
Enlargement of chapel.
Construction of wall around trustees' quarters.

TO SEEK FUNDS
SAN DIEGO, Cal.—The City of San Diego will apply for $1,450,000 of the State's $48,000,000 relief fund for four municipal building projects, the City Council decided last week. The projects are: California building for the California Pacific International Exposition, $500,000; San Diego building for the exposition, $500,000; two new wings and enlargment and modernization of city library, $300,000; new city prison and police station, $250,000.

CONTRACT AWARDED
SAN FRANCISCO. — C. J. Waterhouse, 55 New Montgomery Street, at $475.00 submitted only bid and awarded contract by Department of Public Works for traffic guides for revolving doors on the Van Ness Avenue entrance to the City Hall.

FAIRBANKS, Alaska.—PWA allotted $50,000 to town of Fairbanks for construction of a two-story and part basement town hall building; repairs and extensions to sewerage system and replacement and repairs of sidewalks.

Planned.
LIBRARY Cost, $9000
OAKLAND, Alameda Co., Ca. Glenview Branch.
Construct new branch library.
Owner—City of Oakland (library trustees).
Architect—Not Selected.

FUNDS ALLOTTED.
Contracts Awarded.
COURT HOUSE Total Cost, $1,568,873
OAKLAND, Alameda Co., Cal. Fallon, Twelfth, Oak and 13th Streets.
Twelve-story fireproof court house (structural steel frame, reinforced concrete, walls, permanent and earthquake - resistive, plumbing, heating, ventilating, electric work, elevators (to house all county offices and courts) three lower floors to be 176x245 ft. and upper floors 116x116 feet.
Owner—County of Alameda.
Architects—W. G. Corlett, James E. Plachek, W. E. Schirmer, Carl Werner, H. A. Minton, 910 Bank of America Bldg., Oakland (GLencourt 2902).
Consulting, Mechanical and Electrical Engineer—G. M. Simonson, 20 Loreta Ave., Piedmont.
Contractor—George Wagner, 181 So. Park, and K. E. Parker 135 South Park, San Francisco, $948,574.
Contract awarded on Proposition 3, (building complete with certain omissions) alternate C, substituting terra cotta for concrete cast-in moulds, alternate B, substituting oak for Philippine mahogany.
Excavation and Foundations—J. Catucci, 1212 18th Ave., Oakland, $59,631.05.
Structural Steel — Pacific Coast Steel Corp., 20th and Illinois Sts., San Francisco, $158,416.
Elevators—Otis Elevator Co., 1 Beach St., San Francisco, $104,387.
Mechanical Work—Alta Electric and Mechanical Co., 467 O'Farrell St., San Francisco, $228,880.
Jail Equipment—Pacific Electric Mfg. Co., 5815 Third St., San Francisco, $68,985.
Following sub - contracts submitted with bid of George Wagner and K. E. Parker:
Concrete and Masonry—General Contractors.
Mill Work—National Mill and Lumber Co., 400 High St., Oakland, $59,000.
Sheet Metal—Guilfoy Cornice Works, 1234 Howard St., San Francisco, $9,573.
Lath and Palster—Wm. Makin, 2141 Livingston, Oakland, $121,900.
Ornamental Iron and Bronze—Monarch Iron Works, 262 7th St., San Francisco, $41,246.
Tile—Rigney Tile Co., 3012 Harrison St., Oakland, $7,639.
Marble—Jos. Musto Sons Keenan Co., 535 North Point St., San Francisco, $31,706.
Cork Flooring—L. S. Case, Inc., 7th and Daggett Sts., San Francisco, $610.
Asphalt Tile—L. S. Case Inc., Seventh and Daggett Sts., San Francisco, $1,629.
Linoleum Wainscot—West Coast Linoleum & Carpet Stores, 2703 Mission St., San Francisco, $18,975.
Granite—McGilvray Raymond Corp., 3 Potrero Ave., San Francisco, $9,-830.00.

Limestone—Indiana Limestone Co., 130 Lunada Way, San Francisco, $8,-654.00.
Composition Roofing—Generl Roofing Co., 3985 Beach St., Oakland, $3,-000.00.
Architectural Terra Cotta N. Clark & Sons or Kraftile Co., 116 Natoma St., San Francisco, $36,000.
Reinforcing Steel—Judson Pacific Co., 609 Mission St., San Francisco, $35,000.
Finish Hardware—Associated Hardware Co., 3860 San Pablo Avenue, Oakland, or Marshall Newell Co., Spear and Mission Sts., San Francisco, $12,964.
Glass and Glazing—W. P. Fuller and Co., 259 10th St., Oakland, $20,676.
Vault Equipment—Hermann Safe Co., Howard and Main Sts., San Francisco, $1,820.
Stack Equipment—M. G. West Co., 117 Front St., San Francisco, $4,725.
Painting and Decorating—D. Zelinsky, 165 Grove St., San Francisco, $23,-457.00.
***Electrical Work** — General Contractors.
*Materials to be purchased in Alameda County, estimated to cost $65,-000.

14— RESIDENCES

Sub-Contracts Awarded.
RESIDENCES Cost, $9386
OAKLAND, Alameda Co., Cal. Piedmont Pines.
Three 1-story frame and stucco residences (5 rooms each); shingle roof, gas heating system, hardwood floors, etc.
Owner—Withheld.
Architect—Miller & Warnecke, Financial Center Bldg., Oakland.
Contractor—W. Vernon Bernard, 227 San Carlos St., Berkeley.
Heating and Sheet Metal — Cranholt Sheet Metal Co., 921 University Ave., Berkeley.
Tile Work—Superior Tile & Products Co., 3743 Broadway, Oakland.
Hardwood Floors — Chas. Josephson, 2140 Curtis St., Berkeley.
Brick and Stone Work—Henry Koening, 4418 Ygnacio St., Oakland.
Lumber—Bay City Lumber Co., 48th Ave. and E-12th St., Oakland.
Foundations — V. Di Zillo, 1022 53rd St., Oakland.
Reinforcing Steel—McGrath Steel Co., 354 Hobart St., Oakland.

Contract Awarded.
ALTERATIONS Cost, $5000
SAN FRANCISCO. 1720 22nd Street.
Alterations to frame residence.
Owner—Leon Russo, 1720 22nd Street.
Architect—Not Given.
Contractor—Carl Frank Co., 305 Bocana Street.

Plans Being Prepared.
RESIDENCE Cost, $4000
BERKELEY, Alameda Co., Cal. San Antonio Avenue.
One - story and basement frame and stucco residence (5 rooms) shake roof, unit gas fired warm air heating system, hardwood floors, etc.
Owner—Withheld.
Architect—Hardman & Russ, 2068 Allston Way, Berkeley.

Contract Awarded.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 3011 Van Ness Blvd.
Two-story frame and stucco residence
Owner—Walker & Walker.
Architect—Not Given.
Contractor—G. C. Walker, 437 Cornell St., Fresno.

To Be Done By Day's Work.
RESIDENCE Cost, $5000
FRESNO, Fresno Co., Cal. No. 546 Harvard Street.
One-story frame and stucco residence
Owner and Builder—W. H. Richmond, 1379 Adeline St., Fresno.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $2,000
OAKLAND, Alameda Co., Calif. 1166 Twelfth Street.
Two-story frame residence (3 rooms).
Owner and Builder — S. Giordanella, 1170 12th St., Oakland.
Architect—Not Given.

To Be Done By Day's Work.
RESIDENCE Cost, $4,000
SAN FRANCISCO. W 33rd Avenue 250 N Taraval Street.
One - story and basement frame and stucco residence.
Owner and Builder—N. W. Anderson, 2427 24th Avenue.
Architect—Not Given.

To Ask Bids January 2.
RESIDENCE Cost, $7000
OAKLAND, Alameda Co., Cal. Piedmont Pines Tract.
One and one - half - story frame and brick residence (7 rooms, 2 baths) hot air heating system, tiled baths, steel sash, oak floors.
Owner—Helen Bennett.
Architect—Fred Confer, 2812 Russell Street, Berkeley.

Low Bidder.
RESIDENCE Cost, $7,000
SANTA ROSA, Sonoma Co., Calif.
Two-story frame and stucco residence (7 rooms, 2 baths) Spanish style; tile roof, floor furnace, hardwood floors, tile baths, etc.
Owner—George Rothang.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.
Low Bidder—Ellis Ahlstrom, 411 Short St., Santa Rosa.

Plans Being Figured.
RESIDENCE Cost, $——
SANTA ROSA, Sonoma Co., Calif.
Two - story and basement frame and stucco residence (7 rooms and 3 baths) tile roof, tile baths, hardwood floors (type of heating not determined).
Owner—Wm. Shackleton, Santa Rosa.
Architect—Herbert & Caulkins, Rosenberg Bldg., Santa Rosa.

December 26, 1934

Bids Opened.
RESIDENCE Cost, $——
SANTA CLARA COUNTY, Cal. Cypress Avenue, 6 miles out of San Jose.
One-story and basement frame and stucco residence (5 rooms, 1 bath) tile roof, electric heating system, hardwood floors, tile bath, etc.
Owner—Withheld.
Architect—Wm. Higgins, 19 N-Second St., San Jose.
Low Bidder — J. Santi, 545 Madera Ave., San Jose.
Complete bids follow:

J. Santi	$4316
M. W. Reese	4599
J. E. Perkins	4650
J. W. Osborn	4699
C. F. Keesling	4702
Wm. H. Schwartz	4737
N. J. Nielsen	4795
W. Caldwell	4970
Earl Heple	5430

Bids held under advisement.

PROPERTY PURCHASED
SAN MATEO, Cal.—Oscar F. Cavanagh, 432 Occidental Ave., San Mateo, has purchased a ten-acre tract in the Geo. Henry Howard Estate in Hillsborough. Approximately $100,000 involved in the transaction. Mr. Cavanagh plans to construct a group of residences. Further details will be announced shortly.

To Be Done By Day's Labor.
RESIDENCE Cost, $3000
SAN FRANCISCO. S Duncan St. 108 E Noe Street.
Owner—R. A. McAfee, 125 Cervantes Blvd., San Francisco.
Architect—Not Given.

15— SCHOOLS

BIDS WANTED
BERKELEY, Alameda Co., Cal.—Until January 9, 2 P. M., bids will be received by the Berkeley Board of Education for structural steel (in place including shoring and tests); sheet metal; cement gun concrete (gunite); heating and ventilating, including stacks, for the reconstruction of the Thousand Oaks School, Tacoma and Colusa Sts., Berkeley.

BOND ELECTION
ORANGE COUNTY, Cal.—Centralia School District, Orange County, will hold an election January 4 at which time it is proposed to vote bonds in the sum of $30,000, proceeds to be used to finance the construction of a new school building. It will be a frame and stucco structure, containing five classrooms, auditorium, manual training department and domestic science department.

Plans Awaiting PWA Approval.
SCHOOL Cost, $30,000
PORTOLA, Plumas Co., Cal.
One-story frame and stucco grammar school (5 classrooms and recreation room).
Owner—Portola Grammar School Dist.
Architect — Harry Devine, Califonia State Life Bldg., Sacramento.

BIDS WANTED
LOS ANGELES, Cal.—Until January 11, 11:30 A. M., bids will be received by the purchasing Bureau of Los Angeles Board of Education, 1425 S. San Pedro St., for the erection of a new frame and stucco main building at the Chatsworth Park School, 22,025 Devonshire St., Van Nuys District. The building will be 56x152 feet in area; composition roofing, metal roof vents, wood transom windows, ornamental iron railings, stucco urns, cement and wood floors, etc. Frank P. Allen Jr., 603 Architects' Bldg., architect, and Murray Erick, 811 W. 7th Street, structural engineer. Cost, $44,138.

PREPARING SKETCHES
LOS ANGELES, Calif. — Architects Henry Carlton Newton and Robert Dennis Murray, 502 Architects' Bldg., have prepared sketches for a new building to be built at the St. Ambrose School, located at Fountain and Fairfax Blvds., for the Roman Catholic Bishop of Los Angeles and San Diego. The building will be a two-story, reinforced concrete structure. Cost, $40,000.

BIDS WANTED
LOS ANGELES, Ca. Until January 10, 11:30 A. M., bids will be received by the Los Angeles Board of Education, 1425 San Pedro St., for reconstruction, strengthening and rehabilitation of the main building, auditorium building, 1927 addition, and boys' and girls' physical eduoation buildings at Thomas A. Edison Junior High School, located on Hooper Ave., between 64th and 67th Sts. Plans may be obtained at 1425 San Pedro St. upon deposit of $25. Certified or cashier's check or bond for 10 per cent must accompany each bid. H. E. Griffin, Secretary. Cost, $256,646. A. R. Walker and P. A. Eisen, 708 Pacific Commerce Bldg., Architects, and Murray Erick, 811 W. Seventh St., Structural Engineer.

LONG BEACH, Cal.—Until Jan. 9, 4 P. M., bids will be received by the Long Beach board of education for the construction of buildings B, D and F at the Alexander Hamilton Jr. high school site. Separate bids will be taken on the general, plumbing, electric wiring, heating and ventilating. Schilling & Schilling, 145 Linden Ave., Long Beach, architects and engineers. A deposit of $25 is required for plans. Cost, $270,000.

LOW BIDDER.

LOS ANGELES, Cal.—H. A. Nichols, 936 East Slauson Avenue submitted low bid to Los Angeles board of education at $55,938, for reconstructing, rehabilitating and strengthening the main building at the Glassell Park school, 2211 W. Avenue 30. Edward C. Taylor, architect; Ellis W. Taylor, 803 W. Third St., structural engineer.

LOW BIDDER.

BEVERLY HILLS, Los Angeles Co. Cal.—Steed Bros., 5 S. Stoneman Ave. Alhambra, submitted low bid to the Beverly Hills board of education at $53,980, for construction of new building on the Hawthorne school site, 624 N. Rexford Drive, Beverly Hills. R. C. Flewelling, 614 Architects' Bldg., Los Angeles, architect.

LOW BIDDERS.

LONG BEACH, Cal.—J. A. Webb, 1235 E 10th St., Long Beach, submitted low bid on general contract (using salvaged materials) to the Long Beach board of education at $45,870.-75, for the construction of a school building on the Bryant school site. Low bids on other contracts were: Hickman Bros., 910 E. Anaheim St., Long Beach, on plumbing and heating at $3860; I. W. Egge, 2222 E 4th St., Long Beach, on electric wiring at 3190. Raymond A. Sites, 206 E Fourth St., Long Beach, architect.

Bids Wanted—To Close Jan. 8, 2 P. M.

SCHOOL Cost, $——

NEWBERG, Oregon.

One - story and basement grammar school (247x87 ft.) reinforced concrete, brick and hollow tile construction, asbestos shingle roof; will contain 11 classrooms, large auditorium, offices, kitchen, cafeteria, etc.

Owner—School District No. 29, Yamhill County, Oregon.

Architect—F. Marion Stokes, Terminal Sales Bldg., Portland.

Plans Awaiting PWA Approval.

REPAIR SCHOOLS Cost, $65,000

CROCKETT, Contra Costa Co., Calif.

Repairs and earthquake - proofing of Crockett grammar school & John Swett high school.

Owner—Crockett School District.

Engineers—H. D. Dewell and A. W. Earl, 55 New Montgomery Street, San Francisco.

Consulting Architect—H. H. Gutterson, 526 Powell St., San Francisco. State Division of Architecture has approved the plans.

LOW BIDDER.

VENICE, Los Angeles Co., Calif.—Clinton Const. Co., 1103 Spring-Arcade Bldg., submitted low bid to Los Angeles board of eucation at $324,000 for erection of administration building, senior building, junior building and connecting arcades at Venice high school. John C. Austin and F. M. Ashley, Chamber of Commerce Bldg., Los Angeles, architects.

Bids Wanted—To Close January 9, 2:30 P. M.

SCHOOL Cost, $——

SAN FRANCISCO. Schwerin Street, between Visitacion & Leland Sts. (Visitacion Valley School).

School unit (15 classrooms, library) reinforced concrete construction.

Owner—City and County of San Francisco.

Architect—Hyman & Appleton, 68 Post St. and G. Albert Lansburgh, 140 Montgomery Street.

Mechanical Engineers—Leland & Haley, 58 Sutter Street.

Structural Engineer—K. Theill, 580 Market St.

Bids are being taken as follows:

General Work: Estimated cost $210,-000. Deposit for plant, $25.

Mechanical Equipment and Plumbing: $26,000; $15.00.

Electric: $10,500; $15.00.

On previous bid opening lowest bid was submitted by F. J. Keilly, 6350 Fulton St., at $181,231 on the general, Anderson & Rows, 45 Belcher St. on mechanical equipment at $21,980 and Central Electric Co., 179 Minna St. on electrical at $10,632.

(4699) 1st report June 14; 8th Dec.

Plans Being Figured—Bids Close January 10.

IMPROVE SCHOOL Cost, $3500

SANTA CRUZ, Santa Cruz Co., Cal. Live Oak School District.

Addition to Live Oak School (add two classrooms, each to be 32 ft. sq.) frame and stucco construction, shingle roof.

Owner—Live Oak School Dist. (Frank A. Anderson, Clerk), Box 697, Rte. 2, Santa Cruz.

Architect—W. E. Higgins, 19 N-Second St., San Jose.

Plans and specifications may be obtained from the architect upon deposit of $10.

LOW BIDDERS

LONG BEACH, Cal. — J. A. Webb, 1235 E. 10th St., Long Beach, submitted low bid on general contract (using salvaged materials) to the Long Beach Board of Education, December 21, at $45,870.75 for the construction of a school building on the Bryant School site. Low bids on other contracts were: Hickman Bros. 910 E. Anaheim St., Long Beach, on the plumbing and heating at $3860; I. W. Egge, 2222 E 4th St., Long Beach, on the electric wiring at $3190. Raymond A. Sites, 206 E. Fourth Street, Long Beach, architect.

BID OPENING DATE POSTPONED

SANTA ANA, Orange Co., Cal.—Until January 14, 2 P. M., (opening date extended from January 8), bids will be received by the Board of Public Buildings Reconstruction for the erection of blocks "A" and "D" at Santa Ana High School in accordance with plans prepared by Architects Allison & Allison, 1014 Edison Bldg., Los Angeles.

BIDS WANTED

BERKELEY, Alameda Co., Cal.—Until January 9, 2 P. M., bids will be received by the Berkeley Board of Education for materials for the reconstruction of the Thousand Oaks School, Tacoma and Colusa Streets, Berkeley. Materials wanted as follows:

Lumber; concrete materials; reinforcing steel; miscellaneous iron, plumbing; rough harwdare; mill work; building paper; lath and plaster; electrical supplies; asphalt pavement repairs; finish hardware; mastic surfacing; painting materials; glass; blackboards and cork carpets.

Bids Wanted—To Close Jan. 3, 3 P. M.

SCHOOL Cost, $——

SAN JOSE, Santa Clara Co., Cal. Orchard District, Gish Road.

One-story wood frame school (1 classroom) rustic exterior, composition roofing, wood floors, etc.

Owner—Orchard School District (J. J. O'Brien, clerk) Rt. 2, Box 157, San Jose.

Architect—Charles McKenzie, Twohy Building, San Jose.

Plans and specifications may be obtained from the architect. No deposit required.

Following have procured plans:

M. W. Reese, 1210 Minnesota Street, San Jose.

J. V. N. Gohranson, 10th St., Route 2, Box 231, San Jose.

LOW BIDDER

LOS ANGELES, Cal.—Wesco Construction Co., 2000 Hyperion Ave., submitted low bid at $54,670 to Los Angeles Board of Education, for reconstruction, strengthening and rehabilitation of the main building(less the 1931 addition) and the erection of a new frame building at the Brockton Avenue School, 1300 Brockton Ave. A. S. Nibecker Jr., architect, and John S. Ferguson, structural engineer.

FUNDS ALLOTTED

ANAHEIM, Orange Co., Cal.—PWA allotted $348,700 as a loan and grant to the Anaheim Union High School District for construction of a main building and repairing and remodeling of three existing buildings to restore school plant damaged by recent earthquake.

FUNDS ALLOTTED

LONG BEACH, Los Angeles Co., Cal.—PWA allotted $111,200 as a loan and grant to the Long Beach City School District for the construction of an addition and strengthening and reconstructing existing buildings of the James A. Garfield School.

16—BANKS, STORES AND OFFICES

COMPLETING PLANS

LOS ANGELES, Cal.—Architect S. Charles Lee, 2404 W. 7th St., will complete plans in three weeks for a commercial building to be built at the corner of Hawthorne and Highland Aves. for Max Factor. Work will consist of a four-story side and rear addition and a new front to the present building. The entire project will cover an area of 200x140 feet. Construction will be of reinforced concrete ,cement plaster facing, aluminum and structural glass, elevator, concrete floors, tile work, rubber tile and composition floors, steel sash, steam heating, green house, etc. Cost, $250,000.

Contract Awarded.

ALTERATIONS Cost, $15,000

SAN FRANCISCO. 74-86 Otis Street.

Alterations to telephone exchange

Owner—Pacific Telephone and Telegraph Co., 140 New Montgomery.

Engineer—R. S. Chew, 140 New Montgomery Street.

Contractor—Dinwiddie Const. Co., 210 Crocker Building.

Sub-Contracts Awarded.

STORES AND LOFT Cost, $13,000

OAKLAND, Alameda Co., Calif. 820-824-828 Harrison Street.

Two - story concrete stores and loft building.

Owner—A. C. Oppenheimer, Alameda.
Architect—Kent and Hass, 525 Market St., San Francisco.
Contractor — Kelly & Tulloch, 335 9th St., Oakland.
Concrete Materials—Pacific Coast Aggregates, 20th and Illinois Streets, San Francisco.
Lumber—Tilden Lumber Co., foot of University Ave., Berkeley. *

TO ASK BIDS

SANTA BARBARA, Cal. — Architects Edward Cray Taylor and Ellis Wing Taylor, 803 W. Third St., Los Angeles, have completed plans and will take bids next week for alterations to the ground floor of the Elks' building in Santa Barbara for the Pacific Mutual Life Insurance Co. Work will include the installation of new store fronts, metal channels and stud partitions, suspended ceilings, exterior and interior plastering, brick bulkheads, plain and decorative tile, electrical work, etc. Architect John Frederick Murphy, 116 E. Sola Street, Santa Barbara, architect, will supervise construction.

Contract Awarded.

REPAIRS Cost, $4000
SACRAMENTO, Sacramento Co., Cal. No. 2920 I Street.
Alterations to building.
Owner—John Fost, Premises.
Architect—No Given.
Contractor—C. V. Osborn, Premises.

Plans Being Figured—Bids Close January 17, 10 A. M.

COMPLETE BLDG. Cost, $250,000
SEATTLE, Wash. W Third Avenue, bet. Madison and Spring Streets.
Finish sub-basement, basement, first and second floors of City Light Bldg. (terra cotta exterior walls, reinforced concrete construction, plate glass, display windows, bronze trim, aluminum grilles, rolling steel doors, hydraulic elevator, etc.)
Owner—City of Seattle.
Architect — Earl Morrison, Textile Tower, Seattle.

FIRE LOSS.

SAN JOSE, Santa Clara Co., Cal.—Fire destroyed the Louis O. Normandin automobile agency on W. Santa Clara Street December 26. Damage estimated at $15,000. The entire loss is covered by insurance.

PREPARING PLANS.

BEVERLY HILLS, Los Angeles Co. Cal.—Architects Gable & Wyant, 3723 Wilshire Blvd., Los Angeles, are preparing plans for a reinforced concrete market building (103x120-ft.) to be built at the SW corner of Wilshire Blvd. and Doheny Drive, Beverly Hills, for a client.

BIDS WANTED

OAKLAND, Cal. — Until December 31, 4:30 P. M., bids will be received by City of Oakland Port Commission, for roofing and roofing asphalt for rehabilitation of buildings at the old Parr Terminal known as the Seventh St. Unit, Oakland. Estimated cost $2000.

Sub-Contracts Awarded.

ALTERATIONS Cost, $15,000
SAN FRANCISCO. No. 74-86 Otis Street.
Alterations to telephone exchange.
Owner — Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco.
Engineer—R. S. Chew, 140 New Montgomery St., San Francisco.
Contractor—Dinwiddie Const. Co., 210 Crocker Bldg., San Francisco.
Plumbing and Heating — James H. Pinkerton, 927 Howard St.
Electric—Radelfinger Bros., 544 Natoma Street.
(5770) 1st report Dec. 24, 1934. * 16

Plans Being Prepared.

ADMIN. BIDG. Cost, $75,000
FRESNO, Fresno Co., Cal. Mariposa and N Streets (150x100 feet).
New administration building (probably reinforced concrete construction).
Owner—Fresno City School District.
Architect—Allied Architects of Fresno
(5731) 1st report Dec. 18, 1934. 16

Construction Under Way.

ALTER STORE Cost, $——
SANTA ROSA, Sonoma Co., Cal. No. 515 Fourth Street.
Alterations to store.
Owner—Ralph Salisbury, Prem.
Architect—Not Given.
Mill Work—Huntington's Planing Mill 616 Wilson St., Santa Rosa.

Contract Awarded.

REMODEL STORE Cost, $2000
OAKLAND,, Alameda Co., Cal. Hopkins Street.
Remodel store building (new fronts, remodeling exterior, etc.)
Owner—Bruning Estate.
Architect—Leonard Ford, 2022 Berkeley Way, Berkeley.
Contractor — McKinney & Johnson, 5929 Marshall St., Oakland.
(5795)

Contract Awarded.

ALTERATIONS Cost, $5000
SAN FRANCISCO. No. 667 Mission Street.
Alterations to lofts.
Owner — Florence A. and Elizabeth Warden.
Architect—Not Given.
Contractor—Geo. Wagner, 181 South Park, San Francisco.
(5802) * 16

To Be Done By Day's Work.

ALTERATIONS Cost, $3000
SAN FRANCISCO. No. 352-364 Sixth Street.
Alterations to offices and storage building.
Owner and Builder—S. A. Casper, 405 Montgomery St., San Francisco.
Architect—Not Given.

18— WHARVES & DOCKS

AWARD RECOMMENDED.

MARTINEZ, Contra Costa Co., Cal. —The City Council has again recommended to the PWA that contract for construction of municipal yacht harbor be awarded to Duncanson-Harrelson Const. Co., deYoung Bldg., San Francisco. Clifton E. Hickok, PWA District Engineer, refused to concur in previous recommendation for award and asked reconsideration by city council.

19—MISC. CONSTRUCTION

Bids Rejected.

MORTUARY Cost, $10,000
AUBURN, Placer Co., Cal.
One-story frame, stucco and brick veneer mortuary.
Owner—Colin Hislop.
Architect — W. R. Yelland, Financial Center Bldg., Oakland.
(5760) 1st report Dec. 21, 1934.

BIDS OPENED.

SACRAMENTO Calif.—Crowley Launch and Tug Boat Co., foot of Broadway, Oakland, at $205 submitted low bid to the U. S. Engineer Office, Sacramento, under Spec. No. 6980, for drydocking, cleaning, painting and repairing the U. S. Engineer Department Launch "Rio Vista". The other bids were

General Engineering & Drydock Co., Oakland, $286.00.

Stephens Bros., Stockton, $392.50.

Bundesen & Lauritzen, Pittsburg, $431.00.

Bids held under advisement.

Planned.

TERMINAL Cost, $5,000,000
SAN FRANCISCO. Second and Minna Streets.
Forty-story transportation and office building (Bay Bridge Terminal).
Owner—Corporation, represented by John Metzenbaum, % Wieland Brewery, 240 Second St., San Francisco.
Architect—Not Given.

Mr. Metzebaum has filed an application with the California Toll Bridge Authority for a lease of the "Air Rights" over the bridge terminal for 999 years. If granted, the corporation plans to build a transportation terminal similar to the Bush Terminal in New York.
(5797)

CONTRACT AWARDED

SAN FRANCISCO — Farnsworth Electrical Works, 549 Mission St., San Francisco, at $84.62 awarded contract by the Department of Public Works, City Hall, for rewinding a 10-h. p. motor and installing same on blower at Laguna Honda School.

BIDS OPENED.

SAN FRANCISCO. — F. I. Greeley, 1944 Fillmore Street, at $157.00 submitted low bid to Department of Public Works for moving bungalow from Burnett School, Newcomb and Lane Streets to the Horace Mann School, Bartlett Street near 24th. Bungalow to be placed upon jacks at the Horace Mann school for underpinning.

Complete bids follow:

F. I. Greeley	$157.00
Pearson & Johnson	350.00
Hanson Brothers	360.00
D. J. and T. Sullivan	395.00

GRANT MADE.

SAN MATEO COUNTY, Cal.—Public Works Administration has made a grant of $199,000 to the San Francisco-San Mateo Agricultural District to assist in financing construction of a livestock building on a 54-acre tract in Visitacion Valley south of McLaren Park. Working drawings are being prepared by Architect W. D. Peugh, 333 Montgomery Street, San Francisco.

Further details will be announced shortly.

20—MISC. SUPPLIES AND MATERIALS

BIDS OPENED

LOS ANGELES, Cal.—The following bids were received by D. P. Nicklin, purchasing agent of the Los Angeles Water and Power Bureau, Rm. 740, 207 S. Broadway, December 19, for furnishing all labor, materials, services of equipment, etc., necessary for the installation of wiring, etc., for electric ranges and/or approved types of electric water heaters, during a period beginning January 1, 1935, or with date of contract if subsequent thereto, and ending June 30, 1935, in accordance with Specifications No. 1573. The items are:

I Los Angeles District:
(a) wiring, etc., for an electric range where the total lighting and range load under the City Wiring Ordinance requires a 60 ampere service switch, for a price per installation;
(b) wiring, etc., for an electric range where the total lighting and range load requires a 100 ampere service switch, for a price per installation;
(c) wiring, etc., for a 30 ampere-water heater circuit on a submeter, for price per installation;
(d) installing "Pressure Relief Valve" and discharge pipe on the cold water inlet to the water water heater, for a price per installation;
(e) disconnecting and draining old water heater, installing and connecting "approved water heater," for a price per installation, etc.

II San Fernando Dist.—same items:

III Harbor Dist.;

IV Referring to items I,II or III, in an installation where the Department's distribution engineers require a change in service outlet location, necessitating a conduit run in excess of 50 feet to the range outlet, the price for such excess run over 50 feet will be:
(a) for 60 ampere installations, prices per lin. ft.;
(b) for 100 ampere installations, prices per lin. ft.;

V Referring to items I,II or III, when a conduit run in excess of 30 feet is required in the water heater circuit, because more than one heater is installed, the price to be paid for such excess run beyond 30 feet will be prices per lin. ft.

The bidders were:
(1) E. L. Smith & Sons, Inc., terms net.
(2) Port Electric Co., terms net.
(3) Vancott Co., terms net.

The bids were:

	(1)	(2)	(3)
I—(a)	$37.00	$33.25	$33.50
(b)	48.00	43.50	44.25
(c)	18.00	9.00	9.75
(d)	5.00	3.00	3.75
(e)	6.00	6.00	5.00
II—(a)	38.00	33.85	33.50
(b)	49.00	43.50	44.25
(c)	19.00	9.00	9.75
(d)	6.00	3.00	3.75
(e)	7.00	6.00	5.00
III—(a)	39.00	33.25	33.50
(b)	50.00	43.50	44.25
(c)	20.00	9.00	9.75
(d)	7.00	3.00	3.75
(e)	8.00	6.00	6.00
IV—(a)	.32	.30	.40
(b)	.40	.36	.60
V—	22.00	.14	.15

BIDS OPENED

LOS ANGELES, Cal.—The following bids for furnishing Portland cement in such quantities as may be ordered during a period of three months, beginning January 1, 1935, or with date of award of contract if subsequent thereto and ending March 31, 1935, were received by D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, December 19, under Specification No. 1571:

The bidders were:
The following firms submitted identical bids on items (1) and (2): California Portland Cement Co.; Monolith Portland Cement Co., also alternate bid for delivery via truck and trailer in minimum loads of 75 bbls. at same prices; Southwestern Portland Cement Co.; Riverside Cement Co.; Blue Diamond Corp., Ltd.; Graham Bros.

The following firms submitted identical bids on items (3) and (4): Western Velo & Cement Specialties Co.; Coast Materials & Lumber Company; Whiting-Mead Co.; Service Materials Co., Ltd.; Piru Rock Co., Ltd.; Ray V. Hassett Co., Ltd. Item (3) only: Patten-Blinn Lumber Co.; W. E. Cooper Lumber Co.; Security Materials Co.; Consolidated Rock Products Co.; Oro Grande Lime & Stone Co.; Hayward Lumber & Investment Co.; Edward Sidebotham & Son Co., Item (4) only; provisions (b) and (c): San Pedro Building Supply Co.; Graham Bros.; Blue Diamond Corp.

All firms bidding on items 3 and 4 quoted testing charges of 3c per bbl.

All firms offered discounts of 2½c per sack, 10th prox. for items (3) and (4).

All firms offered discounts of 10c per bbl., 15 days, for items (1) and (2).

The bids were:
(1) Furnishing and delivering Portland cement in carload deliveries, f.o.b. the following points at the following prices per bbl: Laws, $2.88; Elna, $3.04; Aberdeen, $2.88; Benton, $2.88; Zurich, $2.88; Kearsarge, $2.81; Manzanar, $2.81; Owenyo, $2.76; Lone Pine, $2.66; Diaz, $2.66; Monachee, $2.66; Cartago, $2.66; Olancha, $2.66; Talus, $2.66; Coso, $2.66; Little Lake, $2.66; Narka, $2.66; Brown, $2.58; Searles, $2.29; Cinco, $2.22; Mojave, $2.10; Tehachapi, $2.10; Monolith, $1.93; Fleta, $2.26; Rosamond, $2.14; Lancaster, $2.14; Loco, $2.66 Halwee, $2.66; Palmdale, $2.14.

(2) Furnishing and delivering Portland cement in carload deliveries, fob at the following points, at the following prices per bbl.: Saugus, $2.09; Newhall, $2.09; San Fernando, $2.07; Roscoe, $2.07; North Los Angeles, $2.07; Tarzana, $2.09; Van Nuys, $2.09 Canoga Park, $2.09; Burbank, $2.05; Glendale, $2.01; Los Angeles, $2.01; Wilmington, $2.01; San Pedro, $2.01.

(3) Furnishing and delivering Portland cement in truckload deliveries, f.o.b. delivered to various points within the City of Los Angeles, including the San Fernando Valley area, but not including the Harbor District: also f.o.b. Department's trucks at bidder's warehouse, as follows:

(a) Less than 640 sacks per delivery, for a price of $.60 per net sack;
(b) 640 sacks or more per delivery, delivered direct from the mill to one location, for a price of $.54 per net sack:
(c) F.O.B. Department's trucks at bidder's warehouse, for a price of $.60 per net sack;

(4) Furnishing and delivering Portland cement in truckload deliveries, delivered in the Harbor District; also f.o.b. Department's trucks at bidder's warehouse, as follows:
(a) Less than 640 sacks per delivery for price of $.60 per net sack;
(b) 640 sacks or more per delivery, delivered direct from the mill to one location, for a price of $.54 per net sack;
(c) F.O.B. Department's trucks at bidder's warehouse, for a price of $.60 per net sack.

BIDS OPENED

LOS ANGELES, Calif. — Western Pipe & Steel Co., 5717 Santa Fé Ave., at $12,454.41 (including sales tax) submitted low bid to the Metropolitan Water District, Los Angeles, December 18, for furnishing water stops for construction joints and fabricated water stops and steel plates for dummy joints for cut-and-cover conduit; Spec. No. M-2034.

Bids were taken as follows:
(1) 330 sets fabricated water stops & steel plates for dummy joints, Type 1;
(2) 180 sets water stops for construction joints, Type 4;
(3) 80 seta fabricated water stops and steel plates for dummy joints, Type 2;
(4) 40 sets water stops for construction joints, Type 6;
(5) 25 sets fabricated water stops and Type 5;
steel plates for dummy joints,
(6) 36 seta water stops for construction joints, Type 6.

Complete bids follow:
(A) Western Pipe & Steel Co., $12,150.75*.
(B) Consolidated Steel Corp., Ltd., $12,981.00*.
(C) Southwest Welding & Mfg. Co., $15,612.25**.
(D) McClintic-Marshall Corp., $16,636.00*.
(E) Soule Steel Co., $21,122.00.
*Add sales tax.
**Discount, ½ of 1%.

	(1)	(2)	(3)	(4)	(5)	(6)
(A)	$23.80	$8.05	$22.25	$7.90	$20.55	$6.80
(B)	24.26	9.79	24.32	9.83	23.74	8.02
(C)	29.15	11.75	29.00	11.75	28.25	10.90
(D)	33.82	6.96	33.80	8.30	38.24	6.60
(E)	42.95	10.30	41.60	10.50	40.70	9.40

McClintic-Marshall Co., fob Leetsdale, Pa.; Southwest Welding & Mfg. Co., fob Alhambra; all others fob Los Angeles.

BIDS OPENED

LOS ANGELES, Cal.—The following firms submitted identical bids to D. P. Nicklin, Purchasing Agent of the Los Angeles Water and Power Bureau, Room 740, 207 S. Broadway, for furnishing medium hard drawn, triple braid, waterproof, insulated copper wire under Specification No. 1566:

Triangle Condult & Cable Co., John A. Roebling's Sons Co., Phelps-Dodge Copper Products Co., General Cable Co., Maydwell & Hartzell, Inc., American Electric Works, Westinghouse Electric & Supply Co., Columbia Steel Co.

The items were:
(1) for approximately 35,000 lbs. No. 4 AWG, 1-strand wire, per cwt.;
(2) for approximately 55,000 lbs. No. 6 AWG, 1-strand wire, per cwt.;
(3) for approximately 20,000 lbs. No. 8 AWG, 1-strand wire, per cwt.;
(4) for approximately 34,000 lbs. No. 1/0 AWG, 7-strand wire, per cwt.

The bids were. (1) $16.32, (2) $16.62, (3) $17.22, (4) $16.36.

Other bids were: U. S. Rubber Products, Inc., items 1, 2 and 3 same as above; Item 4, $16.85. General Elec. & Supply Corp. and Anaconda Wire & Cable Co., items 1, 2, and 3 same as above; item 4, $16.55.

All firms offered discounts of ½% 10 days.

MACHINERY & MATERIAL

Bid calls for construction machinery and materials and miscellaneous equipment and supplies purchased by Federal, State, Municipal and other public agencies.

MET. WATER DISTRICT

LOS ANGELES, Cal.—Until Dec. 31, 10 A. M., bids will be received by Metropolitan Water District, 306 W. 3rd St., Los Angeles, for furnisting water stop and steel plates for the dummy joints for cut-and-cover conduit; Spec. No. M-2036, Bid No. 31001. Certified or cashier's check, 10%. F. E. Weymouth, general manager and chief engineer.

OAKLAND CITY

OAKLAND, Cal.—Until January 8, 4 P. M., bids will be received by John W. Edgemond, Secretary, Oakland Board of Education for janitorial equipment and supplies, including chemicals and cleaning agents, hardware and tools, paints and paint supplies, petroleum products, etc. Bids must be accompanied by certified check for 10% of amount of the bid.

Specifications may be obtained from Purchasing Room, 115 Administration Building, Oakland.

OAKLAND, Cal.—Until January 7, 4:30 P. M., bids will be received by City of Oakland Port Commission for asphaltic road oil for improving and widening Ferry and Terminal Streets, Oakland.

OAKLAND, Cal.—Until January 7, 4:30 P. M., bids will be received by City of Oakland Port Commission for rock and rock screenings at the old Parr Terminal, known as the Seventh Street Unit. Estimated cost $8,850.

EAST BAY UTILITY DIST.

OAKLAND, Cal.—Until January 9, 8 P. M., bids will be received by the East Bay Municipal Utiliay District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing eight steel operating tables for the Orinda Filter Plant. Proposal No. 576.

Specifications obtainable from the above office.

OAKLAND, Cal.—Until January 9, 8 P. M., bids will be received by the East Bay Municipal Utility District, John H. Kimball, Secretary, 512 16th St., Oakland, for furnishing cast iron water pipe for the distribution system under roposal No. L.S. 135, as follows:

(1) 22,000 lin. ft. 4 inch;
(2) 5,000 lin. ft. 6 inch.

Specifications obtainable from the above office.

WAR DEPARTMENT

SAN FRANCISCO—Until January 8 10 A. M., bids will be received by the Quartermaster Supply Officer, San Francisco General Depot, Fort Mason under Schedule No. 928-35-138, for furnishing brush handles, broom handles, mop handles, mops, augur bits, files, hammers, chisel handles, hammar handles, pick handles, shovel handles, carpenter's rules, crosscut hand saws, screw-drivers, scoops, steel tape measures, etc. Delivery f.o.b. bidder's shipping point and/or Fort Mason.

Specifications obtainable from above office.

SACRAMENTO, Cal.—Until January 4, 3 P. M., bids will be received by the U. S. Engineer Office, Captain J. G. Drinkwater, District Engineer, 208 Post Office Bldg., Sacramento, under Order No. 6937/HMR, for furnishing one track type Diesel Tractor equipped with angledozer and ready for service. Delivery f.o.b. Sacramento.

Specifications obtainable from the above office.

SACRAMENTO, Cal.—Until January 2, 3 P. M., blds will be received by Capt. J. G. Drinkwater, District Engineer, U. S. Engineer Office, 206 Post Office Bldg., Sacramento, under Order No. 7000/2248 RV for furnishing grass shears, grass catchers for mowers, pawls for repairs to mowers, hand saws, sledge hammer handles, hacksaw blades, iron, galvanized pipe, sandpaper, cement-coated nails, Cosmoline, coat hooks, flake graphite, waste and pot cleaners. Delivery f. o.b. Rio Vista.

Specifications obtainable from the above office.

U. S. FOREST SERVICE

GOVERNMENT ISLAND, Cal. — Bids will be received by H. R. Marsh, Assistant Supply Officer, Forest Service Supply Depot, Government Island, Oakland, on January 2 and January 3, at 2 P. M., as follows:

Opening January 2, 2 P. M.

BID No. 1596, f.o.b. bidder's shipping point and /or Los Angeles: (1) 456 ft. C.M.P. culvert; (2) 16 band couplings.

BID No. 1597, f.o.b. Los Angeles: (1) 15 ft. multi-plate C.M.P. arch culvert.

BID No. 1608, f.o b. bidder's shipping point and/or Los Angeles: (1) 50 pcs. (1000 ft.) C.M.P. culvert.

BID No. 1611, f.o.b. bidder's shipping point: (1) 30,000 ft. seizing strand ⅛-in. diam.

BID No. 1612, f.o.b. bidder's shipping point: (1) 30,000 ft. guy strand, 5/16 inch.

BID No. 1618, f.o.b. East Bay shipping point of bidder: (1) 3484 ft. C.M.P. culvert; (2) 317 band couplings.

BID No. 1641, f.o.b. East Bay shipping point of bidder: (1) 180 ft. C.M.P. culveret; (2) 10 band couplings.

Opening January 3, 2 P. M.

BID No. 1599 f.o.b. bidder's shipping point and/or Oroville: 4 air rock drills, 51 to 60 lb. weight, complete.

BID No. 1605, f.o.b. bidder's shipping point: (1) 10,000 glass insulators; (2) 10,000 telephone split-tree porcelain insulators.

BID No. 1607, f.o.b. bidder's shipping point and/or destination points shown: (1) 410 6x6-18 ft. roofed redwood poles, Hollister; (2) 150 6x6-18 ft. do., King City; (3) 420 6x6-20 ft. do., San Luis Obispo; (4) 425 6x6-20 ft. do., Willits.

BID No. 1610, f.o.b. bidder's shipping point: (1) 10,000 wire rope thimbles, 5/16-in. score, closed, hot galvanized.

BID No. 1613, f.o.b. bidder's shipping point: (1) 10,000 bracket clips.

BID No. 1614, f.o.b. bidder's shipping paint and/or Porterville: (1) 540 2-bolt clamps.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until January 3, 2 P. M., bids will be received by Frank Haynie, Supply Officer Forest Service Supply Depot, Government Island, Oakland, as follows:

BID NO. 1617, f.o.b. bidder's shipping point and/or destination in California and Nevada: 140 galvanometers, for testing electric blasting caps, etc.

BID No. 1616, f.o.b. bidder's shipping point and/or Redding: 300 lbs. 20-ga. connecting wire, in 2 lb. rolls.

Specifications obtainable from above office.

GOVERNMENT ISLAND, Cal.—Until January 3, 2 P. M., bids will be received by H. R. Marsh, Assistant Supply Officer, Forest Service Supply Depot, Government Island, Oakland, for furnishing supplies as follows:

BID No. 1602, 12 each 6-gal. aluminum pots and 36 each 3-ga. aluminum pots, delivery f.o.b. bidder's shipping point and/or Yreka.

BID No. 1609, 30 each lineman's tool belts and 30 each lineman's safety straps, delivery f.o.b. bidder's shipping point.

Specifications obtainable from above office.

LOS ANGELES CITY

LOS ANGELES, Cal.—Until January 3, 11 A. M., bids will be received by A. J. Holm, Los Angeles City Purchasing Agent, 107 City Hall, for furnishing Los Angeles Bureau of Engineering with approximately 500 bbls. cement per month during the period commencing with date of contract and ending March 31, under Specifications No. 3370.

The bids will be taken as follows:

(1) f.o.b. cars on A. T. & S. F. spur or f.o.b. trucks at McPherson St., asphalt plant, 2445 McPherson St.
  (a) maximum price ber bbl. including cloth sacks;
  (b) maximum price per bbl. in paper sacks.
(2) f.o.b. cars or trucks at bidder's plant:
  (a) maximum price per bbl. including cloth sacks;
  (b) maximum price per bbl. in paper sacks.

Specifications obtainable from above office.

ENGINEERING NEWS

NEWS INDEX

For convenient reference, news reports in this section are classified as follows:

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22.—Dredging, Harbor Works, Excava.
23.—Irrigation Proj.
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26.—Railroads
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30.—Reservoirs and Dams
31.—Pipe Lines and Wells
32.—Sewers & Sewage Disposal Plants
33.—Water Works
34.—Parks & Playgrounds
35.—Tunnels

21— BRIDGES

CONTRACT AWARDED

PLUMAS COUNTY, Cal.—B. Rocca & Co., 15 4th St., San Rafael, at $69,469 awarded contract by the State Highway Commission, Sacramento, for the construction of a bridge across the North Fork of Feather River at Tobin, Plumas County, consisting of one 290 ft. through steel truss span and two 35 ft. concrete box abutments.

CONTRACT AWARDED

OKANOGAN COUNTY, Wash.—S. G. Morin, S. 309 Bernard, Spokane, at $65,617 submitted low bid and awarded contract by L. V. Murow, Director of Highways, Olympia, for grading, surfacing with crushed stone and constructing a reinforced concrete girder bridge 438.5 feet long on about 0.8 mile of the Methew Valley Highway, Methew River Bridge and Approaches, at Carlton, U.S.P.W. Project NRS 195-C in Okanogan County. Complete bids follow:

S. G. Morin, Spokane	$65,617
Sheble Constr. Co., Seattle	67,461
D. Nygren, Seattle	74,058
H. C. Malott, Seattle	74,149
L. Romano Engr. Corp., Seattle	76,552

CONTRACT AWARDED

CLARK CO., Wash.—O. A. Gordon, 1230 N 46th, Seattle, at $20,306 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, for grading and constructing a timber bridge on about 1.6 miles of the Washougal River County Rd., Washougal East, U.S.P.W. Project NRS 214-A, in Clark County.

Complete blds follow:

O. A. Gordon, Seattle	$20,306
H. B. Klineline & A. Van Horn, Vancouver	21,931
Hallstrom & Hallstrom, Seattle	22,899
J. C. Papin, Carson	24,168
Schmitt Const. Co., Portland	24,909
Nelson & Hibbard, Tacoma	26,772
United Contr. Co., Portland	26,836
Mirene Co., Portland	27,031
James Berin, Portland	28,314
R. M. Smith, Washougal	29,907

BIDS WANTED

ARIZONA STATE—Until January 15, 10 A. M., blds will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Phoenix-Yuma Highway (A.F.E. 8041 and 8061. The work, located at three separate bridge sites, one at 2¾ miles east of Welton, one at 4½ miles east of Welton, and one at 2 miles west of Mohawk, consists of replacing concrete dips with concrete box culverts and oil surfaced approach fills. The work involves:

(1) 2500 cu. yds. drainage excav.;
(2) 480 cu. yds. structure excav.;
(3) 12,400 cu. yds. imported borrow;
(4) 1300 cu. yds. select material;
(5) 700 cu. yds. shoulder material;
(6) 590 cu. yds. Class A concrete;
(7) 64,800 lbs. reinforcing steel;
(8) 9000 sq. yds. salvaging and relaying old oil mix;
(9) 700 tons mineral aggregate;
(10) 10,800 gals. road oil.

Certified check or cashier's check, 5%. T. S. O'Connell, State Highway Engineer. Plans and specifications obtainable from above office.

BIDS OPENED.

LOS ANGELES, Cal.—Contracts for furnishing and fabricating deformed reinforcement bars placed during December, 1934, and January, 1935, under Spec. No. M-2033, were:

Los Angeles Iron & Steel Co.: Items 5, 6 and 7 (all steel) Schedule I, at $63,063.3068.

Blue Diamond Corp.: Schedules 2 and 3 at $23,597 and $7567.03, respectively.

CONTRACT AWARDED

WASHINGTON COUNTY, Ore.—R. H. Jones, Baker, at $5,944.50 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 20, for the construction of a bridge over Tualatin River Overflow on the Tualatin Valley Highway near Gaston, U. S. P. W. Project NRH 240-A in Washington County.

Complete bids follow:

R. H. Jones, Baker	$5,944.50
Louis Johnson, Portland	6,017.00
Averill & Philpott, Portland	6,121.00
J. F. Johnson, Newberg	6,160.00
E. W. McCall, Klamath Falls	6,269.40
H. J. Settergren, Portland	6,380.50
Wm. C. Schmitt, Portland	6,579.00
Joplin & Eldon, Portland	6,638.50
Barham Bros., Salem	6,675.60
Chas. H. Leonard, Albany	6,830.00
Pierce & Reed, Portland	6,845.00
W. W. McFarland, Canby	8,357.50

CONTRACT AWARDED

BOULDER CANYON, Nev. — McClintic-Marshall Corp., Wrigley Bldg., Chicago, at $29,319 awarded contract by the Bureau of Reclamation, Denver, under Spec. No. 634-D, for furnishing four structural steel bridge spans, including pings, anchorages, anchor bolts, etc., for the four structural steel spans for intake towers at Boulder Dam.

BIDS WANTED

CASA GRANDE, Arizona — Until January 15, 2 P. M., bids will be received by the Arizona State Highway Commission, Phoenix, for highway construction on the Casa Grande-Gila Bend Highway, A.F.E. 540 and 8409 The work, which is to extend from the town of Casa Grande westerly one mile, consists of constructing a railway underpass with grading, draining, concrete pavement, and cutback road mix. The work involves:

(1) 440 cu. yds. roadway excav.;
(2) 1050 cu. yds. drainage excav.;
(3) 11,400 cu. yds. structure excav.;
(4) 1600 sta. yds. earthwork overhaul;
(5) 12,400 cu. yd. mi. earthwork haul
(6) 1640 cu. yds. concrete;
(7) 189,300 lbs. reinforcing steel;
(8) 3624 sp. yds. concrete pavement;
(9) 1850 lin. ft. combined curb and gutter;
(10) 300 lin. ft. C.M.P.;
(11) 2340 lin. ft. vitrified clay pipe;
(12) 4700 cu. yds. A.B.C.;
(13) 1200 cu. yds. mineral aggregate;
(14) 88 tons cutback asphalt;
(15) 8500 lin. ft. line fence;
(16) Electrical equipment;
(17) Pump house;
(18) Membrane waterproofing.

Certified check or cashier's check, 5%. T. S. O'Connell, State Highway Engineer. Plans and specifications obtainable from the above office.

CAPITAL CITY TITLE COMPANY

J. C. PALEN,
Manager

914 Seventh Street
Sacramento :: California

22—DREDGING HARBOR WORKS EXCAVATION

BIDS WANTED

SACRAMENTO, Cal.—Until Jan. 4, 3 P. M., bids will be received by the U. S. Engineer Office, Room 208 Post Office Bldg., Sacramento, Capt. J. G. Drinkwater, District Engineer, under Spec. No. 6969, for furnishing, delivering and carefully placing approximately 12,000 tons of Class A or Class B rip-rap stone, in sizes 20 to 300 lbs., along the banks of the Sacramento river, at various points between the mouth of Cache Slough and Collinsville.

Specifications obtainable from above office.

BIDS REJECTED.

KITTITAS CO., Wash.—Albertson & Cornell Bros., Inc., 1113½ A St., Tacoma, at $1,868 submitted low bid, which was rejected by L. V. Murrow, Director of Highways, Olympia, for straightening, widening and deepening the channel of Roslyn Creek in Cle Elum on State Road No. 2, U. S. P. W. Project NRM 114-H, in Kittitas County.

The other bids were:

Radke, Smith & Stuby, Bothell	$2,141
Fred G. Redmon, Yakima	2,160

PERMIT ASKED.

VENTURA, Ventura County, Cal.—Application has been made by Department of Public Works, State of California, for War Department permit to construct about 2,000 ft. of seawall and ten groins, each about 70 ft. long, on the shore of the Pacific Ocean between Punta Gorda and Rincon Point in Ventura County.

Drawings showing the location and plan of the proposed construction may be seen at the office of the U. S. Engineer, 751 S. Figueroa St., Los Angeles, until Wednesday, December 26, 11 A. M. H. H. Stickney, Major, Corps of Engineers, District Engineer.

CONTEMPLATED.

LOS ANGELES, Calif. — Expenditure of an additional $288,000 for the dredging of a 40-foot channel in the Los Angeles harbor has been recommended by Brigadier General J. B. Pillsbury, acting chief of the Army

Engineers, and will recommend it to Congress this winter. The project would consist of a 40-foot channel, 1,000 feet wide in the outer harbor extending from the breakwater entrance to a turning basin 1,500 feet wide by 3,500 feet long to be dredged opposite Pier No. 1. It also would include enlarging the entrance to the inner harbor by dredging to a depth of 35 feet a triangular area at its junction with this turning basin.

In order to avail themselves of the 40-ft. channel, General Pillsbury said local interests would have to dredge an east channel adjacent to the terminal developments in the outer harbor.

BIDS WANTED.

OWYHEE PROJECT, Oregon-Idaho.—Until January 15, 10 A. M., bids will be received by the Bureau of Reclamation, Ontario, Ore., under Spec. No. 644-D, for the construction of earthwork and structures, North Canal Laterals, Mitchell Butte Division, Owyhee Project. The work is located near Dunaway, Oregon, and involves:

(1) 51,300 c.y. of all classes of excavation for laterals;
(2) 2,500 c.y. do for structures;
(3) 1,500 sta. c.y. of overhaul;
(4) 1,500 c.y. of backfill;
(5) 788 c.y. of concrete in structures;
(6) 950 sq. yds. of dry rock paving;
(7) placing 49,000 lbs. of reinforcement bars;
(8) laying 878 l.f. of 15- and 36-in. diameter concrete pipe;
(9) installing 6,600 lbs. of gates and gate hoists;
(10) erecting 1.0 MFBM of timber and structures.

Plans and specifications obtainable from the Bureau of Reclamation at Ontario, Oregon, or Denver, Colorado, without charge to prospective bidders; to others, $1.50 not returnable.

CONTRACT AWARDED

NEWPORT BAY, Calif. — Standard Dredging Co., Central Bldg., Los Angeles, at $879,255 awarded contract by the U. S. Engineer Office, Los Angeles, for dredging approximately 8,133,480 c.y. of material and rock removal at Newport Bay.

BIDS WANTED.

PORTLAND, Ore. — Until Jan. 24, 3 P. M., bids will be received by the U. S. Engineer Office, Major Charles Williams, District Engineer, 306 Customhouse, Portland, under Bid No. 35-374, for repairing the South Jetty at the mouth of the Columbia River, requiring the furnishing and placing of about 700,000 tons of stone.

Estimated cost, $1,500,000.

Plans and specifications obtainable from the above office.

CONTRACT AWARDED

SAN PEDRO, Cal.—Hull Smale & Ramage, Inc., 1300 W. B St., Wilmington, at $1935 awarded contract by the Public Works Officer, 11th Naval District, San Diego, for relaying moorings A, B and C at Los Angeles Harbor, under Spec. No. 7853.

23— IRRIGATION PROJ.

FUNDS ALLOTTED.

MISSOULA, Mont. — Federal Public Works Administartion has allotted $180,000 to the Frenchtown Irrigation project near Missoula for construction of a canal system to irrigate 7,500 acres already under cultivation. Project will be constructed under supervision of U. S. Bureau of Reclamation. Funds will be repaid by water users.

25—MACHINERY AND EQUIPMENT

BIDS OPENED

OAKLAND, Cal.—Following bids received by East Bay Municipal Utility District, John H. Kimball, Secretary, Oakland, for furnishing three vertical shaft turbine pumps of 400 gallons capacity per minute at a head of 410 feet, each to be direct connected to one induction motor to operate on electrical energy of 440 volts, 3-phase, 60-cycle, under Proposal No. L.S. 133:

Byron Jackson Co., Berkeley, $4010.17 alt., $3814.85.
Adrian Mfg. Co., San Jose, $4144.60.
Wintroath Pump Co., Ltd. (Chas. Doan, Agent, Berkeley), $5028.24.
Layne & Bowler, Los Angeles, $1,957.34 each, 1200 R.P.M.; $1573.58 each, 1800 R.P.M.
Jenison Machinery Co., San Francisco, $4725.63.
Pelton Water Wheel Co., San Francisco, $5714.58.
Fairbanks-Morse, San Francisco, $4,418.16.
Kimball-Krogh Pump Co., San Francisco, $4489.
United Iron Works, San Francisco, $4626.03.
Western Pump Co., $4723.20.

All bids held under advisement.

BIDS OPENED.

SAN FRANCISCO.—Following bids received by the Department of Public Works, Division of Highways, Jno. H. Skeggs, District Engineer, Room 211, State Bldg., San Francisco, for the rental of two pneumatic tired dump trucks, chassis weight not less than 2800 pounds, body capacity not less than 1½ cubic yard, and not over four years old, for approximately 800 hours:

$1.50 per hour, hand loading, and $1.77 per hour, power loading: P. Brown, Alameda; L. Darton, San Bernardino, James Thornton, Fairfax, F. Helmuth, Oakland; Barney Tracking Co., Willitts; E. M. Roach, Oakland; A. E. McMahon, Kenwood; F. A. Totten, Oakland; Truck Contracting and Equipment Co., Oakland; D. Gallagher, San Francisco; T. T. Law, Oakland; P. S. Weirsma, Oakland; J. Leonard, Oakland; Mulineaux & Akins, Oakland; A. Walgren, San Francisco; L. M. Clough, Oakland; F. Erickson, Oakland; L. Green, Oakland; L. F. Chamberlain, Van Nuys; Eperson Drayage Co., Woodland; Bruno Skibo, San Francisco; S. N. Epperson, Woodland; J. J. Alexander, Oakland; F. O'Shea, San Francisco; C. L. Jordan, Belmont; N. H. Reynolds, Alameda; A. L. Philbrick, Oakland; A. A. Abercrombie, Whittier; F. McCoy, Downey; N. P. VanVolkenburg, Los Angeles; C. H. Sperring, Whittier M. Bertolino, San Francisco; Rock & Gravel Trucking Co., Oakland; Max Rosenberg, San Francisco; M. L. Puerta, Oakland; L. B. Andrews, Oakland; V. S. Boren, Hollywood; E. D Rosa, Martinez; J. H. Currier, San Leandro; Hayward Bldg. Supply Co., Hayward; A. Hair; Hayward Building Material Co., Hayward.

1.50 per hour, hand loading and $1.75 per hour power loading: J. F. Henson, Pasadena.

$1.50 per hour, hand loading, and $1.80 per hour, power loading: J. Taylor, Oakland.

$1.53 per hour, hand loading, and $1.66 per hour, power loading: O. Stewart, Topanza.

$1.53 per hour, hand loading, and $1.77 per hour, power loading: H. Miller and Burkholder, Oakland.

$1.55 per hour, hand loading, and $1.77 per hour, power loading: W. Arnold, San Francisco.

Bids held under advisement.

30—RESERVOIRS & DAMS

BID OPENING POSTPONED.

TUOLUMNE COUNTY, Cal.—Until January 24, 3 P. M., bid opening date postponed from January 8, 3 P. M., previously reported, bids will be received by the Public Utilities Commission, Room 287, City Hall, San Francisco, for the enlargement of the O'Shaughnessy Dam by the construction of an addition to the existing dam, for the purpose of increasing the capacity of Hetch Hetchy Reservoir.

POND ELECTION PLANNED.

VENTURA, Ventura County, Cal.—Members of the city council have announced that a proposal to bond the city to construct a dam at the Hoffman site on Coyote Creek, costing $1,500,000, will be presented to voters probably in February. The decision to place such a proposal before the people of the city followed an exhaustive study of the project covering a year and a half. The city will ask for PWA funds in the form of a 30% grant. The proposed dam will be an earth fill structure, 87 ft. in height, with a capacity of 9800 acre feet. The cost estimate is divided as follows:

Construction of 9,800 acre feet dam, $467,130.

Land for 42,000 acre feet dam, $152,202.

Reserved for contingencies, land purchase, $306,404.

State filing fees, $4,189.

Fifteen per cent carrying charges and supervision, $69,405.

Road construction, relocating state highway to follow alignment along the east bank of proposed reservoir, $144,500.

Power lines (appraiser's estimate), $5,170.

TO ASK BIDS

WHATCOM COUNTY, Wash.—The County Commissioners of Whatcom County, Washington, plan to ask an appropriation of $400,000 from the Federal Public Works Administration, for the construction of a dam on the South Fork of Nooksack River, below Skookum Creek, southeast of Saxon.

Plans call for gates to be built for siphon to extend west to Mirror Lake and on into Lake Whatcom. This is in addition to the $150,000 which will be requested for bank protection along Nooksack River.

31—PIPE LINES & WELLS

CONTEMPLATED

REDWOOD CITY, San Mateo Co., Cal.—The City Council contemplates extension of a 10-inch supply line to connect with Bay Crossing Pipe Line of San Francisco Water Department for transmission of Hetch Hetchy water to municipal water system. City Engineer C. L. Dimmitt estimartes cost at $27,500.

CONTRACT AWARDED

BEVERLY HILLS, Cal. — Roscoe Moss Co., 4360 Worth St., Los Angeles was awarded a contract by the Beverly Hills City Council, December 18, for drilling two water wells for the Water Department. The bids were:

Roscoe Moss Co.—24-in. gravel packed or enveloped, 12-in. diameter casing well, $6.95 per ft. of installed casing depth. To install 28-in. dia. conductor pipe, $6.70 per ft.; developing same for water production for period of 5 days, $300. If move of site necessary 80c per ft. for test hole. Note: If double 12-ga. casing is substituted for double 10-ga. deduct 55c per ft.

Western Drilling Co.—24-in. gravel packed or enveloped, 12-in. diameter casing well $8.90 per ft. of installed

casing depth; to install 28-in. diameter conductor pipe, $6.46 per ft.; developing same for water production for period of 5 days, $275, if move of site necessary, $1 per ft. for test hole. Note: If double 12-ga. casing is substituted for double 10-ga. deduct 70c per ft.

32—SEWERS & SEWAGE DISPOSAL PLANTS

AWARD POSTPONED.

HALF MOON BAY, San Mateo Co., Calif.—The Half Moon Bay Sanitary District has postponed action until January 11, on the award of a contract for the construction of a sanitary sewer system at Half Moon Bay.

The Oakland Sewer Const. Co., 9915 Walnut St., Oakland, submitted the only bid December 7, at approximately $38,500.

PLANS COMPLETED.

LOS ANGELES, Cal.—L. W. Armstrong, engineer of storm drains and structures, has completed plans for the construction of a sanitary storm drain in right of way south of Buchanan St., Avenue 54 to Avenue 53, involving:

(1) 522 l.f. 84-in. RCP (heavy);
(2) 66 l.f. 72-in. do;
(3) 280 l.f. 27-in. do;
(4) 141 l.f. 21-in. pipe (std. strength)
(5) 63 l.f. 18-in. do;
(6) 87 l.f. 15-in. do;
(7) 30 l.f. 12-in. do;
(8) 20 l.f. 6-in. V. C. pipe;
(9) 87 l.f. concrete culvert underpinning (about 66 c.y.);
(10) 12 l.f. reinf. concrete transition equals 84-in. pipe);
(11) one manhole "AX";
(12) two manholes "EZ";
(13) one junction structure "B" (24-inch);
(14) one junction structure "C" (84x 27-in.);
(15) one junction structure "D" (27-inch);
(16) 4 catchbasins No. 38;
(17) 2 catchbasins No. 39;
(18) 2 catchbasins No. 40;
(19) 515 sq. ft. concrete local depressions, 8-in. thick;
(20) one junction chamber No. 3;
(21) 100 sq. ft. cement sidewalk;
(22) 100 sq. ft. concrete gutter;
(23) 1,000 sq. ft. asphaltic concrete remodeling;
(24) 500 l.f. oiled roadway remodeling
(25) 1,000 sq. ft. Class A resurfacing;
(26) 156 sq. ft. Class C resurfacing.

FUNDS ASKED.

PHOENIX, Ariz.—The Phoenix City Commission will apply to the Public Works Administration for an additional $100,000 for constructing extensions to the sanitary sewer system.

33— WATERWORKS

FUNDS ASKED.

PHOENIX, Arizona. — The Phoenix City Commission will apply to the Public Works Administration for an additional $100,000 for constructing extensions to the water system.

BIDS OPENED.

ROSEVILLE, Placer County, Cal.—Western Pipe & Steel Co., 444 Market St., San Francisco, at $12,709.00 submitted low bid to the Roseville City Council, December 22, for the construction of improvements to the water distributing system in the city.

The other bids were:

Martin Murphy, Berkeley	$13,700
P. F. Bender, North Sacto.	14,874
Bennett & Taylor, L. A.	*13,342

*Excluding 30-in. gate valve.

Bids held under advisement pending investigation by the PWA and City Engineer.

35— TUNNELS

CONTRACT AWARDED

LOS ANGELES COUNTY, Calif.—West Construction Co., 615 Richfield Bldg., Los Angeles, at $2,190,900 was awarded contract by the Metropolitan Water District, Los Angeles, for the construction of the Monrovia Tunnels Nos. 1 2, and 3 and appurtenant works. The contract prices on the individual schedules were: Schedule 1, $502,700, and Schedule 2, $1,688,200.

L. E. Dixon Co., Bent Bros., Inc., and Johnson, Inc., 609 S. Grand Ave., Los Angeles, at $621,180 awarded contract for the Pasadena Tunnels, Sched. 3; Spec. 77.

29—STREETS AND HIGHWAYS

CONTRACT AWARDED

LOS ANGELES, Cal.—Osborn Co., 1570 San Pasqual St., Pasadena, at $43,029.15 (Total A) awarded contract by the Los Angeles County Board of Supervisors for the improvement of the La Canada-Verdugo Road, from Michigan Ave. southeasterly to Devil's Gate Dam, and along portions of Highland Drive and Linda Vista Ave., 1.04 miles, Unit No. 1 of F. W. P. 3123.

BIDS REJECTED.

SAN FRANCISCO—The Department of Public Works, City Hall, has rejected the bid of Charles L. Harney, 443 Call Bldg., at $9,153.49 (only bid received) for the improvement of Moraga Street between 17th and 18th Avenues, and other streets.

CONTRACT AWARDED

PIERCE CO., Wash.—Jos. Warter, Sr., 631 N. Fife, Tacoma, at $68,607 submitted low bid and awarded contract to L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete about 1.6 miles of State Road No. 1, Lakeview to Union Ave., U.S.P.W. Project NRH 171-E, in Pierce County.

Complete bids follow:

Jos. Warter, Sr., Tacoma	$68,607
Paine & Gallucci, Inc., Tacoma	73,052
Anderson lijebeck, Tacoma	77,358
Moceri Bros., Seattle	78,358
Albertson & Cornell Bros., Tacoma	79,118
N. Fiorito, Seattle	81,674
H. J. Adler Co., Tacoma	84,730

CONTRACT AWARDED

LOS ANGELES, Cal.—Los Angeles Paving Co., 3200 E. Vernon Avenue, Los Angeles, at $39,247.62 awarded the contract by the Los Angeles Board of Public Works, December 19, for grading, paving and otherwise improving 55th Street between Alameda Street and Central Ave., under cash contract.

CONTRACT AWARDED

KING COUNTY, Wash.—Northwest Const. Co., 3950 6th N.W., Seattle, at $53,587, submitted low bid and was awarded contract by L. V. Murrow Director of Highways, Olympia, for paving with Portland cement concrete the unpaved portion between existing pavements and retopping portions of the existing pavement with asphaltic concrete on about 1.5 miles of State Road No. 1, East Marginal Way, Seattle, U.S.P.W. Project NRM 150-E and NRH 150-E, in King County.

Complete bids follow:

Northwest Const. Co., Seattle	$53,587
Queen City Const. Co., Seattle	54,695
J. B. Covello, Seattle	55,473
N. Fiorito, Seattle	55,726
Goetz & Brennan, Seattle	57,893
Moceri Bros., Seattle	58,037
Macri Steffensen, Seattle	58,860

CONTRACT AWARDED

WHATCOM CO., Wash. — Erickson Paving Co., 1550 N 34th, Seattle, at $129,562 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Olympia, for paving with Portland cement concrete and retopping portions of existing pavement with asphaltic concrete on about 4.4 mi. of State Road No. 1 (Lake Samish Rd. Branch) Bellingham South-paving, U.S.P.W. Project NRS 191-B, in Whatcom County.

Complete bids follow:

Erickson Paving Co., Seattle	$129,562
Fiorito Bros., Seattle	139,870
H. P. Dorsey Co., Bellingham	139,920
Goetz Brennan, Seattle	143,303
Moceri Bros., Seattle	143,726
Norris Bros., Burlington	148,817
Queen City Const. Co., Seattle	149,897
E. J. Templeton, Everett	152,767

CONTRACT AWARDED

MULTNOMAH CO., Ore.—Kern and Kibbe, 42 SE Salmon, Portland, at $92,504.50 awarded contract by the Oregon State Highway Commission, Portland, for 1.41 miles of paving on the Clinton Street-Foster Road Section of 82nd Ave., Multnomah County, U.S.P.W. Project NRM 199-F.

BID REJECTED.

ISLAND COUNTY, Wash.—H. P. Dorsey, 2006 State St., Bellingham, at $33,622, submitted the only bid, which was rejected by L. V. Murrow, Director of Highways, Olympia, for grading, surfacing with crushed stone, constructing a bituminous surface by the road mix method, and the application of a dust palliative on about 4.9 miles of the county road, Stanwood to Utsalady, U.S.P.W. Project NRS 218-A, in Island County.

CONTRACT AWARDED

KLICKITAT CO., Wash. — United Contracting Co., 311 Stock Exchange Bldg., Portland, at $41,992 submitted low bid and awarded contract by L. V. Murrow, Director of Highways, Dec. 18, for surfacing with crushed stone, stockpiling oil rock, and constructing a bituminous mat by the bituminous macadam method on about 2.7 miles, and stockpiling oil rock only for about 3.9 miles, of State Road No. 8, Yakima--Klickitat county line to Reservation Boundary, Federal Land Project No. 3, in Klickitat Co

The other bids were:

Fred G. Redmon, Yakima	$42,430
Rogers Const. Co., Dayton	42,558
G. D. Lyon & Co., Spokane	45,195

CONTRACT AWARDED

PARKER DAM, Calif.-Ariz.—R. A. Wattson, 1026 N. McCallen Place, Los Angeles, at $21,998.88 (Total I. using 6-in. steel pipe) awarded contract by the Bureau of Reclamation, Earp, California, for the street, alley, parking area and sidewalk grading, street parking area and sidewalk surfacing, the construction of curbs, sewer, and water systems, drainage channels and an electrical distribution system for the government camp at Parker Dam, Parker Dam Project, California, Arizona, in accordance with Specifications No. 638-D.

BIDS OPENED

COLUMBIA COUNAY, Oregon—A. T. Dolan, Tillamook, at $20,525 (Road Oil) and $21,305 (Tar) submitted low bid to the Oregon State Highway Commission, Portland, December 20, for 1.91 miles of crushed rock or gravel resurfacing and bituminous macadam wearing surface, on the Pittsburg-Vernonia Section of Nehalem Secondary Highway, U.S.P.W. Project NRS 213-E, in Columbia County. Complete bids follow:

A. T. Dolan (1) road oil, $20,525; (2) tar, $21,305.

E. H. Itschner and E. L. Rigdon, Barlow, (1) $21,275; (2) $21,368.
H. G. Johnson, Portland, (1) $21,915; (2) $22,975.
Joplin & Eldon, Portland, $21,990; (2) $21,792.
Harold Blake, Portland, (1) $22,565; (2) $22,444.
Saxton & Looney, Corvallis, (1) $24,-535; (2) no bid.
United Contracting Co., Portland, (1) $21,915; (2) $22,975.

AWARD RECOMMENDED

COWLITZ COUNTY, Wash.—J. D. Harms, Inc., 1437 Ellicott W, Seattle, at $41,212 submitted low bid and recommended for award of contract by the Bureau of Public Roads, Portland, December 21, for improving the St. Helens Highway Reconstruction Grading, Project FHEC-15-A4, Nat'l. Forest Road Project, located within the Columbia National Forest, Cowlitz County, Washington. Complete bids follow:

J. D. Harms, Inc., Seattle	$41,212
Morris Bros., Burlington	48,423
Columbia Power & Invst. Co., Stevenson	52,813
Parker-Schram Co., Seattle	52,832
Colonial Constr. Co., Spokane	57,233
Joplin & Eldon, Portland	60,976
Alex Besoloff Co., Seattle	62,675
Webber & Gardner, Portland	73,830
United Contracting Co., Portland	74,224
L. Romano Engrg. Co., Seattle	75,819

AWARD RECOMMENDED.

YAKIMA COUNTY, Wash.—Columbia Power & Investment Co., Stevenson, Wash., at $30,807 submitted low bid to the Bureau of Public Roads, Portland, December 21, and recommended for award of contract for improving the Randle-Yakima Highway grading and bridge project FHEC-13-P, National Forest Road Project, located in the Snoqualmie National Forest, Yakima County.

Complete bids follow:

Columbia Power & Inv. Co.	$30,807
J. D. Harms, Inc., Seattle	34,986
Schmitt Const. Co., Portland	37,122
Tony Marazzo, Spokane	38,320
Elliott & Co., Inc., Seattle	39,720
Fred G. Redmon, Yakima	39,610
Myers & Goulter, Seattle	41,493
L. Romano Engr. Corp., Seattle	44,960
Geo. F. Price, Dayton	45,190
Colonial Const. Co., Spokane	44,993

AWARD

YAVAPAI CO., Ariz.—Skousen Bros. Albuquerque, New Mexico, at $117,-728.45 awarded contract by the Bureau of Public Roads, Phoenix, for grading Section 1 of Route 7, the Oak Creek National Forest Highway, Coconino National Forest, Yavapai Co., Arizona, a length of 4.582 miles.

NOTICE TO BIDDERS.

STATE OF CALIFORNIA. — C. H. Purcell, State Highway Engineer, has announced the cost of blue line prints for the State Highway work now advertised.

A blue line print of the title sheet of the plans showing the general location of work will be furnished free with the special provisions. Blue prints of the layout and bridge detail sheets will be furnished at cost and become the property of the purchaser.

The following table shows the cost of such blue prints for the work now advertised, bids to be opened in Sacramento on January 9 and in Los Angeles on January 10:

II-Sha-20-Rdg overhead crossing over the tracks of the S. P. Co. at Redding, opening in Sacramento: PLANS (No. of Sheets) 8; (Cost) $.80; CROSS-SECTIONS, None; (Total) $.80.

VII-Ora-174-A Manchester Avenue between Artesia Ave., Buena Park, and Lincoln Ave., Anaheim, opening in Los Angeles: PLANS, (No. Sheets) 38; (Cost) $3.80; CROSS-SECTIONS, (No. of Sheets) 70; (Cost) $7.; (Total) $10.80.

VIII-SBd-26-Ont between San Antonio Ave. and east city limits, Ontario, opening in Los Angeles. PLANS (No. of Sheets) 6; (Cost) $.60; CROSS SECTIONS, None; (Total) $.60.

Checks for the above should be made payable to the Department of Public Works, Division of Highways, and should accompany the requests for plans and specifications to the office of the State Highway Engineer, P. O. Box 1499, Sacramento.

BIDS WANTED.

RIVERSIDE COUNTY, Calif.—Until January 17, 2 P. M., bids will be received by State Highway Commission State Bldg., Los Angeles, for grading and surfacing with bituminous treated gravel or stone about four miles in Riverside County between 4 miles west of Shavers Summit and Shavers Summit, involving:

(1) 88,500 cu. yds. rdwy. excavation, without classification;
(2) 175,000 sta. yds. overhaul;
(3) 193,000 c.y. ditch excavation;
(4) 2,450 c.y. structural excavation;
(5) 214 l.f. 24-in. CMP;
(6) 334 l.f. 30-in. CMP;
(7) 11,300 tons gravel or stone;
(8) 500 tons cut back asphalt;
(9) 295 tons fuel oil;
(10) 48,100 sq. yds. preparing, mixing and shaping road bed;
(11) 198 stations, finishing rdwy.;
(12) 100 each monuments;
(13) 80 M. ft. b.m. creosoted Douglas fir timber, 10 lb. treatment;
(14) 206 M. b.m. do, 8-lb. treatment;
(15) 25 M. ft. board measure redwood timber dense select all - heart structural grade;
(16) 9,108 lin. ft. furnishing creosoted Douglas fir piles;
(17) 414 each driving piles;
(18) 22,800 lbs. structural metal;
(19) 730 l.f. bank protection fence.

Specifications available from C. H. Purcell, chief engineer, Public Works Bldg., Sacramento, and on file at the district offices in San Francisco and Los Angeles.

BIDS OPENED

FORT PECK, Montana — Pacific Electric Mfg. Corp., 5815 Third St., San Francisco, at $5104.33 submitted low bid to the U. S. Engineer Office, Kansas City, Mo., December 12, for furnishing 6 portable terminal structures for the Fort Peck Dredges.

Complete bids follow:

Pacific Electric Corp., San Francisco,	$5104.33.
A. S. Schulman Electric Co., Chicago,	$5191.
Bennett & Taylor, Los Angeles,	$5,-592.25.
Railway & Industrial Engineering Co., Greensburg, Pa.,	$5798.73.
S. W. Marshall Jr., Dallas, Texas,	$5937.
Electric Power Equipment Corp., Philadelphia (irregular),	$5850.

BIDS OPENED.

JACKSON COUNTY, Ore. — Mountain States Const. Co., Eugene, at $9,346 submitted low bid to the Oregon State Highway Commission, Portland, Dec. 20 for 1,188 l.f. of pavement widening and resurfacing on the South Ashland Section of the Pacific Highway, U.S.P.W. Project NRM 190-D in Jackson County.

Complete bids follow:

Mountain States Const. Co., Eugene	$ 9,346.00
United Contr. Co., Portland	10,135.00
Jacobsen - Jensen Co., Portland	10,146.00

All bids held under advisement.

BIDS WANTED

BENTON COUNTY, Oregon — The Jacobsen-Jensen Co., 517 N. Stanton, Portland, at $11,902.50 submitted low bid to the Oregon State Highway Commission, Portland, December 20, for 0.54 mile paving and resurfacing on Third Street-Fifteenth Street Unit of Corvallis Section of Corvallis-Newport Highway, U.S.P.W. Project NRM 222-B, in Benton County. Complete bids follows:

Jacobsen-Jensen Co., Portland,	$11,-902.50.
United Contracting Co., Portland,	$13,463.
Mountain States Constr. Co., Eugene,	$13,696.
Steve Keller, Corvallis,	$13,973.50.
Northwest Roads Co., Portland,	$14,-300.
F. C. Dillard, Medford,	$18,948.50.

All bids held under advisement.

BIDS OPENED.

JOSEPHINE COUNTY, Ore. — Jacobsen-Jensen Co., 517 NE Stanton, Portland, at $18,437.50 submitted low bid to the Oregon State Highway Commission, Portland, December 20, for 0.94 mile of pavement resurfacing on the Evelyn Avenue - "L" Street Unit of Grants Pass Section of Pacific Highway, U.S.P.W. Project NRM 131-F in Josephine County.

Complete bids follow:

Jacobsen - Jensen Co., Portland	$18,437.50
United Contr. Co., Portland	19,116.00
Northwest Roads Co., Portland	20,060.00
Mountain States Const. Co., Eugene	21,682.50
J. C. Compton, McMinnville	22,125.00
Harold Blake, Portland	23,010.00

All bids held under advisement.

BIDS OPENED.

JACKSON COUNTY, Ore. — Jacobsen-Jensen Co., 517 NE Stanton, Portland, at $18,312.50 submitted low bid to the Oregon State Highway Commission, Portland, December 20, for 1.4 miles of pavement resurfacing on the North Medford Section of Pacific Highway, U.S.P.W. Projects NRM 157-A and NRM 157-C, in Jackson Co.

Complete bids follow:

Jacobsen-Jensen, Portland	$18,312.50
United Contr. Co., Portland	18,986.40
Northwest Roads Co., Portland	20,217.00
Mountain States Const. Co., Eugene	21,535.50
Harold Blake, Portland	22,419.00

All bids held under advisement.

CONTRACT AWARDED

COLUMBIA and Washington Cos., Ore.—Edlefsen - Weygandt Co., 1303 SW Front, Portland, at $38,153.50 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, December 20, for the construction of 9.2 miles of crushed rock or gravel resurfacing and furnishing 1,000 c.y. of crushed rock or gravel in stockpiles on the Trehorn-Buxton Section of Nehalem Secondary Highway, U.S.P.W. Project Nos. NRS 213-F and NRS 213-G, in Columbia and Washington Counties.

Complete bids follow:

Edlefsen-Weygandt Co., Portland	$38,153.50
Harold Balek, Portland	41,415.00
Saxton & Looney, Corvallis	41,640.00
A. T. Dolan, Tillamook	41,955.00
United Contr. Co., Portland	42,507.00
E. H. Itschner & E. L. Rigdon, Barlow	42,564.00
Johnston, Hanson, Johnston, Birkenfeld	43,794.00
Joplin & Eldon, Portland	46,023.00
H. G. Johnson, Portland	48,432.50

UNIT BID SUMMARY

Compiled from the Daily News Service of Pacific Constructor

MONTEREY COUNTY — BRIDGE — (STATE)

MONTEREY COUNTY, Cal.—R. R. Bishop, 5017 East Broadway, Long Beach, at $64,014.50, submitted low bid to the State Highway Commission, Sacramento, for the construction of a steel bridge with concrete deck across Burns Creek about 46 miles south of Monterey, consisting of one 142-ft. deck truss span, two 60-ft. plate girder spans, two 50-ft. plate girder spans, and two 30-foot tower spans.

Bids were taken as follows:
(1) 1,000 c.y. strippings;
(2) 1,500 c.y. structure excavation;
(3) 835 c.y. Class A Portland cement concrete;
(4) 77,000 lbs. bar reinforcing steel;
(5) 585,000 lbs. structural steel;
(6) 2,100 pounds cast steel;
(7) 900 l.f. timber railing;
(8) 1 lot misc. items of work.

Total bids follow:
(A) R. R. Bishop, Long Beach, $64,014.50.
(B) Bodenhammer Const. Co., Oakland, $67,065.00.
(C) M. B. McGowan, Inc., San Francisco, $68,074.00.
(D) Harry J. Oser, San Francisco, $68537.50.
(E) C. W. Calletti & Co., San Rafael, $69,449.00.
(F) B. A. Hawkins & Co., San Francisco, $69,756.00.
(G) Nevis & Harp, Santa Clara, $72,322.50.
(H) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $74,532.50.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
(1)	$ 1.25	$ 1.00	$ .75	$ 1.75	$ 1.50	$ 1.00	$ 1.00	$ .60
(2)	1.25	2.25	2.00	1.75	1.50	2.25	3.00	2.00
(3)	22.50	21.00	20.00	26.50	23.50	24.50	22.00	28.00
(4)	.045	.05	.05	.045	.046	.05	.04	.06
(5)	.063	.067	.07	.063	.0675	.0675	.0725	.07
(6)	.17	.10	.15	.15	.15	.16	.20	.25
(7)	1.25	1.00	1.00	1.00	1.20	1.00	.60	1.00
(8)	300.00	1000.00	1609.00	500.00	1652.00	350.00	2000.00	700.00

SAN FRANCISCO — Water Main Extensions — (City)

SAN FRANCISCO. — W. J. Tobin, 3701 Balfour Ave., Oakland, at $44,361.80 submitted low bid to the Public Utilities Commission, City Hall, under W. D. Spec. No. 55, for laying 12- and 16-in cast iron feeder mains in the northwest and southwest sections of San Francisco.

The work includes the laying of 14,920 l.f. of 12-incast iron pipe, 15,200 l.f. of 16-in. cast iron pipe, and all fittings, gate valves, etc., in various locations as follows:

(A) 2230 lin. ft. 16-in. C.I.P. on Post Street from Scott St. to Presidio Ave.;
(B) 300 lin. ft. 16-in. C.I.P. on Presidio Ave., from Post St. to Geary Blvd.;
(C) 3780 lin. ft. 16-in. C.I.P. on Geary Blvd. from Presidio Ave. to Arguello Blvd.;
(D) 4900 lin. ft. 16-in. C.I.P. on Geary Blvd. from 23rd Ave. to 39th Ave.;
(E) 2550 lin. ft. 12-in. C.I.P. on 29th Ave. from Anza St. to Lake St.;
(F) 1310 lin. ft. 16-in. C.I.P. on 29th Ave. from Fulton St. to Balboa Street;
(G) 3420 lin. ft. 12-in. C.I.P. on Balboa St. from 31st to 42nd Ave.;
(H) 2630 lin. ft. 16-in. C.I.P. on 39th Ave. from Fulton St. to Geary Blvd.;
(I) 3110 lin. ft. 12-in. C.I.P. on Holloway Ave. from Saxon St. to Monticello St.
(J) 2300 lin. ft. 12-in. C.I.P. on Monticello from Holloway to Worcester Ave.
(K) 460 lin. ft. 12-in. C.I.P. on Worcester Ave. from Monticello to Randolph St.
(L) 2070 lin. ft. 12-in. C.I.P. on Randolph from Worcester to Orizaba Street;
(M) 1010 lin. ft. 12-in. C.I.P. on Orizaba from Randolph to Sagamore Streets;

Bids were taken as follows:
(1) Excavation and backfill:
(a) 14,920 lin. ft. 12-in. cast iron pipe, trench 24-in. wide by 44-in. deep;
(b) 15,200 lin. ft. 16-in. cast iron pipe, trench 30-in. wide by 48-in. deep;
(2) 970 cu. yds. additional excavation and backfill;
(3) 1860 sq. ft. additional pavement removal and replacement;
(4) (a) 14,920 lin. ft. 12-in. bell and spigot cast iron pipe;
(b) 15,200 lin. ft. 16-in. bell and spigot cast iron pipe;
(5) 76,430 lbs. installing fittings, gate valves, etc.;
(6) 8800 lin. ft. bell and spigot joints for pipe and fittings;
(7) 74,600 sq. ft. repavement.

Total bids follow:
(A) W. J. Tobin, Oakland, $44,361.80.
(B) Herman Lawson, San Francisco, $49,859.00.
(C) E. J. Treacy, San Francisco, $54,539.02.
(D) Pacific Pavements Co., San Francisco, $54,722.60.
(E) Lowrie Paving Co., San Francisco $57,838.90.
(F) Frank O'Shea, San Francisco $57978.85.
(G) Fay Improvement Co., $75,481.20.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
(1a)	$0.48	$0.66	$0.69	$0.63	$0.55	$0.80	$0.95
(1b)	.56	.74	.742	.72	.55	.83	1.00
(2)	.80	1.50	1.50	2.50	2.50	2.00	2.00
(3)	.30	.38	.29	.40	.36	.35	.33
(4a)	.10	.12	.22	.17	.15	.17	.34
(4b)	.20	.17	.2475	.23	.20	.19	.42
(5)	.04	.02	.014	.02	.01	.015	.02
(6)	.35	.23	.69	.78	.60	.85	1.10
(7)	.225	.25	.225	.225	.36	.225	.28

All bids held under advisement.

December 27, 1934

BIDS OPENED.

LOS ANGELES, Cal.—Oscar Oberg, 150 N. Vista St., Los Angeles, at $18,812 submitted low bid to the Los Angeles County Board of Supervisors, December 24, for the construction of pile and wire revetments on the Los Angeles River from Victory Boulevard downstream.

The work involves:
(1) 16,600 l.f. of revetment;
(2) 1,200 l.f. of revetment;
(3) 750 l.f. of groin.

Bidders follow:
(A) Oscar Oberg, Los Angeles.
(B) Sharp & Fellows, Los Angeles.
(C) George J. Bock, Los Angeles.
(D) Case Const. Co., Alhambra.
(E) Dimmitt & Taylor, Los Angeles.
(F) R. R. Bishop, Long Beach.
(G) George Hess, Los Angeles.

Unit prices and total bids follow:

	(1)	(2)	(3)	Total
(A)	$0.92	$1.70	$2.00	$18,812
(B)	1.04	1.95	2.60	21,554
(C)	1.22	2.30	2.60	24,962
(D)	1.35	2.20	3.90	27,975
(E)	1.20	2.30	3.55	25,342
(F)	1.50	2.40	2.75	29,842
(G)	2.04	3.40	3.60	40,644

Bids held under advisement.

BIDS OPENED

LOS ANGELES, Cal. — Shannahan Bros., 6181 Eastern Ave., Los Angeles, at $87,915 submitted low bid to the Los Angeles County Board of Supervisors, December 24, for the construction of Unit No. 8, San Gabriel River Outlet. The work involves:
(1) 203,000 cu. yds. excavation;
(2) 34,000 tons furnish and place riprap;
(3) 4200 lin. ft. constructing railroad tracks on tops of levees;
(4) 27.5 MFBM lumber for constructing two timber bulkheads.

Bidders follow:
(A) Shannahan Bros., Los Angeles.
(B) Karl Kumpe, Riverside.
(C) James Taylor and R. A. Wattson, Los Angeles.
(D) Merritt-Chapman & Scott, San Diego.
(E) George Hess, Los Angeles.

Unit bids follow:

	(1)	(2)	(3)	(4)	TOTAL
(A)	$0.22	$1.15	$0.49	$ 90.00	$ 87,915
(B)	.222	1.24	.28	60.00	90,952
(C)	.22	1.25	.50	40.00	90,360
(D)	.23	1.285	.30	62.00	93,846
(E)	.29	1.485	.55	150.00	115,794

December 27, 1934

BIDS OPENED

SAN FRANCISCO—Lowrie Paving Co., Inc., 1540 16th St., San Francisco, at $25,895, submitted low bid to the Public Utilities Commission, City Hall, under W. D. Spec. No. 68, for the laying of 6-in. and 8-in. cast iron mains in the west section of the Sunset District, involving:
(1) 28,015 lin. ft. excavation and backfill for 6-in. and 8-in. pipe, trench 17-in. wide and 36-in. deep;
(2) 440 cu. yds. additional excavation and backfill;
(3) 1090 sq. ft. additional pavement removal and replacement;
(4) Installing of pipe:
(a) 23,255 lin. ft. 6-in. bell and spigot cast iron pipe;
(b) 4760 lin. ft. 8-inch bell and spigot cast iron pipe;
(5) 13,770 lbs. installing fittings, gate valves, etc.;
(6) 3400 lin. ft. making joints, bell and spigot;
(7) 43,660 sq. ft. repavement.

Total bids follow:
(A) Lowrie Paving Co., San Francisco, $25,895.
(B) A. Soda & Son, Oakland, $28,-568.25.
(C) Pacific Pavements Co., San Francisco, $29,277.50.
(D) Fay Improvement Co., San Francisco, $35,295.83.

Unit bids follow:

	(A)	(B)	(C)	(D)
(1)	$0.30	$0.40	$0.46	$0.61
(2)	1.00	.75	2.50	1.00
(3)	.30	.50	.335	.30
(4a)	.05	.09	.09	.113
	(A)	(B)	(C)	(D)
(4a)	$0.60	$0.09	$0.11	$0.12
(5)	.01	.01	.02	.018
(6)	.60	.60	.65	.52
(7)	.30	.27	.225	.28

CONTRACT AWARDED

SANTA CLARA COUNTY, Calif.—F. O. Bohnett, Campbell, and D. McDonald, 204 23rd St., Sacramento, at $372,020 awarded contract by Santa Clara Valley Water Conservation District, San Jose, for the construction of Almaden Dam, Almaden Spillway, Almaden-Calero Conduit, Calero Dam, Calero Auxiliary Dam and Calero Spillway, with appurtenant works.

Complete bids published Dec. 17.

PLANS COMPLETED

SANTA CLARA COUNTY, Cal.—The Directors of the Santa Clara Valley Water Conservation District have approved plans for Coyote Dam, which will be an earth-fill structure with rock facing, located on Coyote Creek in the vicinity of other prelocation reservoirs now being constructed in northern Santa Clara County. The dam will be 500 feet in length at the crest and 110 feet in height. It will store 30,000 acre-feet of water. Estimated cost, $500,000. Bids probably will be asked in about sixty days.

Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, Chief Engineer. 30

CONTRACT AWARDED

LAKE COUNTY, Oregon.—Dunn & Baker, Klamath Falls, at $86,099.50 submitted low bid and awarded contract by the Oregon State Highway Commission, Portland, Dec. 20, for 1.8 miles grading, 0.8 mile crushed rock surfacing, 8.5 miles bituminous macadam wearing surface, and furnishing 22,200 c.y. crushed rock in stockpiles on the White Rock-Lakeview Section of Fremont Highway and Fremont Junction Section of the Warner Secondary Highway, U. S. P. W. Projects NRH 32-A, NRM 32-B, and NRS 241, in Lake County.

Complete bids follow:

Dunn and Baker, Klamath Falls	$86,099.50
Joplin & Eldon, Portland	87,916.80
Northwest Roads Co., Portland	89,826.30
Babler Bros., Portland	91,048.00
A. Milne, Portland	93,594.00
J. C. Compton & E. L. Hall, McMinnville	95,321.00

NOTICE TO BIDDERS.

ORANGE COUNTY, Cal.—A representative of the District Office will accompany prospective bidders over the proposed project in Orange County, between Buena Park and Anaheim, Road VII-Ora-174-A, for which bids are to be received in Los Angeles on January 10, 1935.

Said representative will meet prospective bidders at intersection of Firestone and Huntington Beach Blvd. in Buena Park on Thursday, January 3, 1935, at 10 A. M.

Prospective bidders are urged to cooperate with the District Office and arrange to make their field inspection on the above dates.

SAN FRANCISCO — Excelsior District Mains — (City)

SAN FRANCISCO.—Lowrie Paving Co., Inc., 1540 16th Street, at $25,-157.80 submitted low bid to the Public Utilities Commission, City Hall, under W. D. Spec. No. 69, for laying 6-inch cast iron mains in the Excelsior District.

Bids were taken as follows:
(1) 28,890 lin. ft. excav. and backfill for 6-in. pipe, trench 17-in. wide by 36-in. deep;
(2) 460 cu. yds. additional excavation and backfill;
(3) 1120 sq. ft. additional pavement removal and replacement;
(4) Installing 28,890 lin. ft. 6-in. bell and spigot cast iron pipe;
(5) 5930 lbs. installing of fittings, gate valves, etc;
(6) 3170 lin. ft. making joints, bell and spigot;
(7) 40,930 sq. ft. repavement.

Total bids follow:
(A) Lowrie Paving Co., San Francisco $25,157.80.
(B) A. Soda & Son, Oakland, $28,-063.50.
(C) Fredrickson & Watson Const. Co. and Fredrickson Bros., Oakland, $29,896.95.
(D) E. J. Treacy, San Francisco, $30-128.35.
(E) Pacific Pavements Co., Ltd., San Francisco, $24,141.25.
(F) Fay Improvement Co., San Francisco, $40,719.01.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$0.30	$0.40	$0.39	$0.51	$0.62	$0.81
(2)	1.00	.75	1.50	1.00	2.50	1.00
(3)	.30	.50	.48	.30	.335	.30
(4)	.05	.09	.075	.10	.10	.113
(5)	.01	.01	.01	.01	.02	.018
(6)	.60	.60	.40	.77	.77	.52
(7)	.30	.27	.34	.225	.225	.28

All bids held under advisement.

TUOLUMNE CO. — Lower Cherry Aqueduct — (City)

SAN FRANCISCO.—Kemper Const. Co., Ltd., 3701 S. Overland Ave., Los Angeles, at $77,860 submitted low bid to the Public Utilities Commission, City Hall, under Hetch Hetchy Water Supply Contract No. 151, for the construction of Tunnel No. 1-B of the Lower Cherry Aqueduct. A tunnel 2910 feet in length is to be constructed to replace an existing wood flume of the Lower Cherry Aqueduct, in Tuolumne County.

Bids were taken as follows:
(1) 6900 cu. yds. tunnel excav.;
(2) 5 MFBM permanent timbering in tunnel;
(3) 200 cu. yds. concrete lining in tunnel;
(4) 20 cu. yds. excavation in open cut and above ground surface;
(5) 10 cu. yds. concrete in open cut and above ground surface;
(6) 20 bbls. extra cement in concrete
(7) 5000 lbs. reinforcing steel;
(8) 5000 lbs. placing metal work furnished by the City.

Total bids follow:
(A) Kemper Const. Co., Ltd., Los Angeles, $77,860.00.
(B) Morrison - Kundsen Co., Los Angeles, $88,370.00.
(C) George Hess, Los Angeles, $88,-655.00.
(D) T. E. Connolly, San Francisco, $92,200.00.
(E) Hetch Hetchy Water Supply Proj. (by L. T. McAfee, General Manager) $92,371.00.
(F) Bodenhamer Const. Co., Oakland, $94,645.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$ 10.50	$ 12.00	$ 11.75	$ 12.90	$ 12.30	$ 12.75
(2)	100.00	50.00	100.00	28.00	75.00	100.00
(3)	20.00	20.00	30.00	12.00	30.00	25.00
(4)	3.00	3.00	5.00	1.00	2.50	2.00
(5)	25.00	20.00	30.00	12.00	30.00	25.00
(6)	5.00	3.00	4.00	3.00	3.80	4.00
(7)	.04	.10	.06	.05	.08	.06
(8)	.06	.10	.06	.04	.06	.10

All bids held under advisement.

SAN FRANCISCO — Bay Bridge Approaches — (State)

SAN FRANCISCO. — Clinton Const. Co. of California, 923 Folsom Street, at $665,327 on Contract No. 15 (San Francisco Section), and Healy-Tibbitts Const. Co., 64 Pine Street, at $477,447 on Contract No. 15-A (San Francisco Approach) submitted low bids to the Department of Public Works, San Francisco - Oakland Bay Bridge, 500 Sansome Street, for the construction of the reinforced concrete viaducts, the grading and paving of the streets and all incidental work necessary to complete in all respects, except wiring and fixtures for the lighting of the bridge, the San Francisco Section and Approaches.

Bids were taken as follows:

CONTRACT NO. 15—

SAN FRANCISCO SECTION

(1) Remove buildings and clear site;
(2) 16,000 cu. yds. excav. unclass.;
(3) 10,000 cu. yds. excav., strucs.;
(4) 3700 cu. yds. concrete viaduct and wall footings;
(5) 21,200 cu. yds. concrete—viaducts and walls above footings;
(6) 800 cu. yds. concrete railings;
(7) 4,100,000 lbs. reinforcing steel;
(8) 6600 lbs. bronze castings;
(9) 45,000 lbs. cast iron drain pipe and fittings;
(10) 20,000 lbs. castings;
(11) 6000 lin. ft. 16-in. concrete piles;
(12) 8500 lin. ft. 18-in. do;
(13) 800 lin. ft. 6-in. vitrified clay pipe;
(14) 1000 lin. ft. 8-in. vitrified clay pipe;
(15) 150 lin. ft. 10-in. vitrified clay
(16) Electrical conduits and fittings;
(17) 4000 bbls. extra Portland cement

CONTRACT NO. 15-A

SAN FRANCISCO APPROACH

(20) Remove buildings and clear site;
(21) 300,000 cu. yds. excav., unclass.; pipe;
(22) 4000 cu. yds. excav., strucs.;
(23) 1200 cu. yds. concrete—viaduct and wall footings;
(24) 8900 cu. yds. concrete—viaduct and wall above footings;
(25) 800 cu. yds. concrete—railings;
(26) 3000 cu. yds. concrete—pavement
(27) 400 cu. yds. concrete—curbs and gutters;

(28) 400 cu. yds. concrete—sidewalks;
(29) 2,000,000 lbs. reinforcing steel;
(30) 5000 lbs. bronze castings;
(31) 15,000 lbs. cast iron drain pipe and fittings;
(32) 14,000 lbs. castings;
(33) 4000 lin. ft. 16-in. concrete piles;
(34) 4000 lin. ft. 18-in. do;
(35) 100 lin. ft. 6-in. vitrified clay pipe;
(36) 1000 lin. ft. 8-in. vitrified clay pipe;
(37) 1200 lin. ft. 10-in. vitrified clay pipe;
(38) 2800 tons crusher run base;
(39) 2200 tons asphalt concrete;
(40) Electrical conduits and fittings;
(41) Remove and replace 12-in. x 18-in. brick sewer on Essex St., bet. Harrison and Folsom Sts.
(42) Remove and rebuild 12-in. and 10-in. V.C. sewers on Harrison St., bet. First and Second Sts.;
(43) Remove and replace 12-in. cast iron water main on Harrison St. bet. Second and Essex Sts.
(44) 2200 bbls. extra Portland cement.

Complete bids on both contracts follow:

CONTRACT NO. 15

Total bids follow:

(A) Clinton Construction Co. of California, San Francisco, $665,327.00.
(B) Healy-Tibbitts Construction Co., San Francisco, $695,175.00.
(C) Transbay Construction Co., San Francisco, $756,661.00.
(D) Barrett & Hilp, San Francisco, $809,164.00.
(E) Bates & Rogers Construction Co., Oakland, $809,652.50.
(F) C. W. Caletti, M. B. McGowan, and Peninsula Paving Co., San Francisco, $827,720.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(1)	$17,000.00	$ 7,500.00	$23,000.00	$32,000.00	$35,170.00	$100,000.00
(2)	.60	.50	.55	.72	.65	.69
(3)	2.40	2.50	1.75	1.50	2.95	1.25
(4)	8.50	11.00	9.00	8.50	8.75	15.00
(5)	15.80	16.50	20.00	20.50	20.95	19.00
(6)	21.00	30.00	30.00	50.00	39.65	40.00
(7)	.042	.04	.04	.042	.038	.04
(8)	.37	.28	.40	.34	.50	.30
(9)	.06	.05	.06	.12	.07	.05
(10)	.07	.07	.11	.13	.10	.05
(11)	1.75	3.50	1.75	2.50	2.45	1.25
(12)	2.40	4.25	2.40	3.05	2.95	1.50
(13)	1.00	1.50	2.30	2.00	2.40	2.00
(14)	4.00	1.75	4.60	2.50	4.75	2.00
(15)	4.50	2.00	3.50	3.50	5.35	2.00
(16)	8,400.00	5,302.00	7,456.06	7,000.00	6,450.00	12,500.00
(17)	2.00	1.25	2.30	2.40	2.10	2.00

CONTRACT NO. 15-A

Total bids follow:

(A) Healy-Tibbitts Construction Co., San Francisco, $477,447.00.
(B) Clinton Construction Co. of California, San Francisco, $555,940.00.
(C) Transbay Construction Co., San Francisco, $562,470.00.
(D) C. W. Caletti, M. B. McGowan, and Peninsula Paving Co., San Francisco, $590,606.00.
(E) Bates & Rogers Construction Co., Oakland, $649,975.00.
(F) Barrett & Hilp, San Francisco, $688,880.00.

Unit bids follow:

	(A)	(B)	(C)	(D)	(E)	(F)
(20)	$ 2,500.00	$17,000.00	$14,000.00	$50,000.00	$15,700.00	$28,000.00
(21)	.04	.575	.55	.69	.65	.72
(22)	2.50	2.70	1.75	1.25	3.80	1.50
(23)	11.00	10.00	10.00	15.00	8.75	11.00
(24)	17.50	17.30	20.00	12.50	23.00	22.50
(25)	20.00	22.00	25.00	40.00	42.85	50.00
(26)	7.00	10.00	9.25	10.00	11.00	11.50
(27)	10.00	19.00	12.50	12.50	16.65	17.00
(28)	10.00	15.00	13.00	12.50	16.65	14.50
(29)	.04	.042	.04	.04	.0375	.042
(30)	.28	.33	.40	.30	.50	.34
(31)	.05	.07	.06	.05	.07	.12
(32)	.07	.06	.11	.05	.10	.13
(33)	2.50	2.15	1.75	1.25	2.45	2.50
(34)	4.25	2.75	2.40	1.50	2.95	3.05
(35)	1.50	1.00	2.30	2.00	2.40	2.00
(36)	1.75	4.00	4.60	2.00	4.75	2.50
(37)	2.00	2.00	3.45	2.00	4.75	3.50
(38)	1.00	1.85	2.00	2.00	1.85	2.10
(39)	3.50	4.60	5.50	3.50	4.50	5.50
(40)	4,802.00	5,000.00	6,850.00	12,000.00	4,810.00	7,000.00
(41)	1,890.00	1,700.00	2,300.00	3,356.00	3,150.00	2,400.00
(42)	3,375.00	2,800.00	2,300.00	5,000.00	5,500.00	6,000.00
(43)	1,000.00	1,200.00	2,300.00	2,000.00	3,575.00	1,500.00
(44)	1.25	2.00	2.30	2.00	2.10	2.40

The Bay Bridge Commission have announced that the award on both contracts will be made to one bidder. The combination low bid was that of Healy-Tibbitts Construction Company at $1,172,622.00.

All other bids held under advisement.

Get Your Plaster Wall Board
and Metal Lath from
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BIDS OPENED.

LOS ANGELES, Calif. — Peterson Bros., 239 Olive St., Inglewood, at $10,328.47 submitted low bid to the Division of Highways, Los Angeles, for installing about 5.9 miles of water pipe on Ramona Boulevard and Garvey Avenue between Mission Road in Los Angeles and Atlantic Boulevard in Monterey Park, involving:

(1) 30,500 l.f. 1-in. galv. iron pipe in place;
(2) 13,300 l.f. 1½-in. do;
(3) 1,200 l.f. 2-in. do;
(4) 400 hose connection boxes in place
(5) 80 timber markers in place.

Complete total bids follow:

(A) Peterson Brothers $10,328.47
(B) Hood Const. Co., Ltd..... 10,373.75
(C) John L. Kruly..... 10,984.00
(D) V. C. K. Const. Co..... 11,340.88
(E) S. M. Milovich..... 12,338.00
(F) Mike Radich 12,656.00
(G) Marko Matick 13,018.00
(H) Byerts & Dunn 13,287.00
(I) Howe Brothers 14,500.00
(J) Johnson, Inc. 15,533.00
(K) Kemper Const. Co., Ltd. 15,618.70
(L) George Hess 16,589.85

Unit prices follow:

	(1)	(2)	(3)	(4)	(5)
(A)	$.1793	$.2534	$.322	$2.27	$2.44
(B)	.1775	.24	.30	3.10	3.10
(C)	.19	.25	.30	3.50	1.30
(D)	.2122	.2546	.3023	2.50	1.50
(E)	.2275	.2825	.335	3.00	1.25
(F)	.23	.29	.33	3.10	1.85
(G)	.24	.30	.38	2.70	2.15
(H)	.21	.34	.50	4.00	2.00
(I)	.26	.35	.50	3.10	2.60
(J)	.26	.39	.55	3.80	2.95
(K)	.30	.355	.406	2.75	2.00
(L)	.3075	.375	.453	3.90	1.50

PROJECT APPROVED.

SAN MATEO CO., Cal.—SERA has appropriated $9,788 for labor on construction of Ralston Avenue cut-off, about one mile between County Relief Home Road and Skyline Blvd., involving clearing, grading, placing rock base course and armor coat.

County Engineer James S. James supervising project.

CONTRACT AWARDED

SAN MATEO COUNTY, Cal.—Union Paving Co., 624 Call Bldg., San Francisco, at $201,813 awarded contract by the State Highway Commission, Sacramento, for the construction of about 1.7 miles of grading and paving with asphalt concrete between Huron St. and San Pedro Ave., Daly City.

Complete bids published Dec. 20.

BIDS OPENED.

LOS ANGELES, Cal.—Griffith Co., 502 Los Angeles Railway Bldg., Los Angeles, at $35,454.50 submitted low bid to the State Highway Engineer, State Bldg., Los Angeles, for 1.5 miles of grading and paving in Monterey Park, between Atlantic Blvd. and New Avenue.

Other bids were:

G. R. Curtis Paving Co., Los Angeles $35,493.20
J. L. McClain, L. A..... 36,132.75
C. O. Sparks, Los Angeles..... 37,691.50
Oswald Bros., Los Angeles..... 38,482.00
Los Angeles Paving Co..... 40,813.00
Southern Calif. Roads Co..... 43,765.25
P. J. Akmadzich, L. A..... 44,128.00

Complete bids will be given shortly.

CONTRACT AWARDED

SAN BENITO COUNTY, Cal.—A. J. Raisch, Burrell Bldg., San Jose, at $56,930.50 awarded contract by the State Highway Commission, Sacramento, for about 2.6 miles of grading and surfacing with crusher run base and oil treated crusher run surfacing in San Benito County between Route 2 and San Juan Bautista.

Complete bids published Dec. 20.

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